

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103019\
 Data File : VN059021.D
 Acq On : 30 Oct 2019 11:38
 Operator : JC/SP
 Sample : VN1030WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 3:37:24 PM

Quant Time: Oct 31 05:02:48 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	378106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	605152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	560599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	260160	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	260775	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
35) Dibromofluoromethane	7.57	113	198624	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
50) Toluene-d8	10.08	98	741215	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	12.40	95	272077	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	84539	17.933	ug/l	97
3) Chloromethane	2.04	50	109405	18.738	ug/l	100
4) Vinyl Chloride	2.17	62	111916	19.305	ug/l	98
5) Bromomethane	2.54	94	65623	18.077	ug/l	98
6) Chloroethane	2.69	64	69926	18.809	ug/l	100
7) Trichlorofluoromethane	3.00	101	137871	19.221	ug/l	100
8) Diethyl Ether	3.39	74	54636	22.041	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	82668	20.789	ug/l	98
10) Methyl Iodide	3.93	142	96915	18.530	ug/l	99
11) Tert butyl alcohol	4.75	59	104337	113.378	ug/l	98
12) 1,1-Dichloroethene	3.72	96	77314	20.742	ug/l	94
13) Acrolein	3.58	56	36519	57.755	ug/l	95
14) Allyl chloride	4.30	41	156358	20.730	ug/l	96
15) Acrylonitrile	4.96	53	266806	115.260	ug/l	99
16) Acetone	3.79	43	280494	102.360	ug/l	100
17) Carbon Disulfide	4.03	76	211184	17.588	ug/l	99
18) Methyl Acetate	4.30	43	146894	23.578	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	283689	21.736	ug/l	97
20) Methylene Chloride	4.53	84	95770	20.468	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	82865	20.130	ug/l	96
22) Diisopropyl ether	5.93	45	326465	22.129	ug/l	98
23) Vinyl Acetate	5.87	43	1334856	112.618	ug/l	99
24) 1,1-Dichloroethane	5.82	63	176476	20.630	ug/l	100
25) 2-Butanone	6.81	43	383699	107.867	ug/l	99
26) 2,2-Dichloropropane	6.80	77	153190	20.703	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	98592	20.966	ug/l	99
28) Bromochloromethane	7.17	49	59344	20.830	ug/l	96
29) Tetrahydrofuran	7.19	42	239989	110.287	ug/l	99
30) Chloroform	7.35	83	171197	19.951	ug/l	99
31) Cyclohexane	7.63	56	151650	19.029	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	146733	20.287	ug/l	99
36) 1,1-Dichloropropene	7.77	75	124400	20.079	ug/l	100
37) Ethyl Acetate	6.91	43	150430	22.284	ug/l	99
38) Carbon Tetrachloride	7.76	117	127349	19.953	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	134978	19.403	ug/l	97
40) Benzene	8.02	78	377631	20.757	ug/l	98
41) Methacrylonitrile	7.16	41	66762m	22.205	ug/l	
42) 1,2-Dichloroethane	8.11	62	140054	19.984	ug/l	99
43) Isopropyl Acetate	8.15	43	233902	21.604	ug/l	99
44) Trichloroethene	8.82	130	92477	20.867	ug/l	98
45) 1,2-Dichloropropane	9.10	63	106018	21.251	ug/l	98
46) Dibromomethane	9.19	93	65687	20.828	ug/l	98
47) Bromodichloromethane	9.39	83	137249	21.115	ug/l	100
48) Methyl methacrylate	9.19	41	103408	21.052	ug/l	97
49) 1,4-Dioxane	9.19	88	35323	438.057	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	748044	118.290	ug/l	99
52) Toluene	10.15	92	229081	21.233	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	152230	21.155	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	162641	21.156	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	94459	21.253	ug/l	99
56) Ethyl methacrylate	10.43	69	140501	20.128	ug/l	97
57) 1,3-Dichloropropane	10.70	76	166820	21.386	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	301404	99.104	ug/l	99
59) 2-Hexanone	10.75	43	564671	115.555	ug/l	100
60) Dibromochloromethane	10.90	129	101228	21.161	ug/l	100
61) 1,2-Dibromoethane	11.00	107	95300	20.953	ug/l	99
64) Tetrachloroethene	10.63	164	78931	20.104	ug/l	98
65) Chlorobenzene	11.43	112	240475	21.070	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	94389	21.916	ug/l	98
67) Ethyl Benzene	11.51	91	434993	21.727	ug/l	98
68) m/p-Xylenes	11.62	106	319754	43.066	ug/l	99
69) o-Xylene	11.95	106	152411	21.523	ug/l	99
70) Styrene	11.97	104	249517	20.149	ug/l	98
71) Bromoform	12.13	173	72454	21.695	ug/l #	98
73) Isopropylbenzene	12.25	105	417486	21.958	ug/l	99
74) N-amyl acetate	12.07	43	189177	21.947	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	149478	22.359	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	142289m	23.599	ug/l	
77) Bromobenzene	12.53	156	101571	21.674	ug/l	98
78) n-propylbenzene	12.59	91	484696	21.567	ug/l	100
79) 2-Chlorotoluene	12.68	91	293189	21.315	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	349745	21.894	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50689	21.900	ug/l	98
82) 4-Chlorotoluene	12.78	91	295726	21.038	ug/l	99
83) tert-Butylbenzene	13.00	119	300129	21.971	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	348437	22.114	ug/l	98
85) sec-Butylbenzene	13.18	105	400324	21.981	ug/l	98
86) p-Isopropyltoluene	13.29	119	358141	22.287	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	180199	21.505	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	174756	20.830	ug/l	98
89) n-Butylbenzene	13.62	91	307835	20.853	ug/l	99
90) Hexachloroethane	13.88	117	70930	21.783	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	177745	21.582	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31061	20.542	ug/l	96

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	95747	20.057	ug/l	97
94) Hexachlorobutadiene	15.01	225	56516	21.172	ug/l	98
95) Naphthalene	15.13	128	260857	18.951	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	95932	20.490	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tgt Ion: 168 Resp: 378106

Ion Ratio Lower Upper

168 100

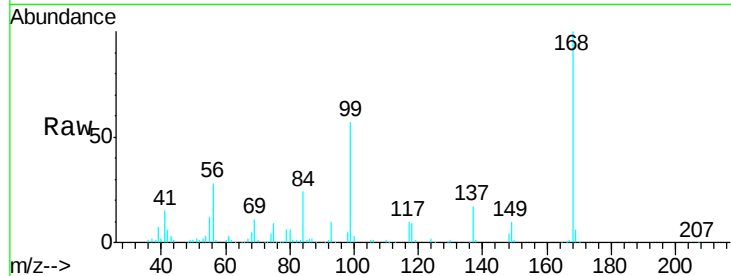
99 57.2 48.1 72.1

Manual Integrations

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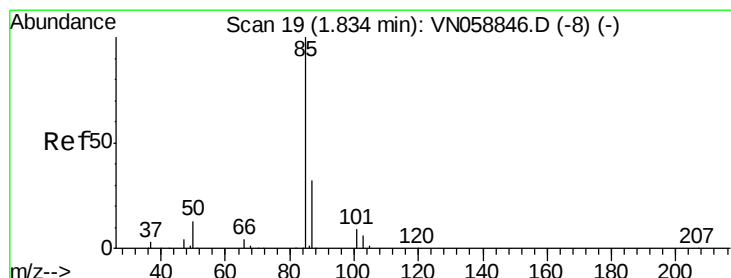
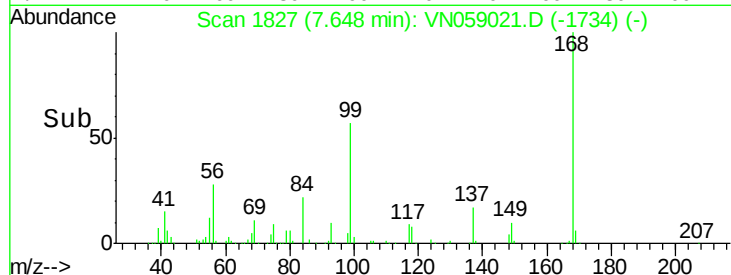
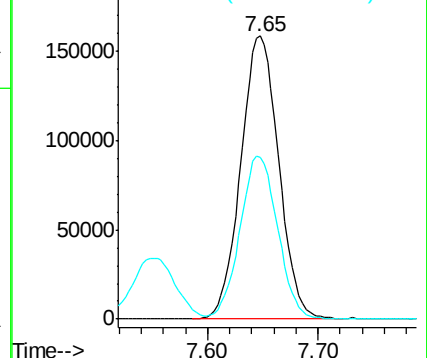
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.933 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059021.D

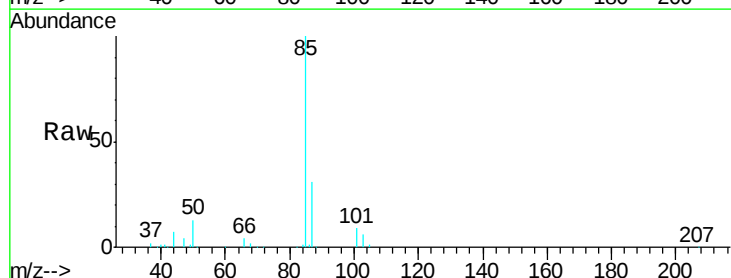
Acq: 30 Oct 2019 11:38

Tgt Ion: 85 Resp: 84539

Ion Ratio Lower Upper

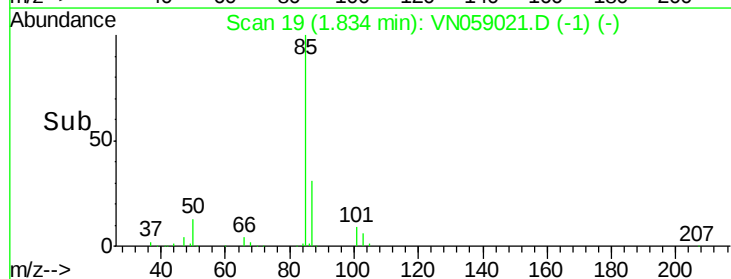
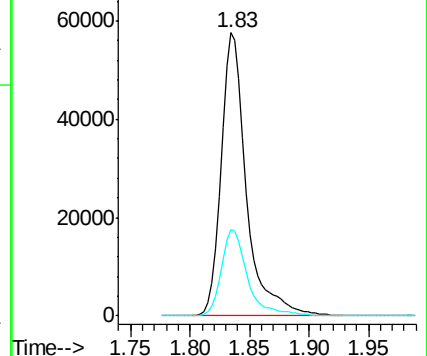
85 100

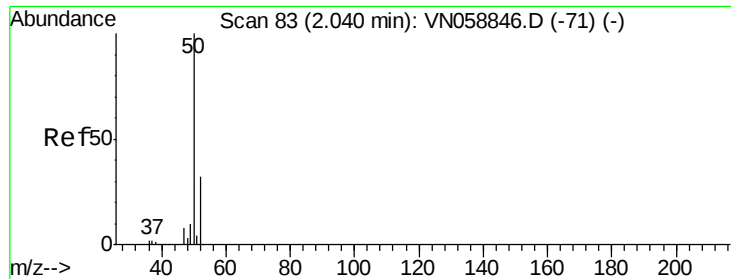
87 30.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.738 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tgt Ion: 50 Resp: 109405

Ion Ratio Lower Upper

50 100

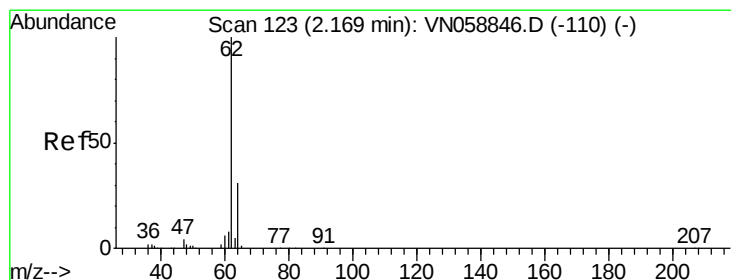
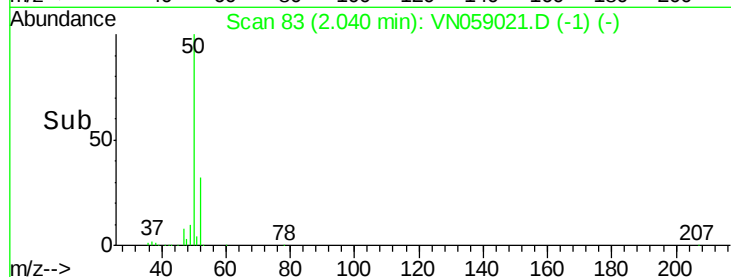
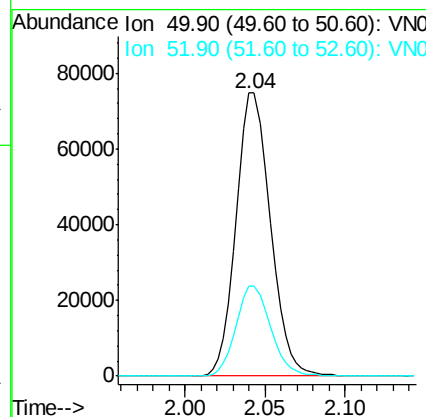
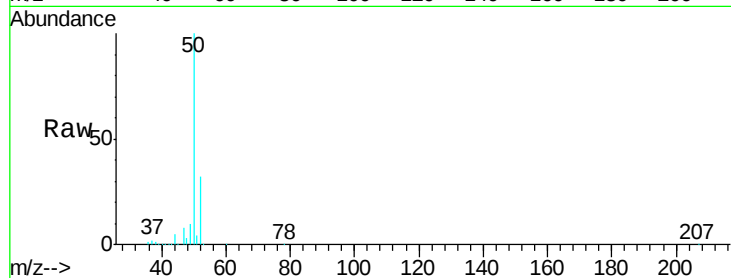
52 31.9 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.305 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059021.D

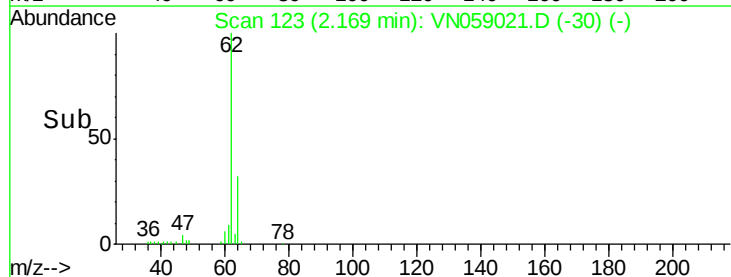
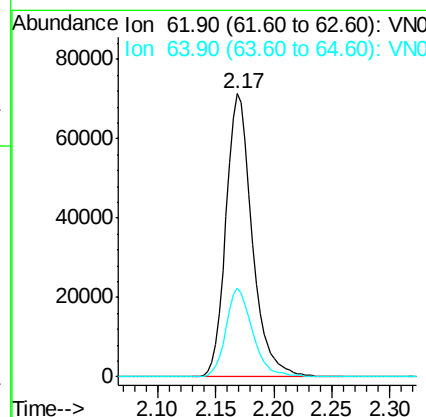
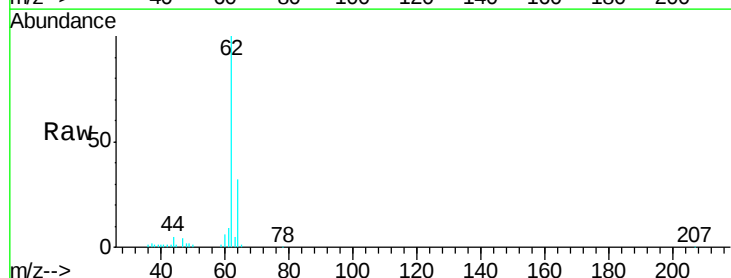
Acq: 30 Oct 2019 11:38

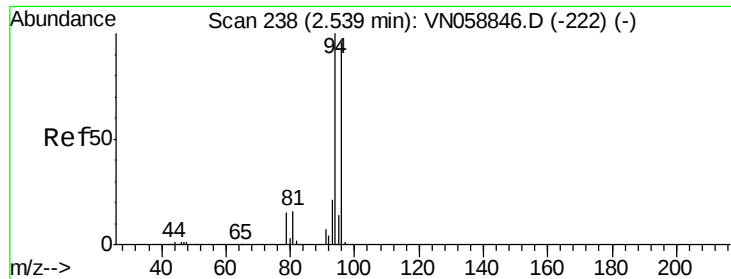
Tgt Ion: 62 Resp: 111916

Ion Ratio Lower Upper

62 100

64 31.6 24.6 36.8





#5

Bromomethane

Concen: 18.077 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tgt Ion: 94 Resp: 65623

Ion Ratio Lower Upper

94 100

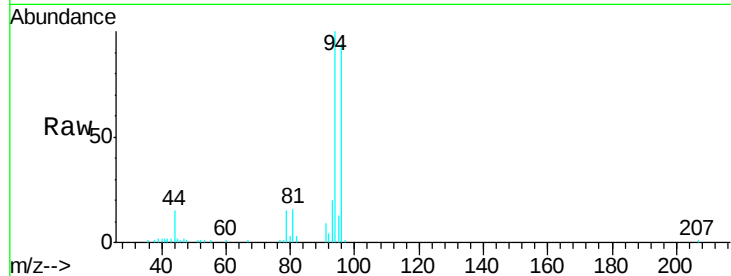
96 94.2 77.0 115.6

Manual Integrations

APPROVED

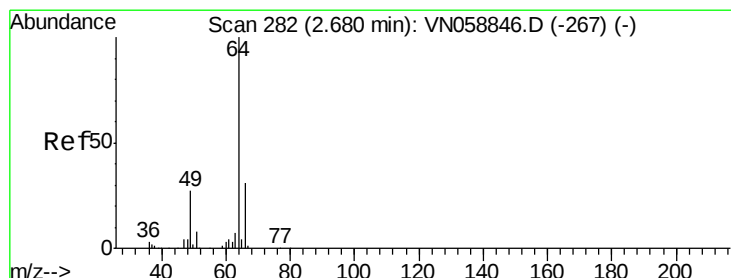
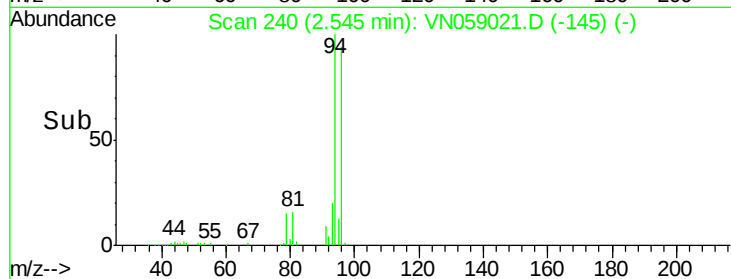
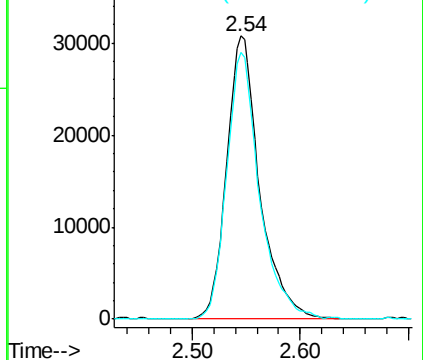
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.809 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059021.D

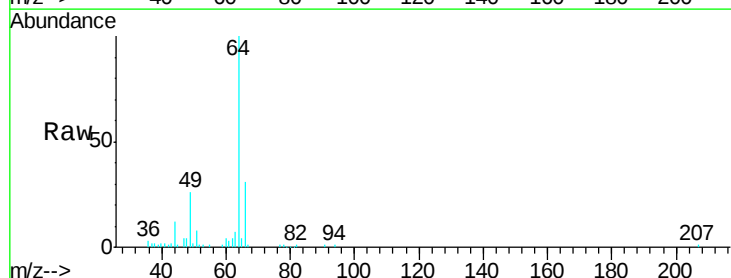
Acq: 30 Oct 2019 11:38

Tgt Ion: 64 Resp: 69926

Ion Ratio Lower Upper

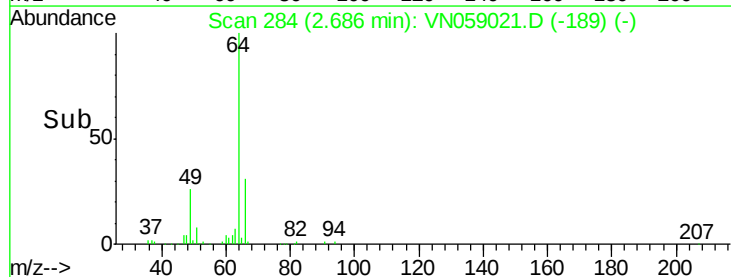
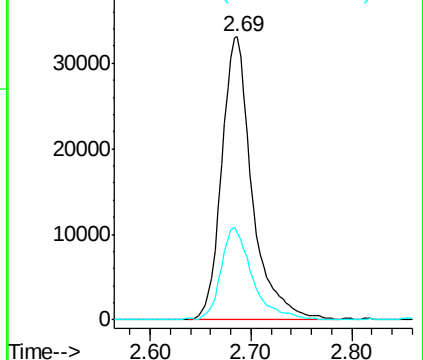
64 100

66 30.9 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

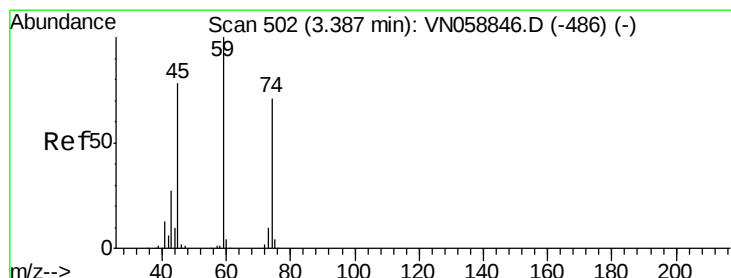
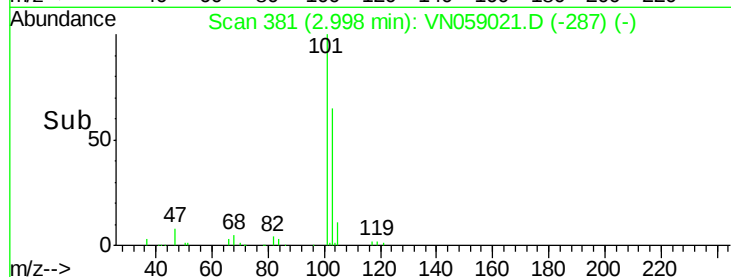
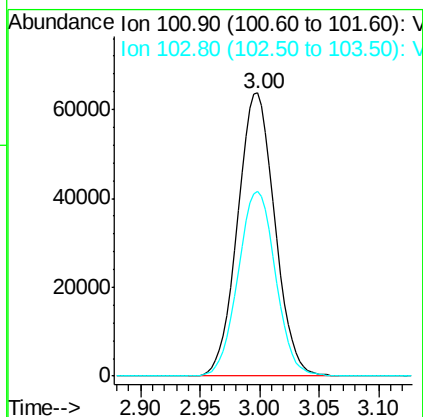
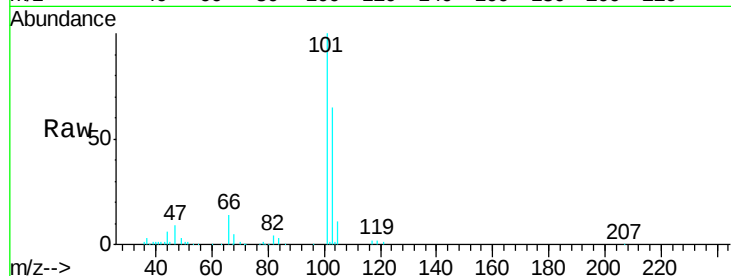
Trichlorofluoromethane
Concen: 19.221 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

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VN1030WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	137871		
103	65.2	52.2	78.2	

Manual Integrations
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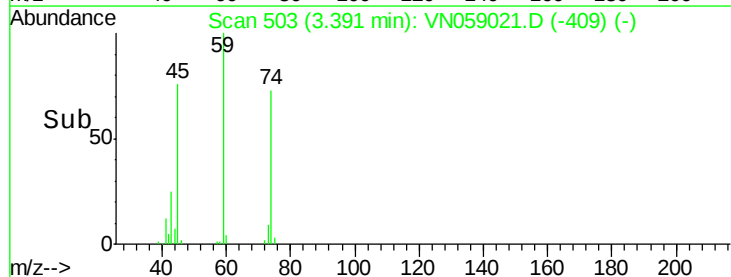
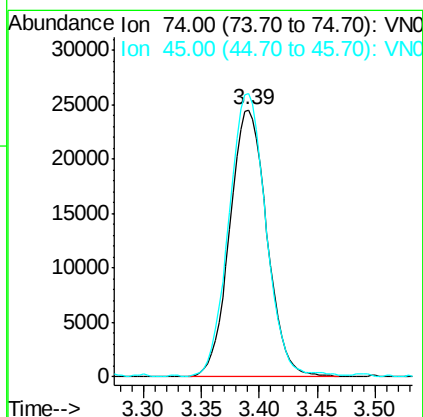
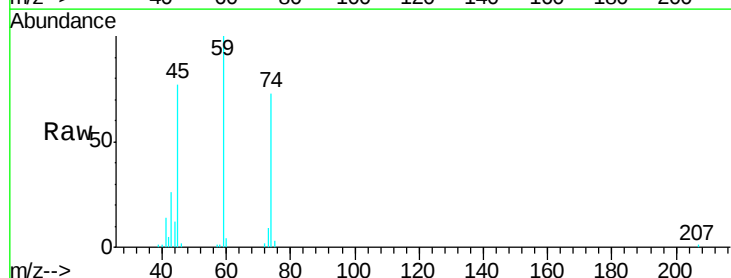
MMDadoda
10/31/2019 3:37:24 PM

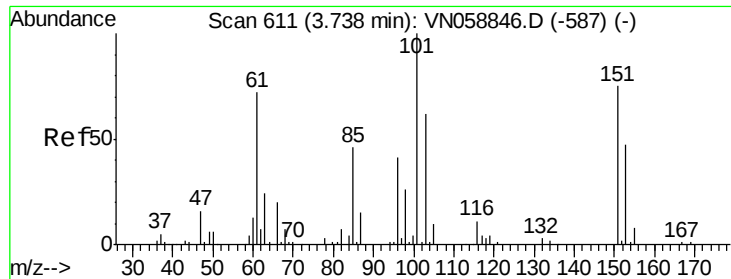


#8

Diethyl Ether
Concen: 22.041 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	54636		
45	105.8	54.9	164.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.789 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

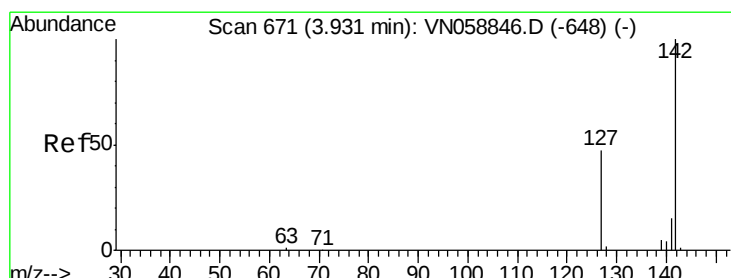
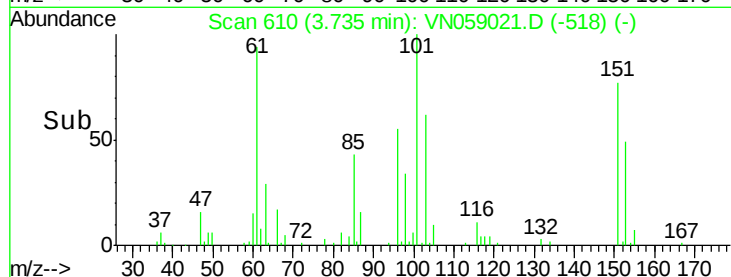
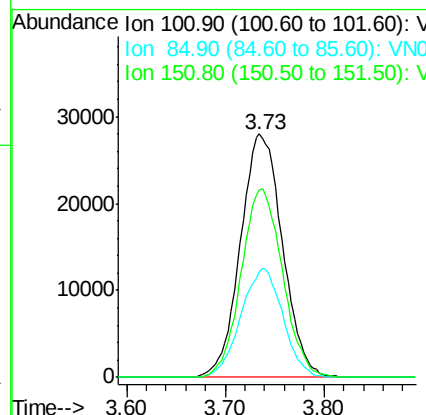
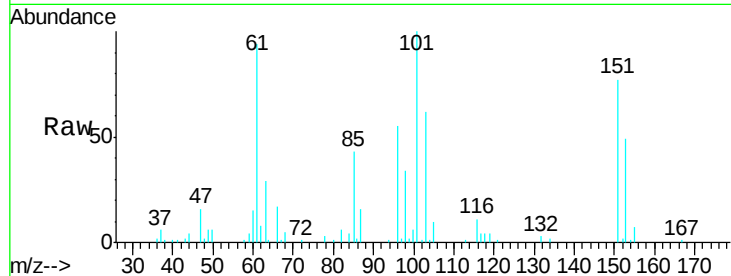
ClientSampled :

VN1030WBSD01

Tgt Ion:	101	Resp:	82668
Ion Ratio	Lower	Upper	
101	100		
85	44.7	37.2	55.8
151	76.2	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 18.530 ug/l

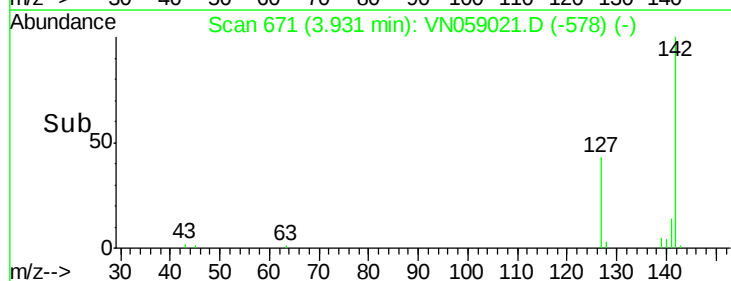
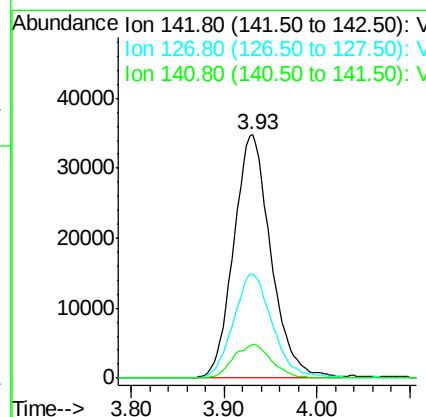
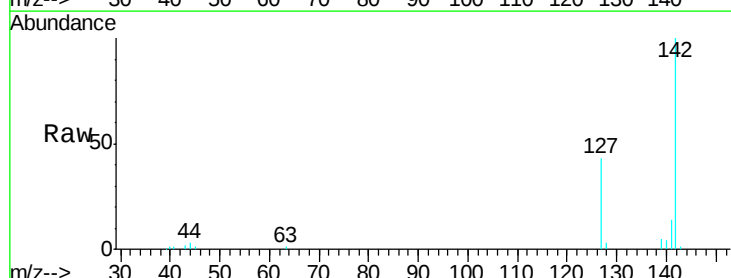
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Tgt Ion:	142	Resp:	96915
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.6	54.8
141	14.0	11.4	17.2





