

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101519\
 Data File : VN058777.D
 Acq On : 15 Oct 2019 13:20
 Operator : JC/SP
 Sample : VN1015WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:42:38 AM

Quant Time: Oct 16 04:55:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	463206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	748166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	684335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324062	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	339065	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
35) Dibromofluoromethane	7.57	113	245614	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
50) Toluene-d8	10.08	98	938096	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.40	95	341558	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	125154	21.694	ug/l	99
3) Chloromethane	2.04	50	141774	20.667	ug/l	100
4) Vinyl Chloride	2.17	62	143397	20.988	ug/l	99
5) Bromomethane	2.54	94	88301	21.245	ug/l	98
6) Chloroethane	2.68	64	91282	21.660	ug/l	98
7) Trichlorofluoromethane	3.00	101	178771	21.863	ug/l	97
8) Diethyl Ether	3.39	74	62133	20.566	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	98904	21.213	ug/l	99
10) Methyl Iodide	3.93	142	128596	20.212	ug/l	98
11) Tert butyl alcohol	4.76	59	114505	109.029	ug/l	100
12) 1,1-Dichloroethene	3.72	96	96689	21.736	ug/l	94
13) Acrolein	3.58	56	67159	79.511	ug/l	100
14) Allyl chloride	4.30	41	188175	20.961	ug/l	99
15) Acrylonitrile	4.96	53	293410	110.783	ug/l	99
16) Acetone	3.79	43	317495	118.262	ug/l	100
17) Carbon Disulfide	4.03	76	287814	20.241	ug/l	100
18) Methyl Acetate	4.30	43	148483	21.804	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	342260	21.547	ug/l	98
20) Methylene Chloride	4.53	84	113208	20.177	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	104866	21.075	ug/l	99
22) Diisopropyl ether	5.93	45	382332	21.904	ug/l	97
23) Vinyl Acetate	5.87	43	1623419	115.265	ug/l	100
24) 1,1-Dichloroethane	5.82	63	215156	21.643	ug/l	99
25) 2-Butanone	6.81	43	433213	111.641	ug/l	96
26) 2,2-Dichloropropane	6.81	77	190207	20.961	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	120297	20.732	ug/l	100
28) Bromochloromethane	7.17	49	75301	21.773	ug/l	100
29) Tetrahydrofuran	7.19	42	275098	109.704	ug/l	100
30) Chloroform	7.36	83	214778	21.504	ug/l	98
31) Cyclohexane	7.63	56	191740	20.158	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	184771	21.692	ug/l	100
36) 1,1-Dichloropropene	7.78	75	160568	21.227	ug/l	99
37) Ethyl Acetate	6.91	43	177605	23.216	ug/l	98
38) Carbon Tetrachloride	7.76	117	163660	22.199	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	177160	20.183	ug/l	97
40) Benzene	8.02	78	462182	21.274	ug/l	100
41) Methacrylonitrile	7.15	41	67280m	18.787	ug/l	
42) 1,2-Dichloroethane	8.11	62	182427	21.857	ug/l	100
43) Isopropyl Acetate	8.15	43	278340	21.357	ug/l	99
44) Trichloroethene	8.82	130	112807	20.909	ug/l	96
45) 1,2-Dichloropropane	9.11	63	123990	21.319	ug/l	99
46) Dibromomethane	9.20	93	79523	21.567	ug/l	100
47) Bromodichloromethane	9.39	83	165390	22.027	ug/l	98
48) Methyl methacrylate	9.19	41	127522	21.586	ug/l	99
49) 1,4-Dioxane	9.19	88	40590	444.130	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	878824	120.071	ug/l	98
52) Toluene	10.15	92	280374	21.101	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	183926	21.357	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	196800	21.523	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	112398	20.667	ug/l	99
56) Ethyl methacrylate	10.43	69	172899	21.761	ug/l	99
57) 1,3-Dichloropropane	10.70	76	200209	21.603	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	408812	106.768	ug/l	100
59) 2-Hexanone	10.75	43	655384	115.868	ug/l	98
60) Dibromochloromethane	10.90	129	121079	21.582	ug/l	99
61) 1,2-Dibromoethane	11.00	107	115658	21.228	ug/l	99
64) Tetrachloroethene	10.63	164	100525	20.990	ug/l	94
65) Chlorobenzene	11.43	112	298032	21.445	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	111309	21.660	ug/l	99
67) Ethyl Benzene	11.51	91	537576	21.700	ug/l	98
68) m/p-Xylenes	11.62	106	397905	42.800	ug/l	98
69) o-Xylene	11.95	106	190054	21.129	ug/l	100
70) Styrene	11.97	104	307296	20.844	ug/l	99
71) Bromoform	12.13	173	82813	21.985	ug/l #	100
73) Isopropylbenzene	12.25	105	520562	22.181	ug/l	99
74) N-amyl acetate	12.07	43	235320	22.324	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	172438	22.303	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	166835m	23.468	ug/l	
77) Bromobenzene	12.53	156	124488	21.807	ug/l	99
78) n-propylbenzene	12.59	91	618392	22.612	ug/l	99
79) 2-Chlorotoluene	12.68	91	363244	21.400	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	442010	22.060	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	57626	21.713	ug/l	96
82) 4-Chlorotoluene	12.78	91	368959	21.182	ug/l	99
83) tert-Butylbenzene	13.00	119	376169	21.915	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	443299	22.286	ug/l	99
85) sec-Butylbenzene	13.18	105	499881	22.101	ug/l	100
86) p-Isopropyltoluene	13.29	119	450657	21.923	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	220536	20.948	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	215329	20.117	ug/l	98
89) n-Butylbenzene	13.62	91	396677	20.870	ug/l	100
90) Hexachloroethane	13.88	117	81840	22.250	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	219214	21.365	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37852	20.956	ug/l	94

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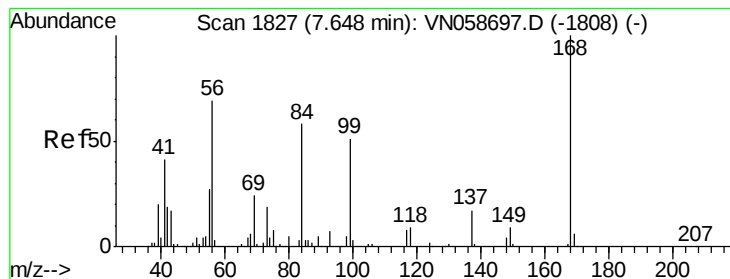
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	119968	19.167	ug/l	98
94) Hexachlorobutadiene	15.01	225	69431	21.064	ug/l	99
95) Naphthalene	15.13	128	345434	19.203	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	119168	19.501	ug/l	100

(#) = 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: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tot Ion:168 Resp: 463206

Ion Ratio Lower Upper

168 100

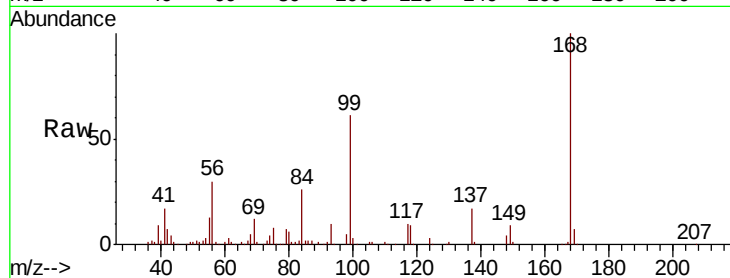
99 61.2 47.5 71.3

Manual Integrations

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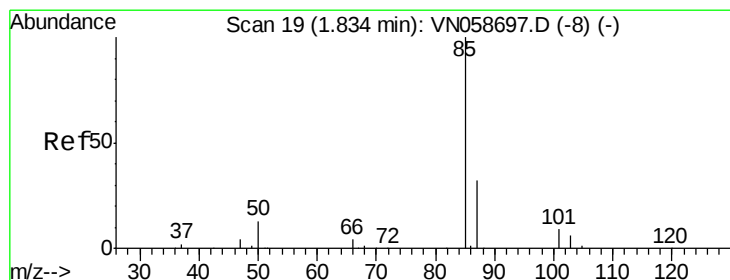
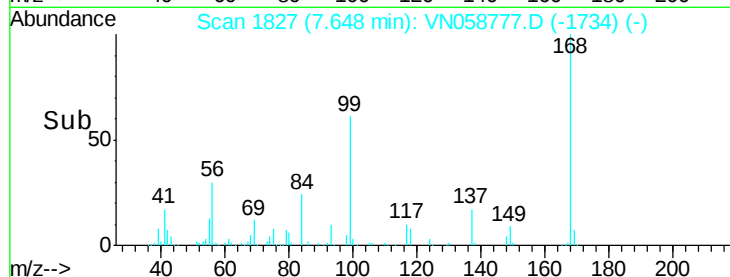
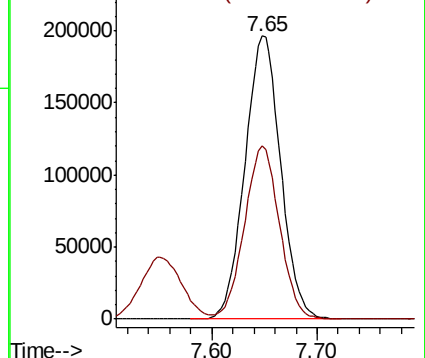
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 21.694 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058777.D

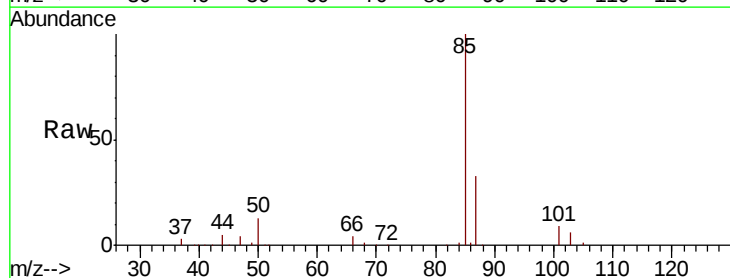
Acq: 15 Oct 2019 13:20

Tgt Ion: 85 Resp: 125154

Ion Ratio Lower Upper

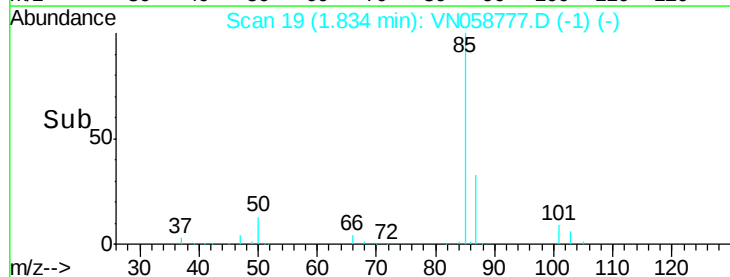
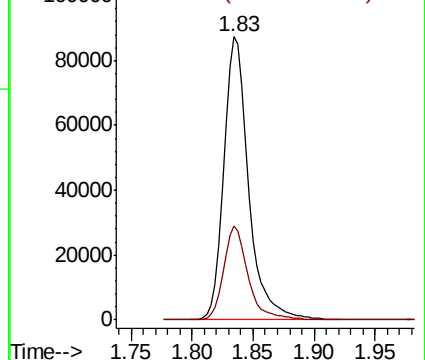
85 100

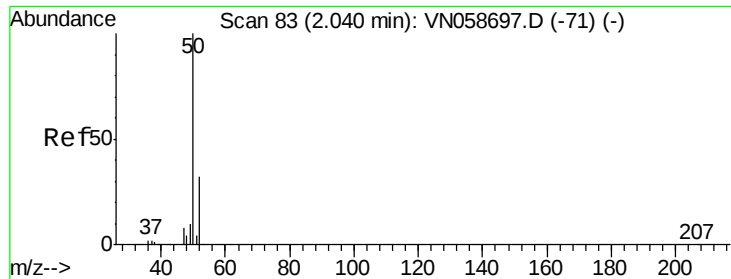
87 33.1 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.667 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tot Ion: 50 Resp: 141774

Ion Ratio Lower Upper

50 100

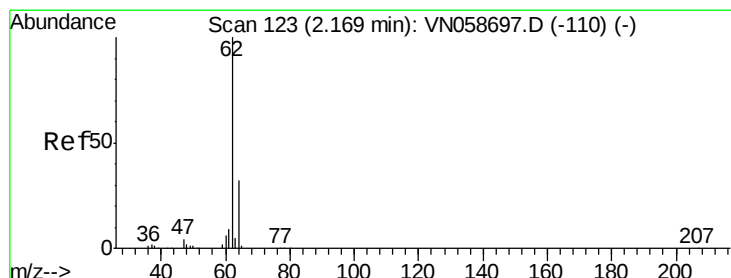
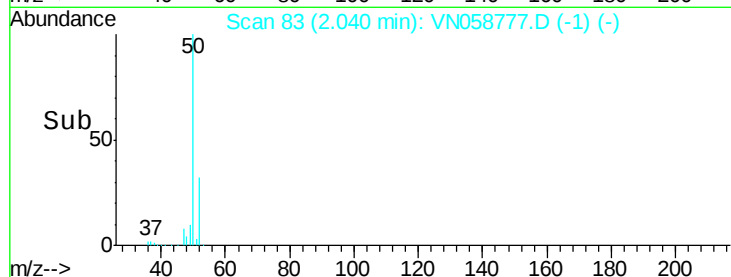
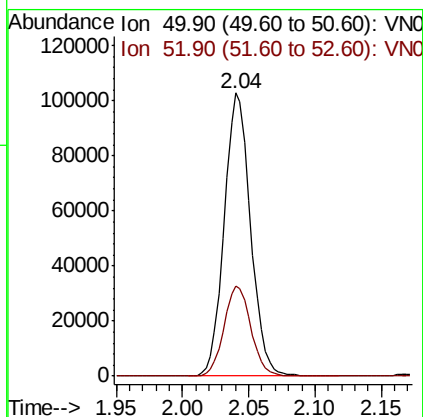
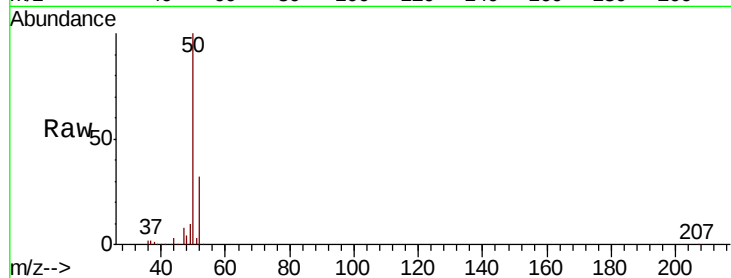
52 32.0 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.988 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058777.D

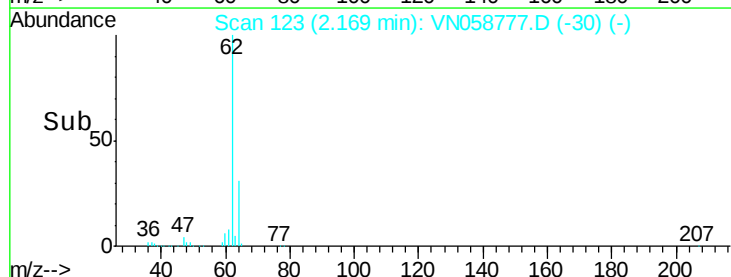
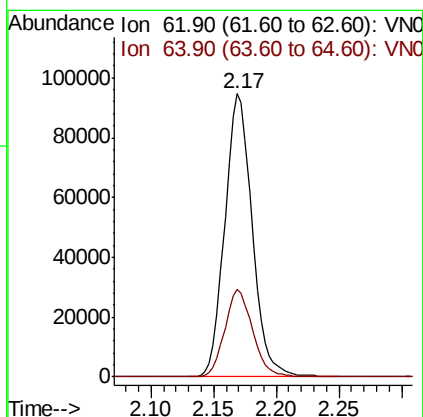
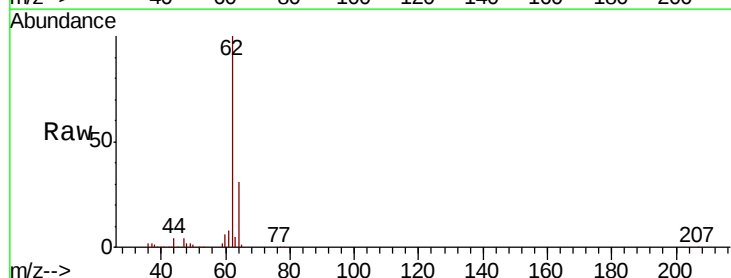
Acq: 15 Oct 2019 13:20

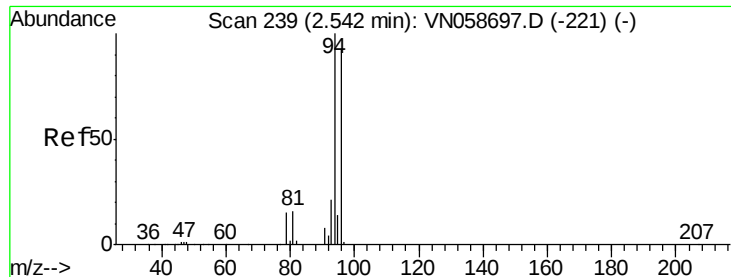
Tgt Ion: 62 Resp: 143397

Ion Ratio Lower Upper

62 100

64 30.8 25.3 37.9





#5

Bromomethane

Concen: 21.245 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

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ClientSampleId :

VN1015WBS01

Tot Ion: 94 Resp: 88301

Ion Ratio Lower Upper

94 100

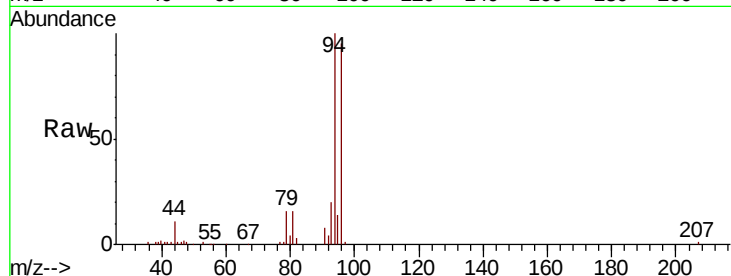
96 94.8 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.54

40000

30000

20000

10000

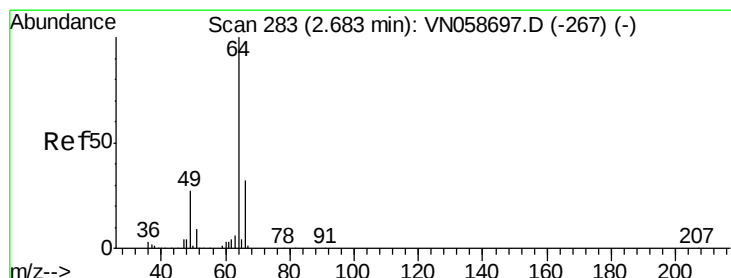
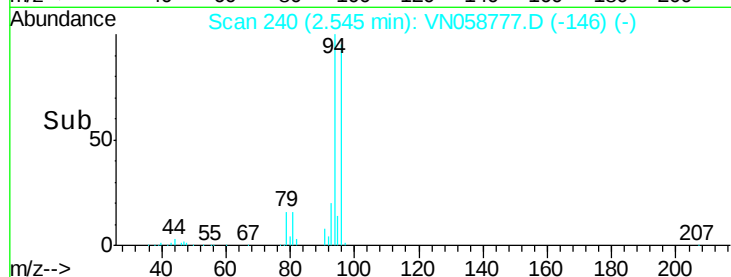
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 21.660 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058777.D

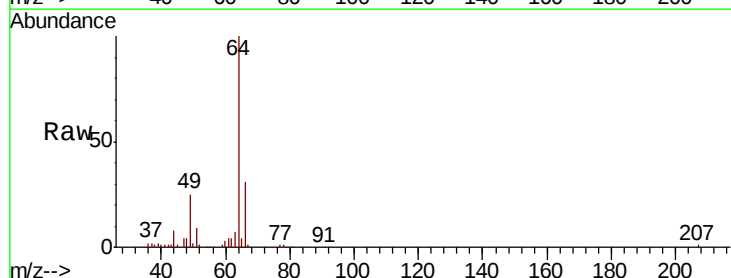
Acq: 15 Oct 2019 13:20

Tgt Ion: 64 Resp: 91282

Ion Ratio Lower Upper

64 100

66 30.8 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.68

50000

40000

30000

20000

10000

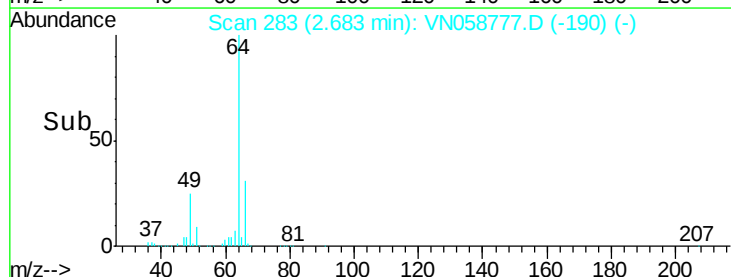
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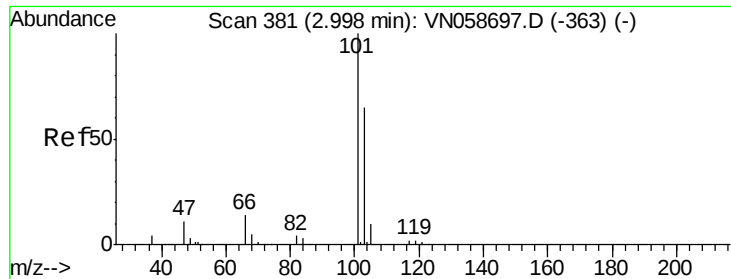
Time-->

2.60

2.70

2.80





#7

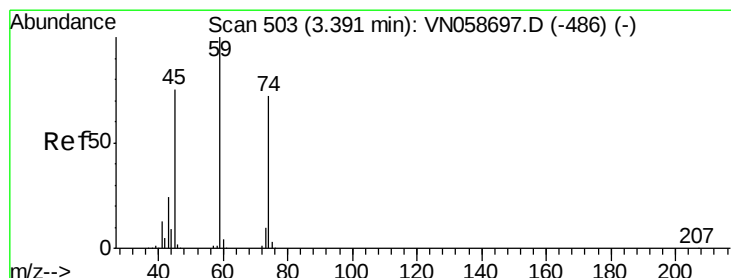
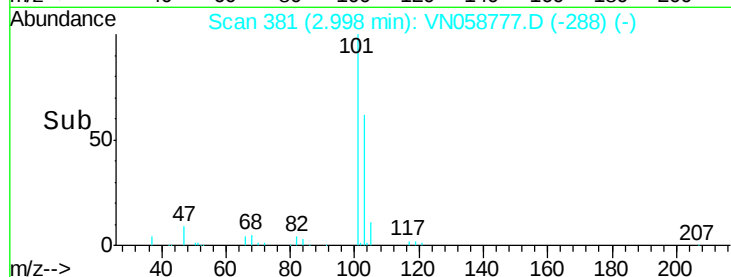
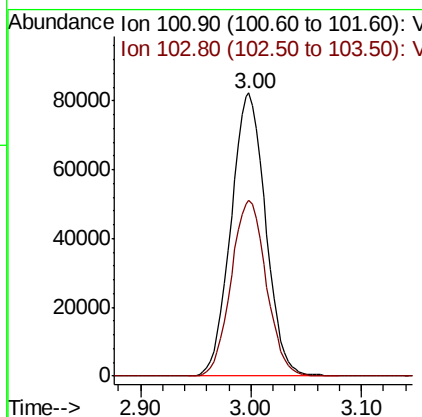
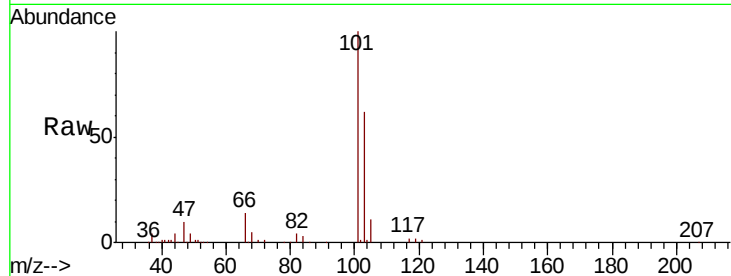
Trichlorofluoromethane
 Concen: 21.863 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058777.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	51.8	77.6

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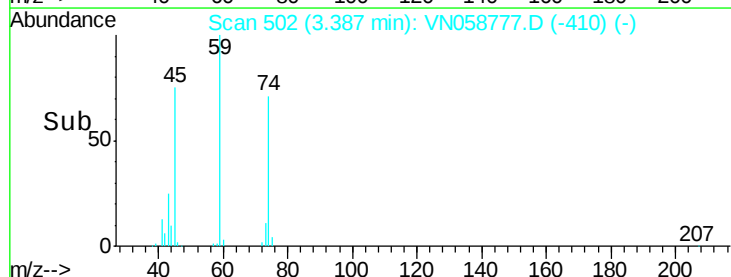
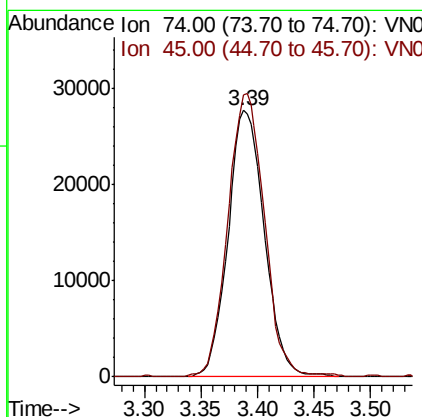
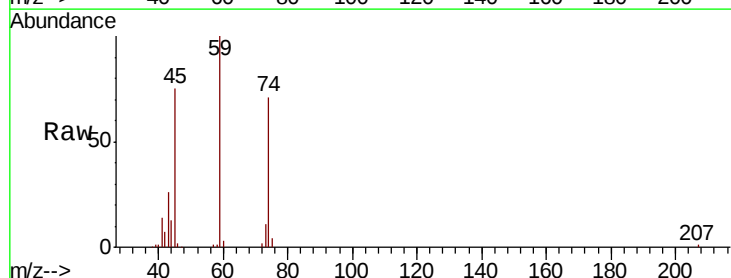
MMDadoda
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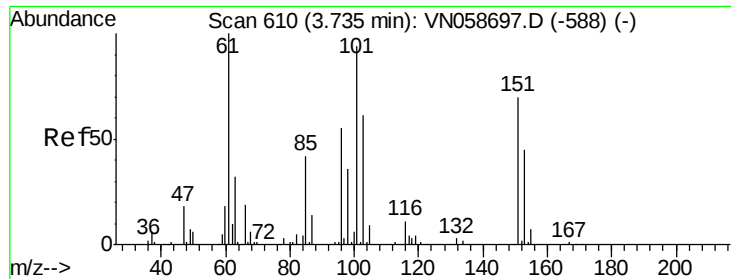


#8

Diethyl Ether
 Concen: 20.566 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.9	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.213 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