#11

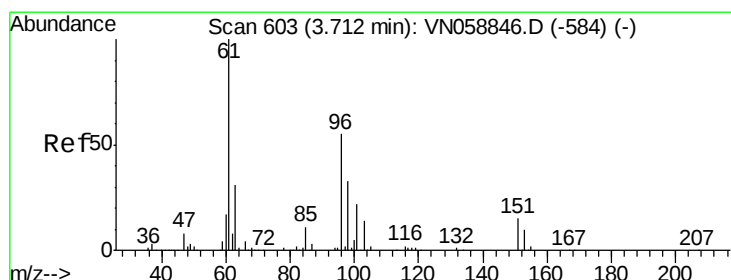
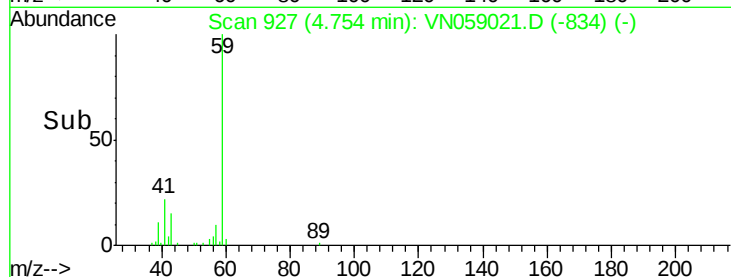
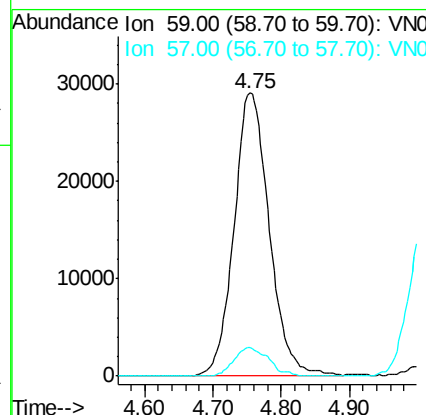
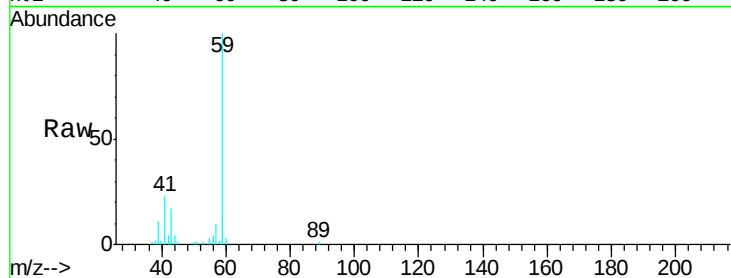
Tert butyl alcohol
Concen: 113.378 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	12.8

Manual Integrations
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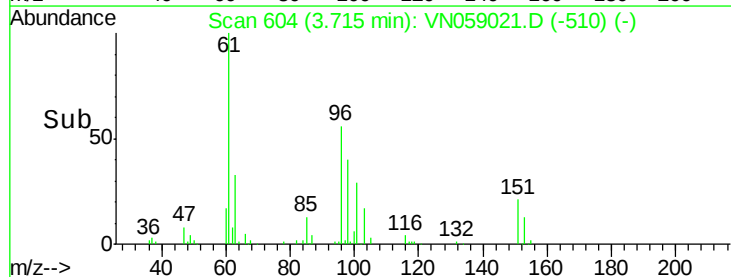
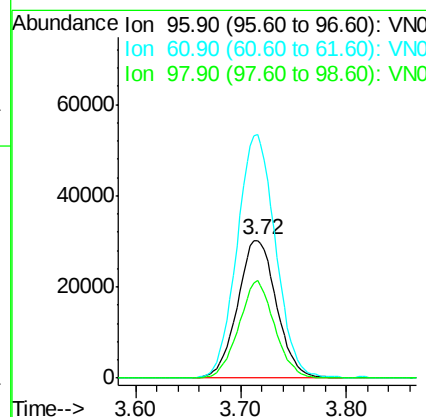
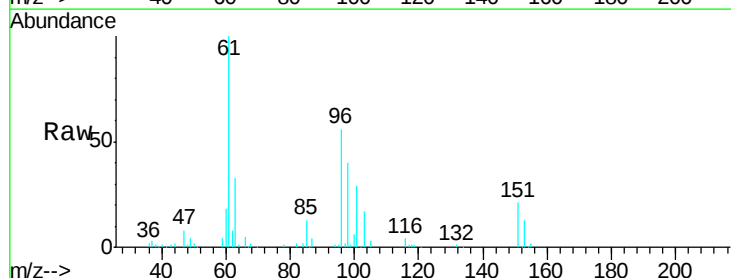
MMDadoda
10/31/2019 3:37:24 PM

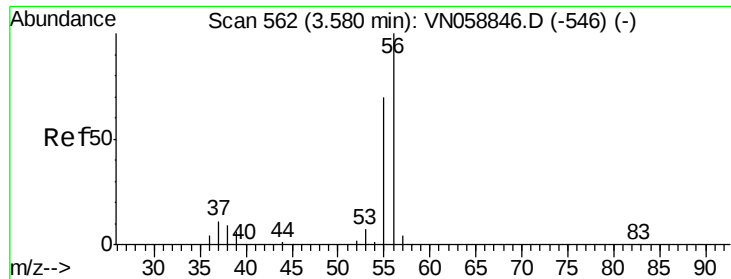


#12

1,1-Dichloroethene
Concen: 20.742 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.0	146.2	219.2
98	70.8	48.7	73.1





#13

Acrolein

Concen: 57.755 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tgt Ion: 56 Resp: 36519

Ion Ratio Lower Upper

56 100

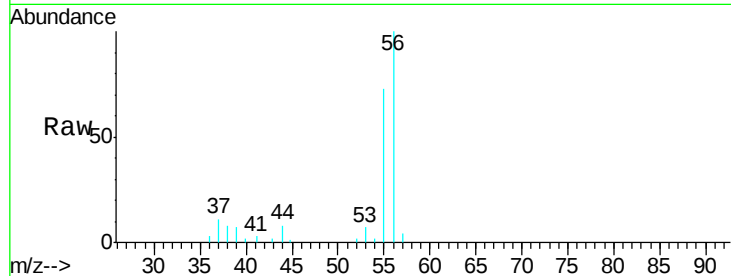
55 75.3 56.6 85.0

Manual Integrations

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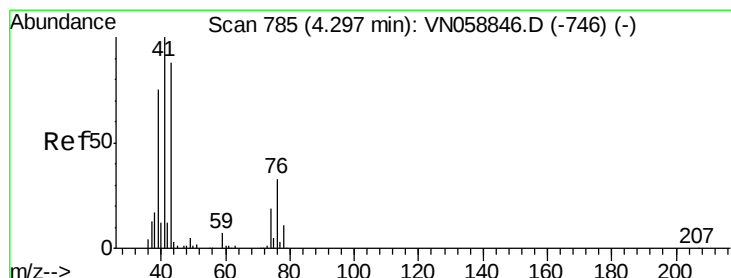
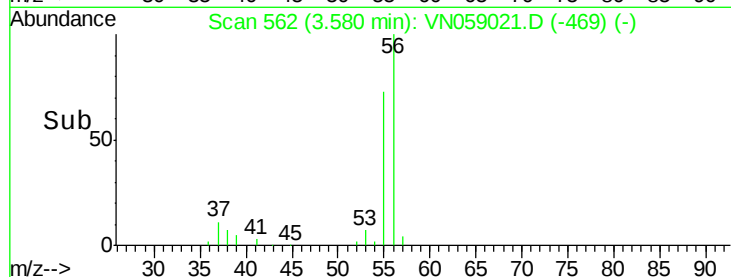
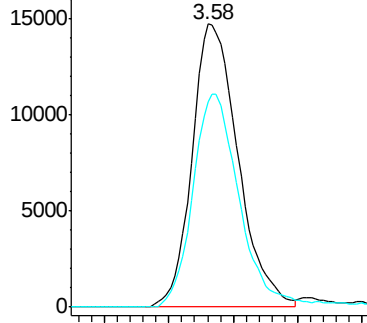
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.730 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

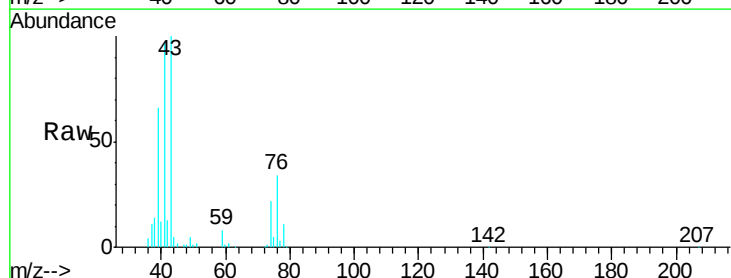
Tgt Ion: 41 Resp: 156358

Ion Ratio Lower Upper

41 100

39 65.7 55.9 83.9

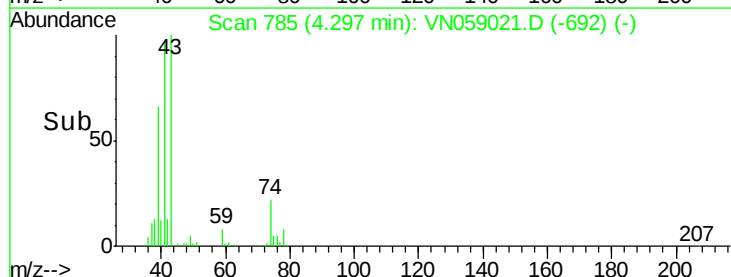
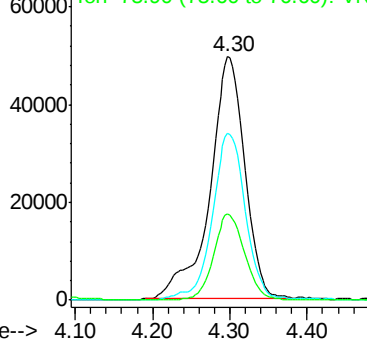
76 31.5 24.1 36.1

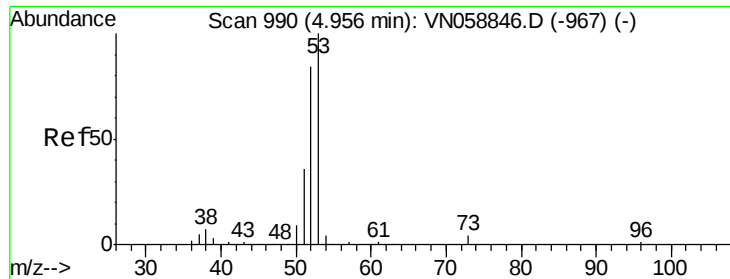


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 115.260 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

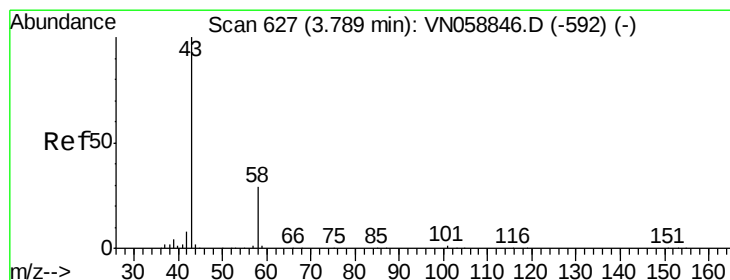
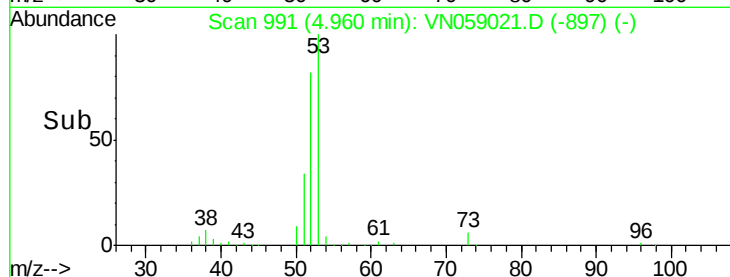
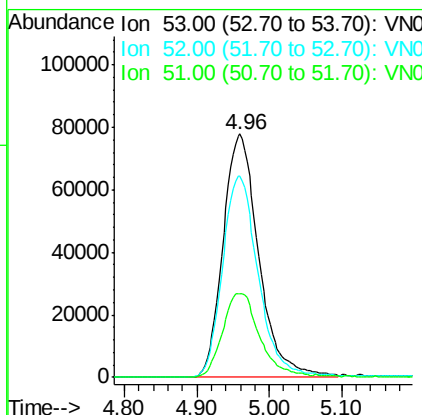
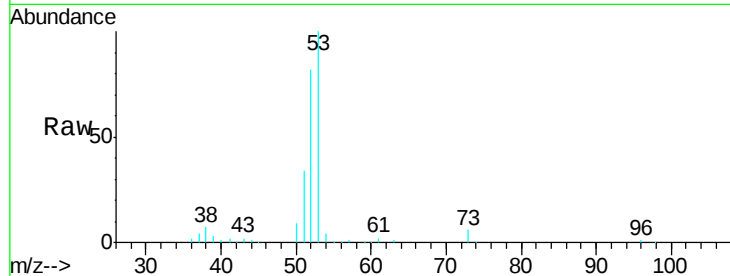
ClientSampleId :

VN1030WBSD01

Tgt Ion:	53	Resp:	266806
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.6	99.8
51	35.7	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 102.360 ug/l

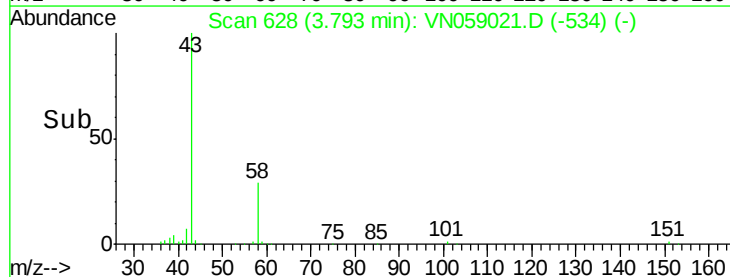
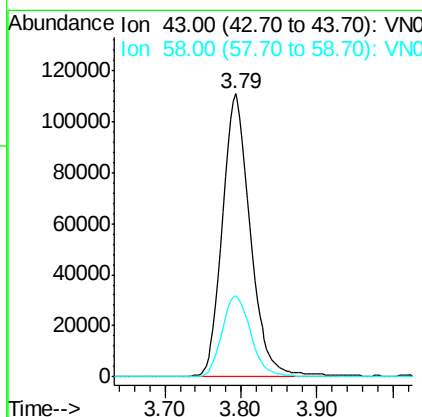
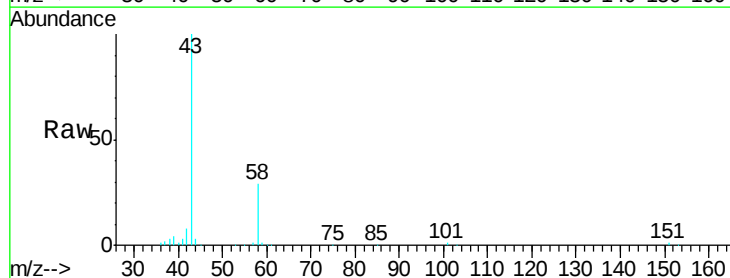
RT: 3.79 min Scan# 628

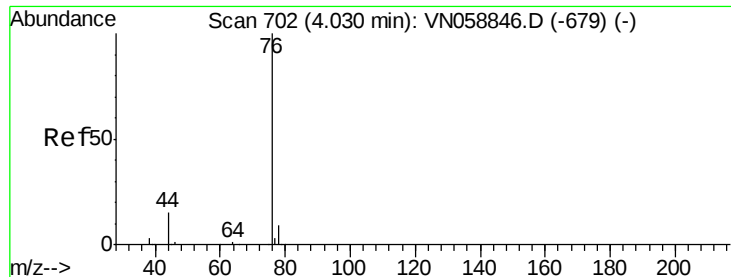
Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Tgt Ion:	43	Resp:	280494
Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.1	34.7





#17

Carbon Disulfide

Concen: 17.588 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tgt Ion: 76 Resp: 211184

Ion Ratio Lower Upper

76 100

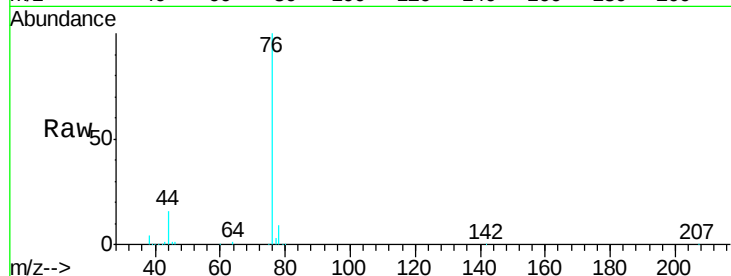
78 9.4 7.1 10.7

Manual Integrations

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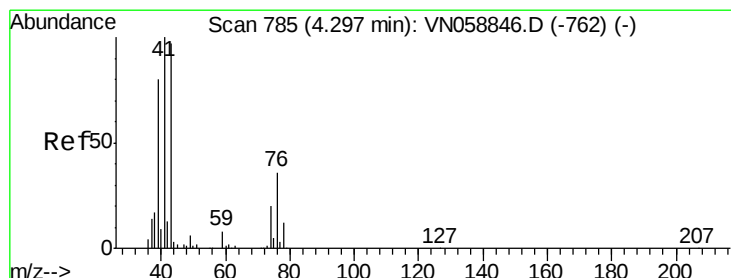
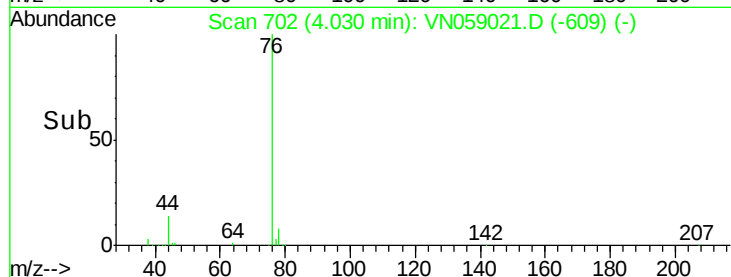
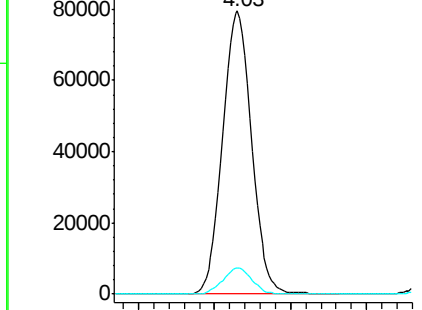
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Abundance Ion 75.90 (75.60 to 76.60): VN058846.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN058846.D (-679) (-)



#18

Methyl Acetate

Concen: 23.578 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN059021.D

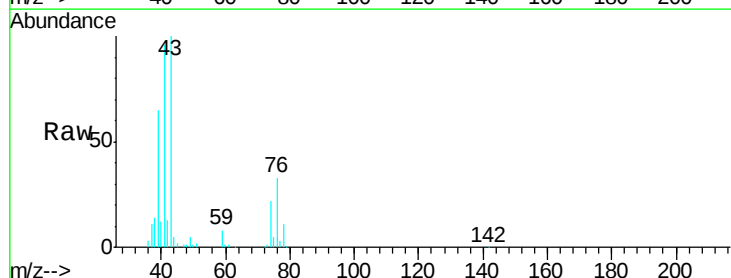
Acq: 30 Oct 2019 11:38

Tgt Ion: 43 Resp: 146894

Ion Ratio Lower Upper

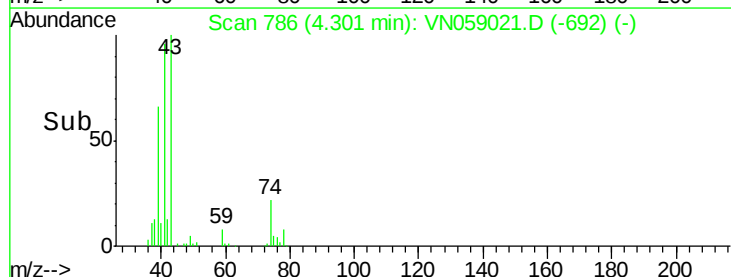
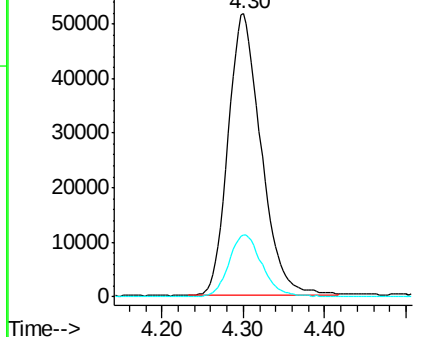
43 100

74 22.1 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-762) (-)

Ion 74.00 (73.70 to 74.70): VN058846.D (-762) (-)





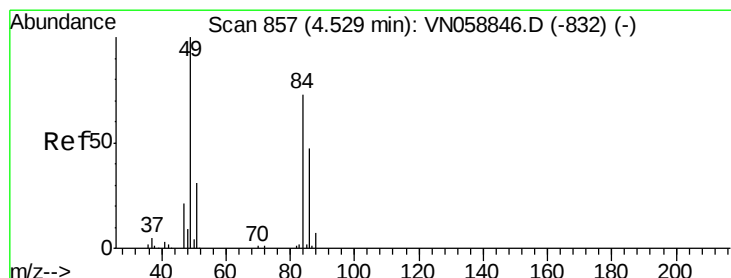
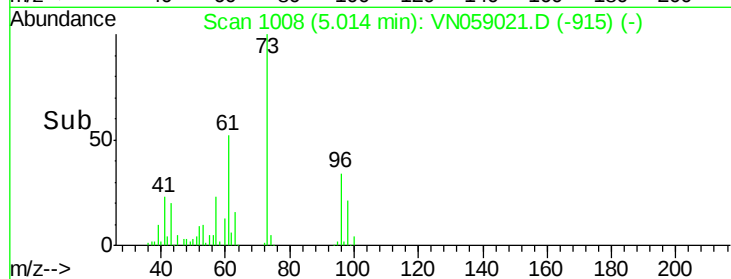
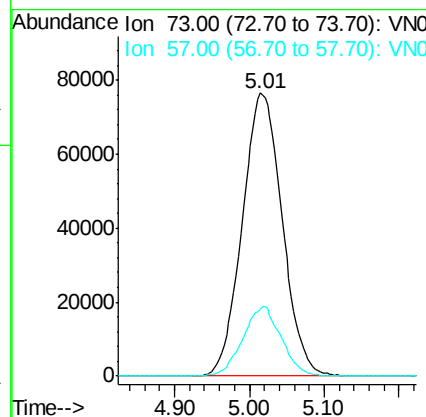
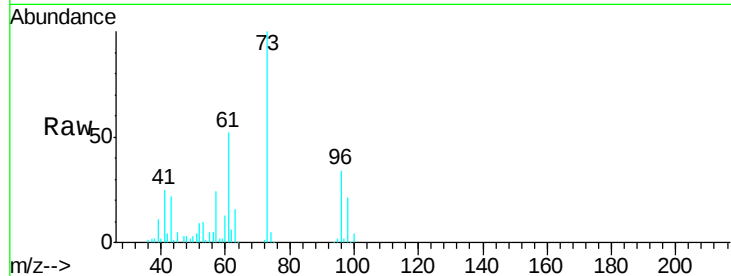
#19
Methyl tert-butyl Ether
Concen: 21.736 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampled :
VN1030WBSD01

Tgt Ion: 73 Resp: 283689
Ion Ratio Lower Upper
73 100
57 23.6 17.9 26.9

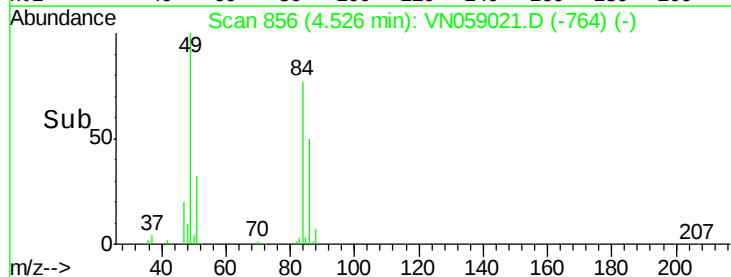
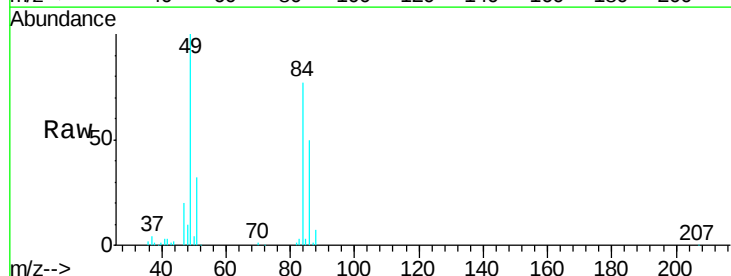
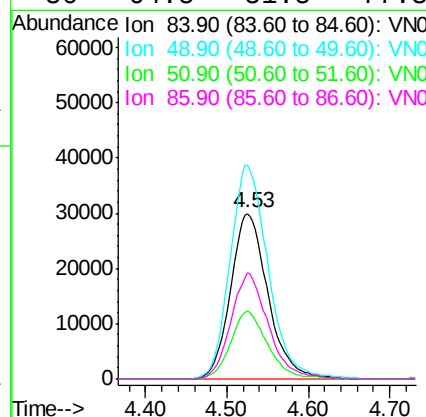
Manual Integrations
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#20
Methylene Chloride
Concen: 20.468 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion: 84 Resp: 95770
Ion Ratio Lower Upper
84 100
49 129.1 109.6 164.4
51 40.8 33.8 50.6
86 64.5 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 20.130 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tgt Ion: 96 Resp: 82865

Ion Ratio Lower Upper

96 100

61 153.2 126.7 190.1

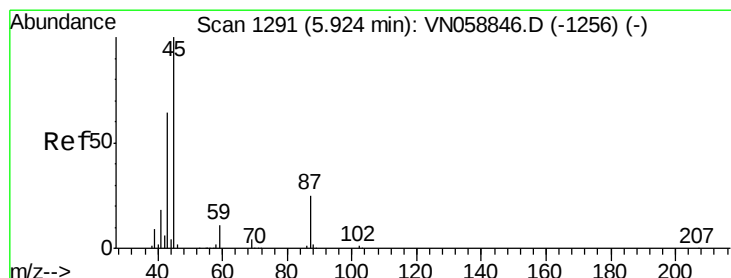
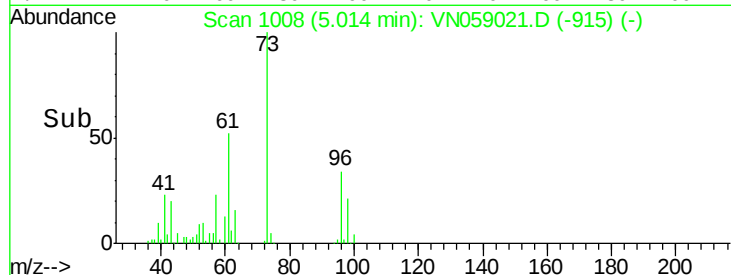
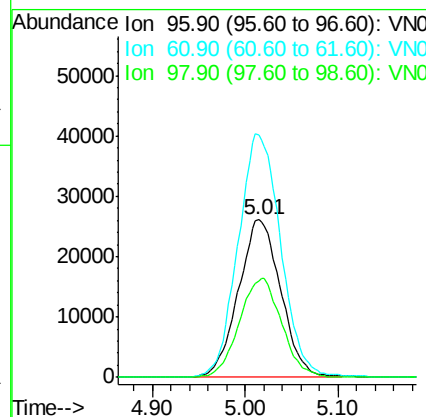
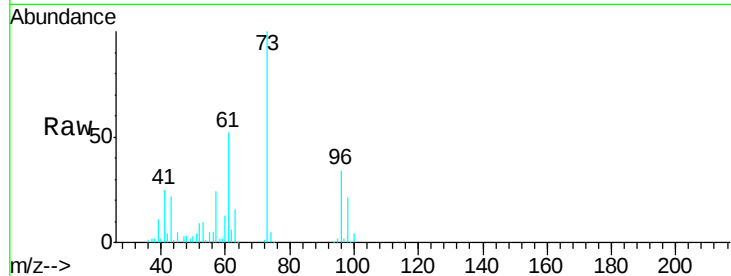
98 61.4 52.0 78.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 22.129 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Tgt Ion: 45 Resp: 326465

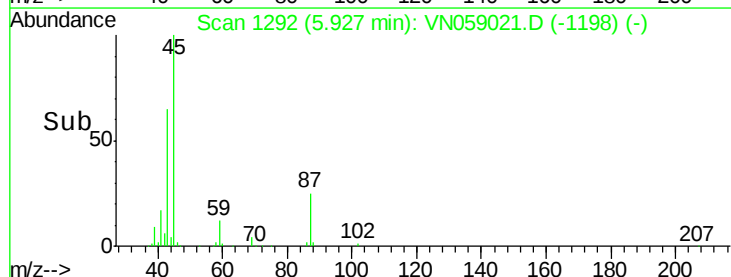
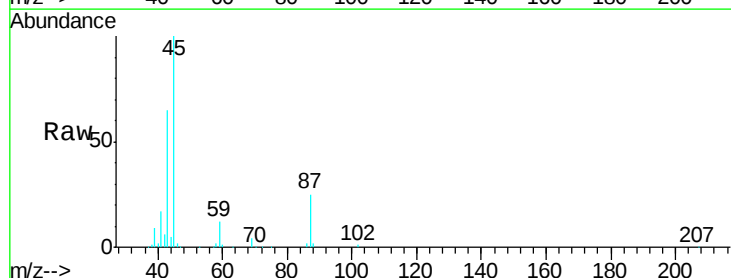
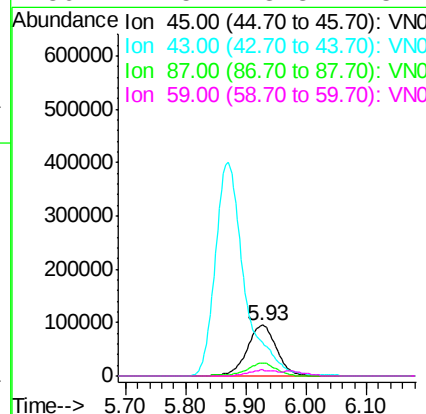
Ion Ratio Lower Upper

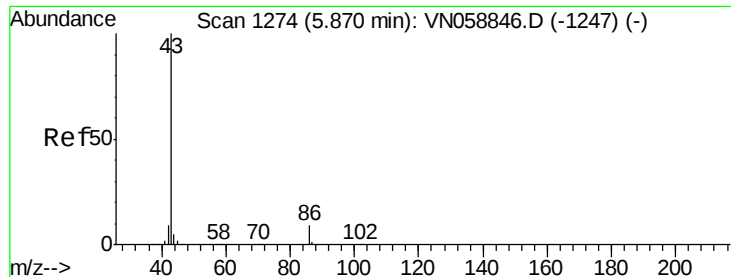
45 100

43 63.9 52.9 79.3

87 25.4 20.2 30.4

59 11.5 8.8 13.2





#23

Vinyl Acetate

Concen: 112.618 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tgt Ion: 43 Resp: 1334856