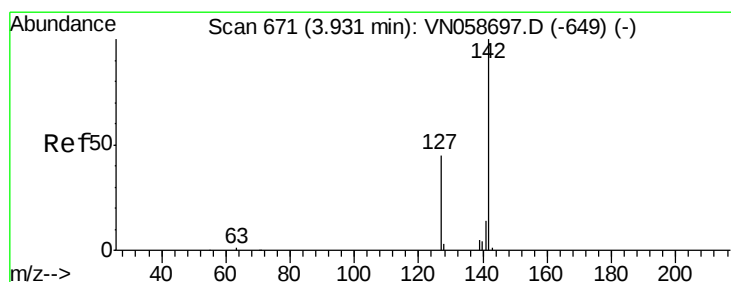
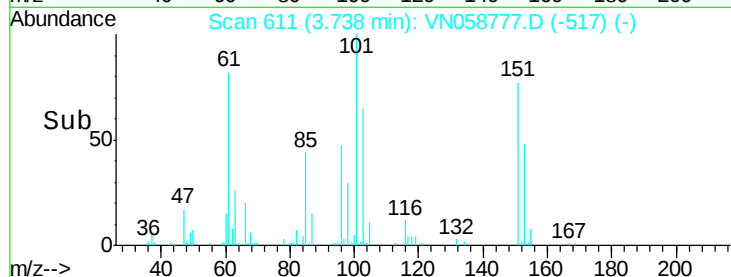
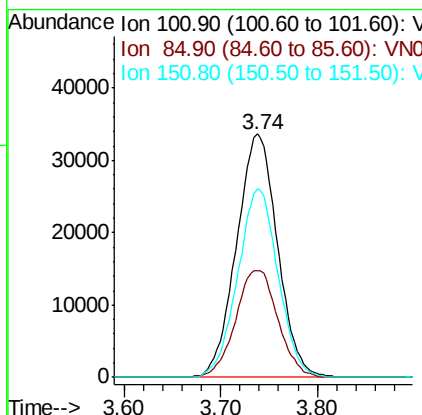
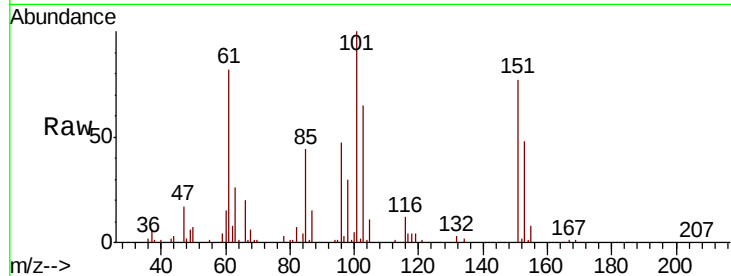
ClientSampleId :

VN1015WBS01

Tot Ion:	101	Resp:	98904
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.0	55.6
151	76.5	61.8	92.6

Manual Integrations
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#10

Methyl Iodide

Concen: 20.212 ug/l

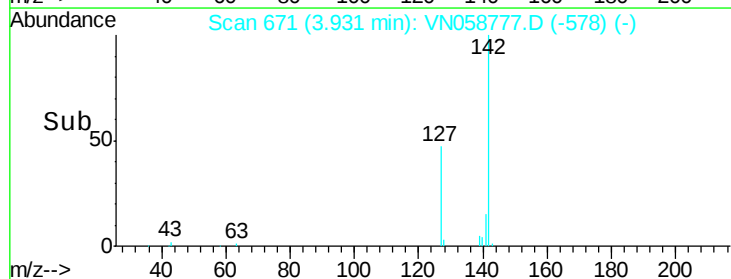
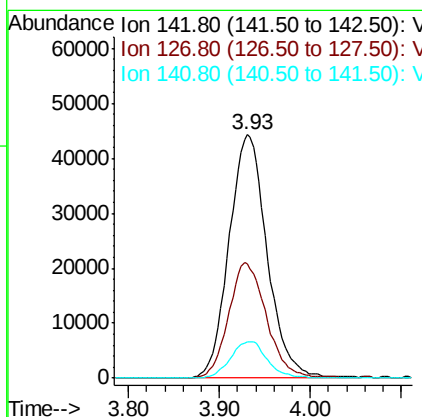
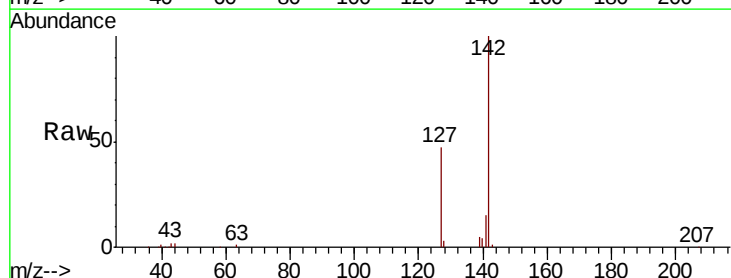
RT: 3.93 min Scan# 671

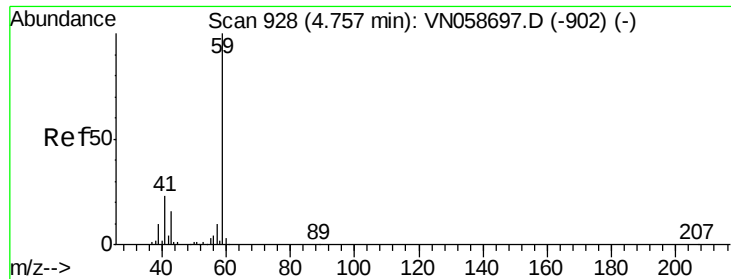
Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Tgt Ion:	142	Resp:	128596
Ion Ratio	Lower	Upper	
142	100		
127	47.1	36.4	54.6
141	14.4	11.1	16.7





#11

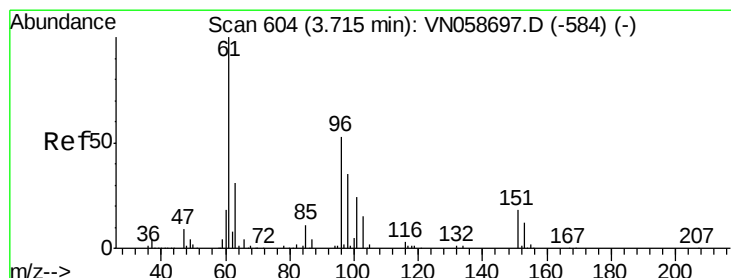
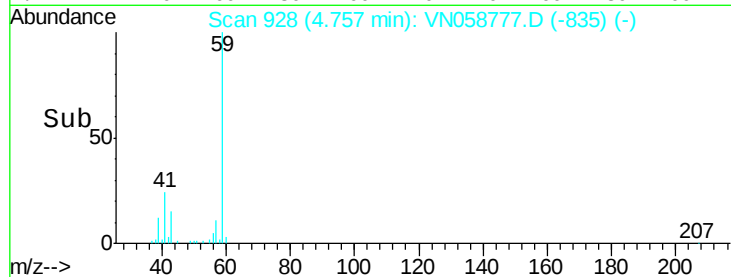
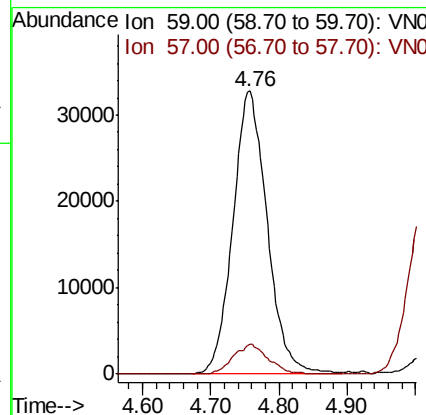
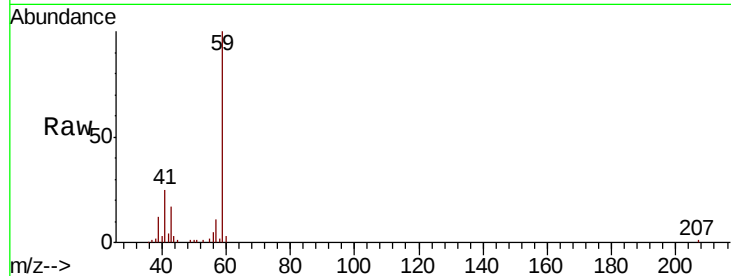
Tert butyl alcohol
Concen: 109.029 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	114505		
57	10.6		8.4	12.6

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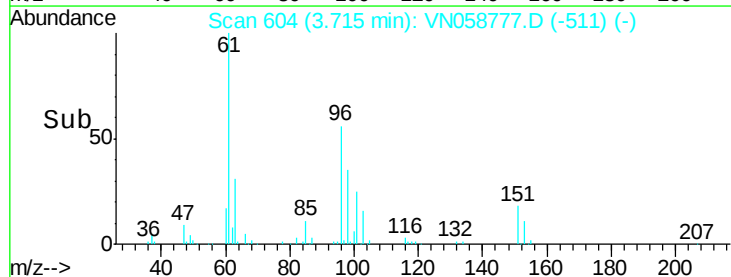
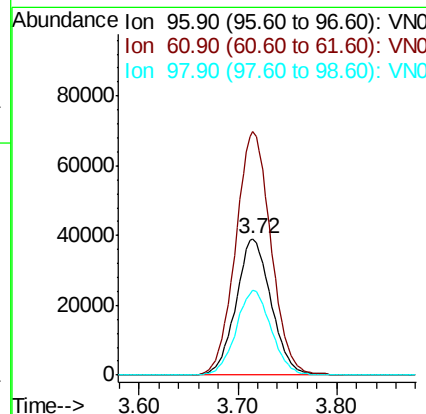
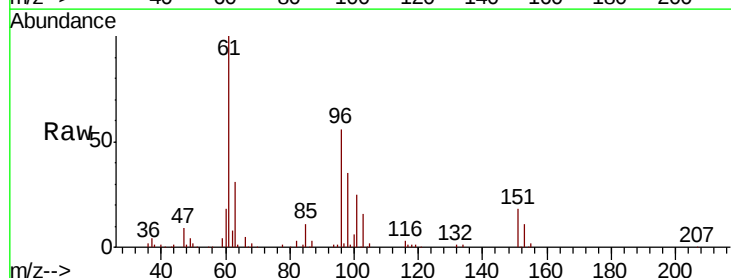
MMDadoda
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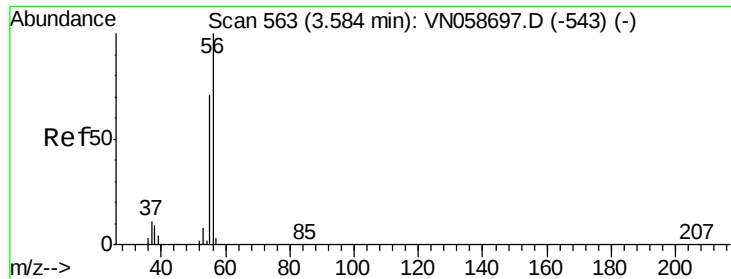


#12

1,1-Dichloroethene
Concen: 21.736 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	96689		
61	178.8		151.3	226.9
98	61.9		52.6	78.8





#13

Acrolein

Concen: 79.511 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tot Ion: 56 Resp: 67159

Ion Ratio Lower Upper

56 100

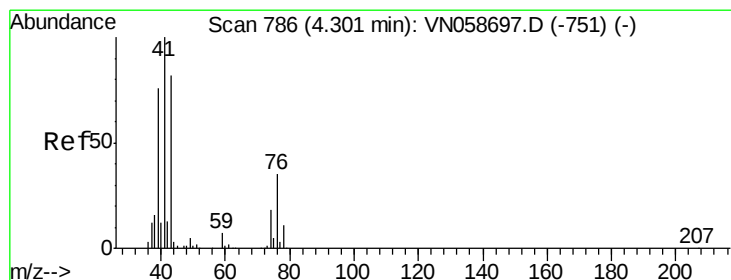
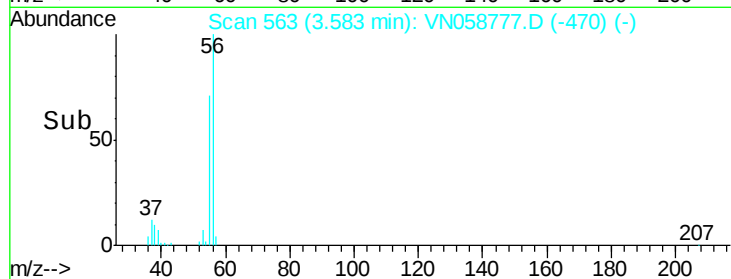
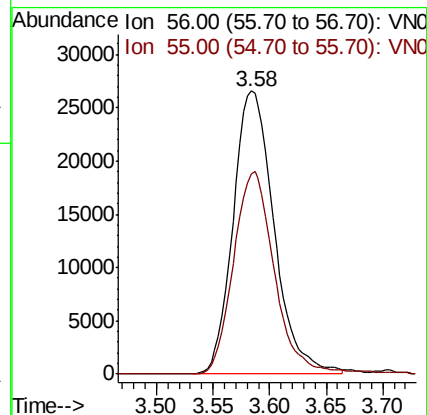
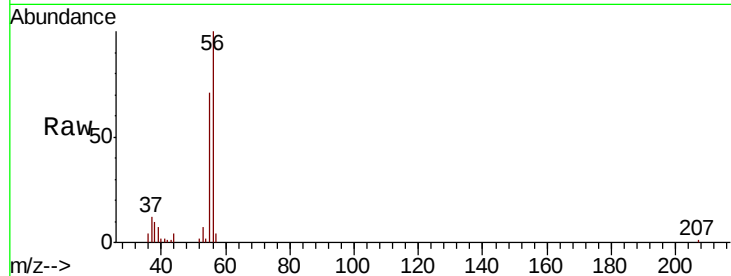
55 71.1 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 20.961 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