Ion Ratio Lower Upper

43 100

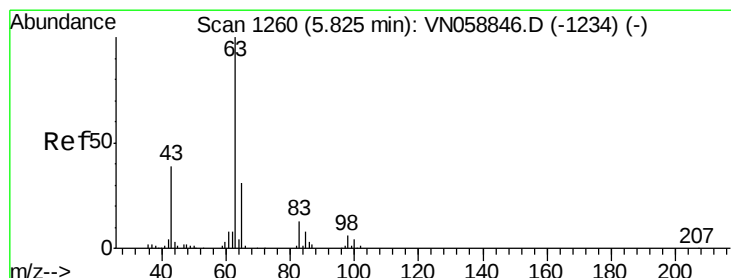
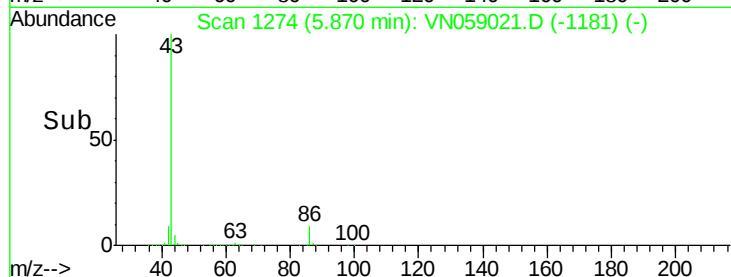
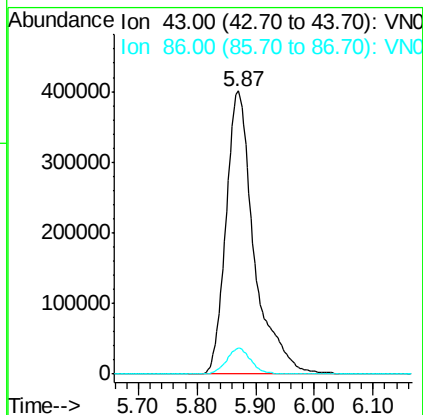
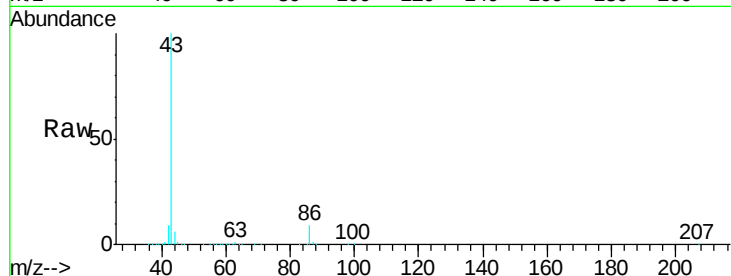
86 9.2 7.2 10.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.630 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

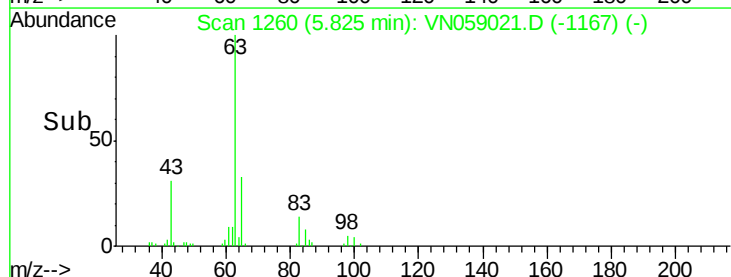
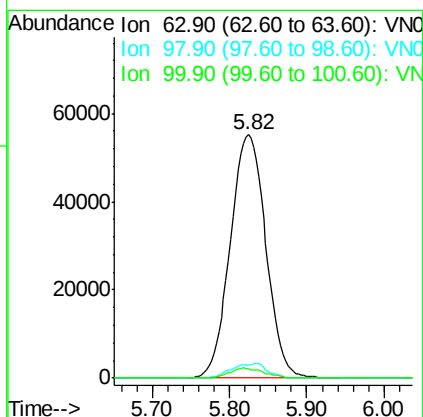
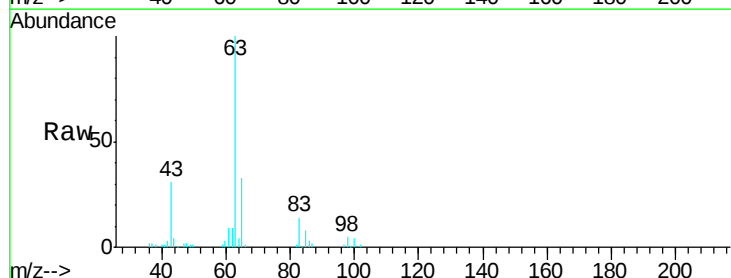
Tgt Ion: 63 Resp: 176476

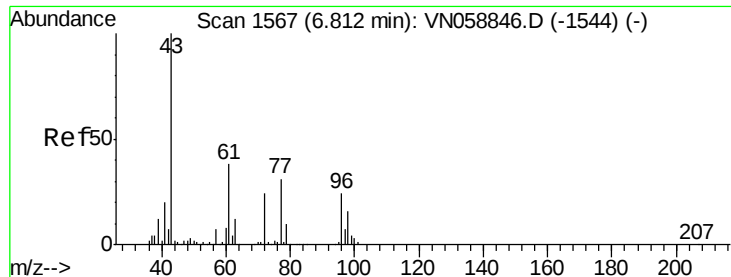
Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

100 3.6 1.9 5.7





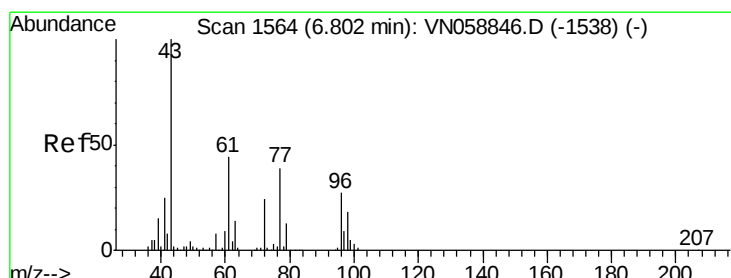
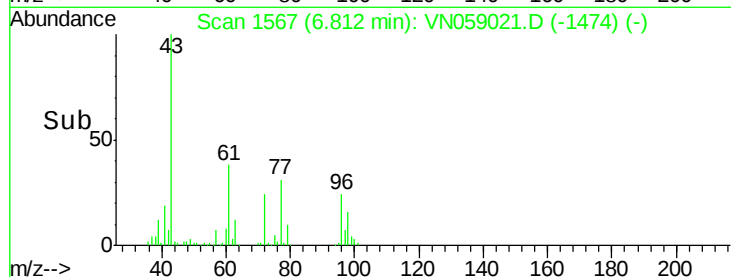
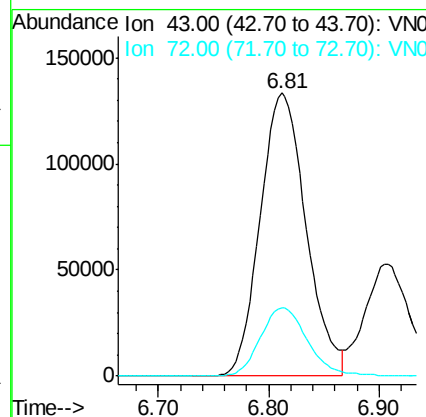
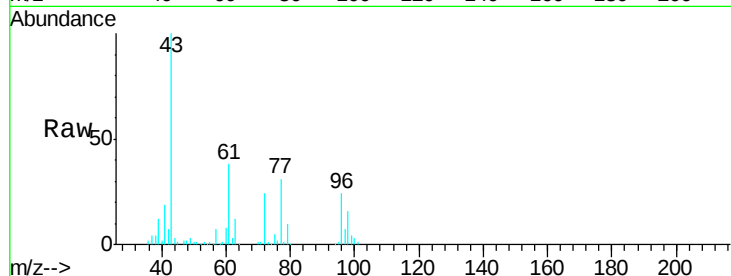
#25
2-Butanone
Concen: 107.867 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion: 43 Resp: 383699
Ion Ratio Lower Upper
43 100
72 24.4 19.1 28.7

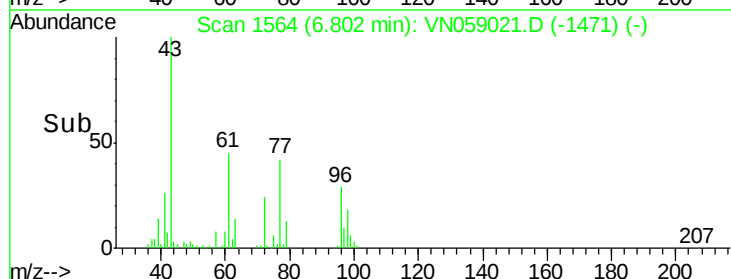
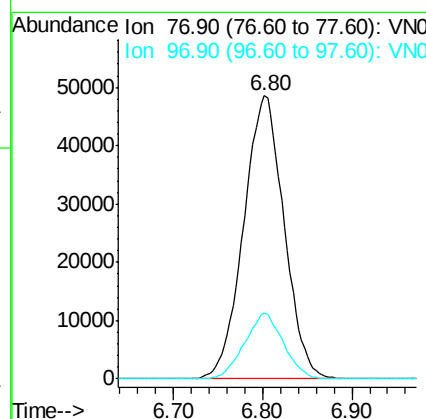
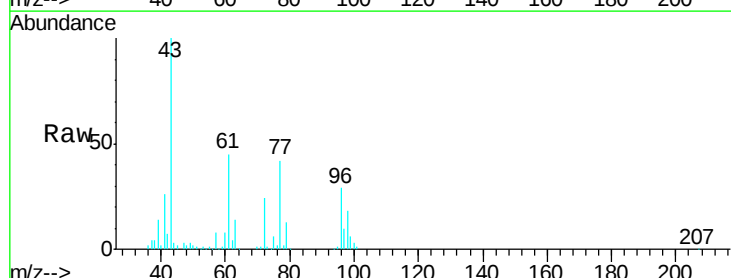
Manual Integrations
APPROVED

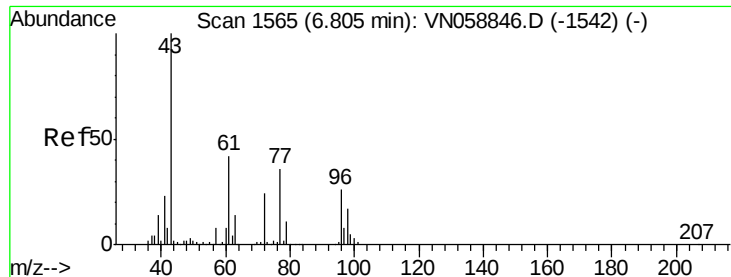
MMDadoda
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#26
2,2-Dichloropropane
Concen: 20.703 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion: 77 Resp: 153190
Ion Ratio Lower Upper
77 100
97 22.1 10.6 31.8





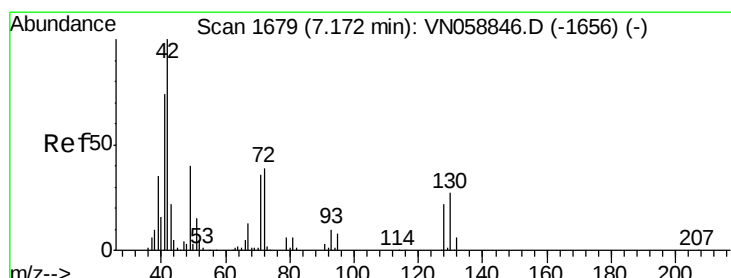
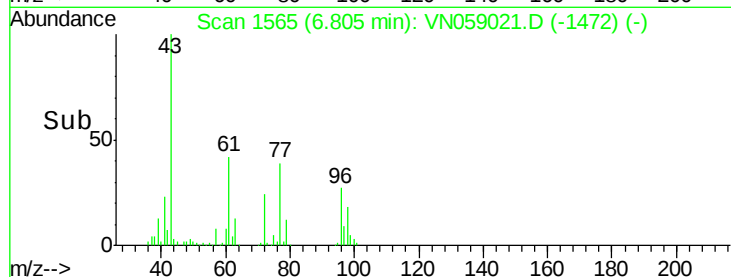
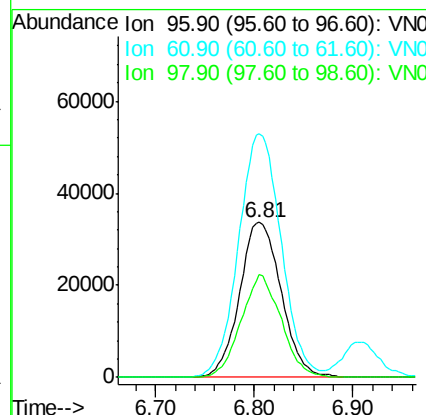
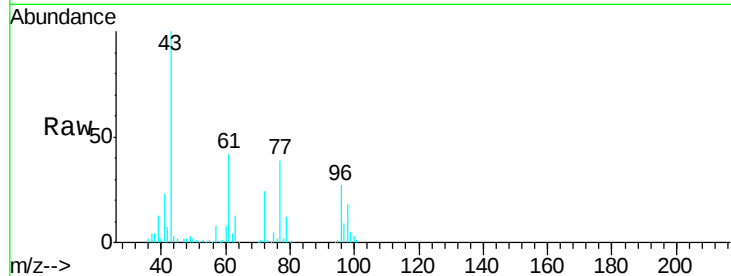
#27
 cis-1,2-Dichloroethene
 Concen: 20.966 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN1030WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	98592		
61	161.3	0.0	325.0	
98	63.7	0.0	128.0	

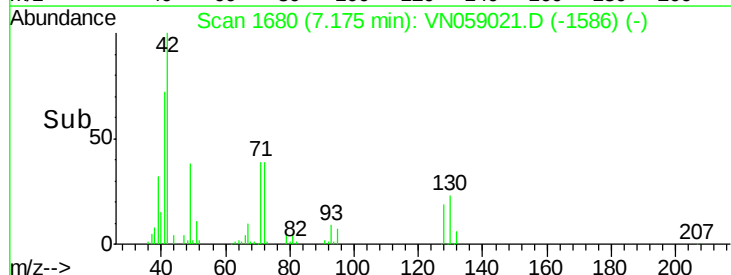
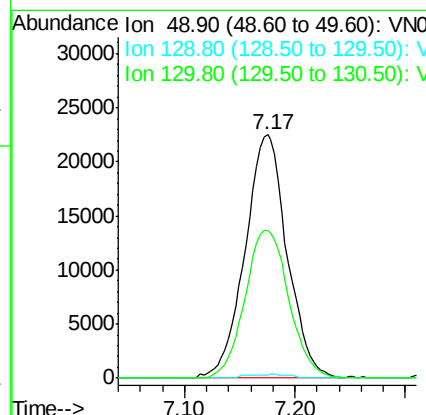
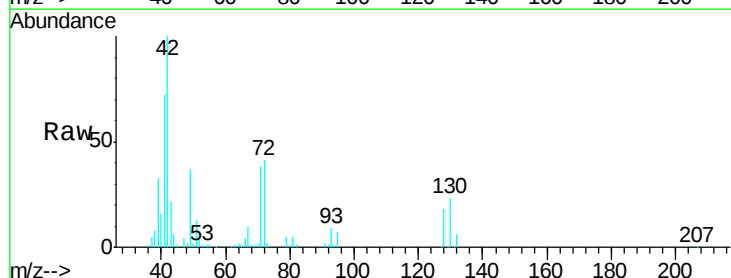
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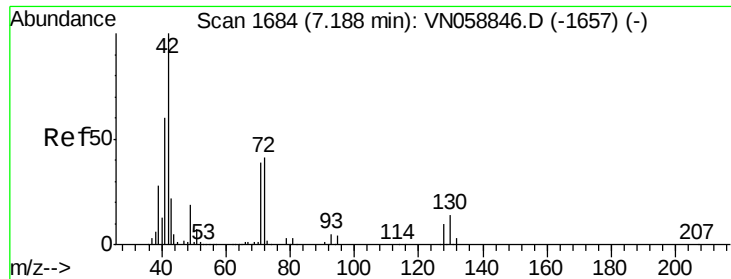
MMDadoda
 10/31/2019 3:37:24 PM



#28
 Bromochloromethane
 Concen: 20.830 ug/l
 RT: 7.17 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	59344		
129	0.8	0.0	3.2	
130	63.4	53.5	80.3	





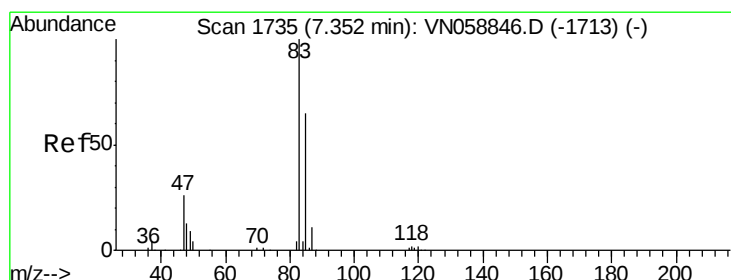
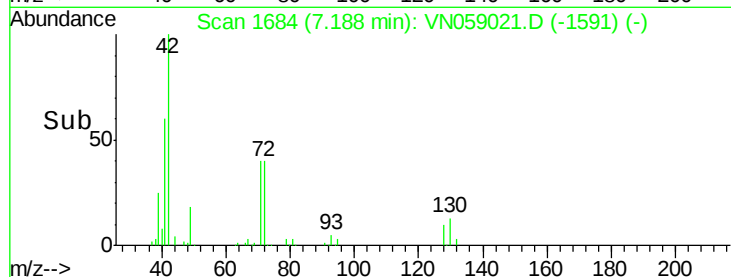
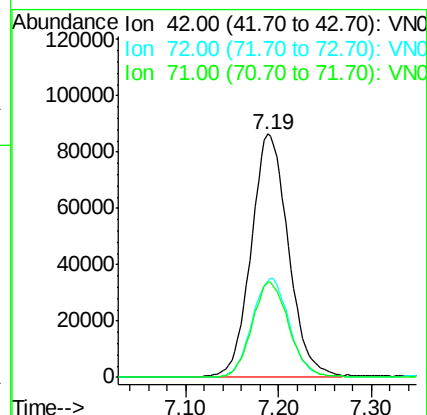
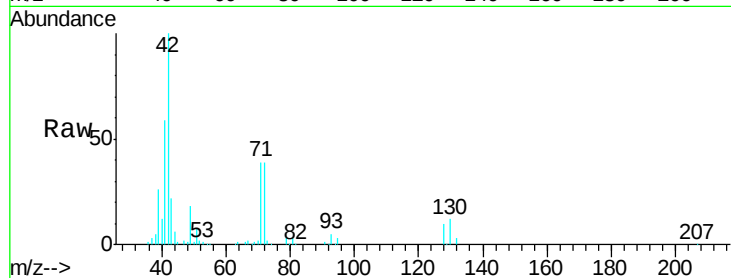
#29
Tetrahydrofuran
Concen: 110.287 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.2	48.2
71	39.2	30.6	45.8

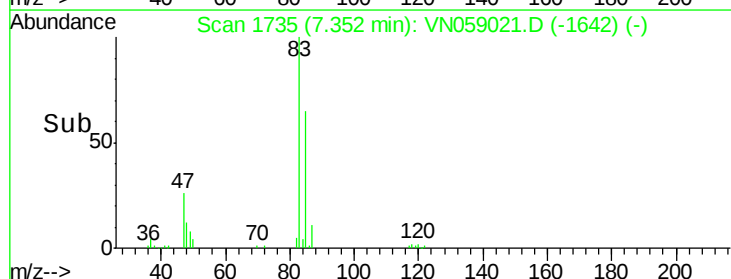
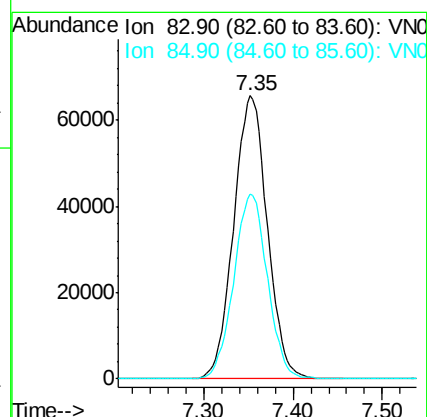
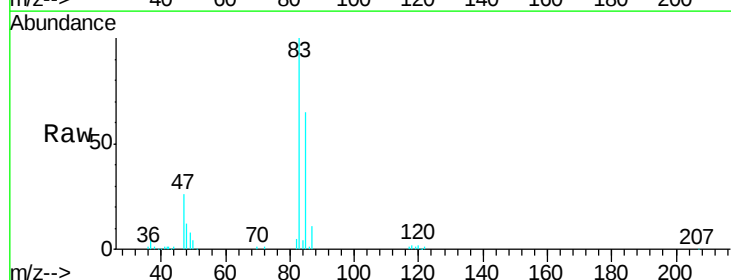
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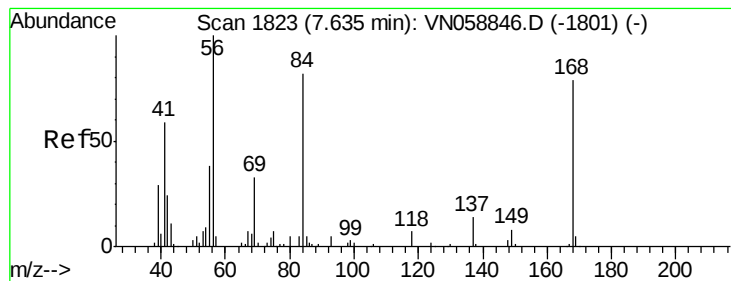
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#30
Chloroform
Concen: 19.951 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.9	77.9





#31

Cyclohexane

Concen: 19.029 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

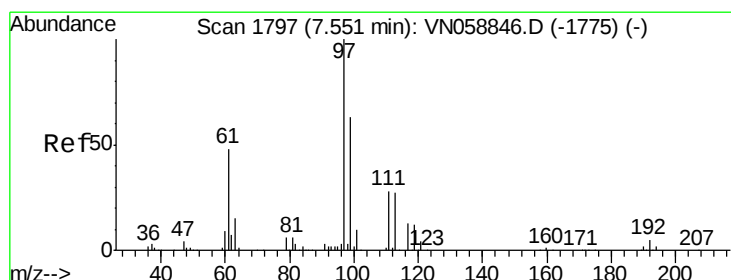
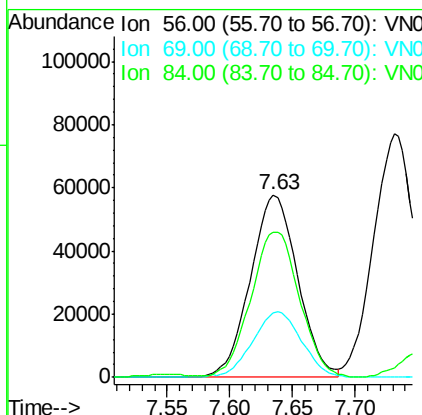
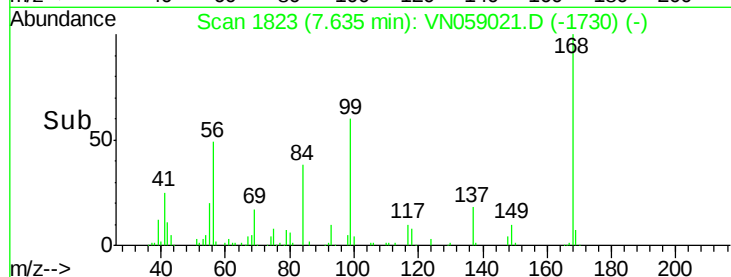
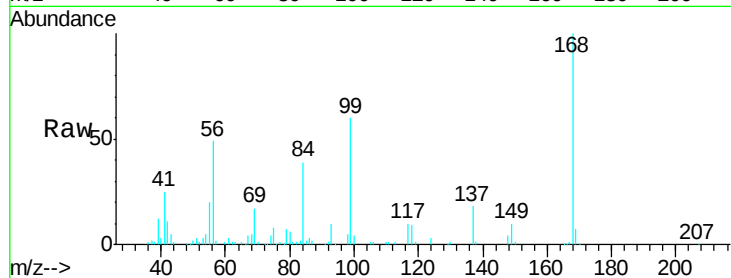
ClientSampleId :

VN1030WBSD01

Tgt Ion:	56	Resp:	151650
Ion Ratio	Lower	Upper	
56	100		
69	35.3	26.2	39.4
84	78.4	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.287 ug/l

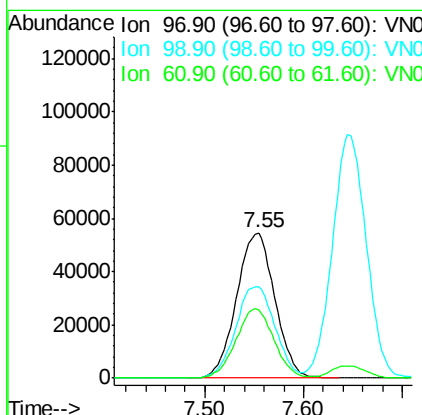
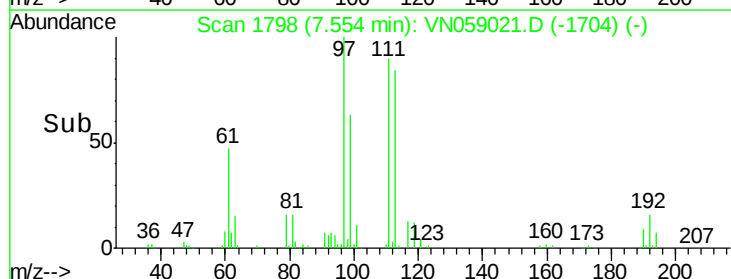
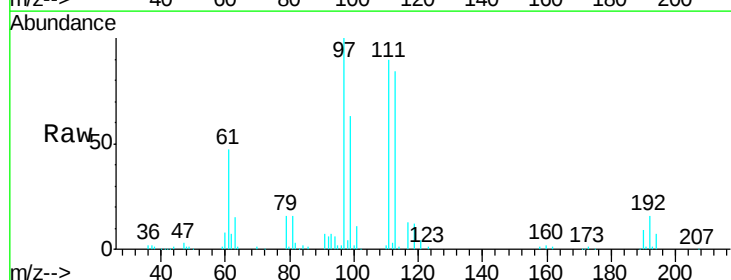
RT: 7.55 min Scan# 1798

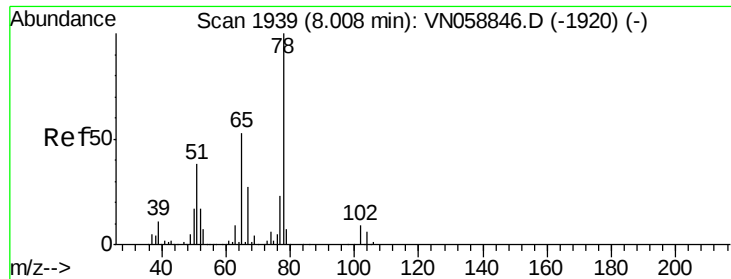
Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Tgt Ion:	97	Resp:	146733
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.0	76.4
61	47.5	38.6	58.0





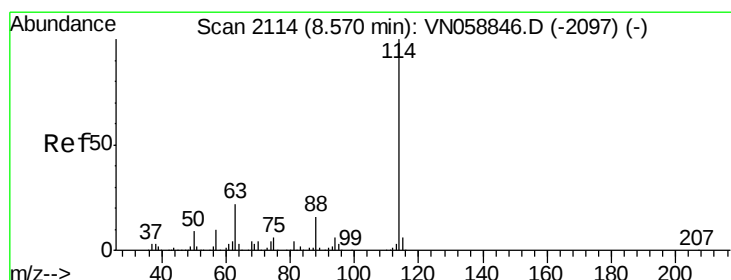
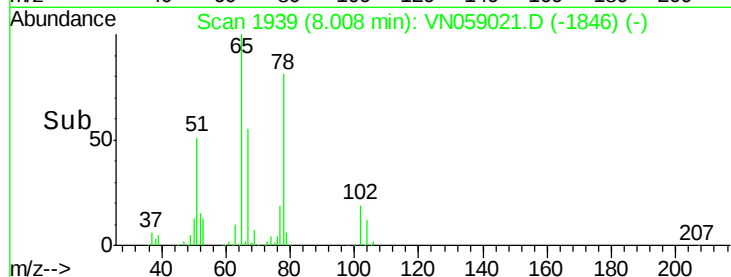
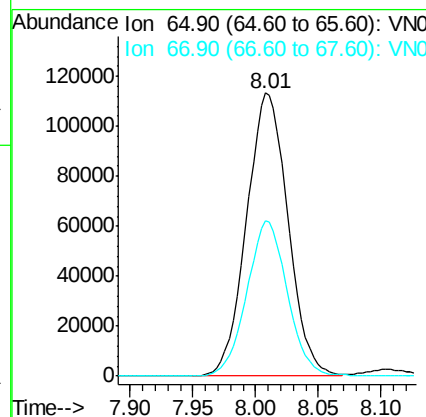
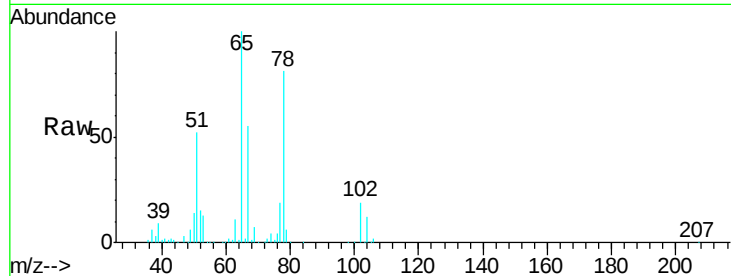
#33
 1,2-Dichloroethane-d4
 Concen: 47.025 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	260775		
67	53.5	0.0	103.2	

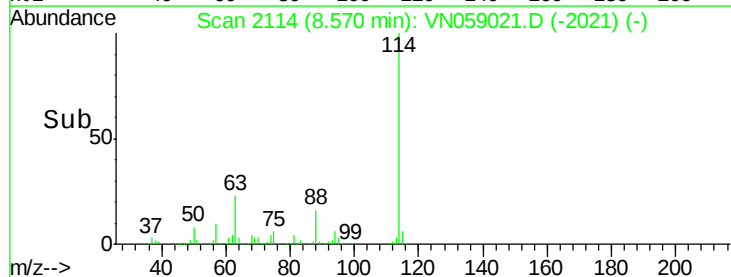
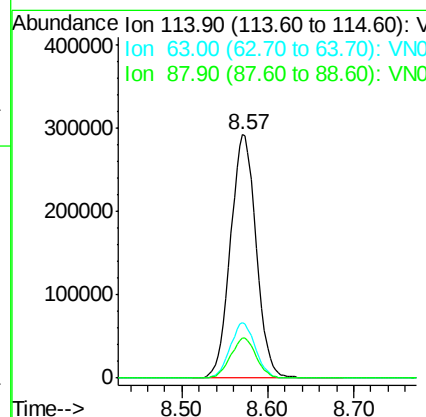
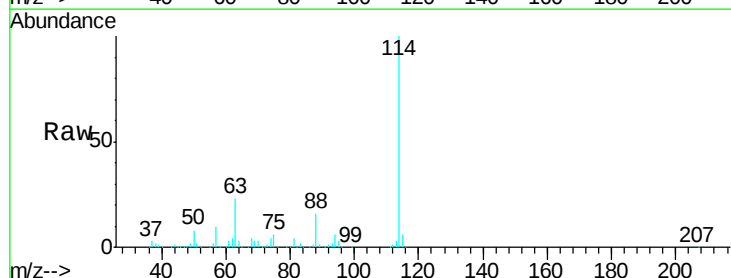
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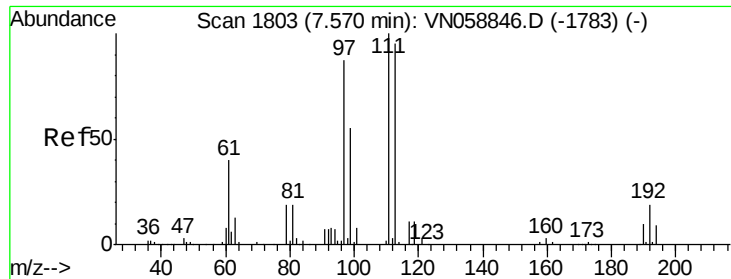
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	605152		
63	22.7	0.0	44.4	
88	16.4	0.0	31.4	





#35

Dibromofluoromethane

Concen: 49.922 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

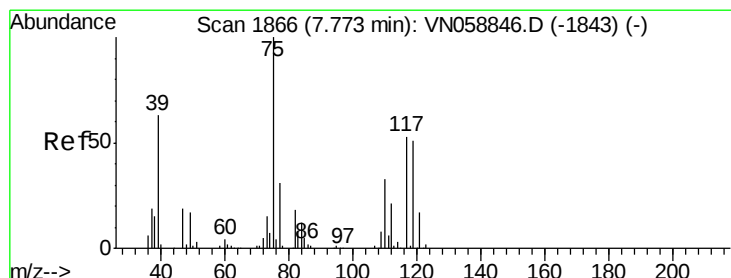
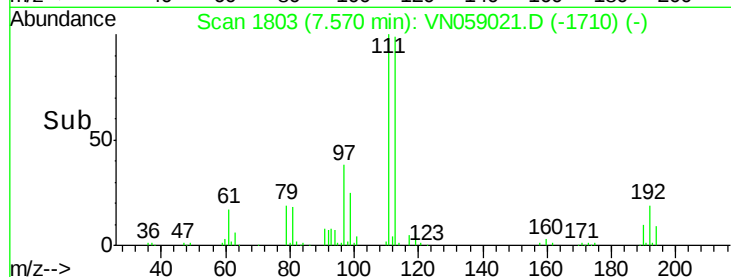
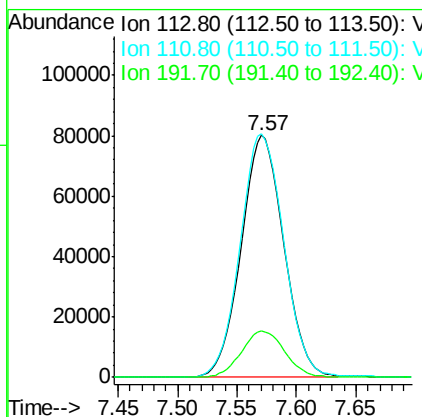
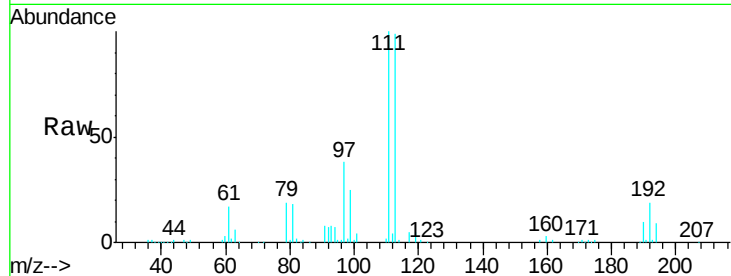
ClientSampleId :

VN1030WBSD01

Tgt Ion:	113	Resp:	198624
Ion Ratio	Lower	Upper	
113	100		
111	103.2	82.0	123.0
192	19.6	15.0	22.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.079 ug/l

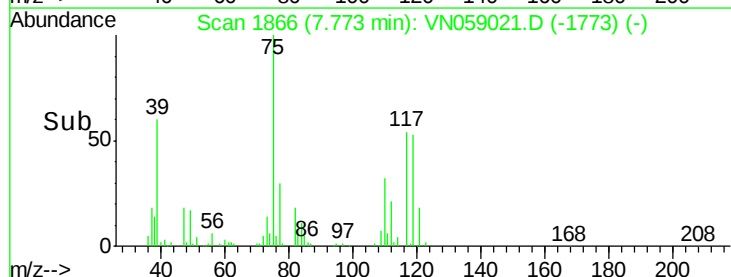
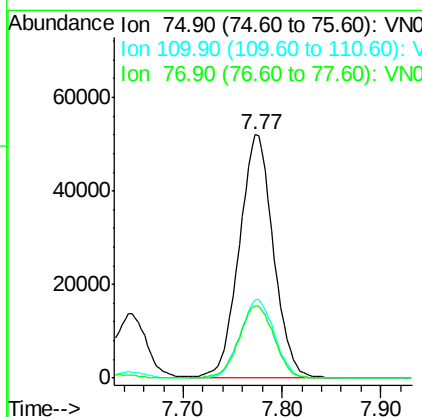
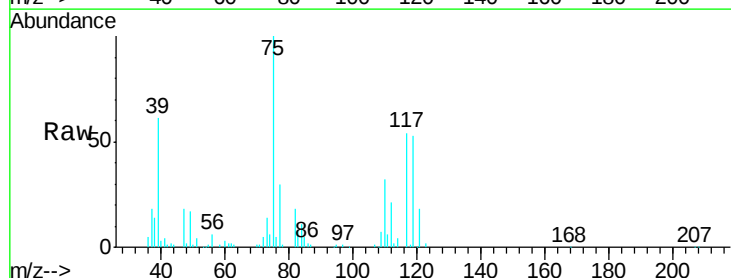
RT: 7.77 min Scan# 1866

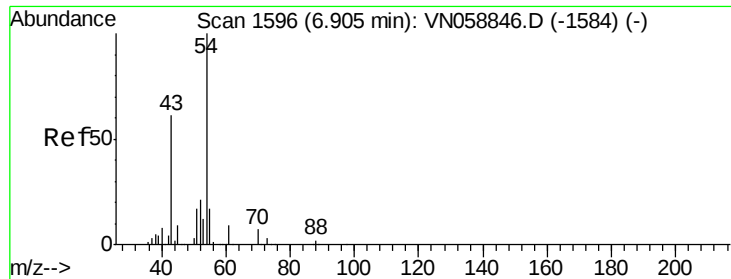
Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Tgt Ion:	75	Resp:	124400
Ion Ratio	Lower	Upper	
75	100		
110	32.4	16.3	48.9
77	30.8	24.6	36.8





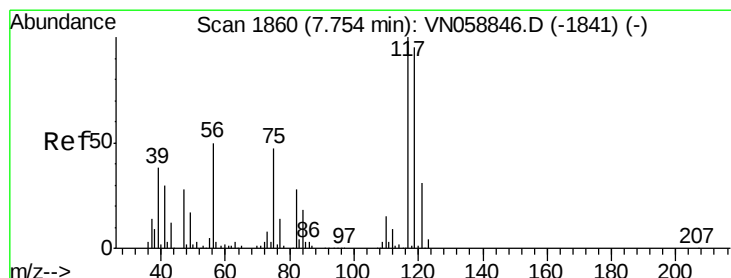
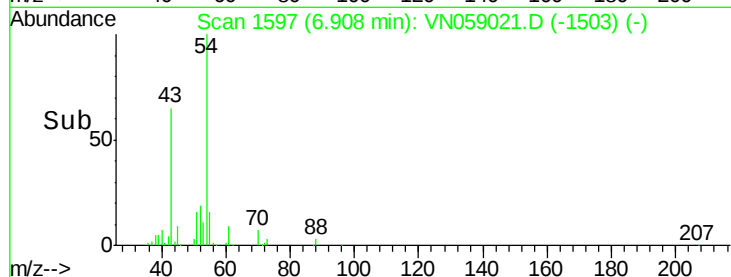
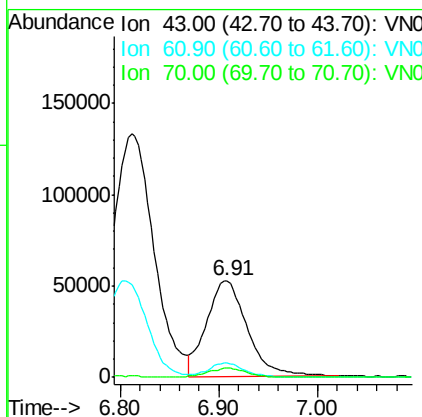
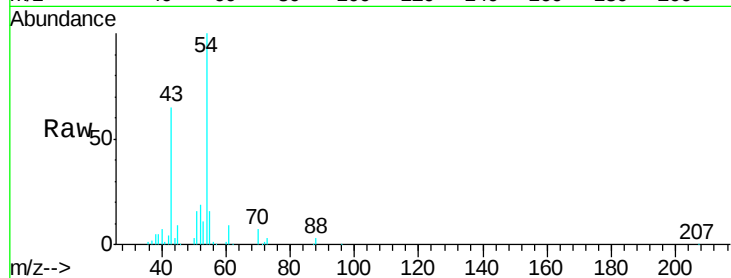
#37
Ethyl Acetate
Concen: 22.284 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.5	15.7
70	9.4	7.6	11.4

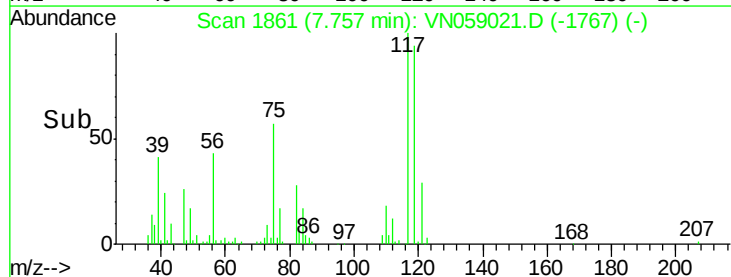
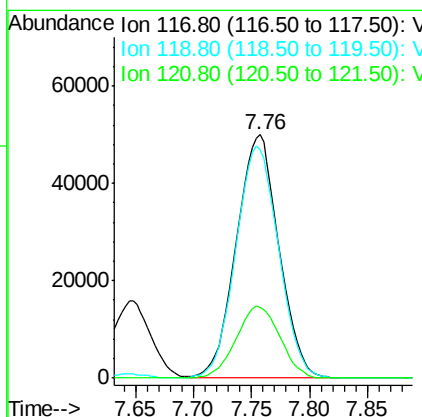
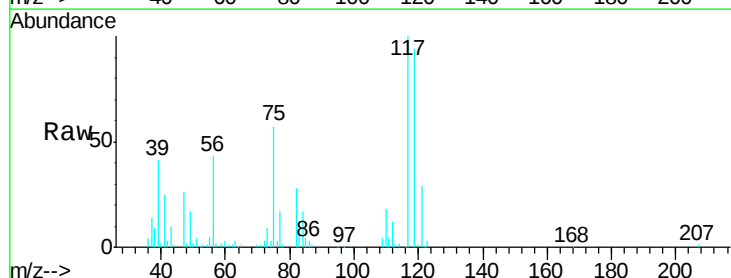
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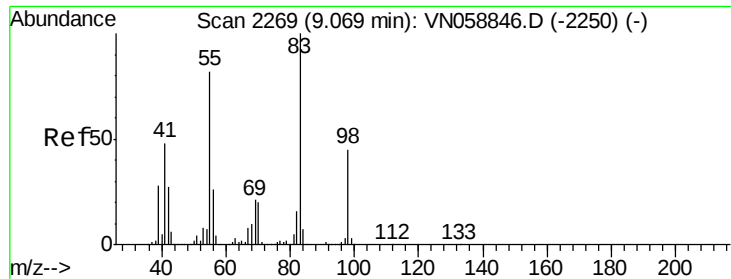
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#38
Carbon Tetrachloride
Concen: 19.953 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.7	113.5
121	29.2	25.0	37.6





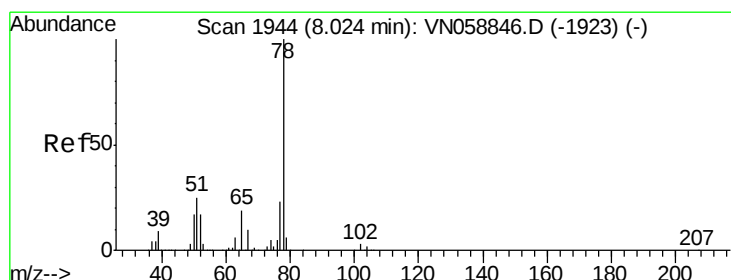
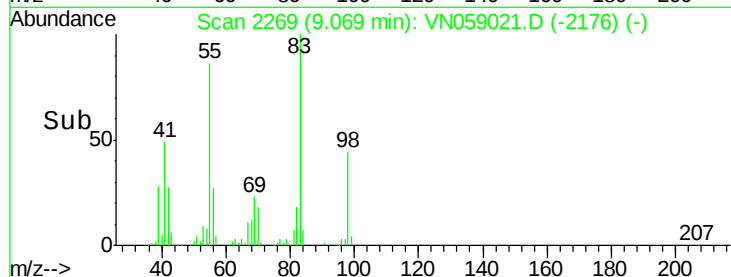
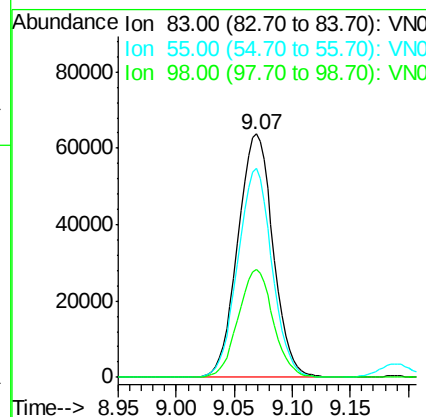
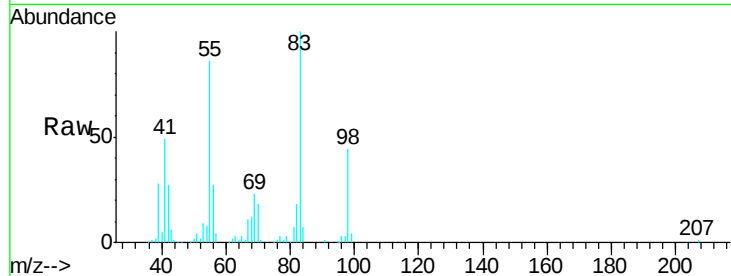
#39
Methylcyclohexane
Concen: 19.403 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	134978		
55	86.0	65.5	98.3	
98	44.3	35.7	53.5	

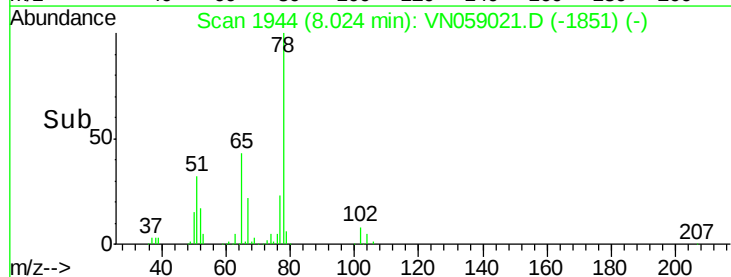
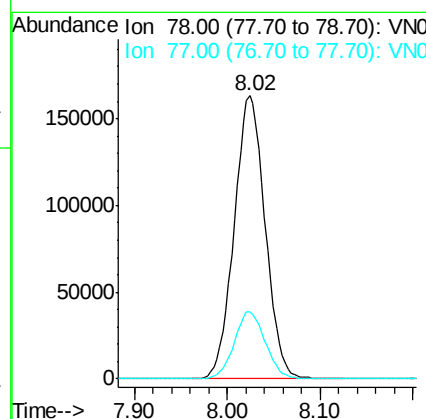
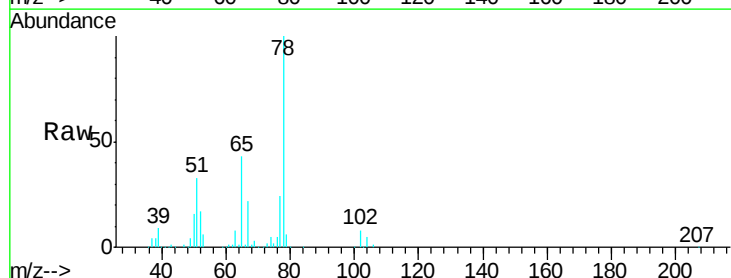
Manual Integrations
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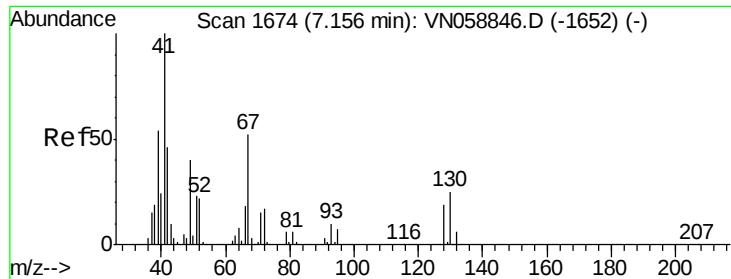
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#40
Benzene
Concen: 20.757 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	377631		
77	23.6	18.2	27.2	





#41

Methacrylonitrile

Concen: 22.205 ug/l m

RT: 7.16 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

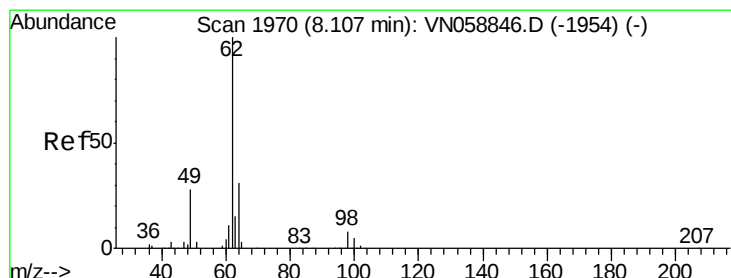
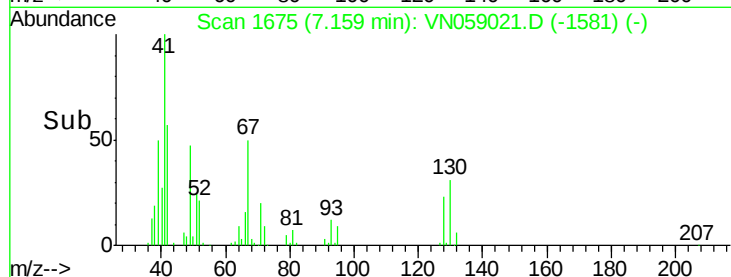
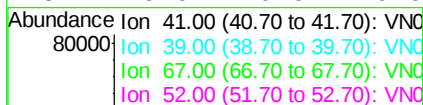
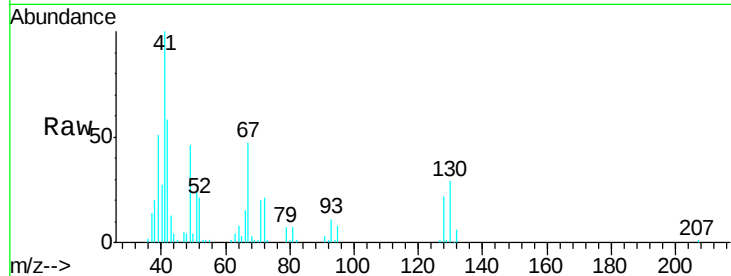
ClientSampleId :

VN1030WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
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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#42

1,2-Dichloroethane

Concen: 19.984 ug/l

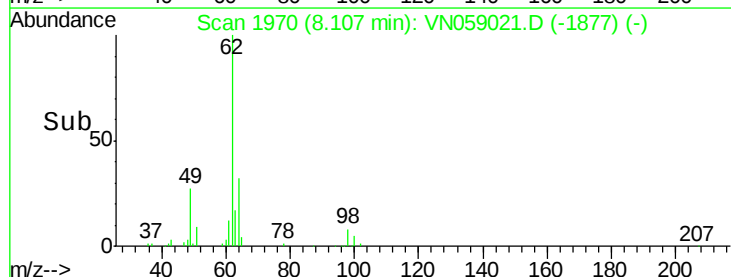
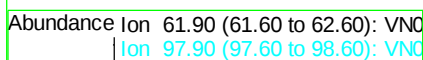
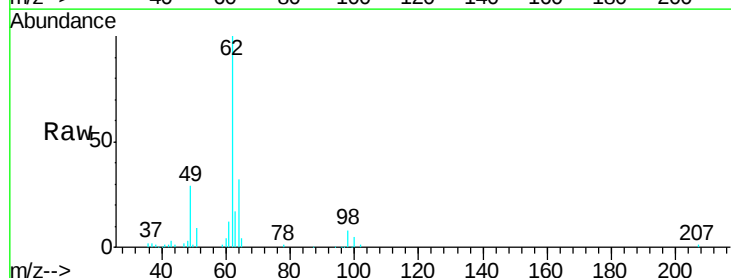
RT: 8.11 min Scan# 1970

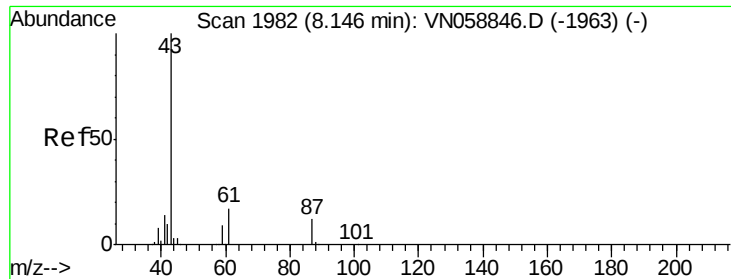
Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.2





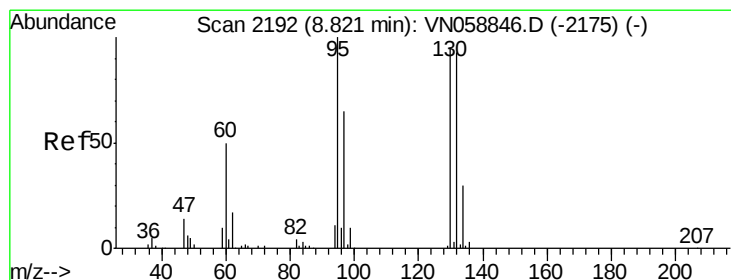
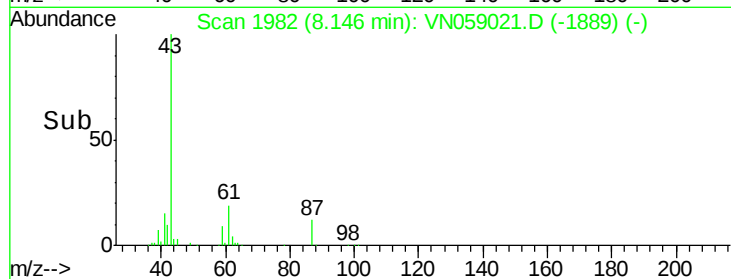
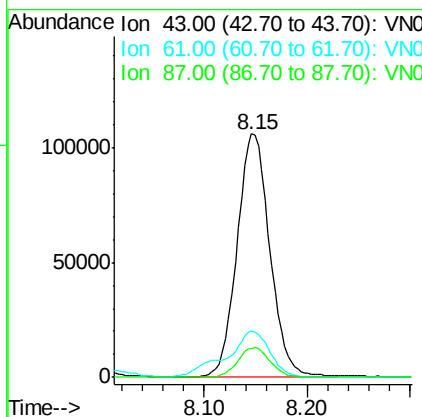
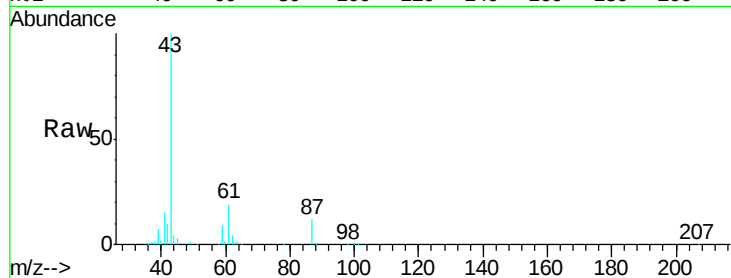
#43
Isopropyl Acetate
Concen: 21.604 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.2	30.2
87	12.1	9.5	14.3

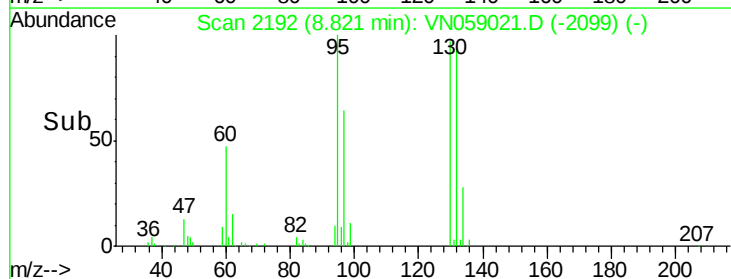
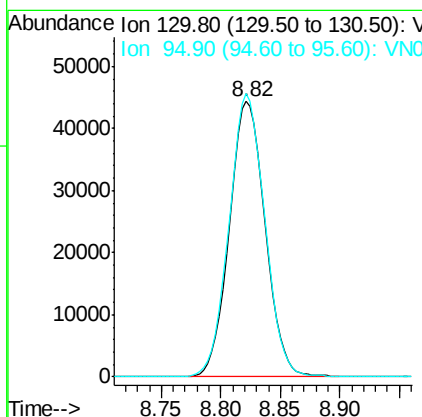
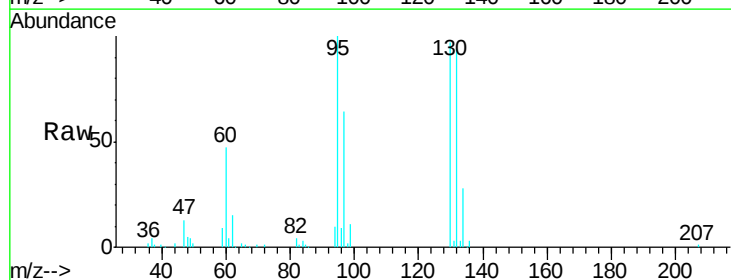
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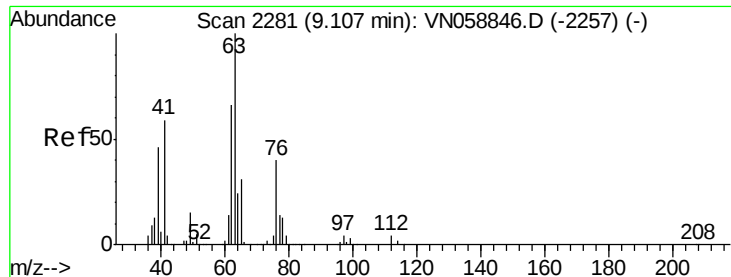
MMDadoda
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#44
Trichloroethene
Concen: 20.867 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	209.6





#45

1,2-Dichloropropane

Concen: 21.251 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tgt Ion: 63 Resp: 106018

Ion Ratio Lower Upper

63 100

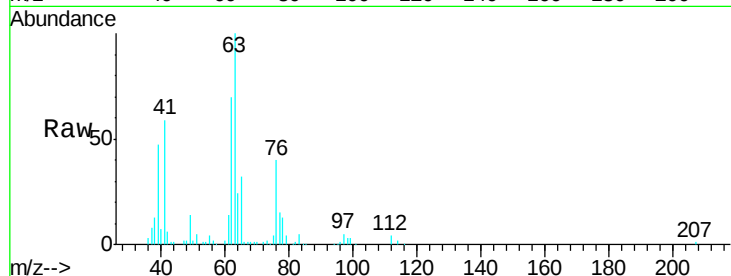
65 31.7 24.5 36.7

Manual Integrations

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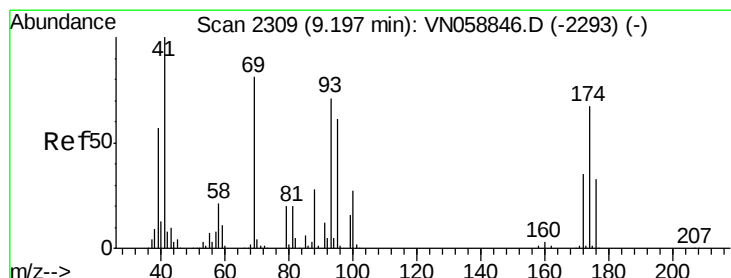
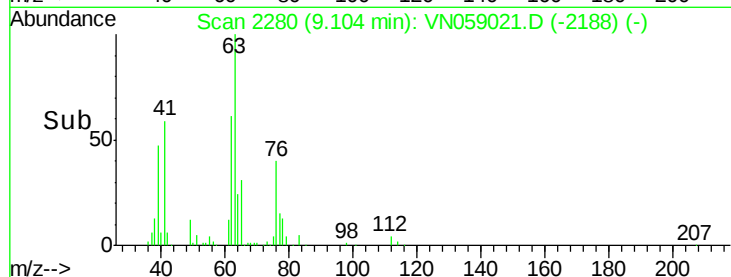
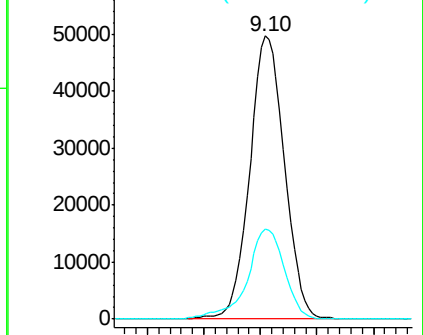
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.828 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

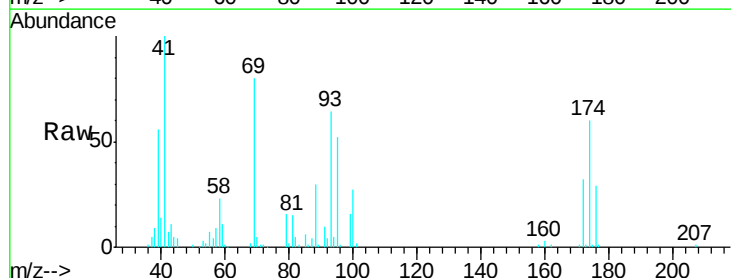
Tgt Ion: 93 Resp: 65687

Ion Ratio Lower Upper

93 100

95 83.4 67.6 101.4

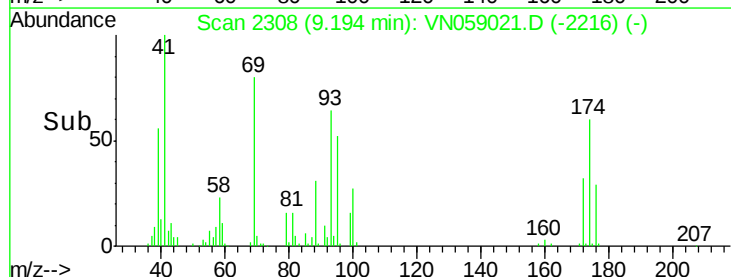
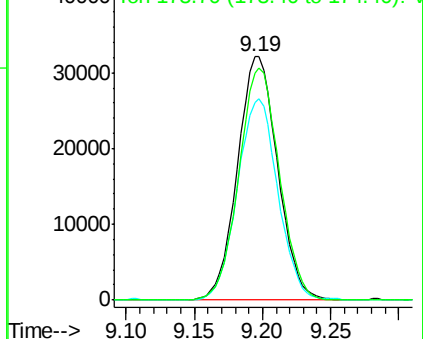
174 95.8 74.1 111.1

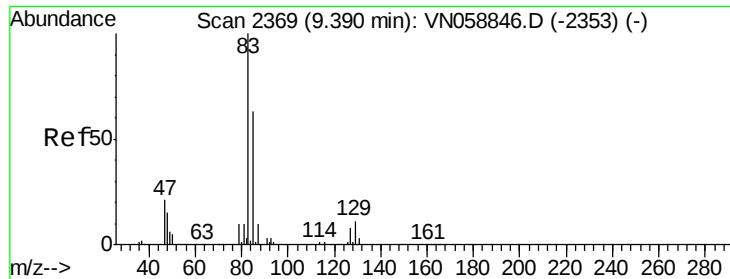


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.115 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

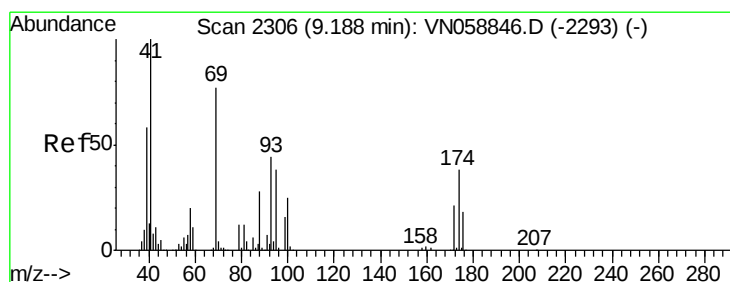
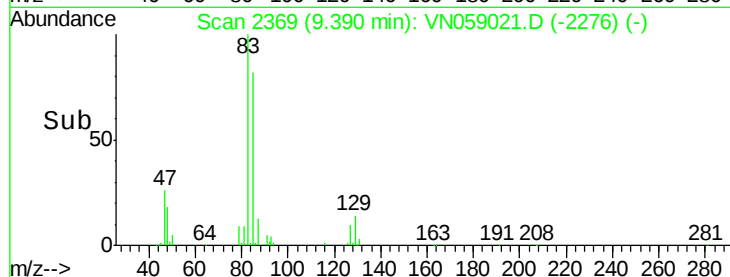
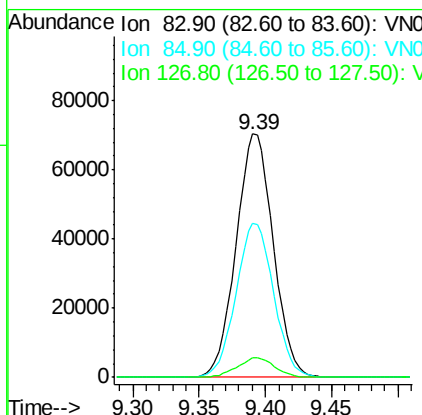
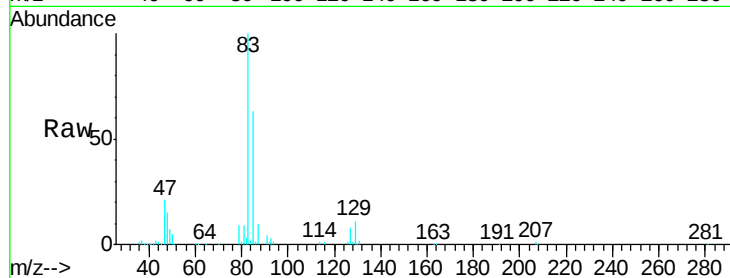
ClientSampleId :