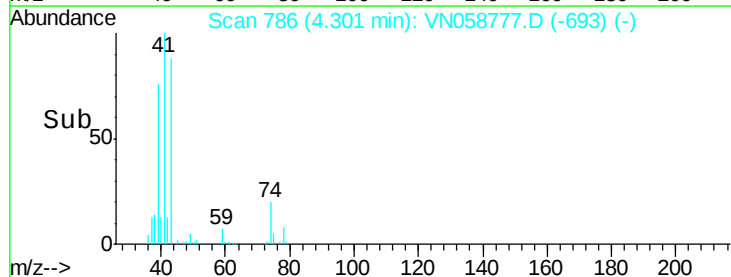
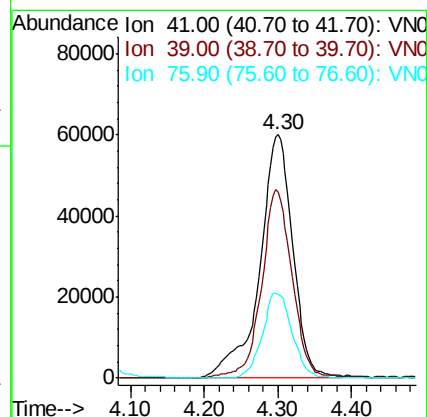
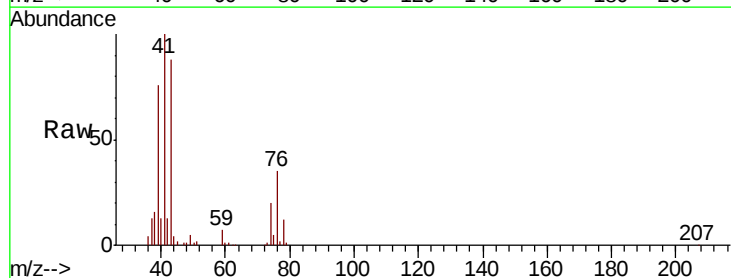
Tgt Ion: 41 Resp: 188175

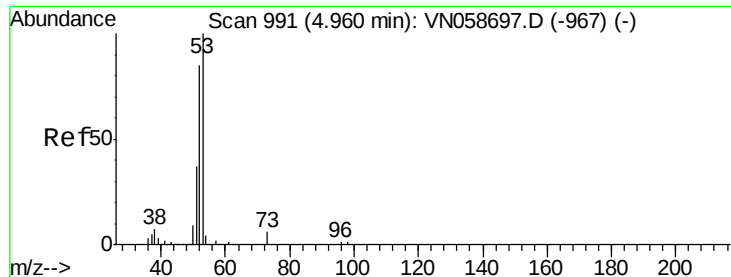
Ion Ratio Lower Upper

41 100

39 71.0 57.2 85.8

76 31.4 25.0 37.6





#15

Acrylonitrile

Concen: 110.783 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

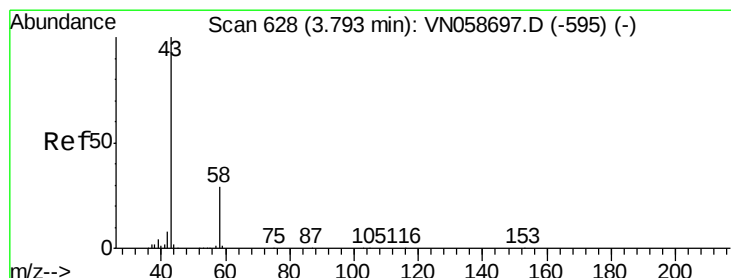
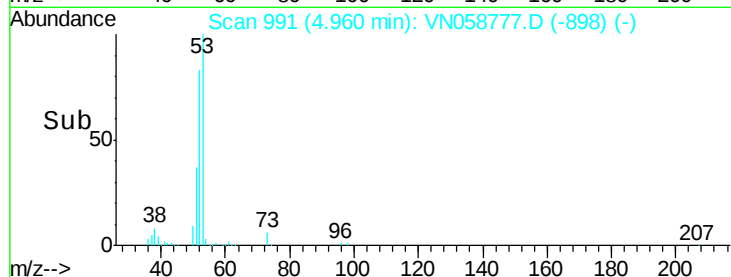
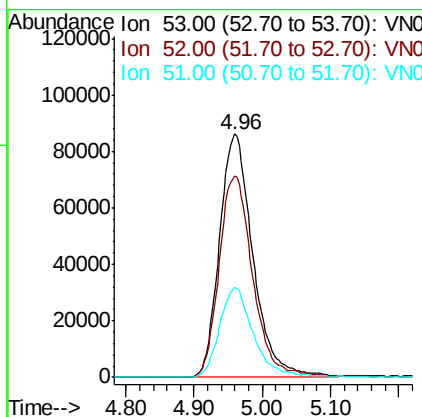
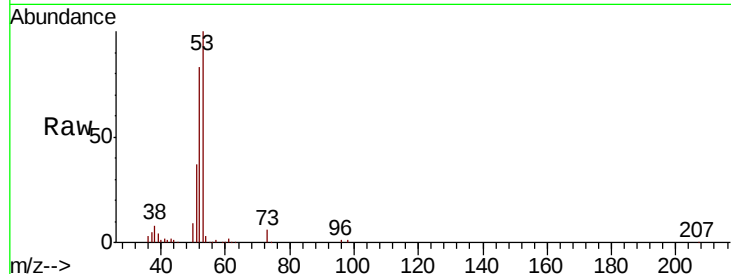
ClientSampleId :

VN1015WBS01

Tot Ion:	53	Resp:	293410
Ion Ratio		Lower	Upper
53	100		
52	83.7	66.2	99.2
51	36.8	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 118.262 ug/l

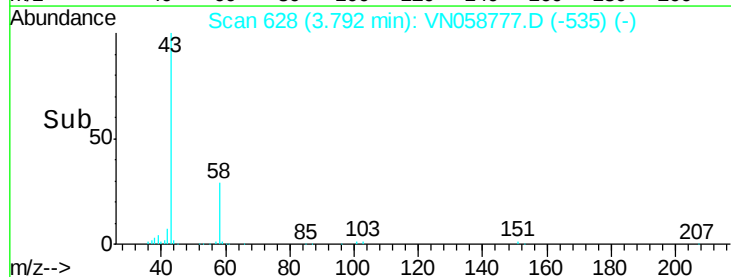
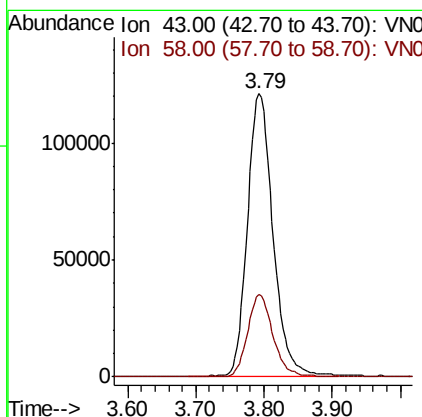
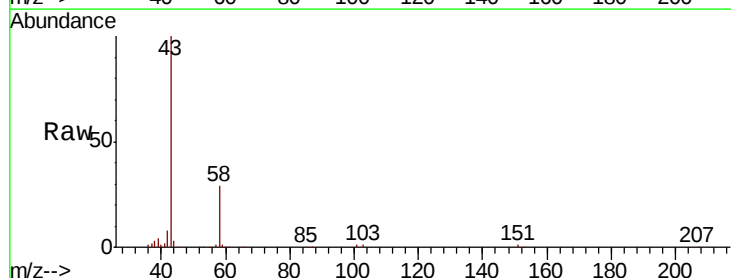
RT: 3.79 min Scan# 628

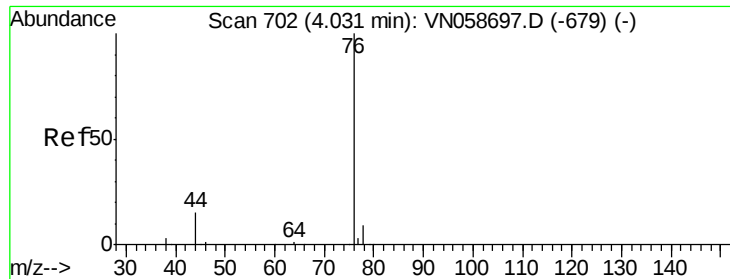
Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Tgt Ion:	43	Resp:	317495
Ion Ratio		Lower	Upper
43	100		
58	29.1	23.3	34.9





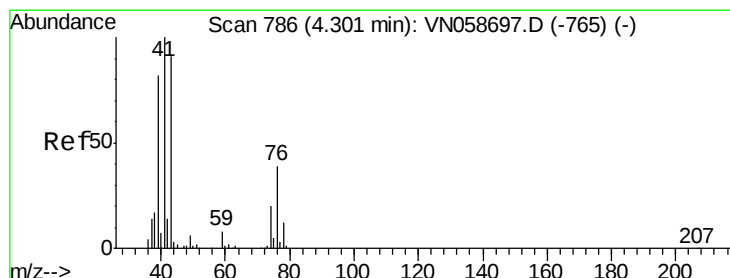
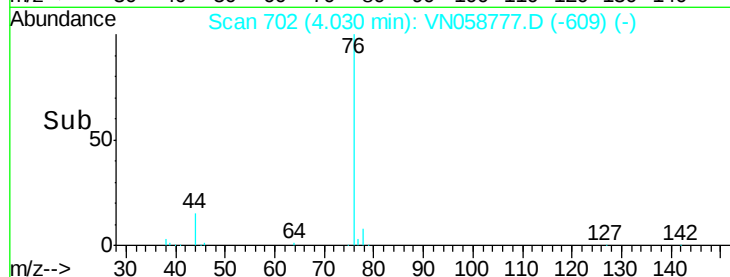
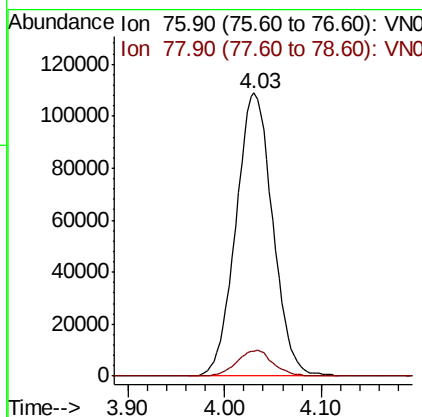
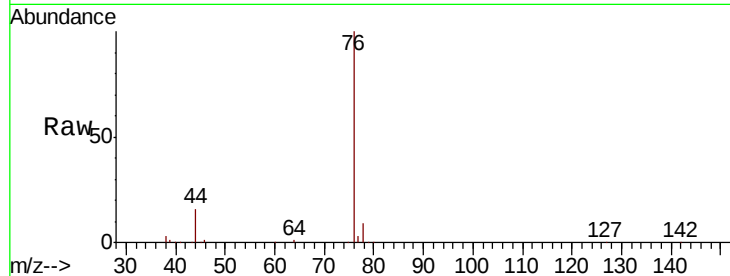
#17
Carbon Disulfide
Concen: 20.241 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

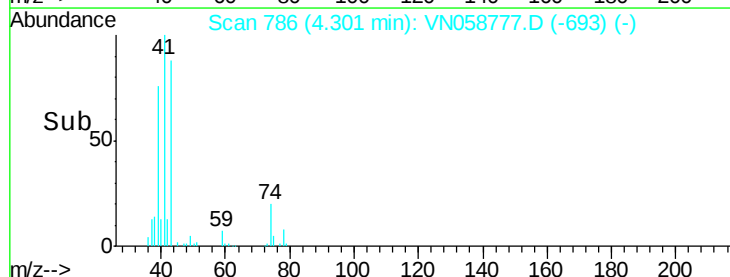
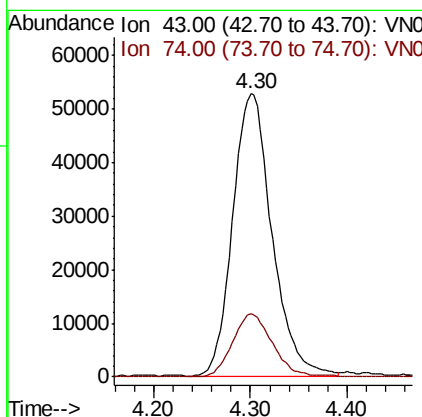
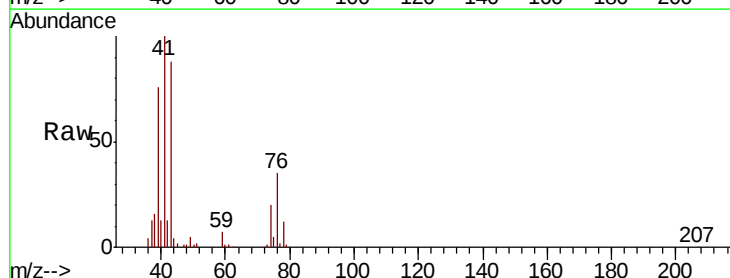
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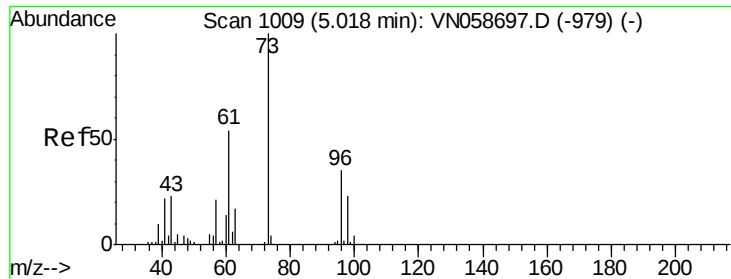
MMDadoda
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#18
Methyl Acetate
Concen: 21.804 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.2	25.8