VN1030WBSD01

Tgt Ion:	83	Resp:	137249
Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.6	75.8
127	7.9	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.052 ug/l

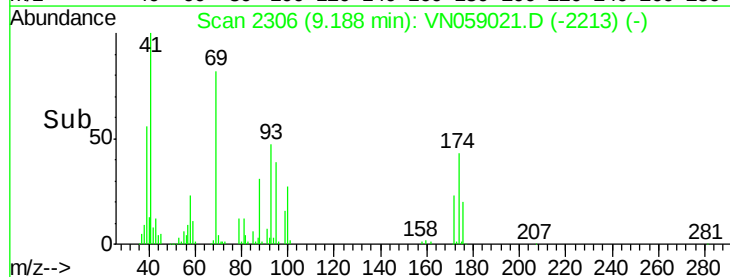
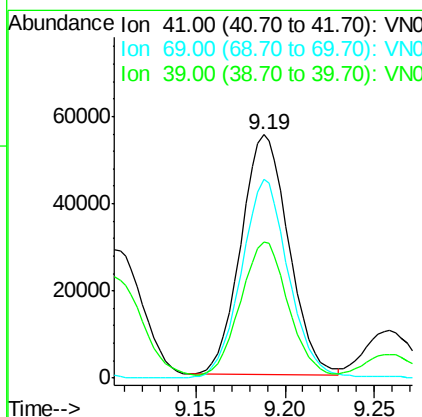
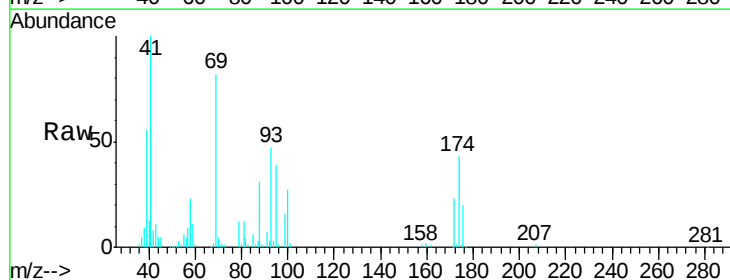
RT: 9.19 min Scan# 2306

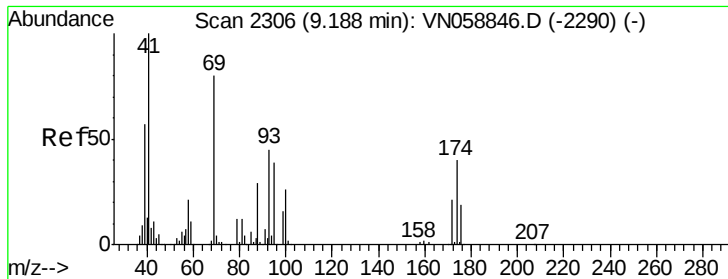
Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Tgt Ion:	41	Resp:	103408
Ion	Ratio	Lower	Upper
41	100		
69	82.1	63.8	95.6
39	56.7	47.8	71.8





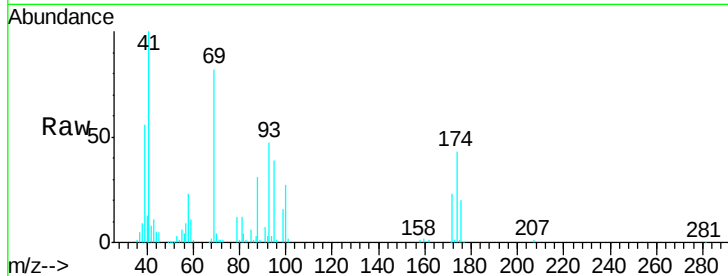
#49
1,4-Dioxane
Concen: 438.057 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

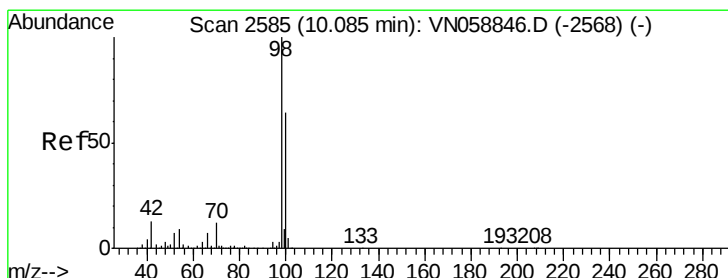
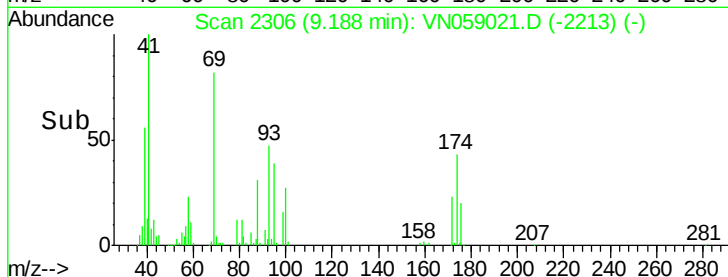
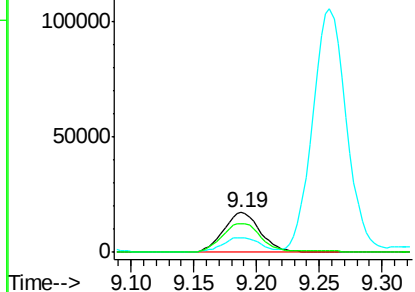
Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.8	29.1	43.7
58	76.3	59.4	89.0

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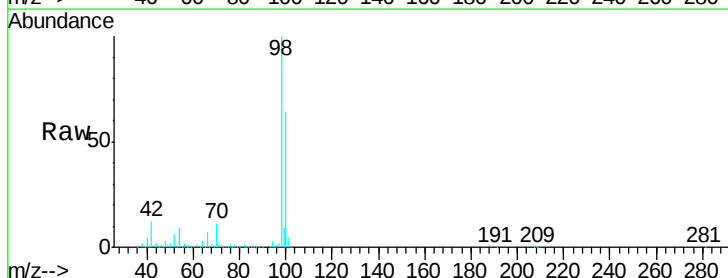


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

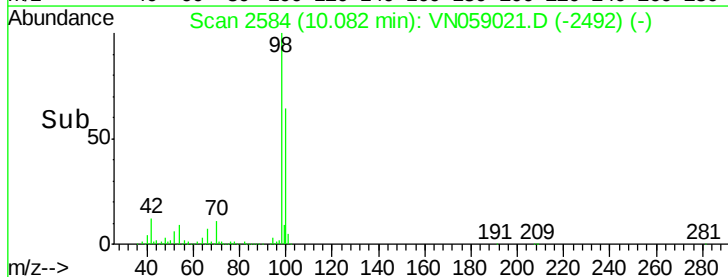
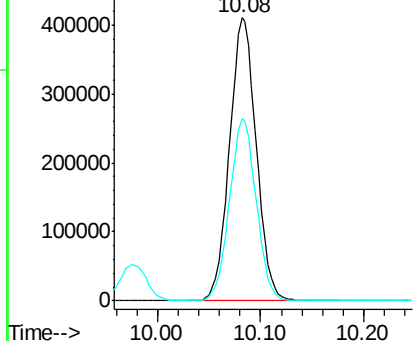


#50
Toluene-d8
Concen: 47.991 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.2



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





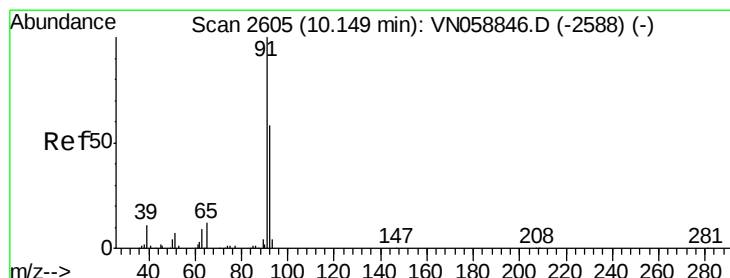
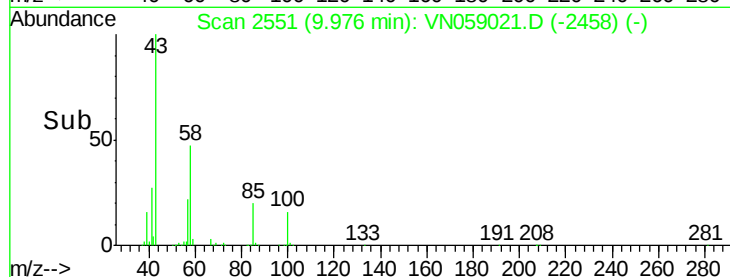
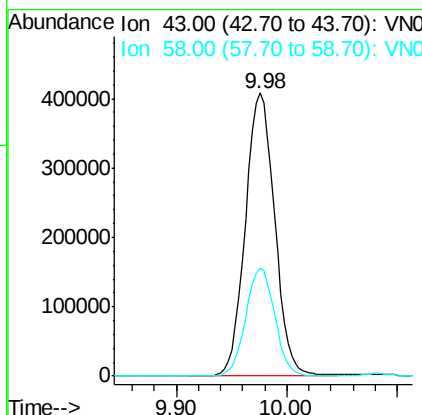
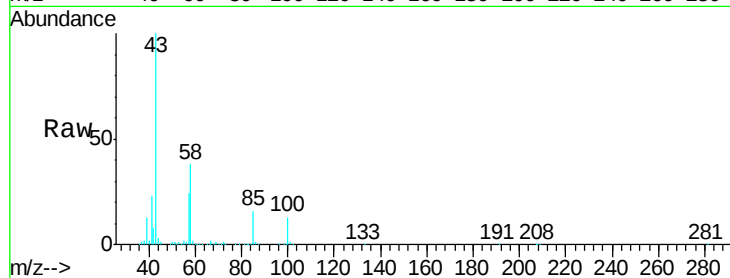
#51
4-Methyl-2-Pentanone
Concen: 118.290 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.9	29.9	44.9

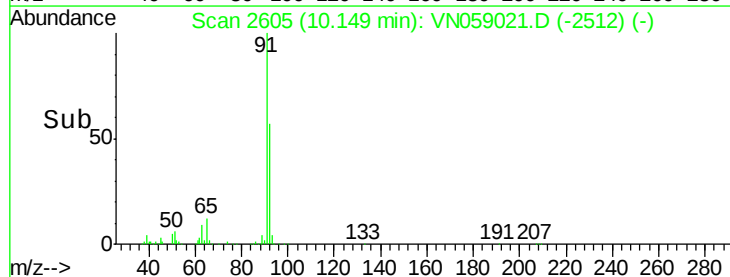
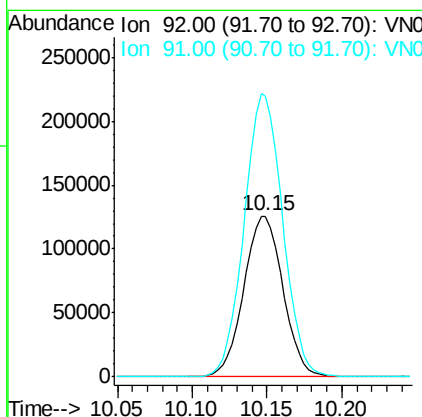
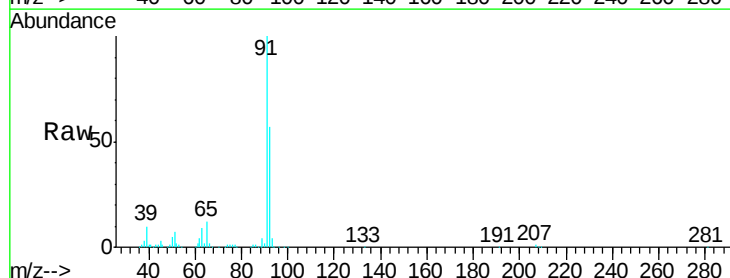
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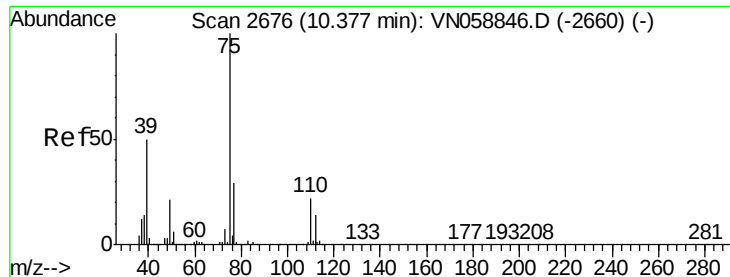
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#52
Toluene
Concen: 21.233 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.0	138.9	208.3





#53

t-1,3-Dichloropropene

Concen: 21.155 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tgt Ion: 75 Resp: 152230

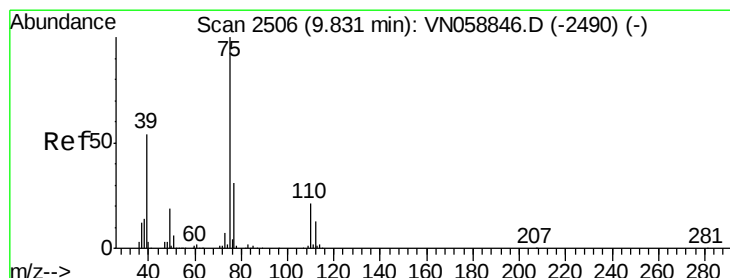
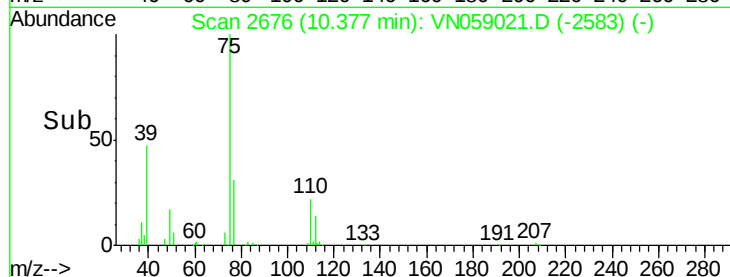
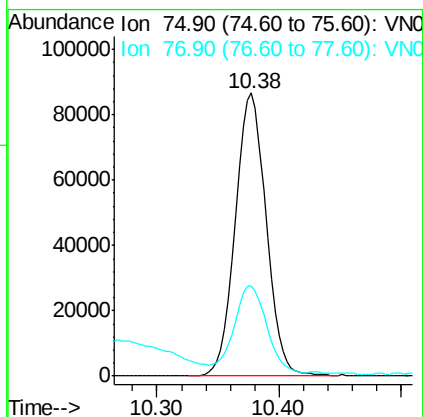
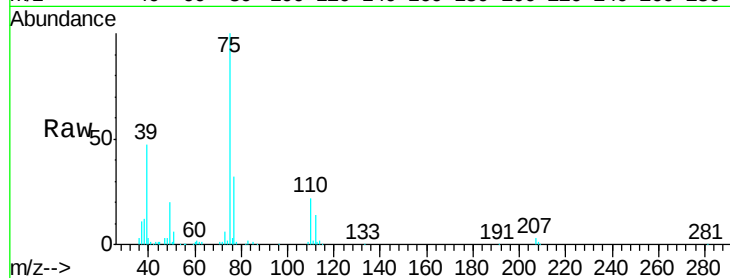
Ion Ratio Lower Upper

75 100

77 30.8 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 21.156 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

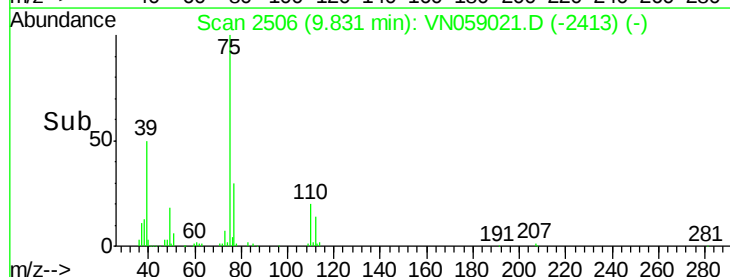
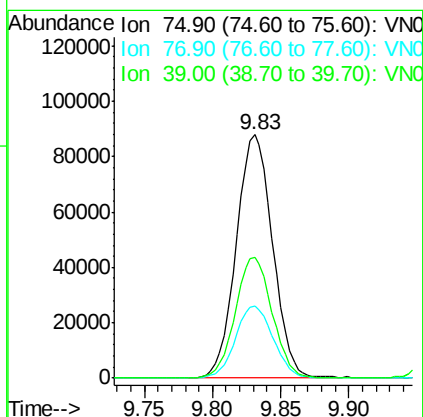
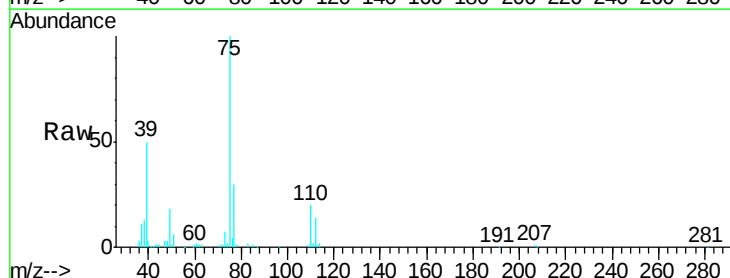
Tgt Ion: 75 Resp: 162641

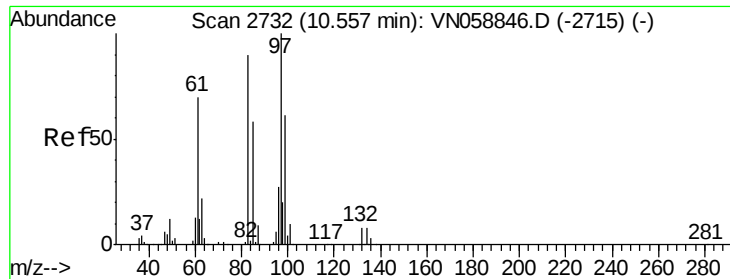
Ion Ratio Lower Upper

75 100

77 29.7 24.7 37.1

39 49.3 43.5 65.3





#55

1,1,2-Trichloroethane

Concen: 21.253 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

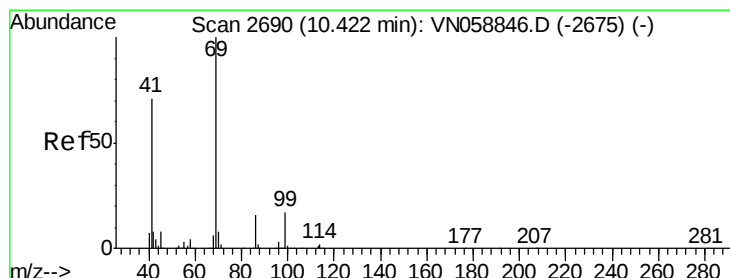
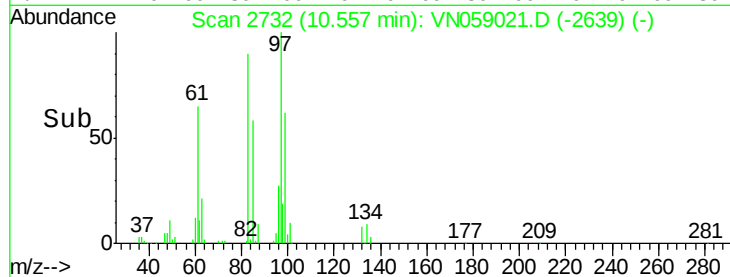
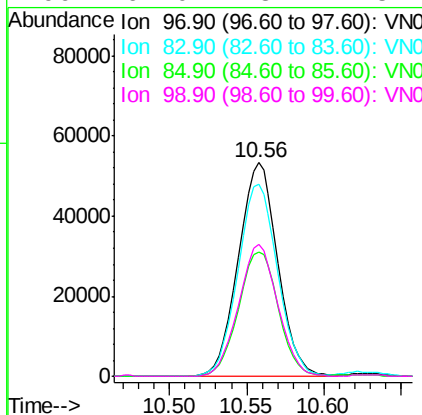
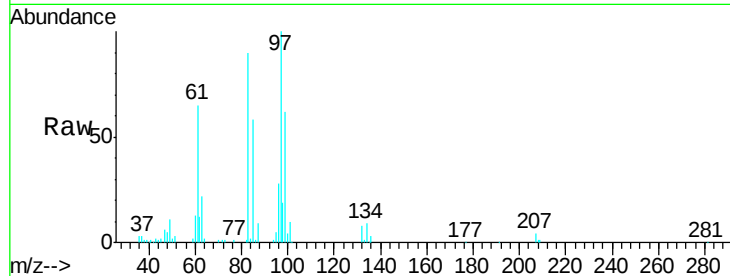
ClientSampleId :

VN1030WBSD01

Tgt Ion:	97	Resp:	94459
Ion	Ratio	Lower	Upper
97	100		
83	89.9	72.2	108.4
85	58.3	46.2	69.2
99	62.0	48.7	73.1

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#56

Ethyl methacrylate

Concen: 20.128 ug/l

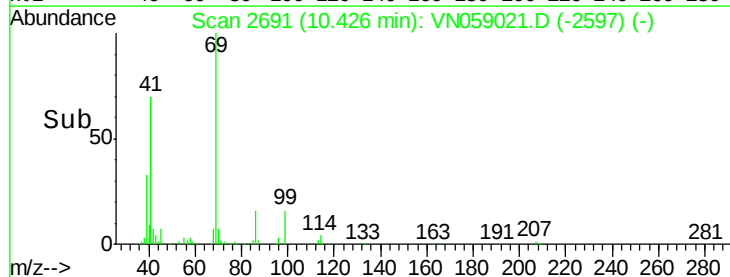
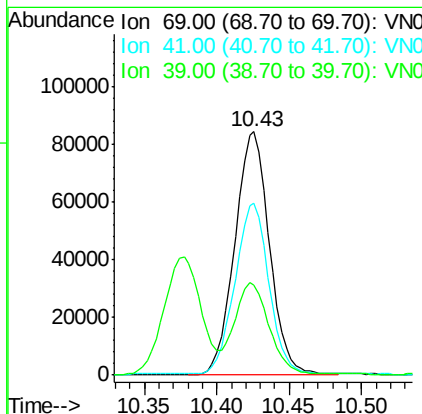
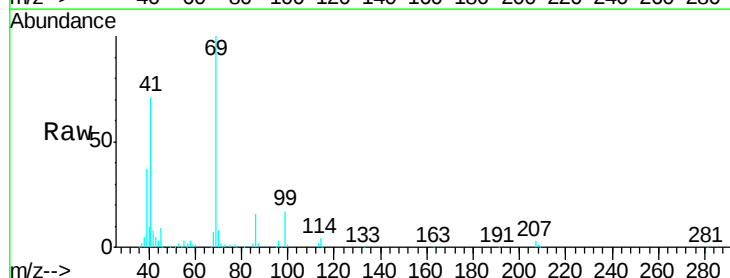
RT: 10.43 min Scan# 2691

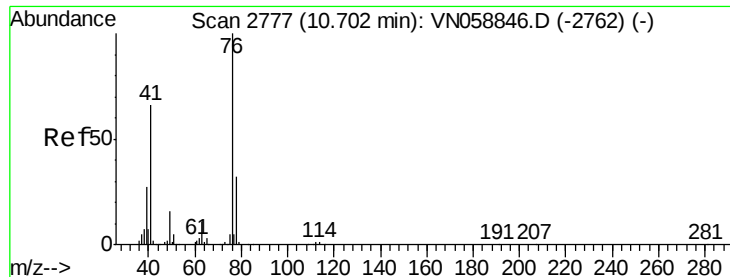
Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Tgt Ion:	69	Resp:	140501
Ion	Ratio	Lower	Upper
69	100		
41	69.0	57.2	85.8
39	37.0	31.0	46.4





#57

1,3-Dichloropropane

Concen: 21.386 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tgt Ion: 76 Resp: 166820

Ion Ratio Lower Upper

76 100

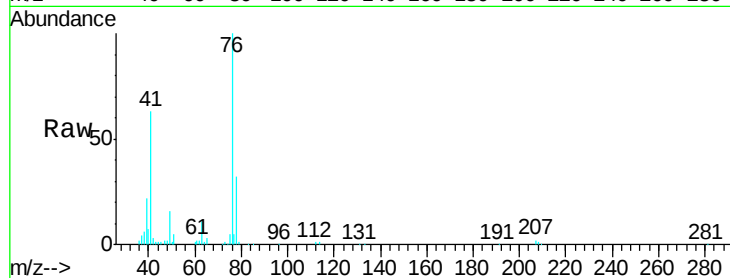
78 32.5 25.4 38.0

Manual Integrations

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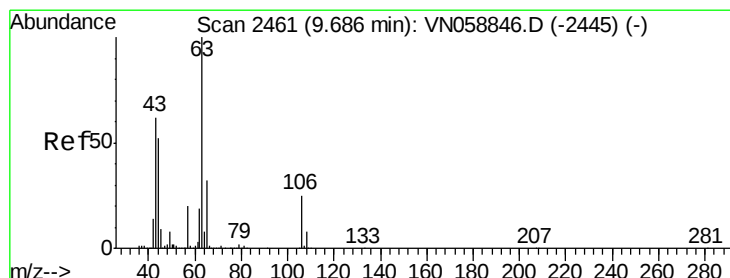
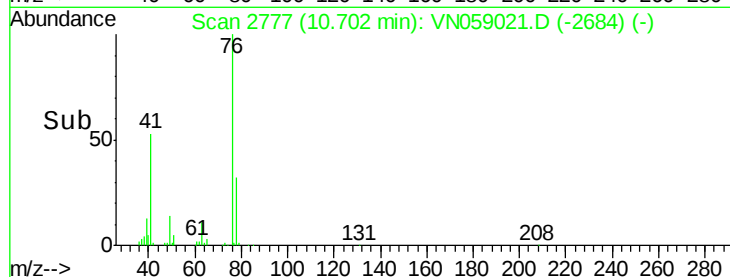
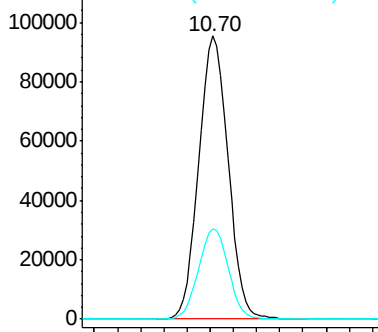
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 99.104 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059021.D

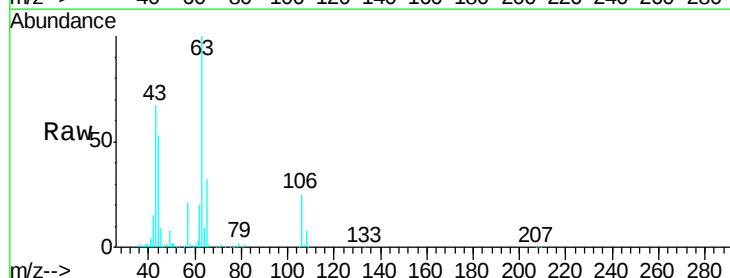
Acq: 30 Oct 2019 11:38

Tgt Ion: 63 Resp: 301404

Ion Ratio Lower Upper

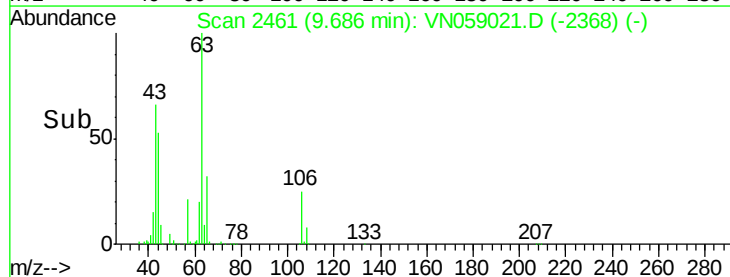
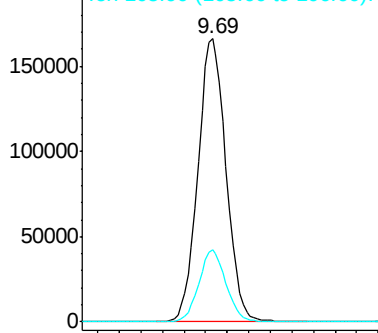
63 100

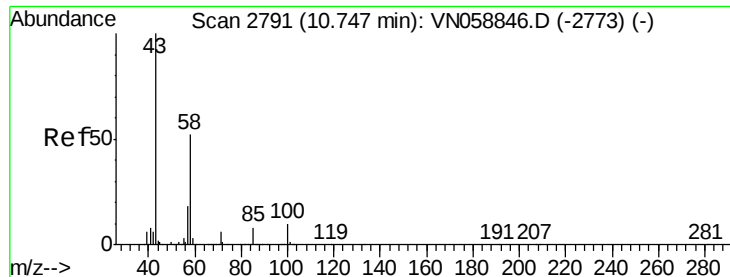
106 24.5 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





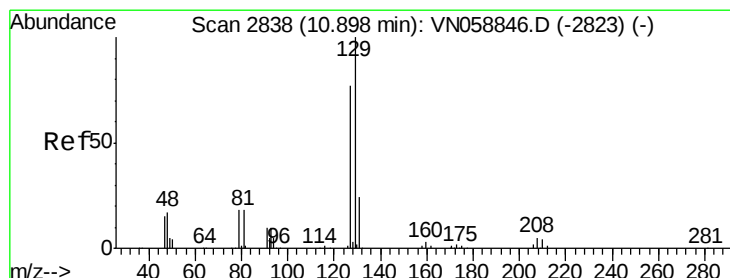
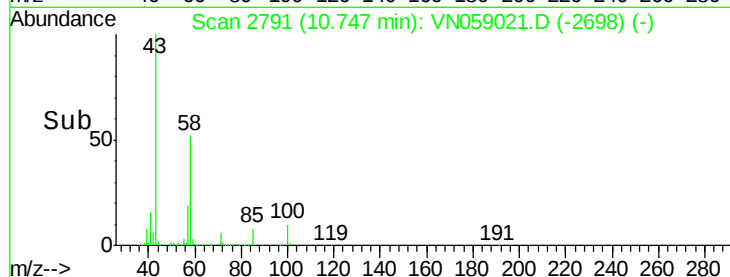
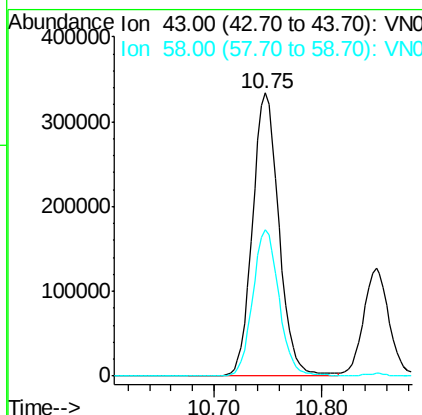
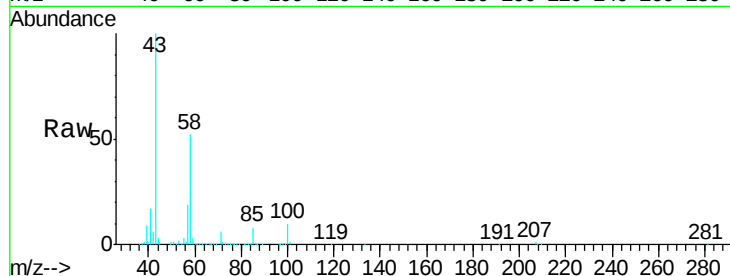
#59
2-Hexanone
Concen: 115.555 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion: 43 Resp: 564671
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.7

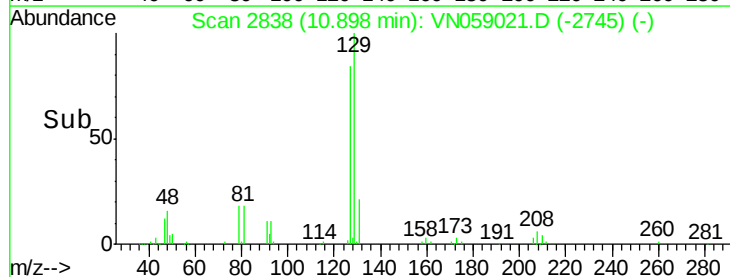
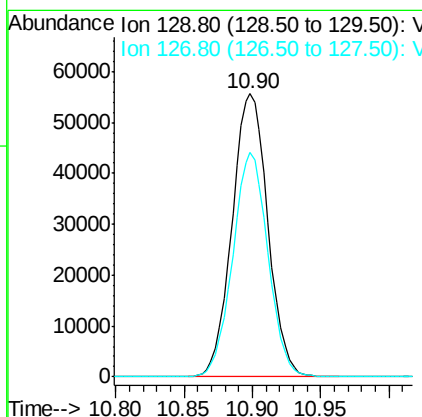
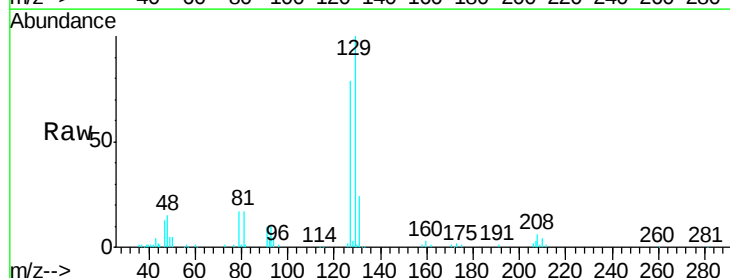
Manual Integrations
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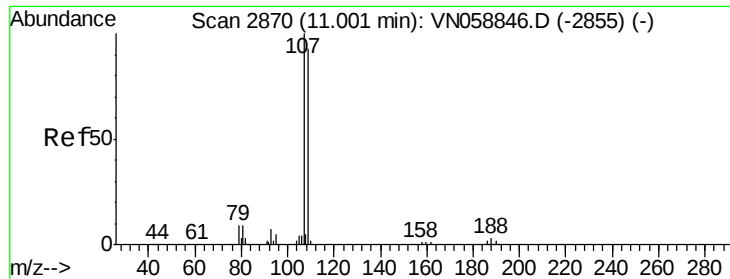
MMDadoda
10/31/2019 3:37:24 PM



#60
Dibromochloromethane
Concen: 21.161 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion: 129 Resp: 101228
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.3





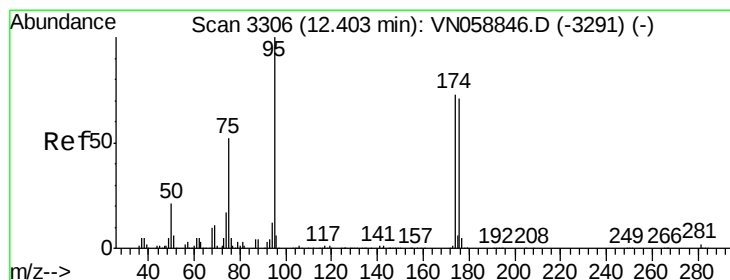
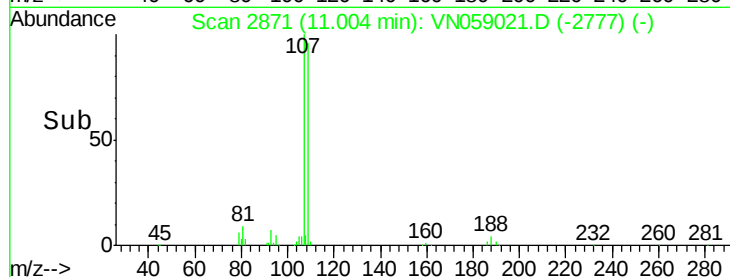
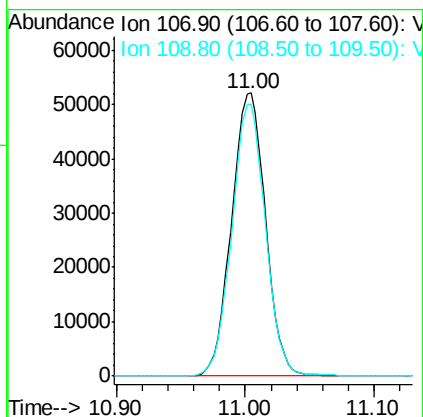
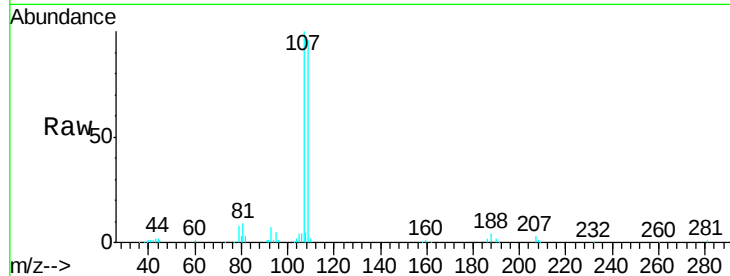
#61
 1,2-Dibromoethane
 Concen: 20.953 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Tgt Ion: 107 Resp: 95300
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.2 112.8

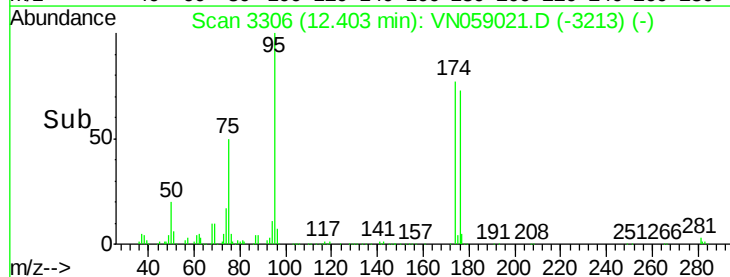
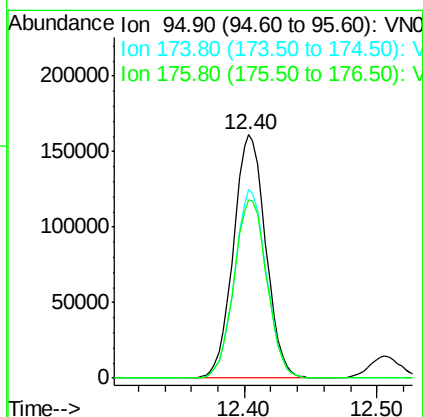
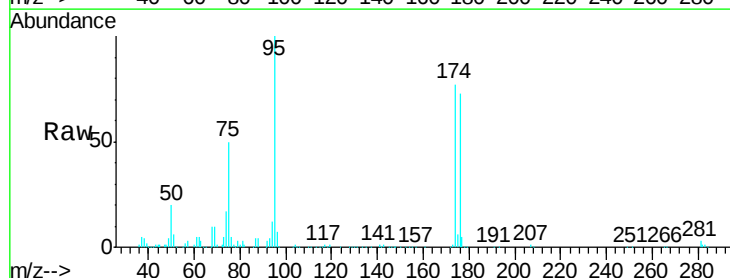
Manual Integrations
 APPROVED

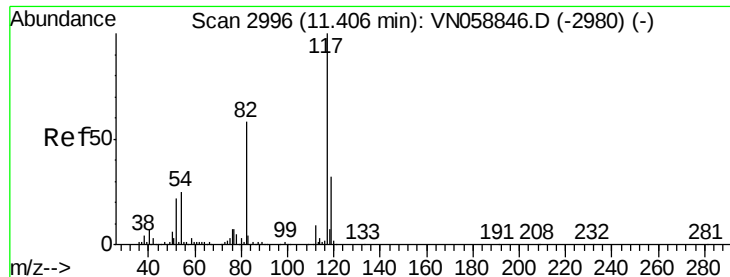
MMDadoda
 10/31/2019 3:37:24 PM



#62
 4-Bromofluorobenzene
 Concen: 47.971 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Tgt Ion: 95 Resp: 272077
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 147.6
 176 74.5 0.0 143.2





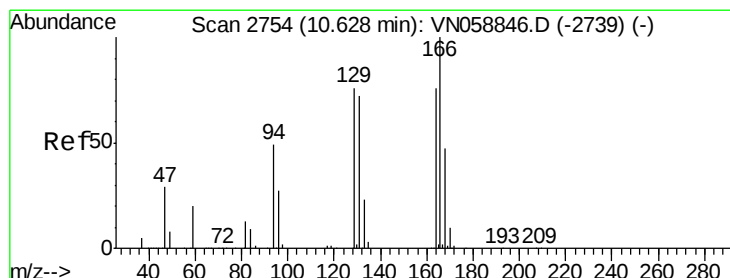
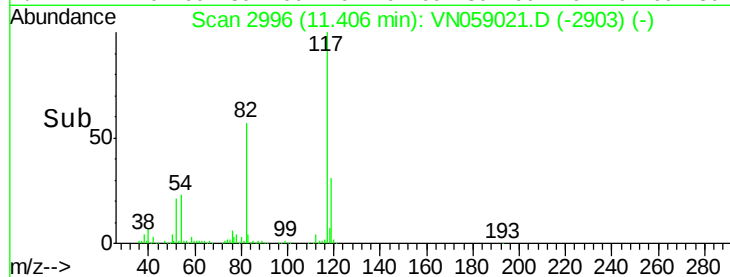
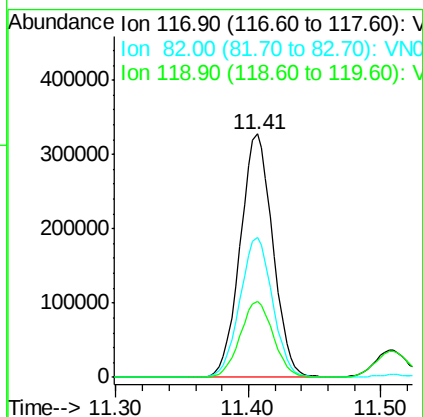
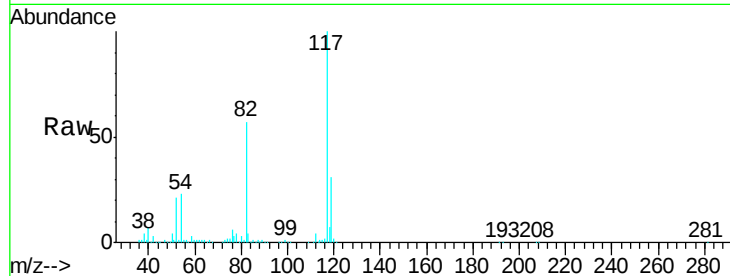
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	57.3	46.6	69.8
119	31.2	25.6	38.4

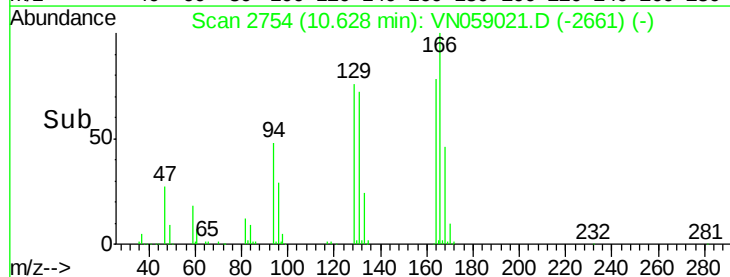
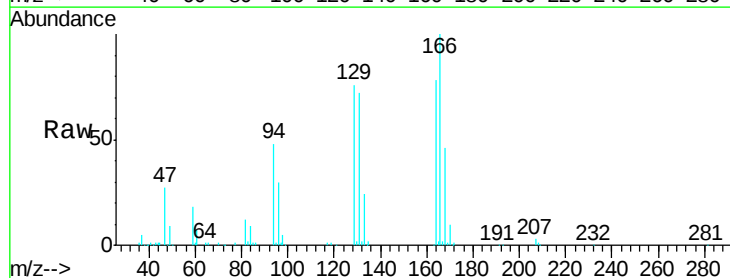
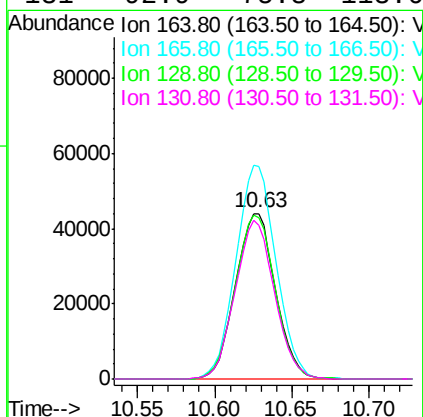
Manual Integrations
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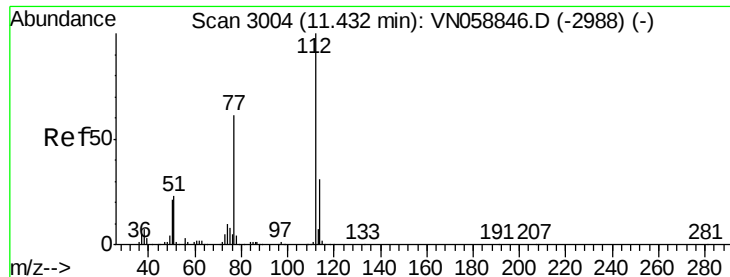
MMDadoda
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#64
Tetrachloroethene
Concen: 20.104 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	128.3	104.8	157.2
129	97.7	79.3	118.9
131	92.9	75.8	113.6





#65

Chlorobenzene

Concen: 21.070 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tgt Ion:112 Resp: 240475

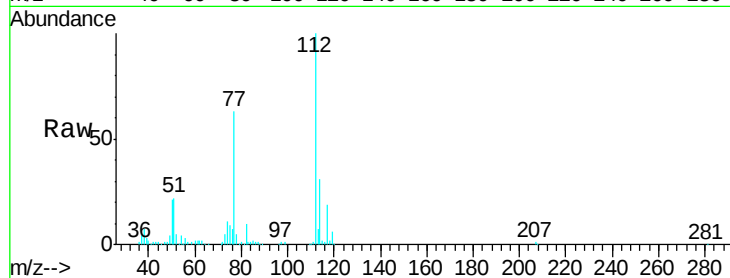
Ion Ratio Lower Upper

112 100

114 31.0 25.1 37.7

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

150000

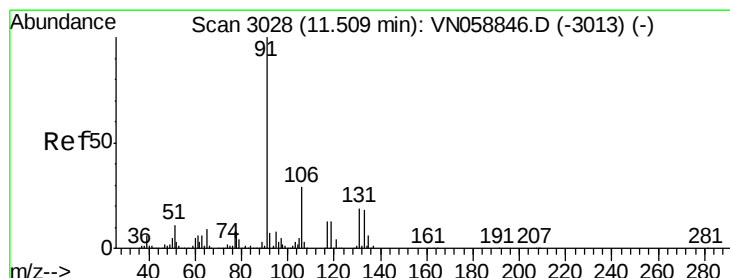
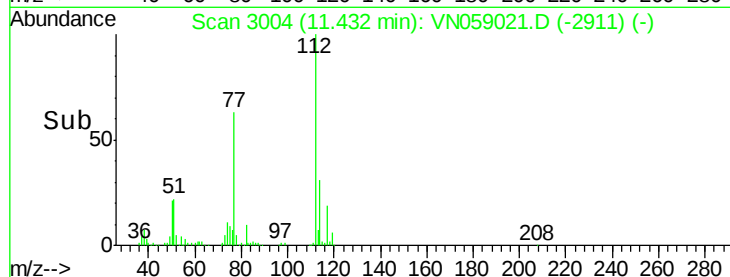
100000

50000

0

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.916 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

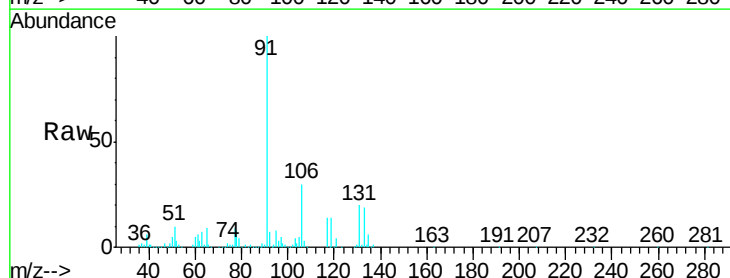
Tgt Ion:131 Resp: 94389

Ion Ratio Lower Upper

131 100

133 94.8 48.4 145.2

119 66.2 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

60000

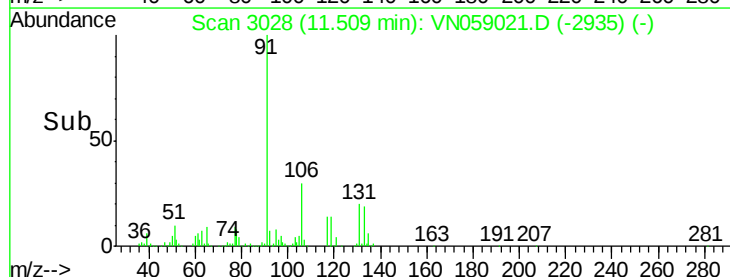
40000

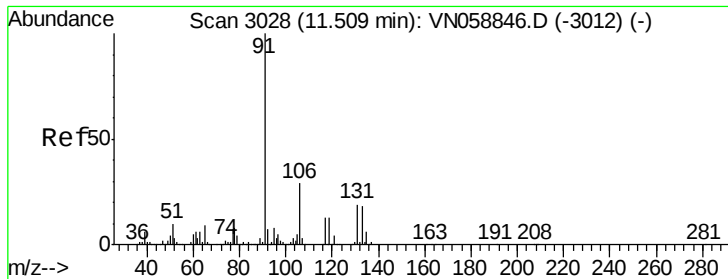
20000

0

11.45 11.50 11.55

Time-->





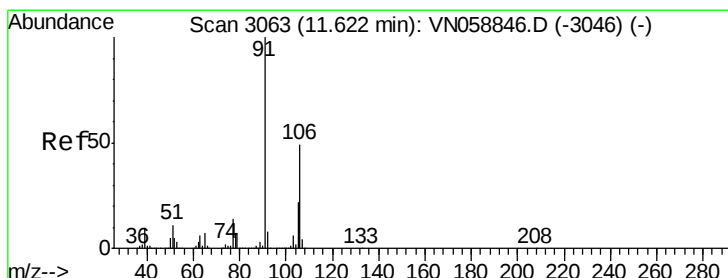
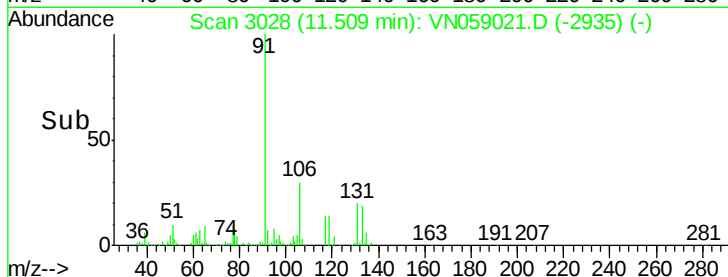
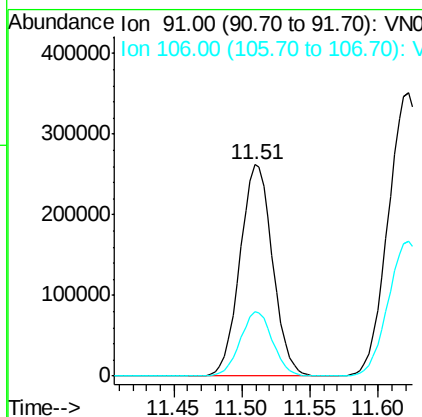
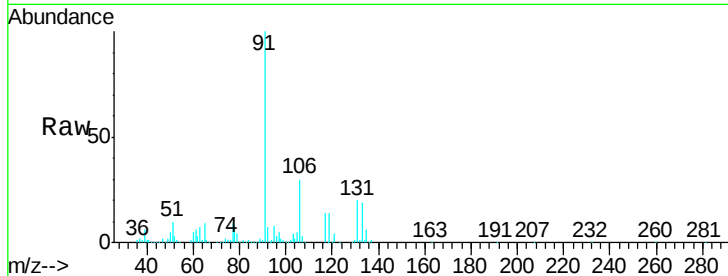
#67
Ethyl Benzene
Concen: 21.727 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion: 91 Resp: 434993
Ion Ratio Lower Upper
91 100
106 30.2 23.4 35.0

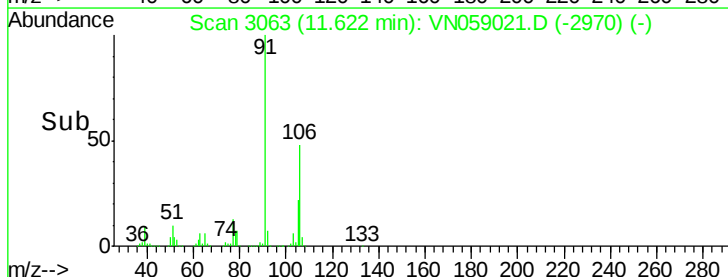
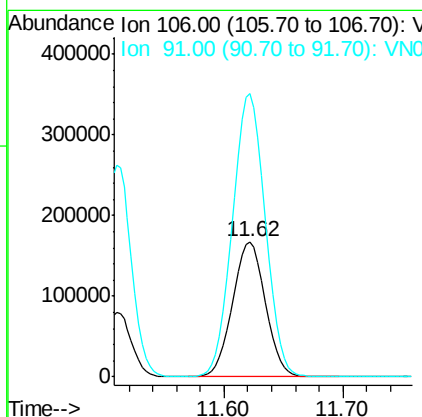
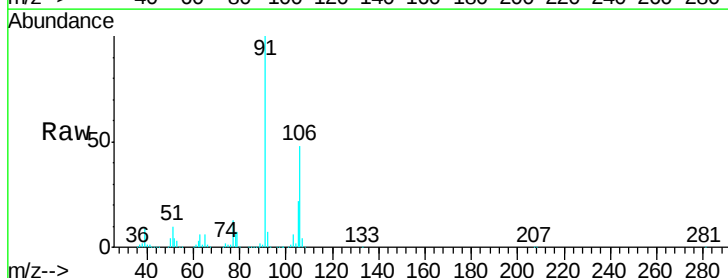
Manual Integrations
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#68
m/p-Xylenes
Concen: 43.066 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion: 106 Resp: 319754
Ion Ratio Lower Upper
106 100
91 210.3 166.6 249.8





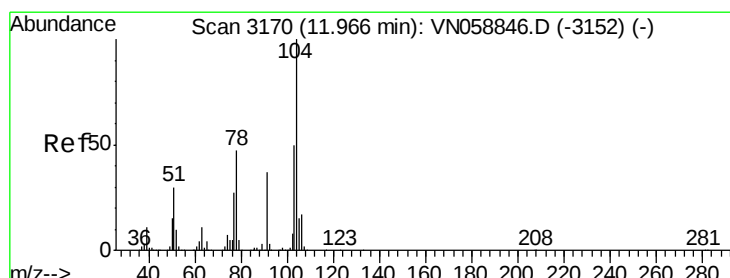
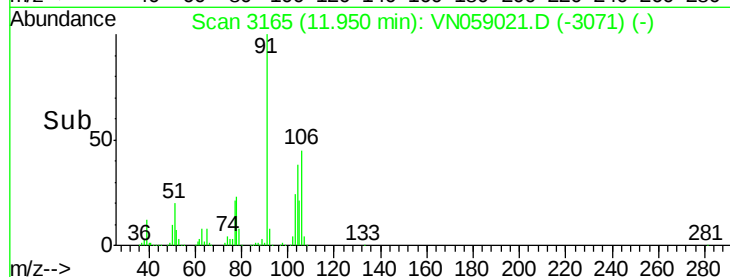
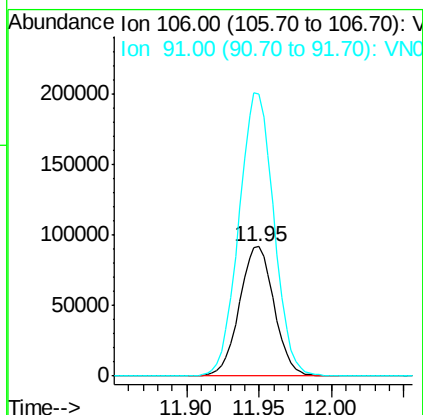
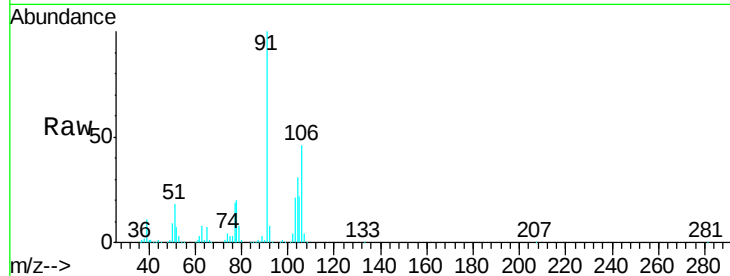
#69
o-Xylene
Concen: 21.523 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion:106 Resp: 152411
Ion Ratio Lower Upper
106 100
91 221.4 111.5 334.4

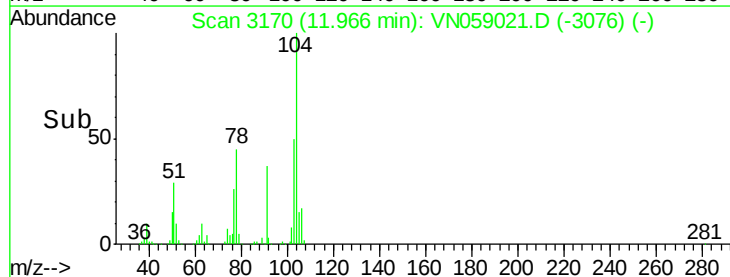
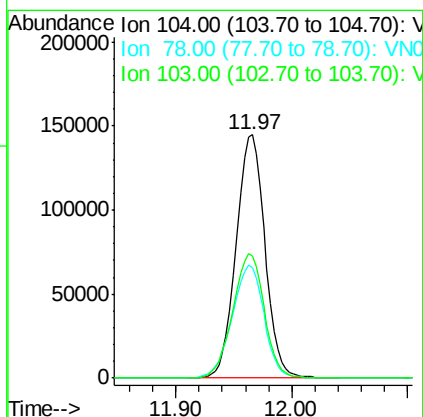
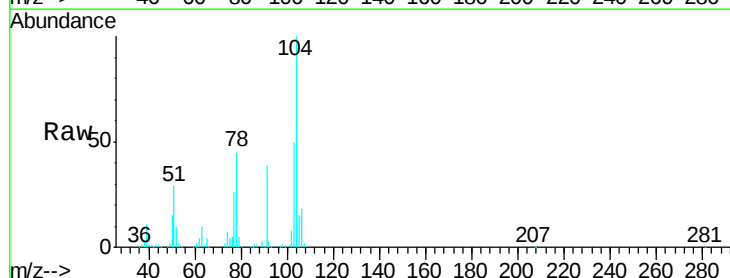
Manual Integrations
APPROVED

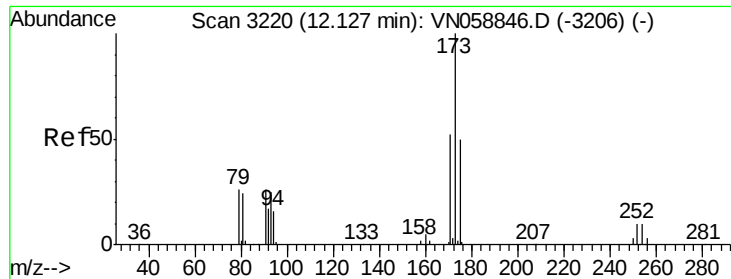
MMDadoda
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#70
Styrene
Concen: 20.149 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion:104 Resp: 249517
Ion Ratio Lower Upper
104 100
78 51.2 42.8 64.2
103 56.0 44.3 66.5





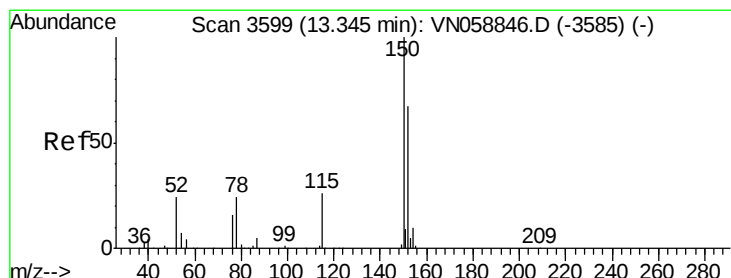
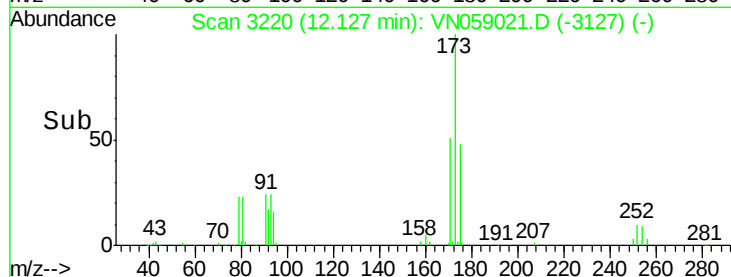
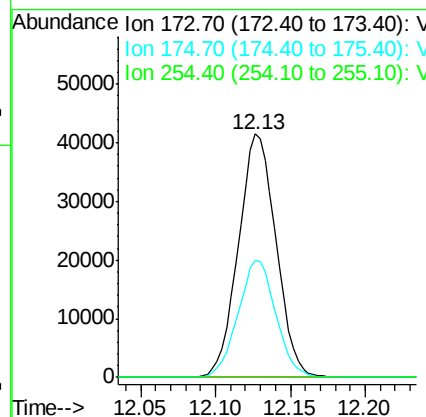
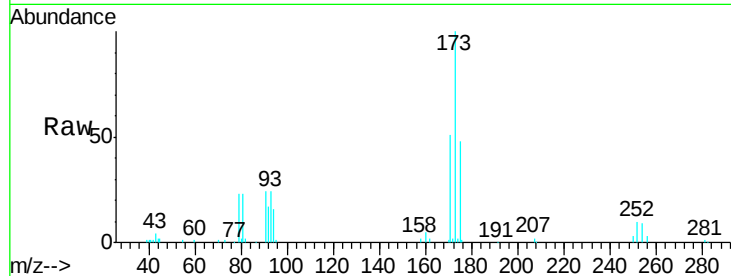
#71
Bromoform
Concen: 21.695 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.7	74.1
254	0.0	0.0	0.0