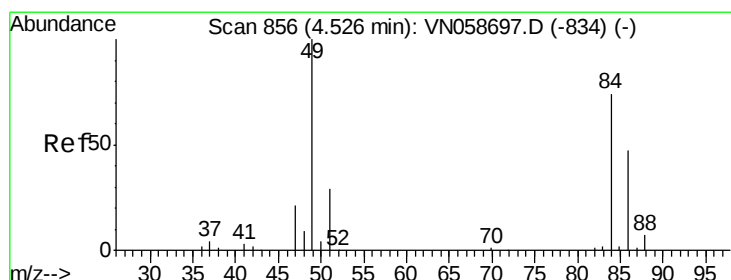
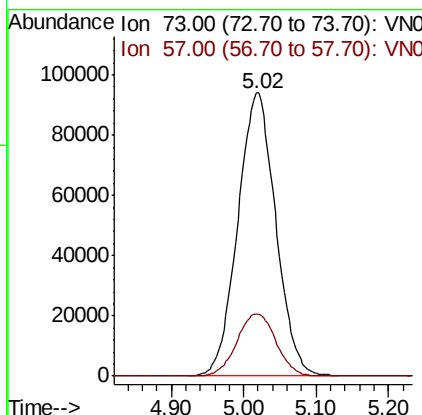
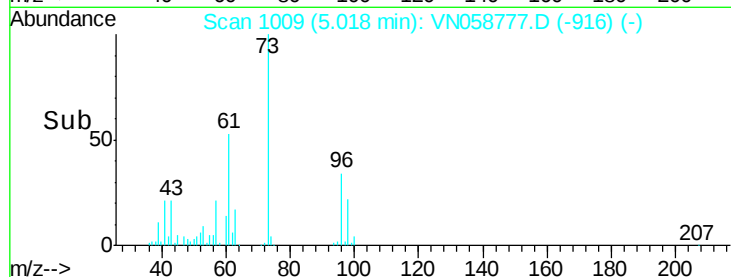
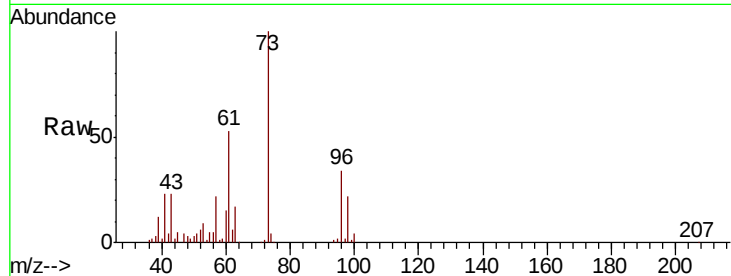
#19
Methvl tert-butvl Ether
Concen: 21.547 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion: 73 Resp: 342260
Ion Ratio Lower Upper
73 100
57 22.0 17.0 25.6

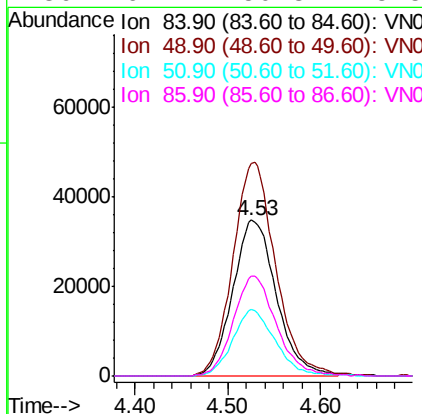
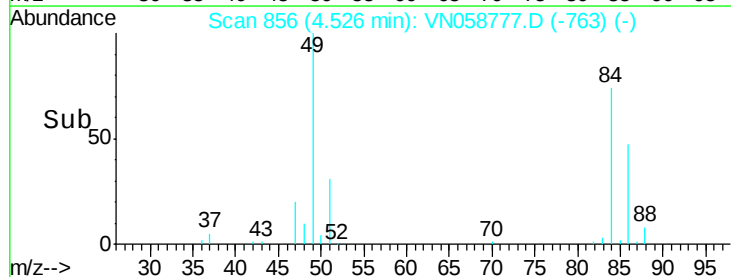
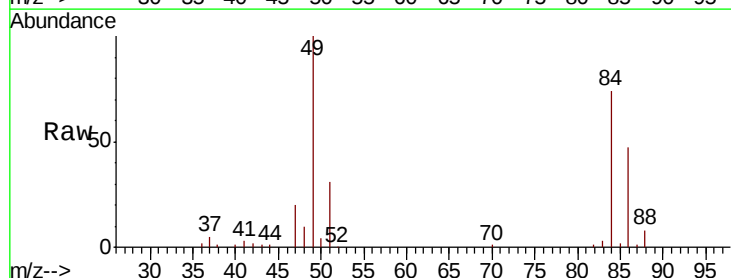
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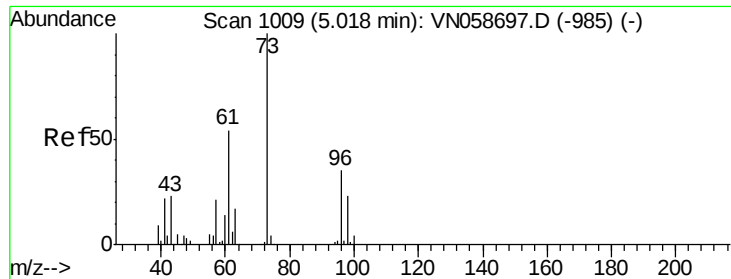
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#20
Methylene Chloride
Concen: 20.177 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion: 84 Resp: 113208
Ion Ratio Lower Upper
84 100
49 135.8 107.6 161.4
51 42.7 31.4 47.0
86 64.4 50.3 75.5





#21

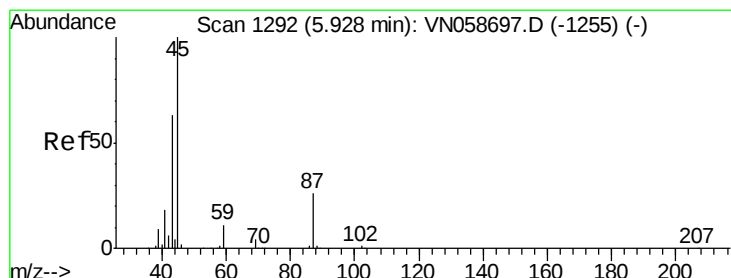
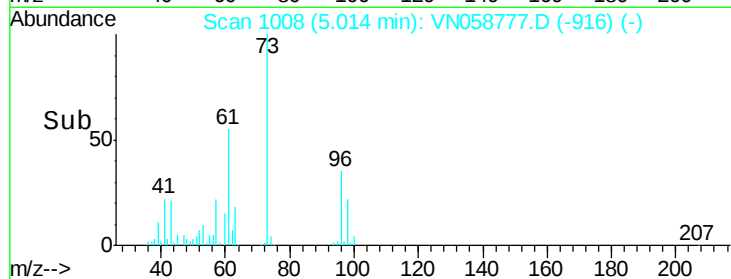
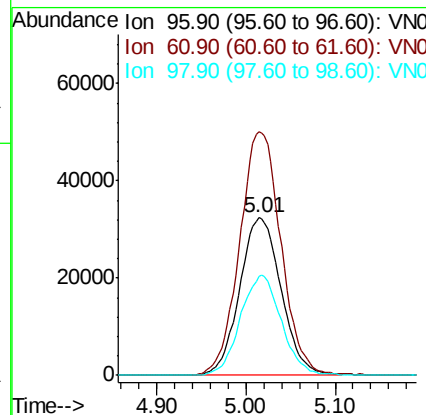
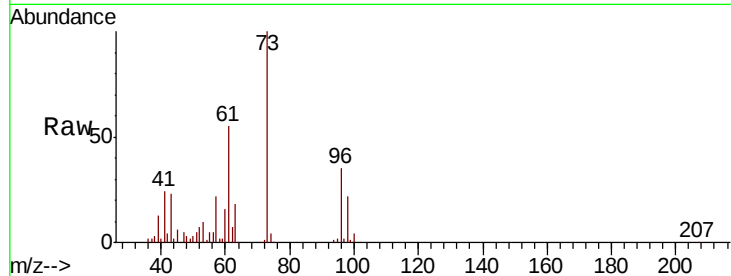
trans-1,2-Dichloroethene
Concen: 21.075 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	123.6	185.4
98	62.4	52.1	78.1

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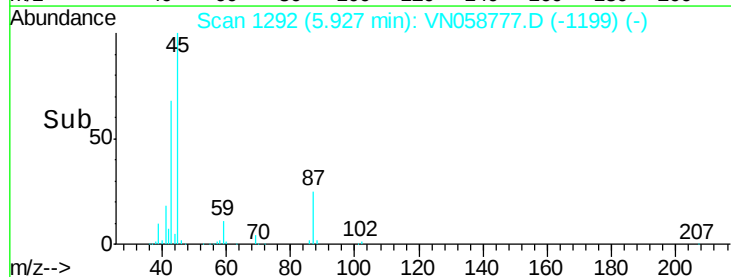
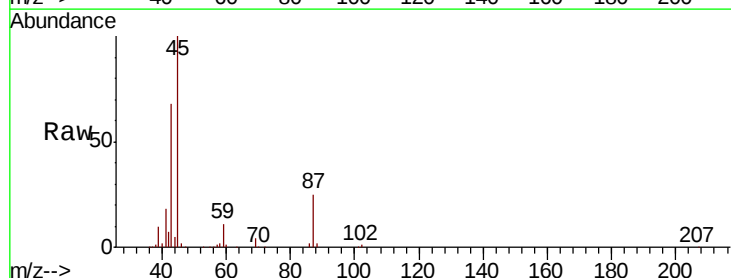
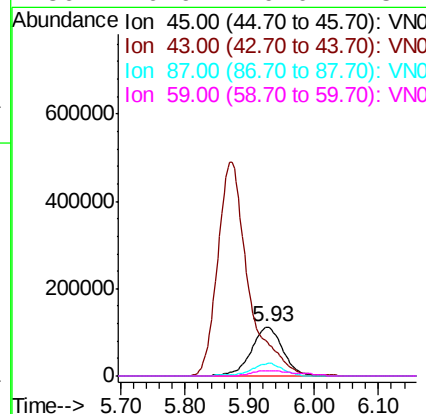
MMDadoda
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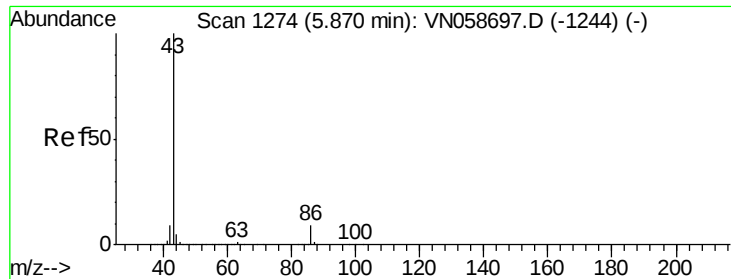


#22

Diisopropyl ether
Concen: 21.904 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.6	50.6	75.8
87	25.5	21.1	31.7
59	10.9	9.0	13.4





#23

Vinyl Acetate

Concen: 115.265 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tot Ion: 43 Resp: 1623419

Ion Ratio Lower Upper

43 100

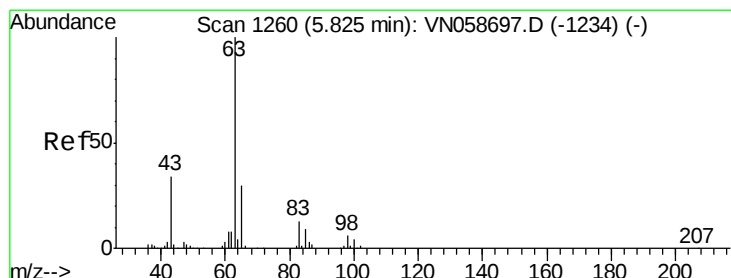
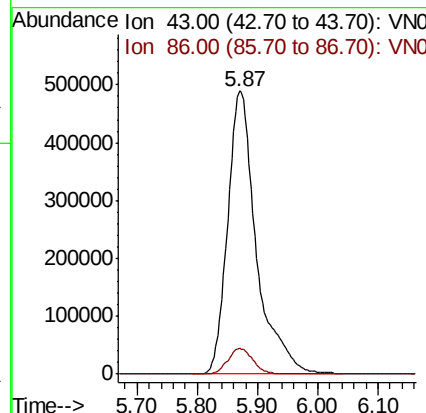
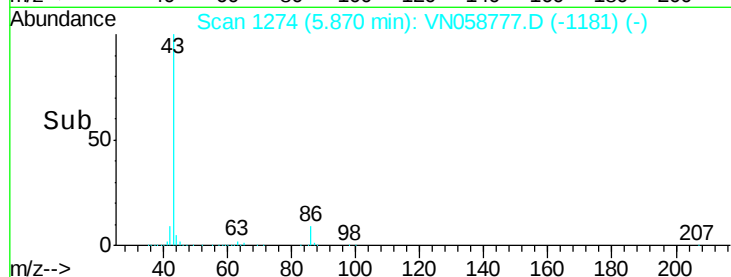
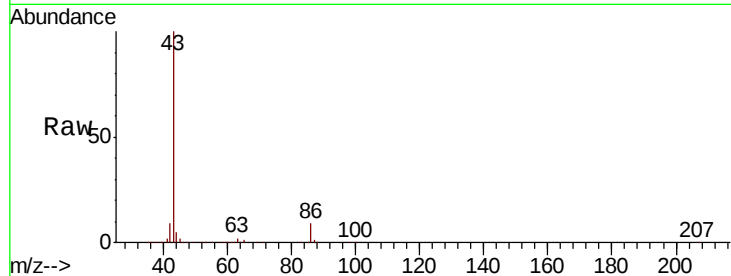
86 9.0 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.643 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

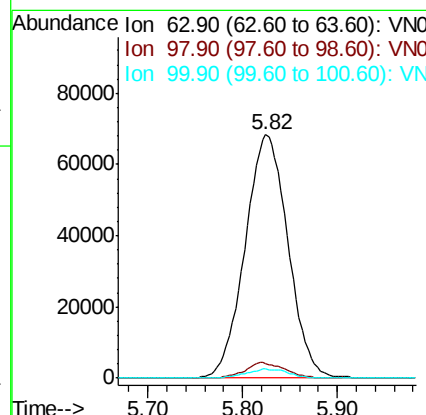
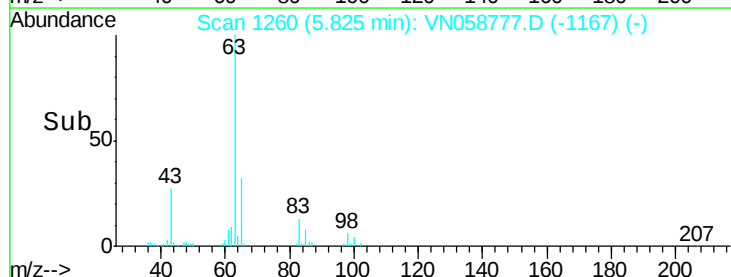
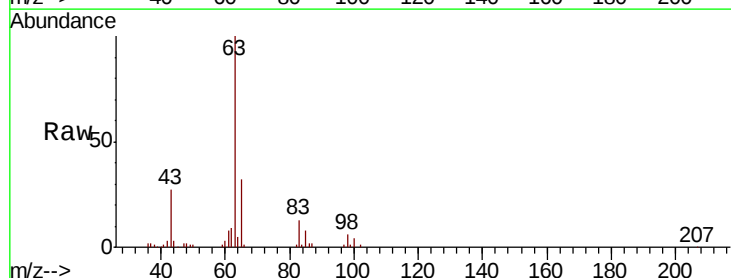
Tgt Ion: 63 Resp: 215156

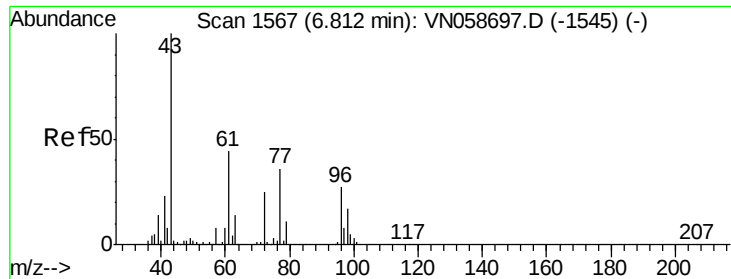
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

100 3.7 1.8 5.5





#25

2-Butanone

Concen: 111.641 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tot Ion: 43 Resp: 433213

Ion Ratio Lower Upper

43 100

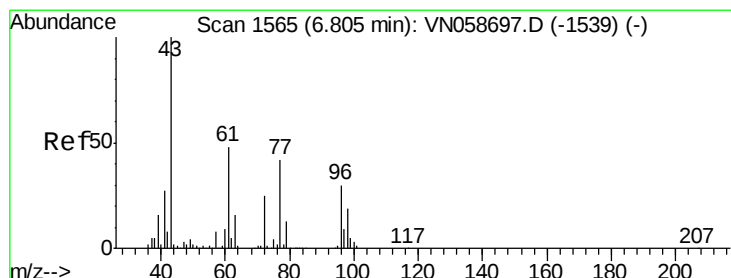
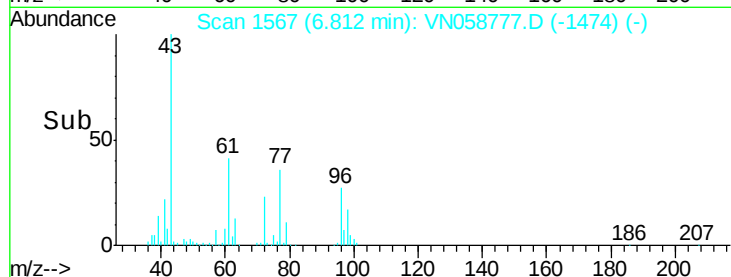
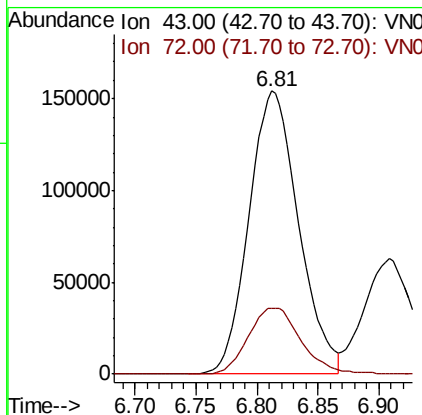
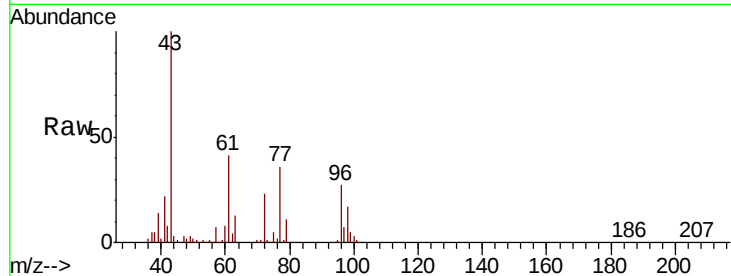
72 23.3 20.2 30.2

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 20.961 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058777.D

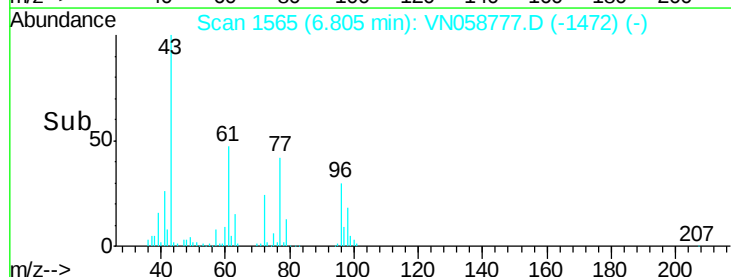
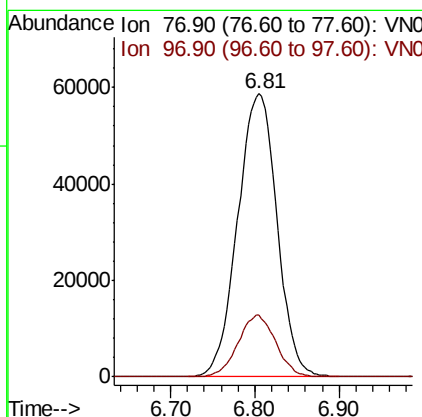
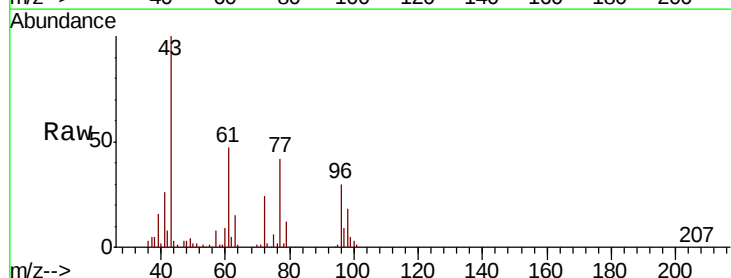
Acq: 15 Oct 2019 13:20

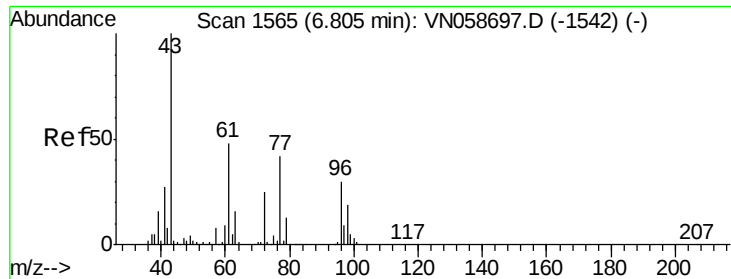
Tgt Ion: 77 Resp: 190207

Ion Ratio Lower Upper

77 100

97 20.9 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.732 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

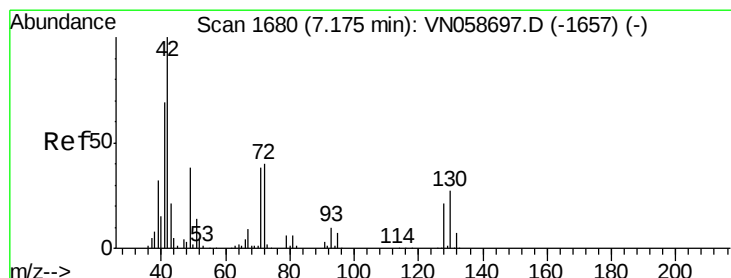
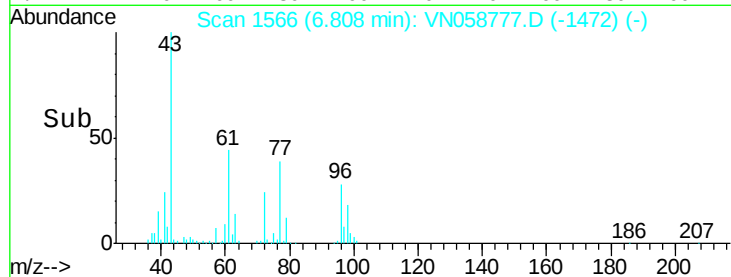
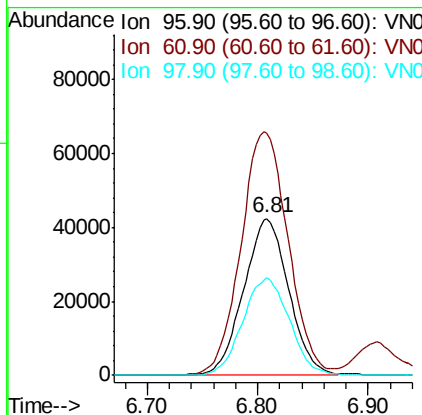
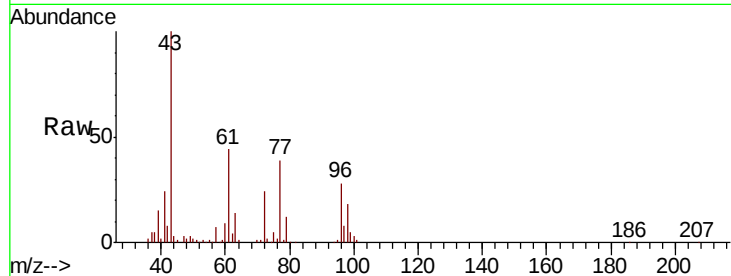
ClientSampleId :

VN1015WBS01

Tot Ion:	96	Resp:	120297
Ion Ratio	Lower	Upper	
96	100		
61	162.7	0.0	324.8
98	64.2	0.0	129.2

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#28

Bromochloromethane

Concen: 21.773 ug/l

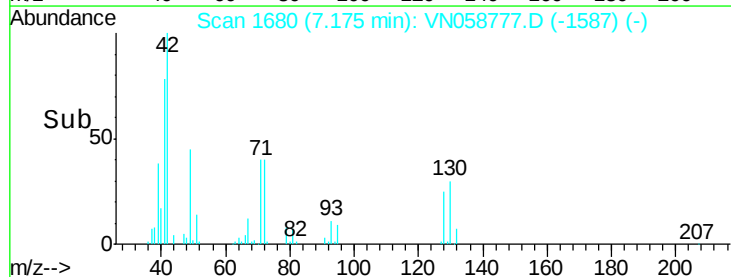
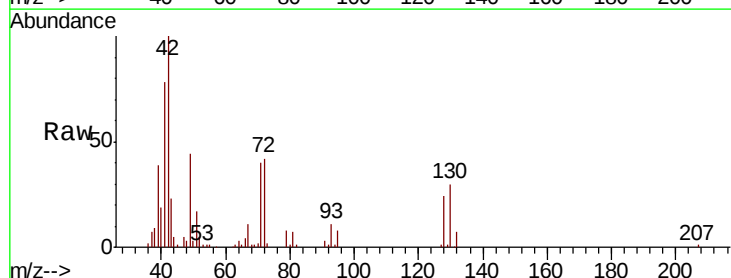
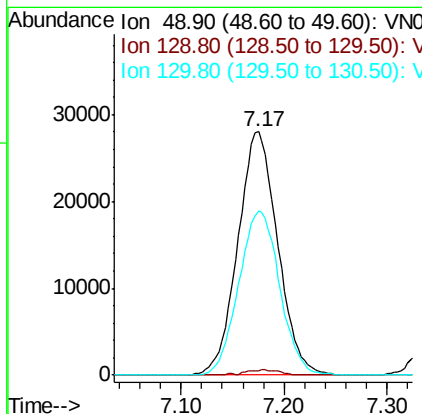
RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Tgt Ion:	49	Resp:	75301
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.6
130	69.0	55.0	82.4