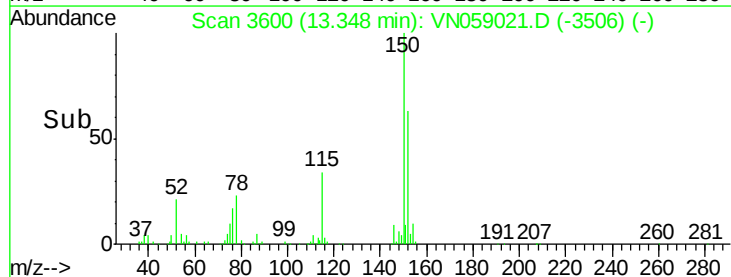
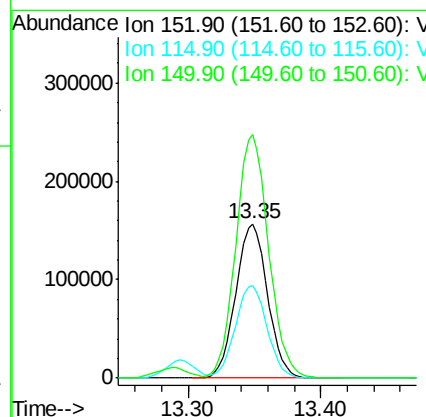
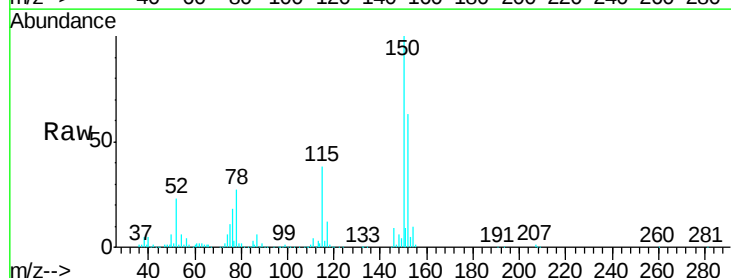
Manual Integrations
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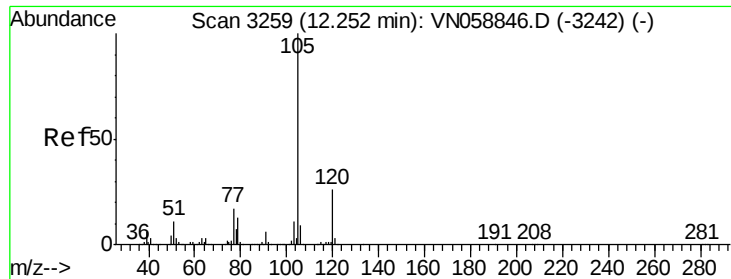
MMDadoda
10/31/2019 3:37:24 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.5	91.5
150	163.2	0.0	344.4





#73

Isopropylbenzene

Concen: 21.958 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tgt Ion: 105 Resp: 417486

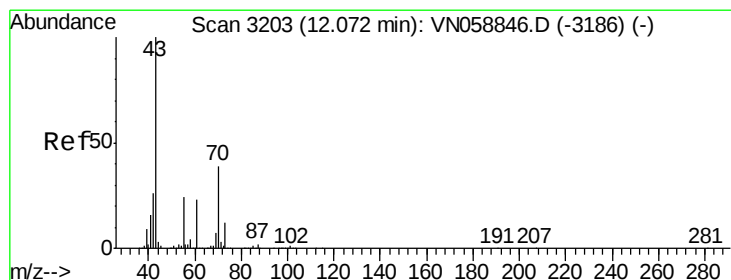
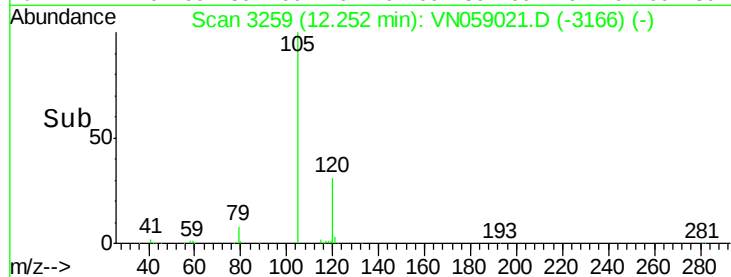
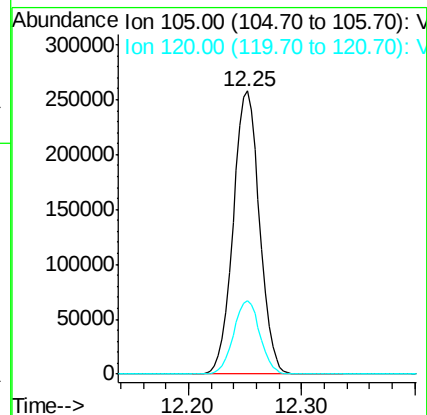
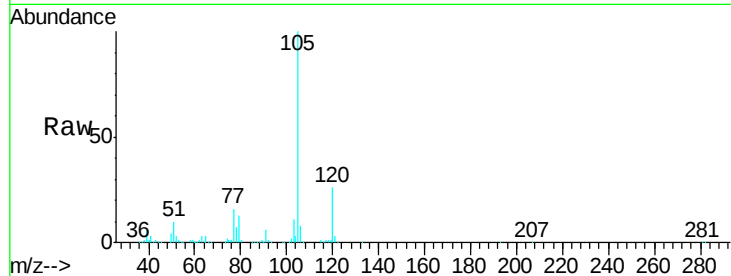
Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 21.947 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Tgt Ion: 43 Resp: 189177

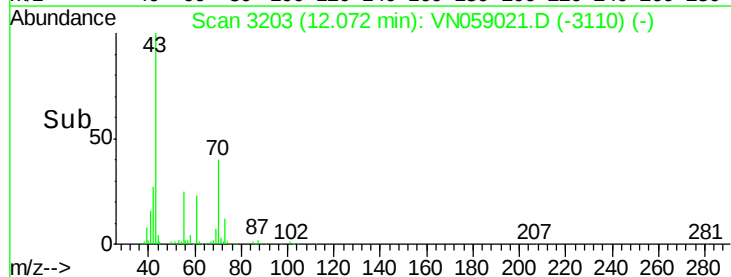
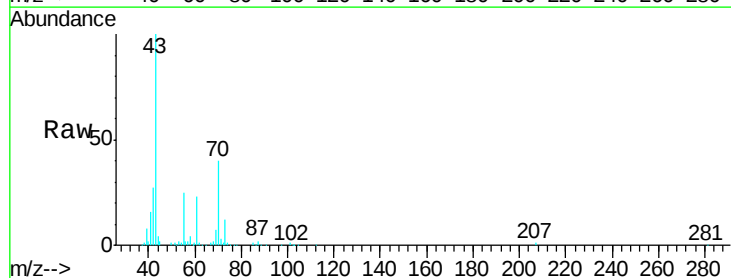
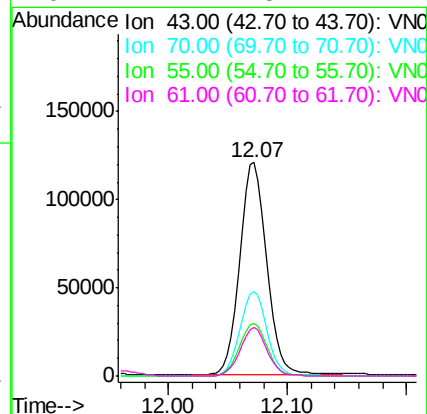
Ion Ratio Lower Upper

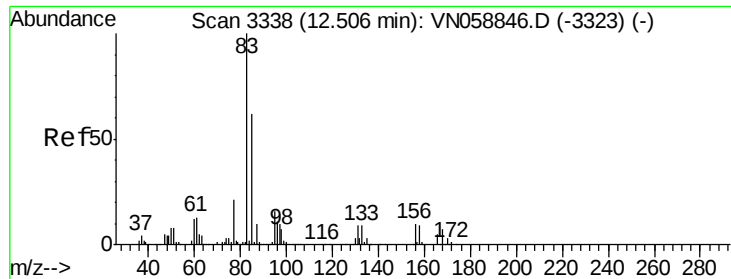
43 100

70 39.8 30.9 46.3

55 25.6 19.7 29.5

61 22.7 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.359 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tgt Ion: 83 Resp: 149478

Ion Ratio Lower Upper

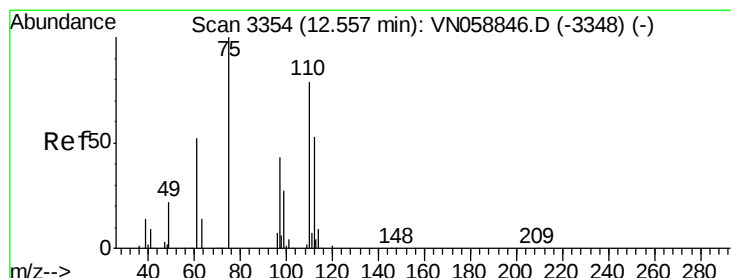
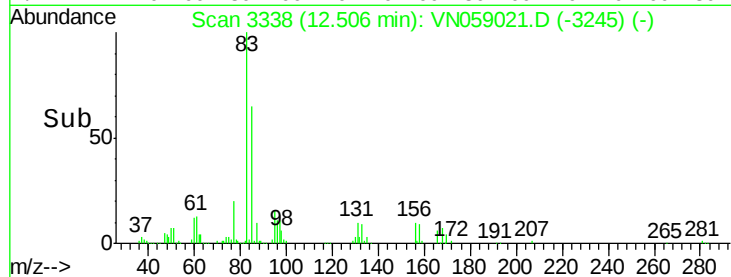
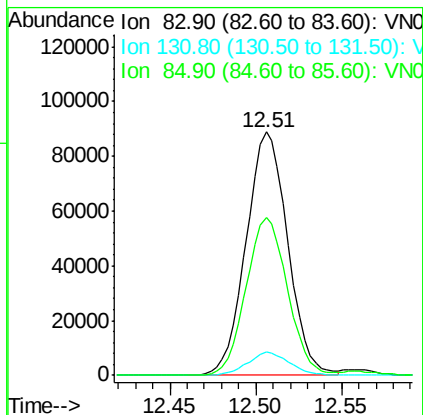
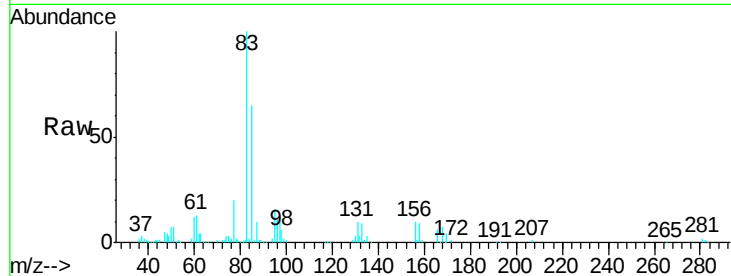
83 100

131 9.6 4.7 14.1

85 64.4 31.7 95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.599 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN059021.D

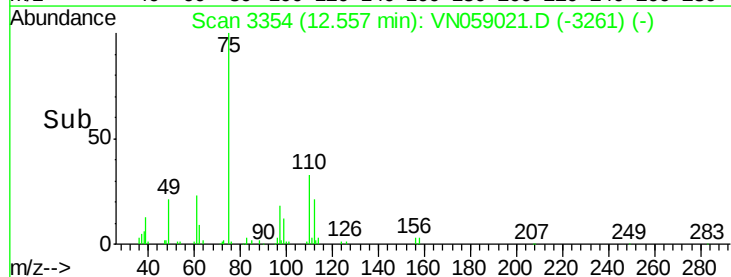
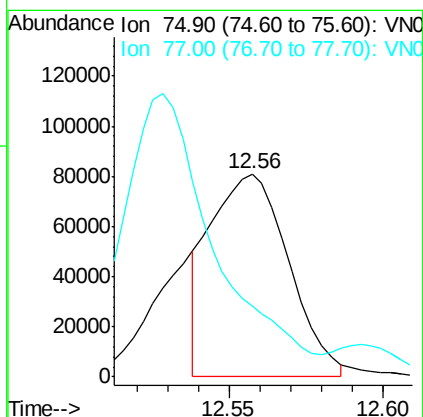
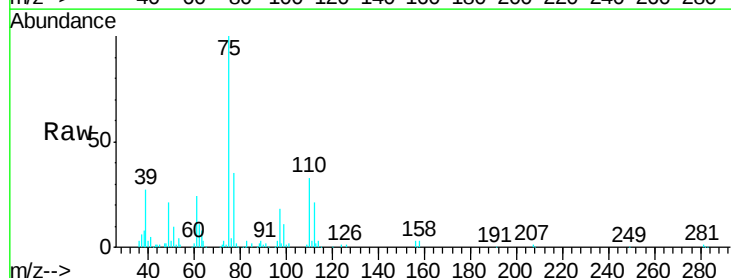
Acq: 30 Oct 2019 11:38

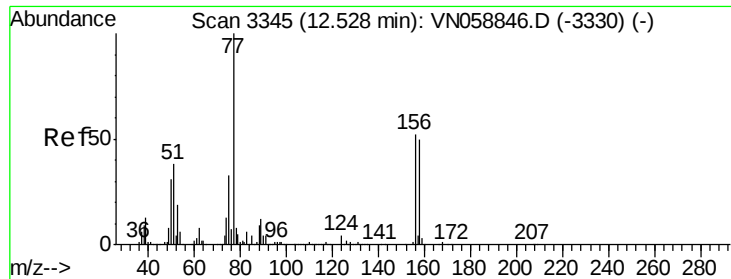
Tgt Ion: 75 Resp: 142289

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.674 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

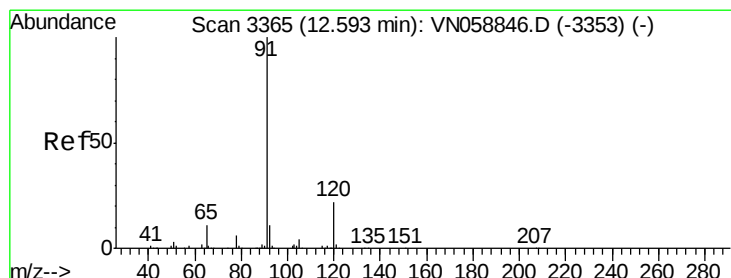
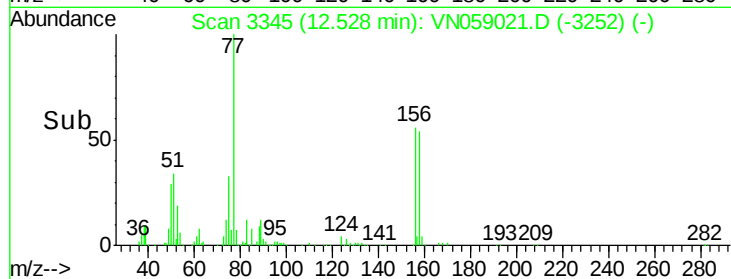
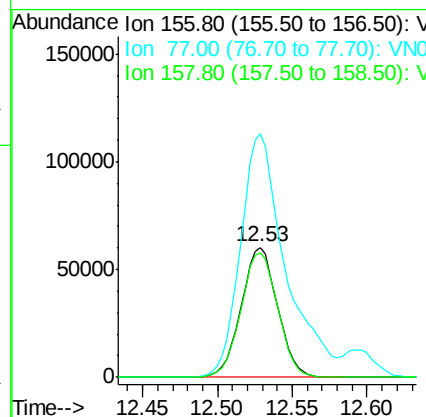
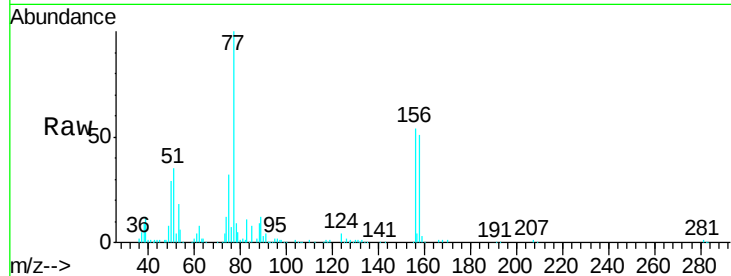
ClientSampleId :

VN1030WBSD01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	232.6	118.0	354.0
158	97.5	48.3	144.8

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#78

n-propylbenzene

Concen: 21.567 ug/l

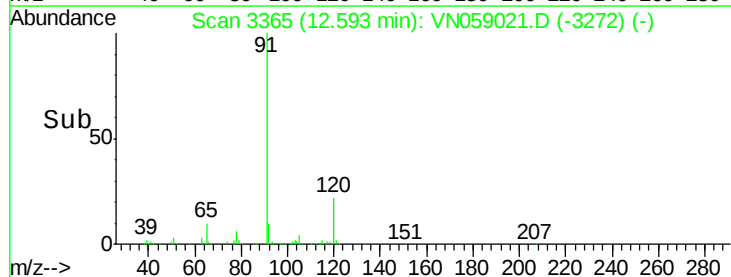
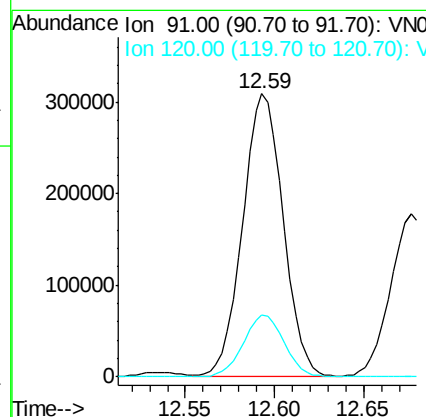
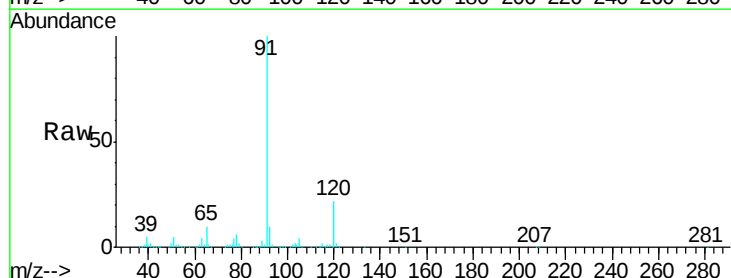
RT: 12.59 min Scan# 3365

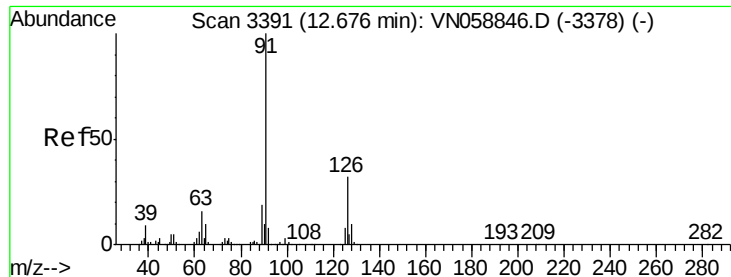
Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.1





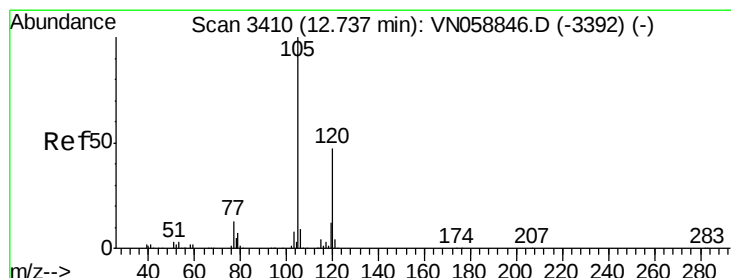
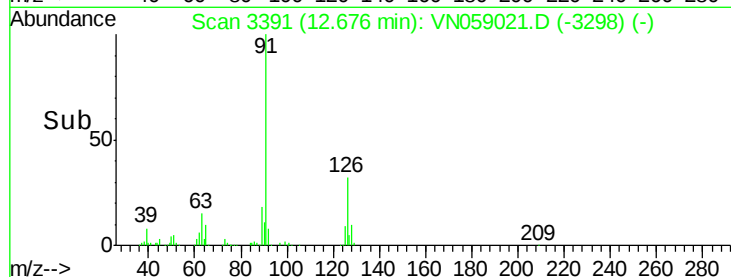
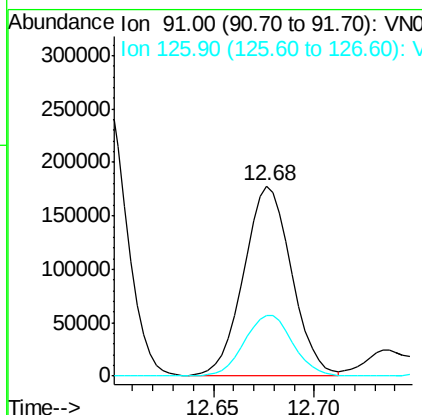
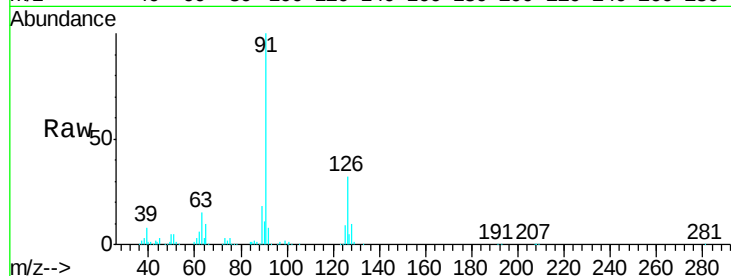
#79
2-Chlorotoluene
Concen: 21.315 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion: 91 Resp: 293189
Ion Ratio Lower Upper
91 100
126 32.8 16.2 48.6

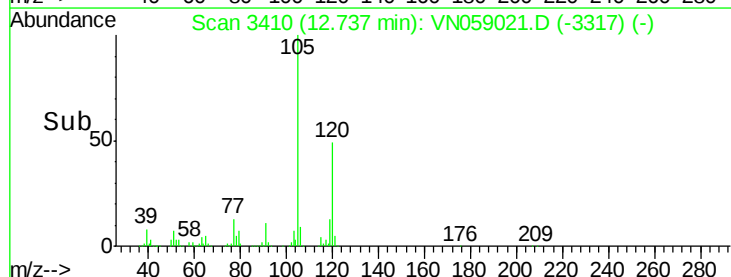
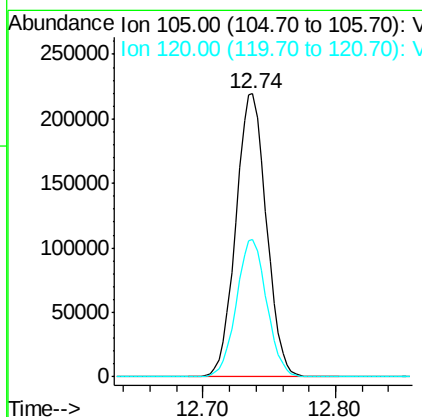
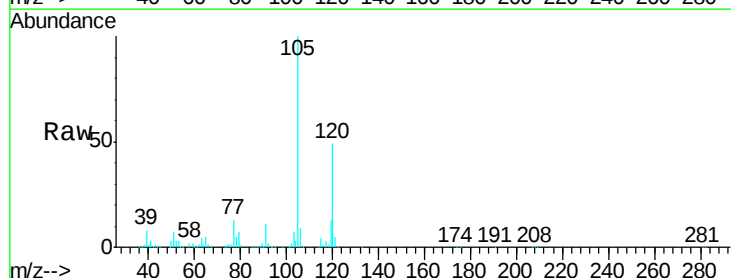
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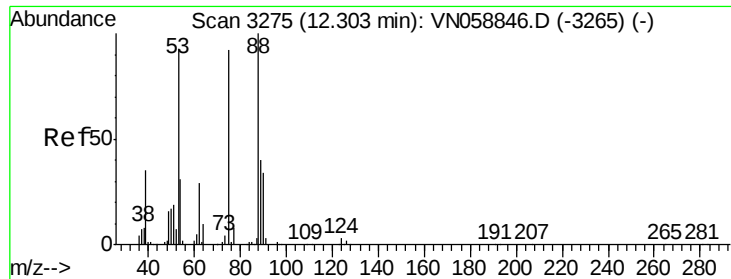
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.894 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion: 105 Resp: 349745
Ion Ratio Lower Upper
105 100
120 48.3 23.8 71.5





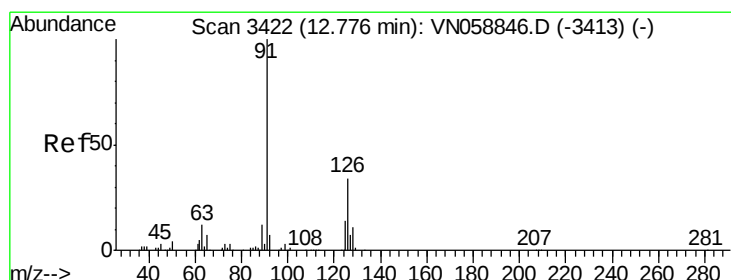
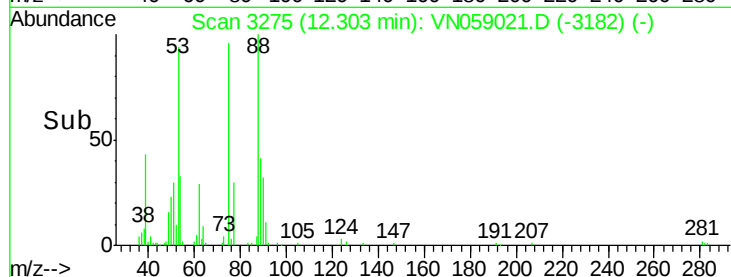
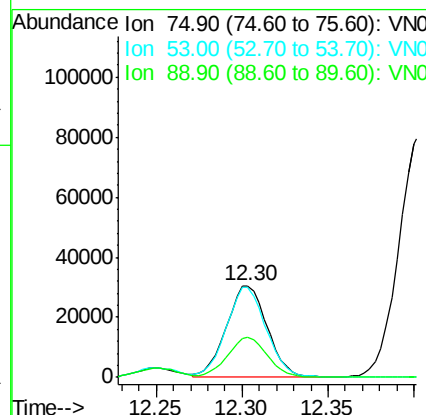
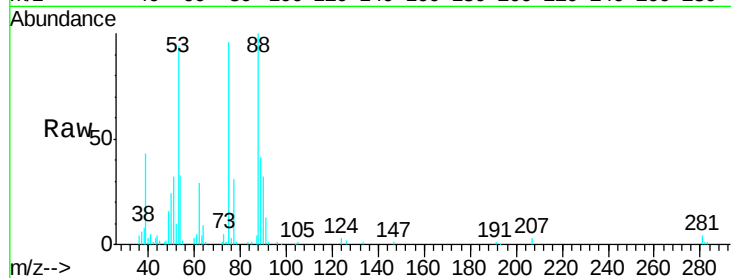
#81
trans-1,4-Dichloro-2-butene
Concen: 21.900 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	96.7	78.6	118.0
89	42.3	35.4	53.0

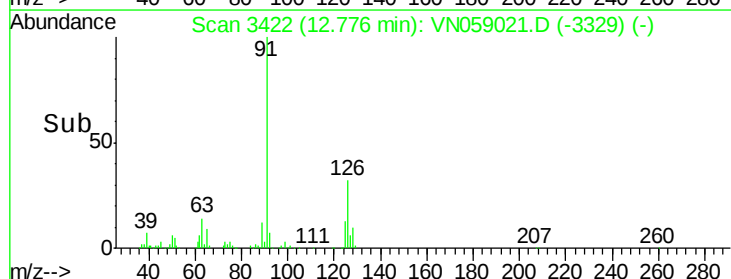
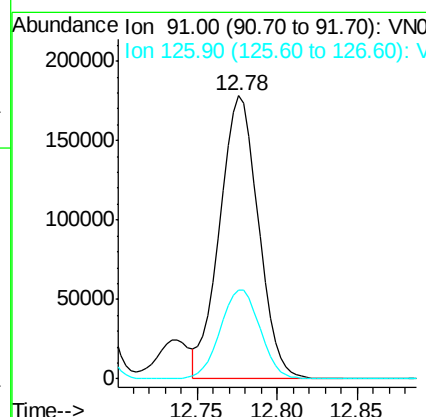
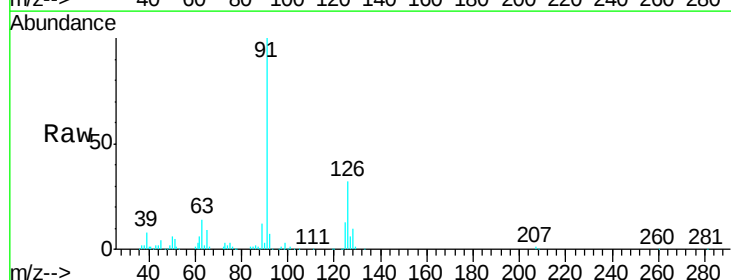
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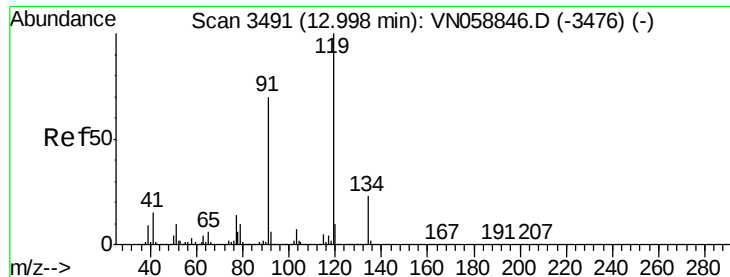
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#82
4-Chlorotoluene
Concen: 21.038 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.0	47.9





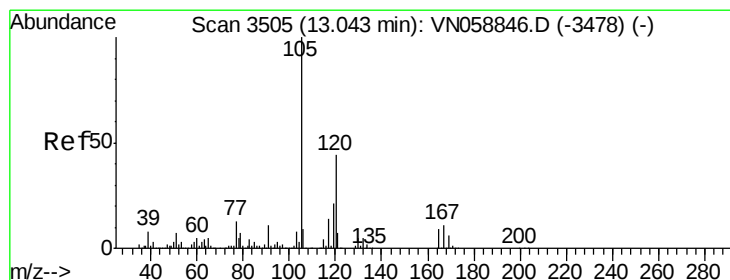
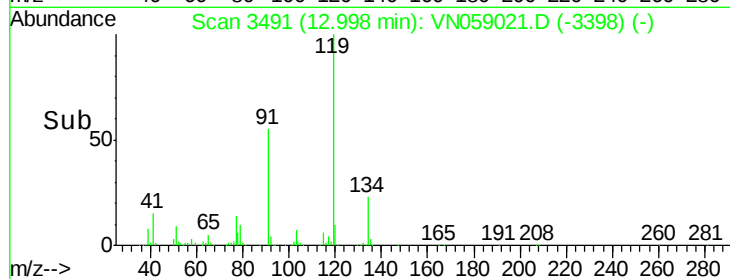
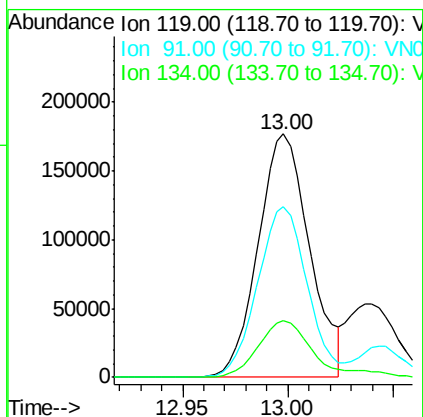
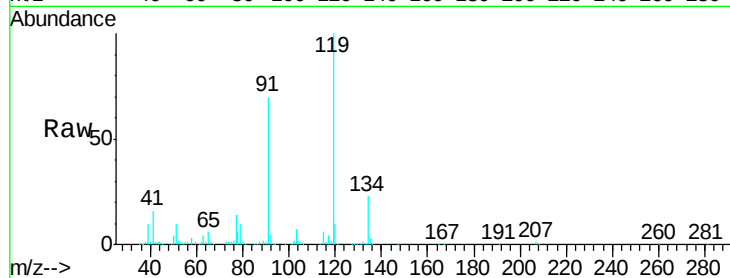
#83
 tert-Butylbenzene
 Concen: 21.971 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.1	102.3
134	25.3	11.6	34.8