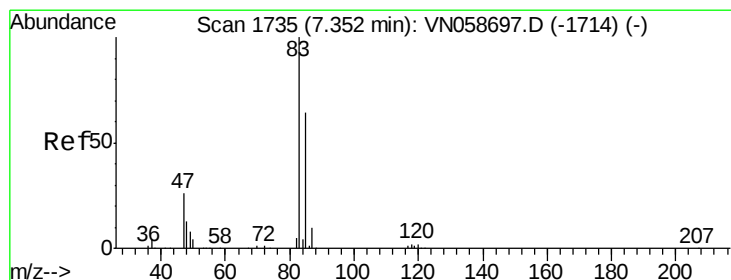
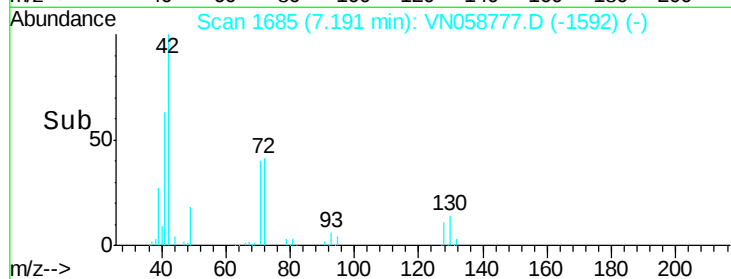
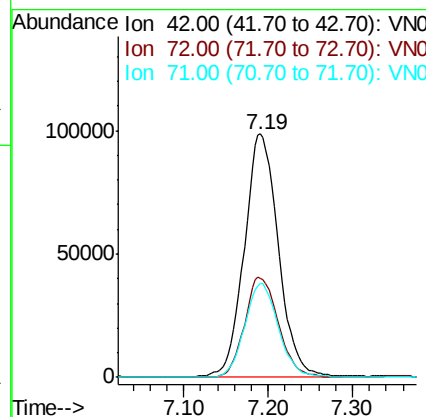
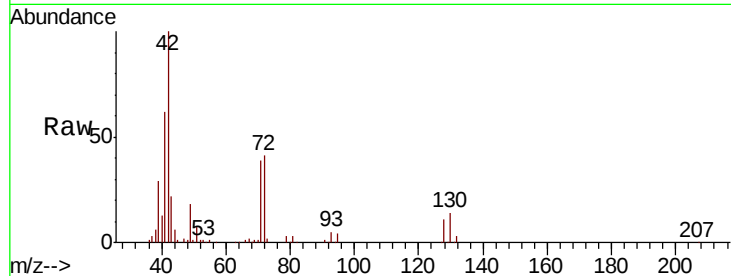
#29
Tetrahydrofuran
Concen: 109.704 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.8	49.2
71	38.6	31.1	46.7

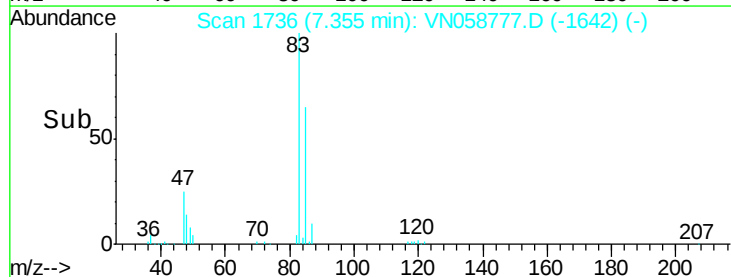
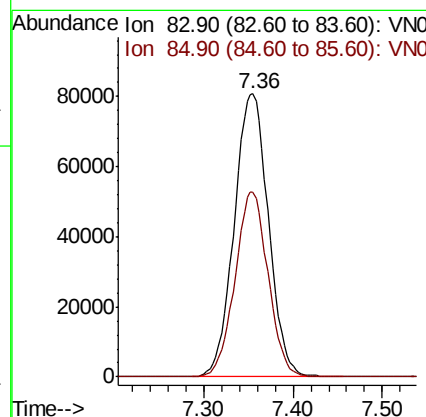
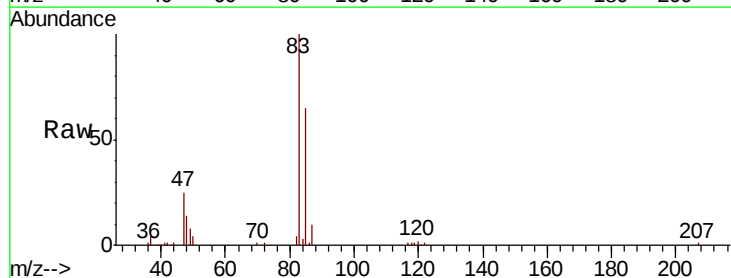
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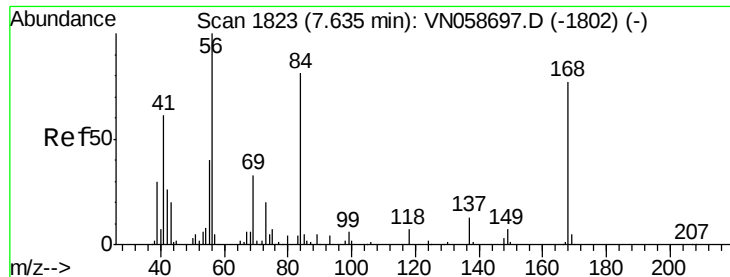
MMDadoda
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#30
Chloroform
Concen: 21.504 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.0	76.6





#31

Cyclohexane

Concen: 20.158 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

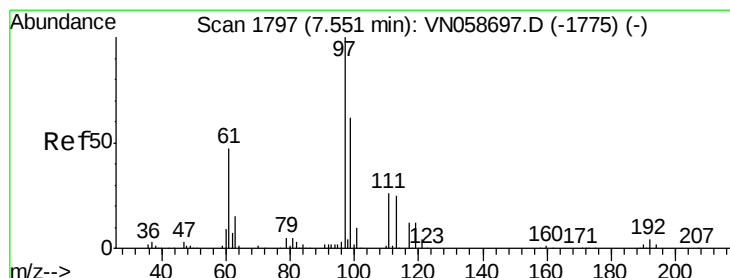
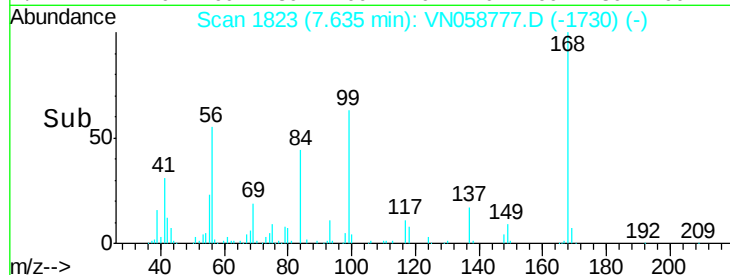
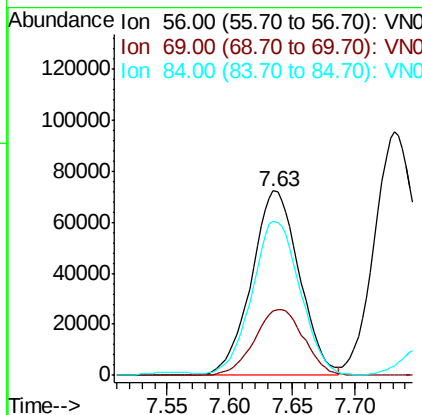
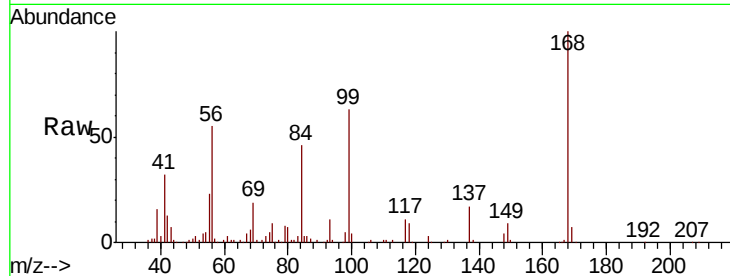
ClientSampleId :

VN1015WBS01

Tot Ion:	56	Resp:	191740
Ion Ratio	Lower	Upper	
56	100		
69	35.1	26.2	39.4
84	82.5	64.9	97.3

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#32

1,1,1-Trichloroethane

Concen: 21.692 ug/l

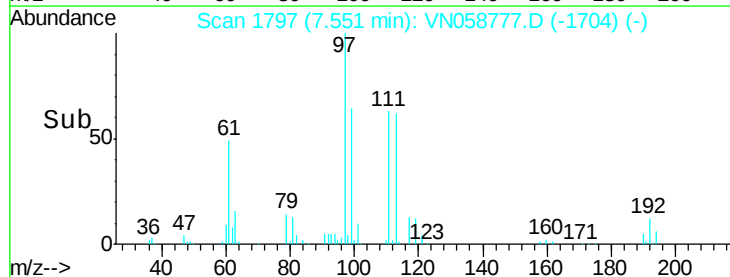
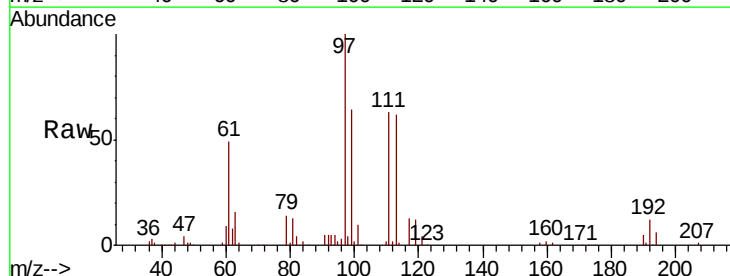
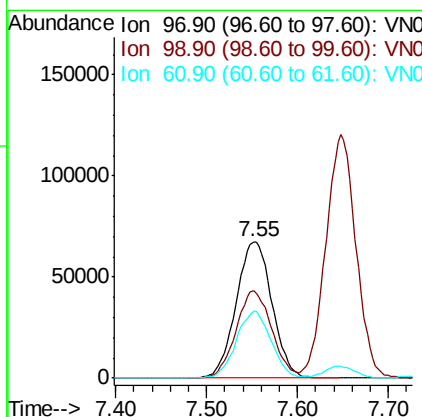
RT: 7.55 min Scan# 1797

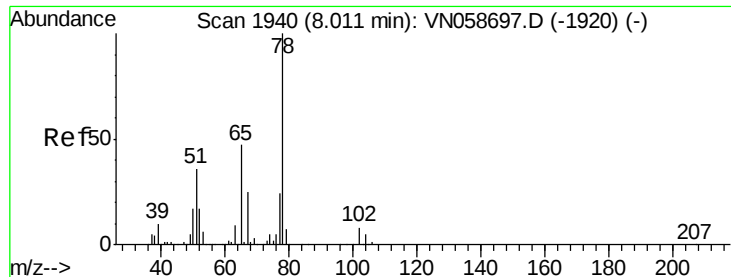
Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Tgt Ion:	97	Resp:	184771
Ion Ratio	Lower	Upper	
97	100		
99	63.6	50.8	76.2
61	47.4	38.1	57.1





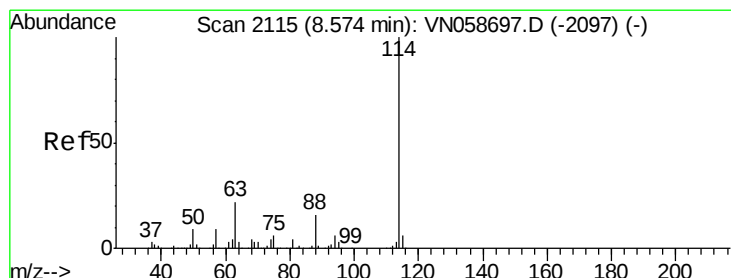
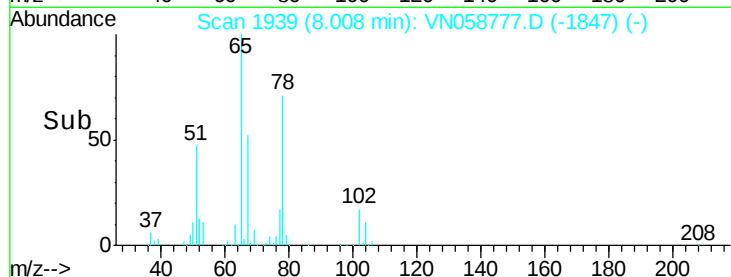
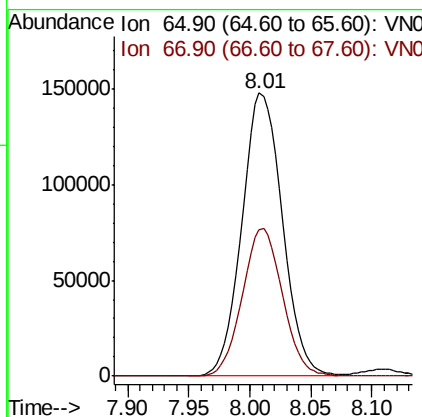
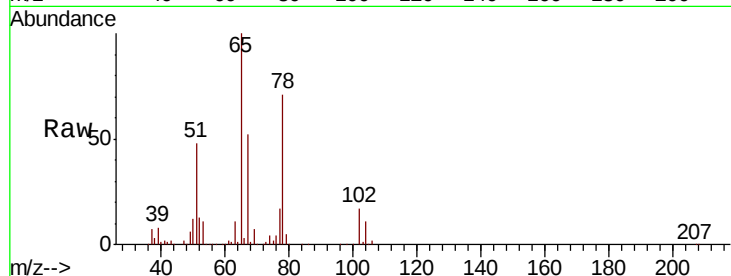
#33
 1,2-Dichloroethane-d4
 Concen: 52.286 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.8	0.0	103.8	