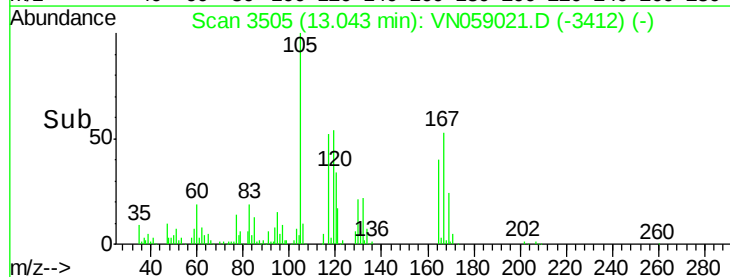
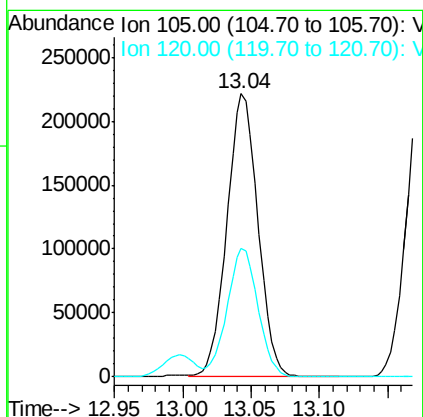
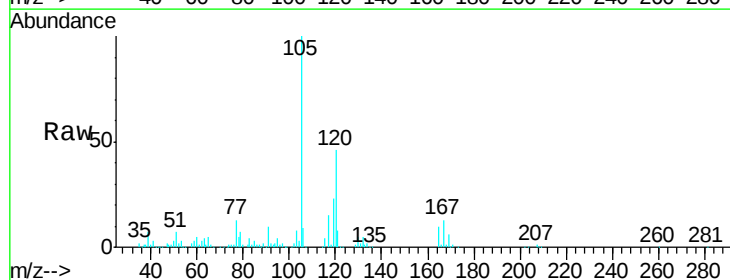
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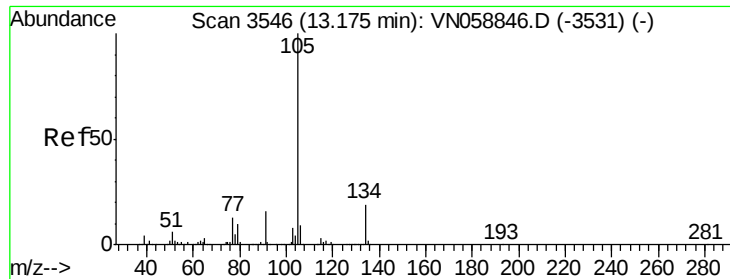
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.114 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	21.9	65.8





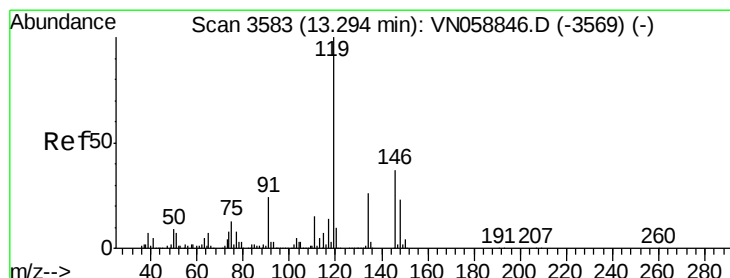
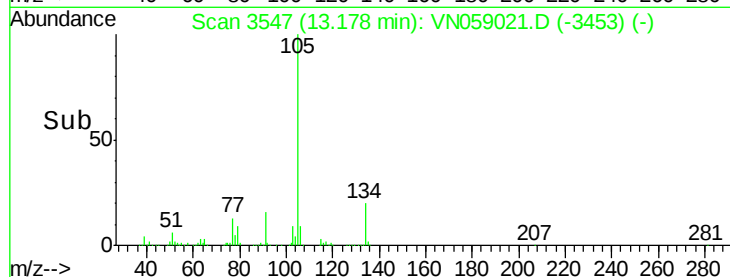
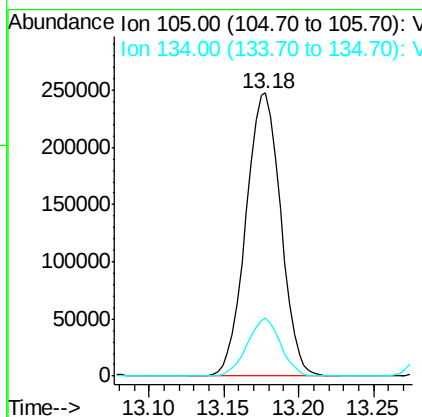
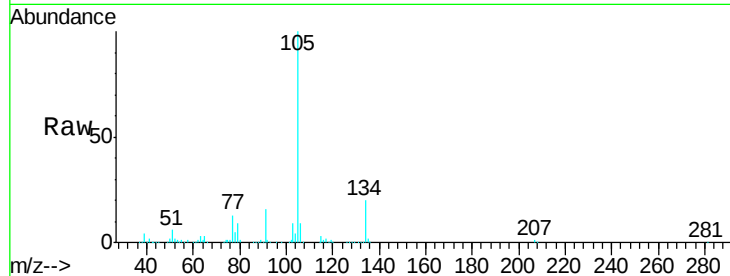
#85
 sec-Butylbenzene
 Concen: 21.981 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	400324		
134	19.8	9.4	28.2	

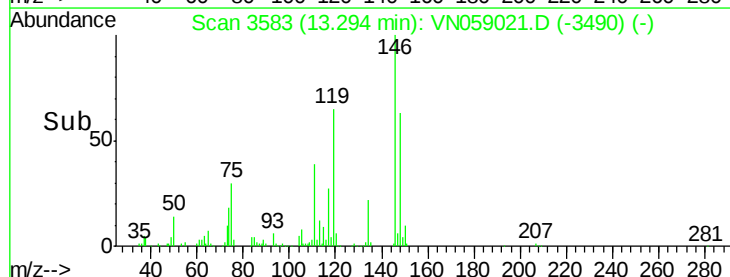
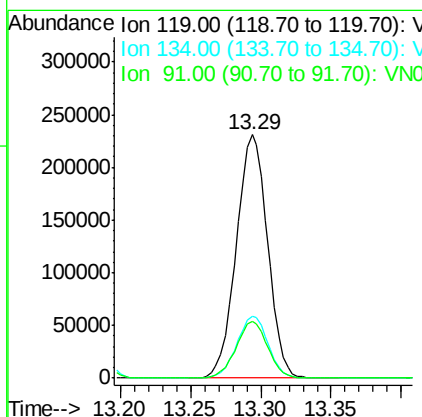
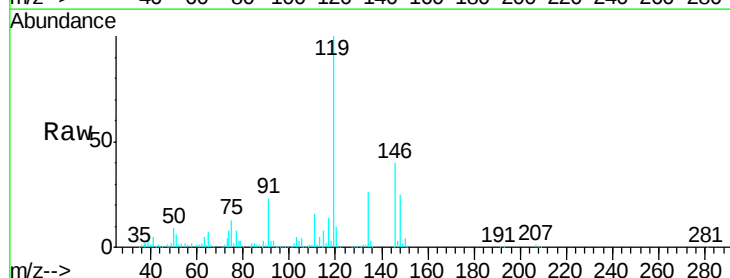
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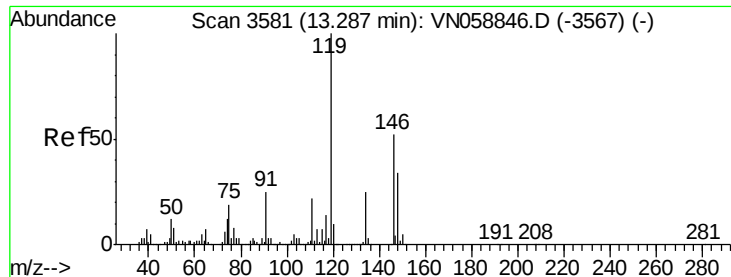
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#86
 p-Isopropyltoluene
 Concen: 22.287 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	358141		
134	25.5	12.8	38.4	
91	23.7	12.2	36.4	





#87

1,3-Dichlorobenzene

Concen: 21.505 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

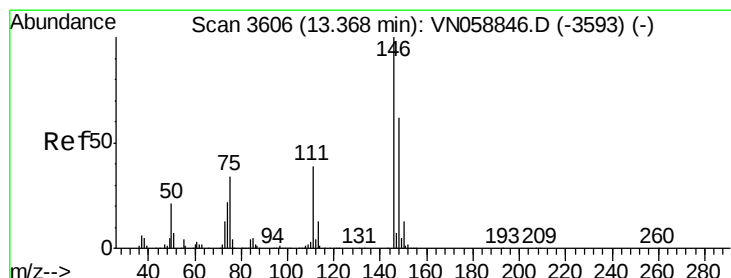
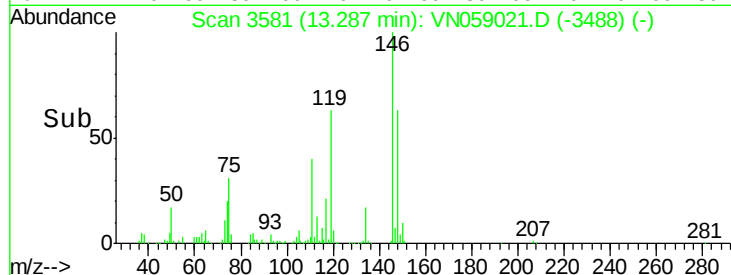
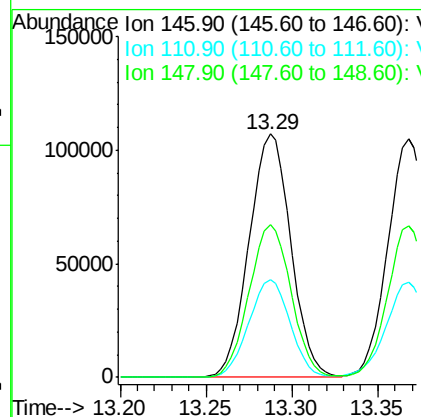
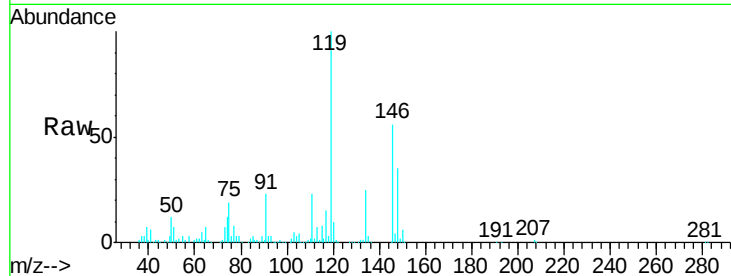
ClientSampleId :

VN1030WBSD01

Tgt Ion:	146	Resp:	180199
Ion Ratio	Lower	Upper	
146	100		
111	39.8	21.0	63.0
148	63.4	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.830 ug/l

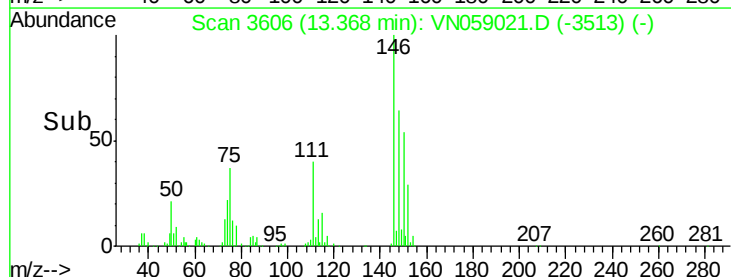
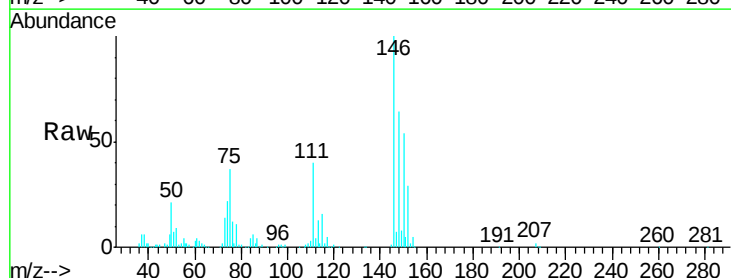
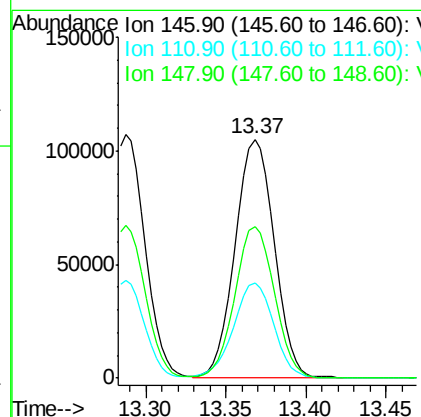
RT: 13.37 min Scan# 3606

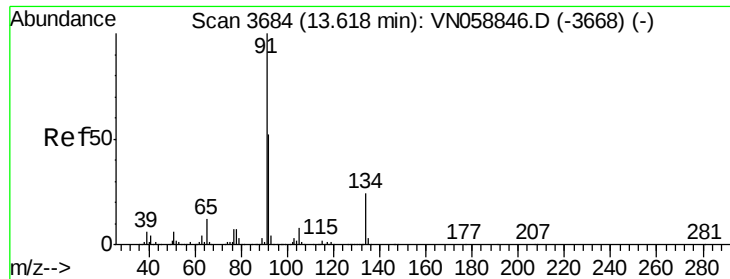
Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Tgt Ion:	146	Resp:	174756
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.2	60.6
148	64.3	31.6	94.7





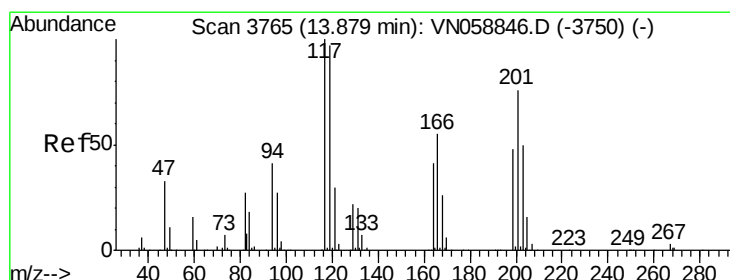
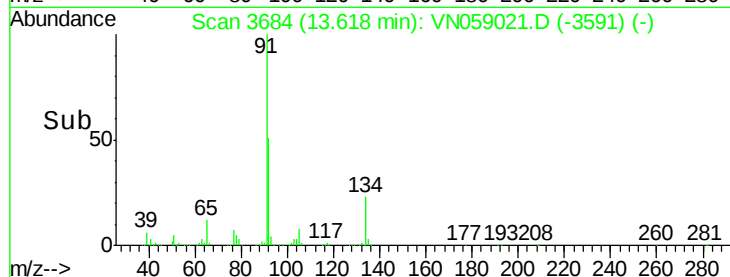
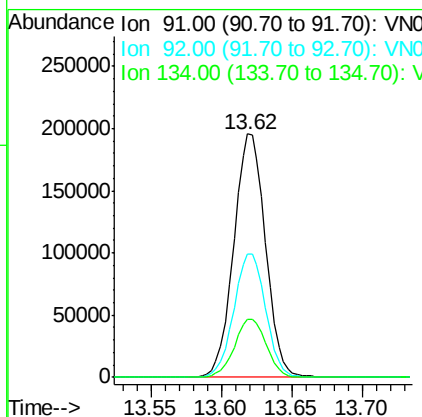
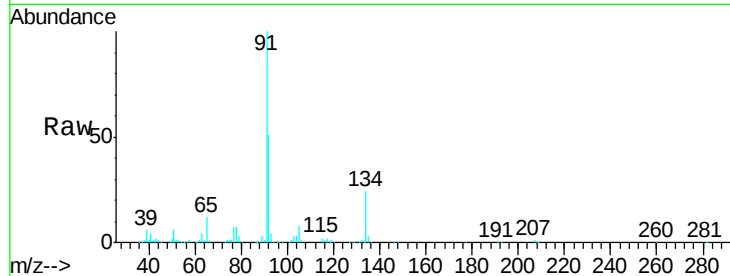
#89
n-Butylbenzene
Concen: 20.853 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.7	77.1
134	24.2	11.9	35.5

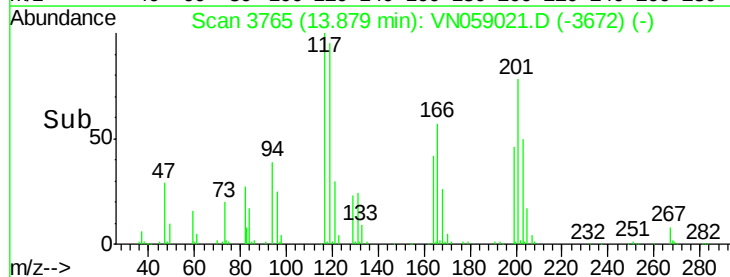
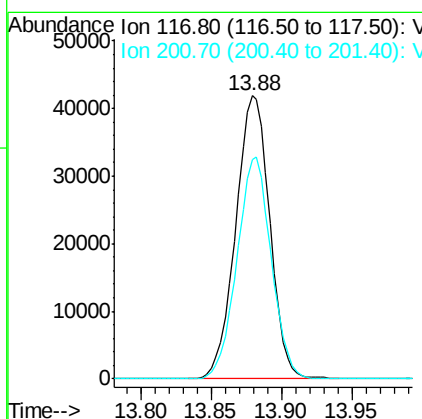
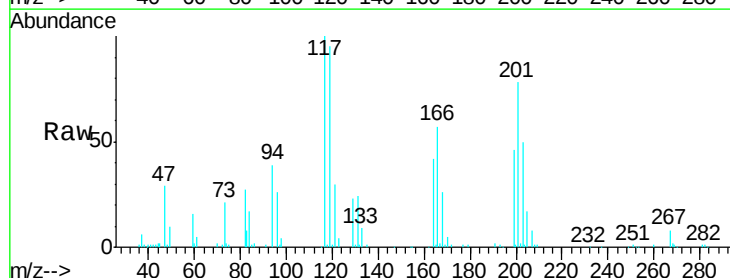
Manual Integrations
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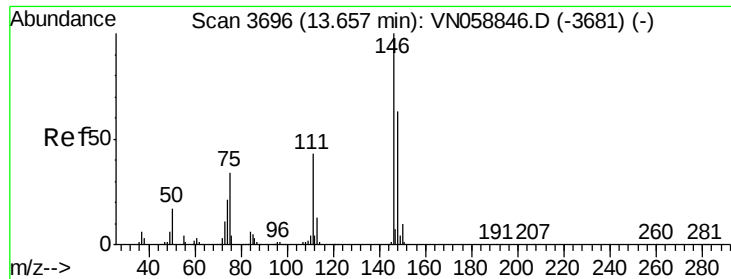
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#90
Hexachloroethane
Concen: 21.783 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.6	38.9	116.6





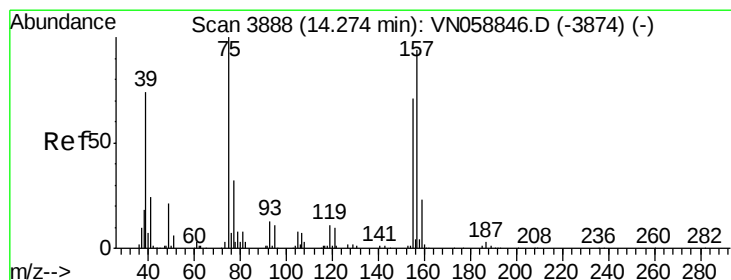
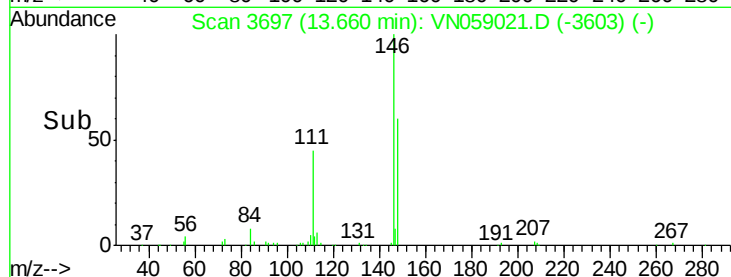
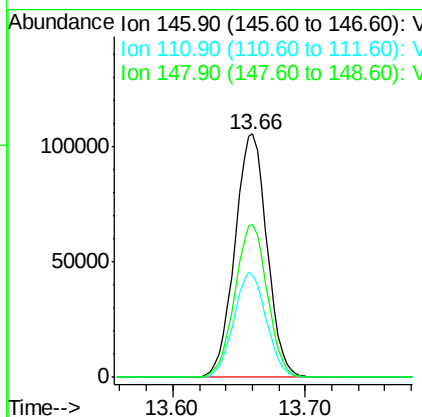
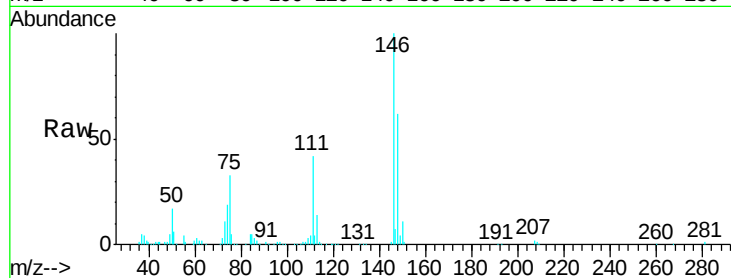
#91
 1,2-Dichlorobenzene
 Concen: 21.582 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.8
148	63.5	31.9	95.9

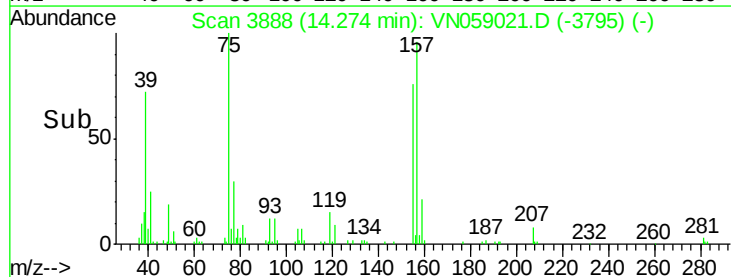
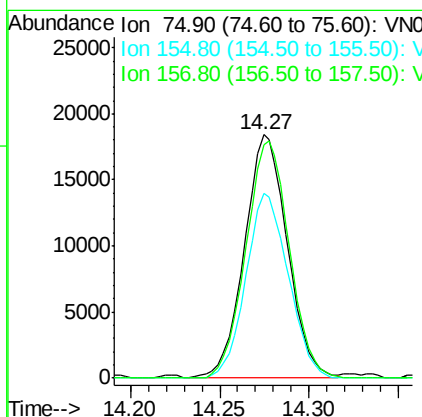
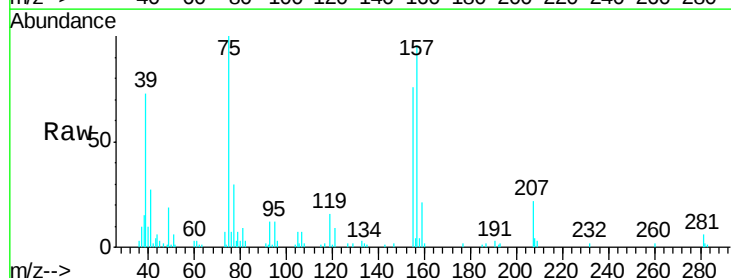
Manual Integrations
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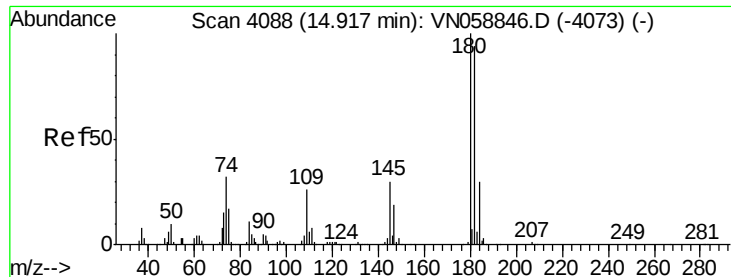
MMDadoda
 10/31/2019 3:37:24 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.542 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.8	35.6	106.8
157	98.3	47.4	142.2





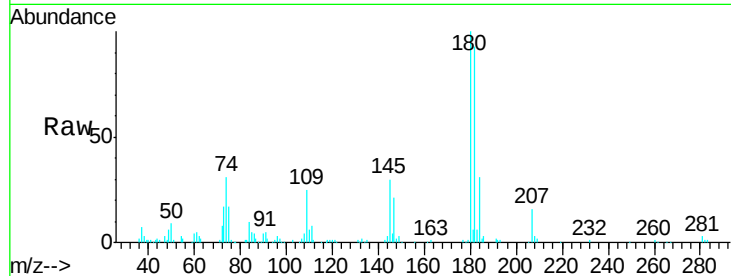
#93
 1,2,4-Trichlorobenzene
 Concen: 20.057 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	95747		
182	91.5	47.3	142.0	
145	29.2	15.3	45.8	

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 3:37:24 PM

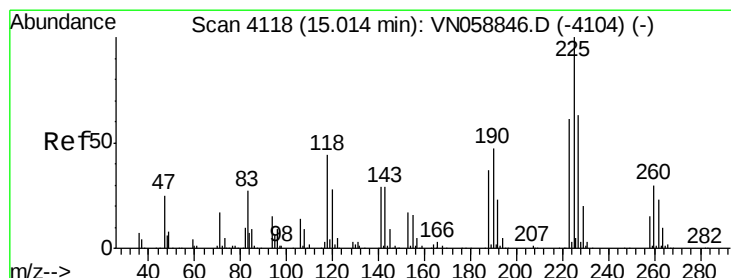
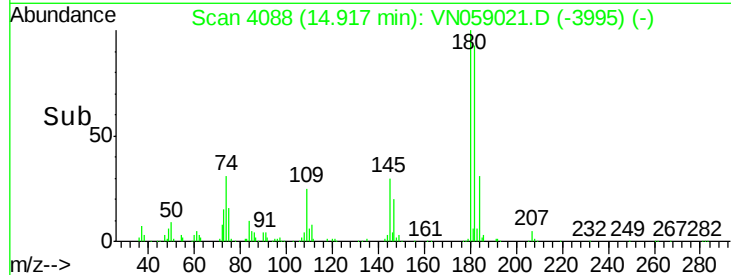
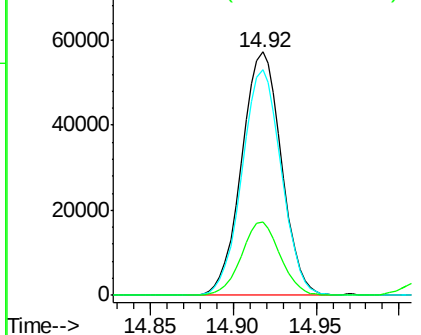


Abundance

Ion 179.80 (179.50 to 180.50): V

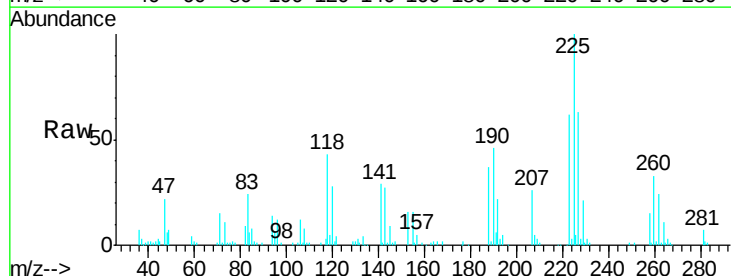
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.172 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56516		
223	63.0	30.9	92.5	
227	64.6	31.6	94.7	

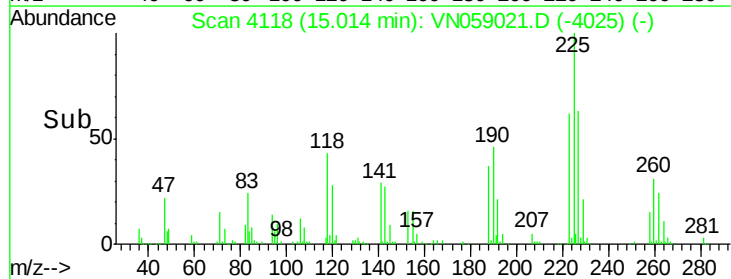
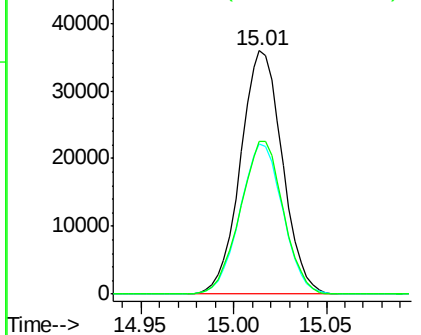


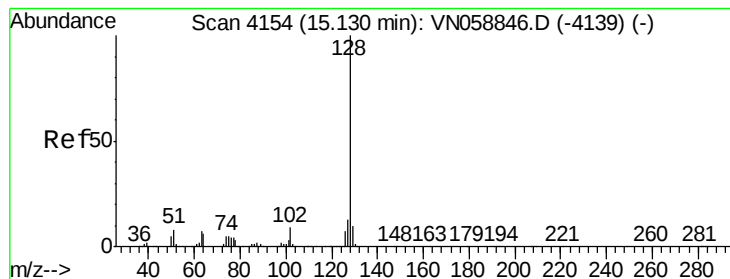
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.951 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

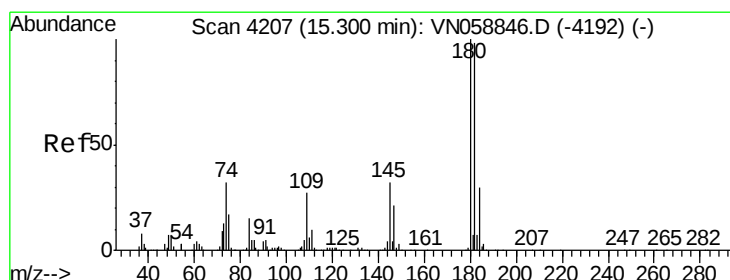
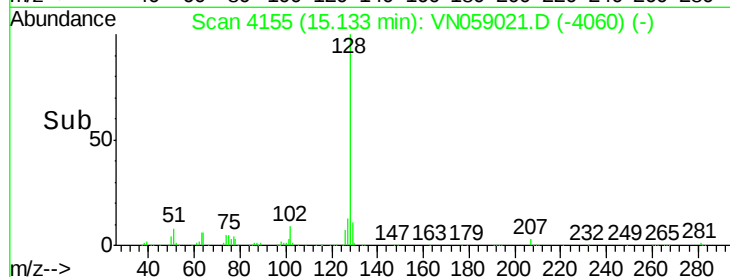
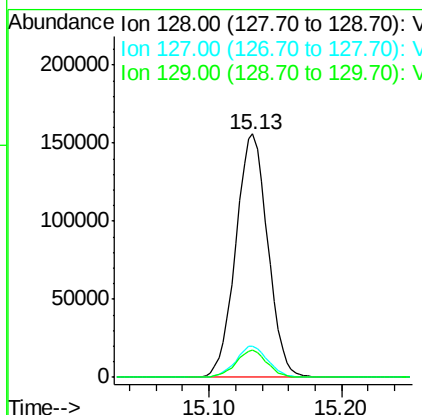
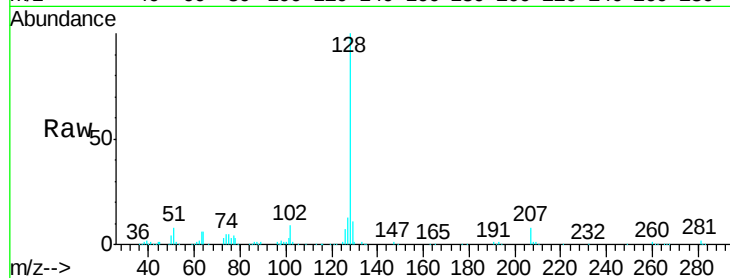
ClientSampleId :

VN1030WBSD01

Tgt Ion:	128	Resp:	260857
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.4	12.6

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.490 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Tgt Ion:	180	Resp:	95932
Ion Ratio		Lower	Upper
180	100		
182	94.3	47.9	143.7
145	33.5	15.9	47.7