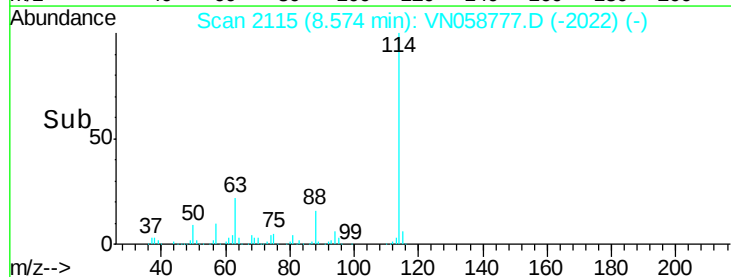
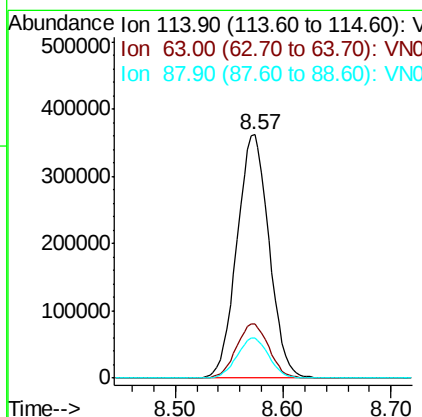
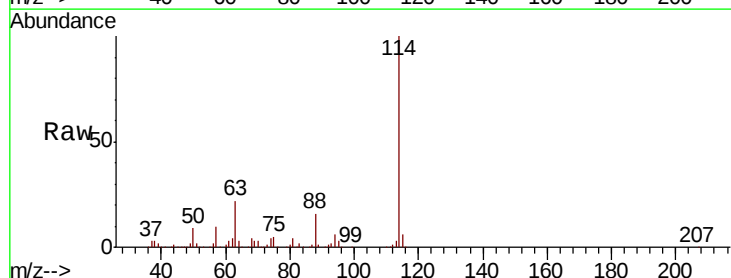
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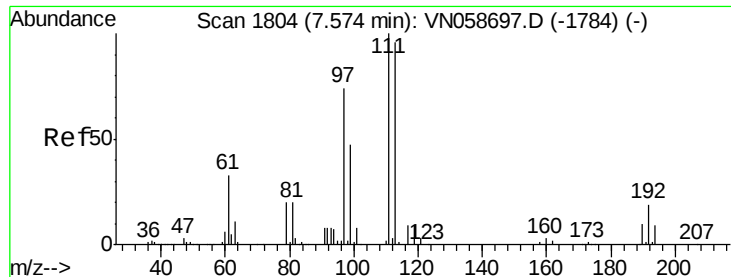
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.1	0.0	43.8	
88	16.3	0.0	32.0	





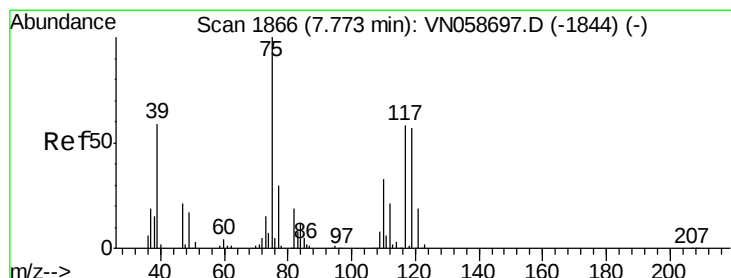
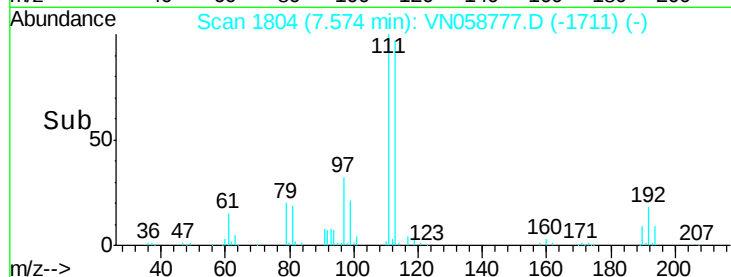
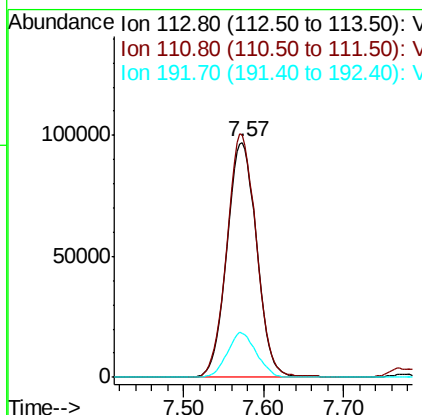
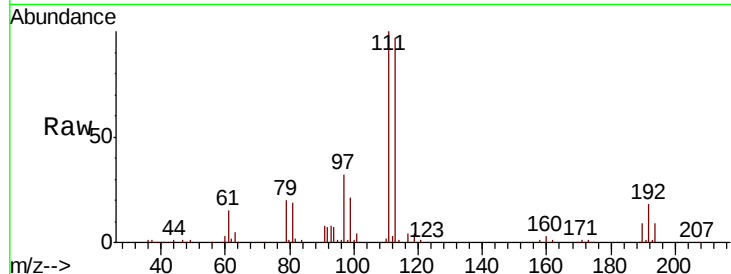
#35
 Dibromofluoromethane
 Concen: 53.149 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	245614		
111	101.9	82.3	123.5	
192	18.6	15.0	22.6	

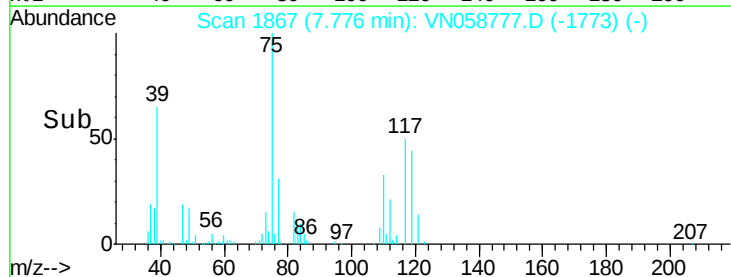
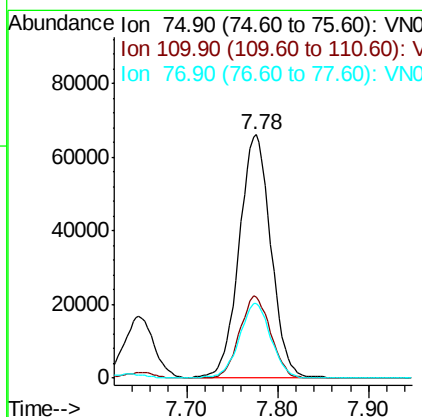
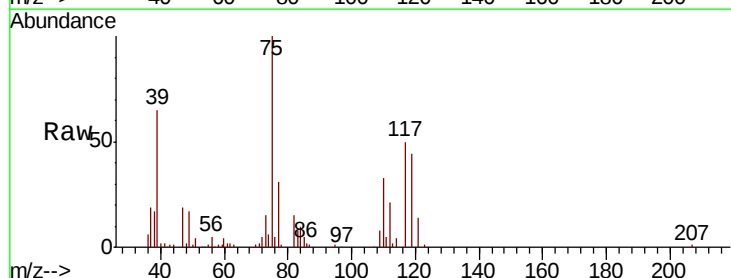
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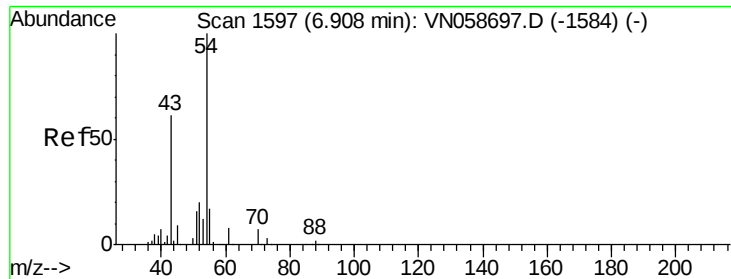
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#36
 1,1-Dichloropropene
 Concen: 21.227 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	160568		
110	32.8	16.6	49.8	
77	30.6	24.6	37.0	





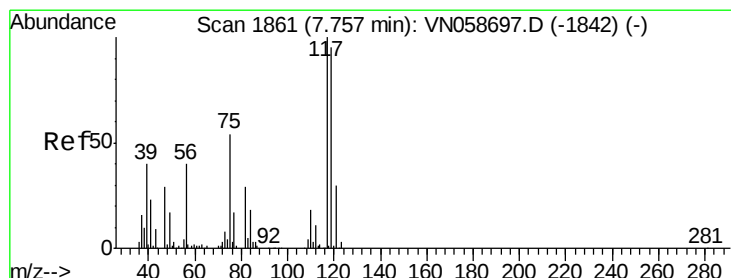
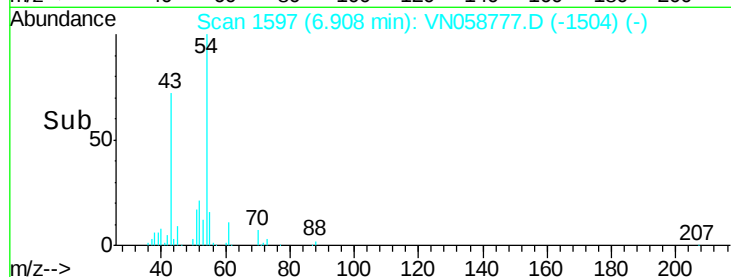
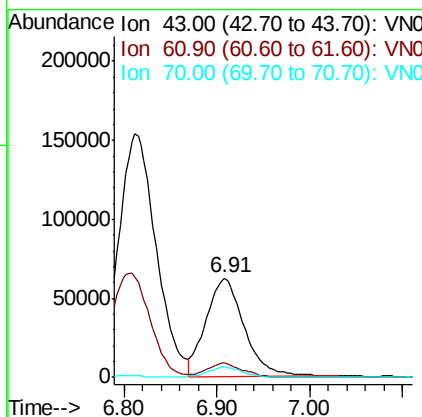
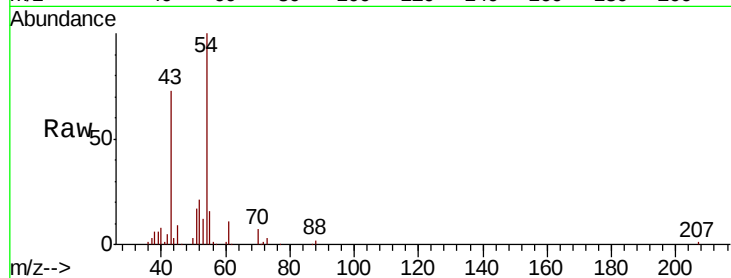
#37
Ethyl Acetate
Concen: 23.216 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.3	16.9
70	9.5	7.2	10.8

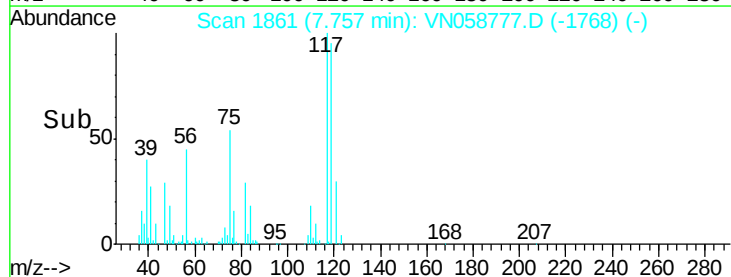
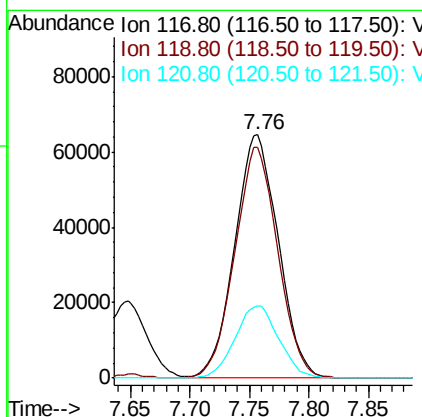
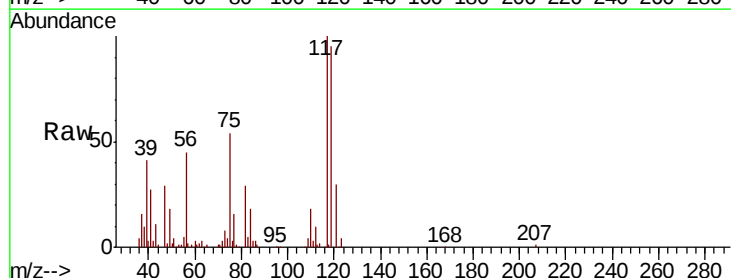
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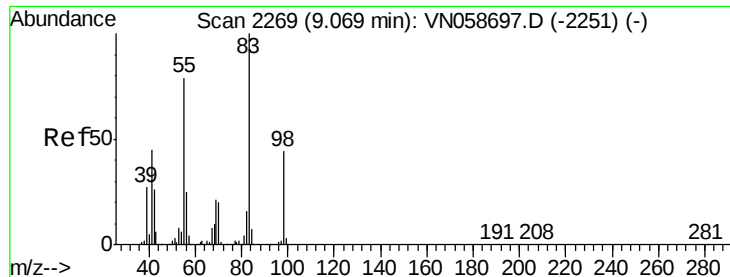
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#38
Carbon Tetrachloride
Concen: 22.199 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.7	113.5
121	29.6	23.9	35.9





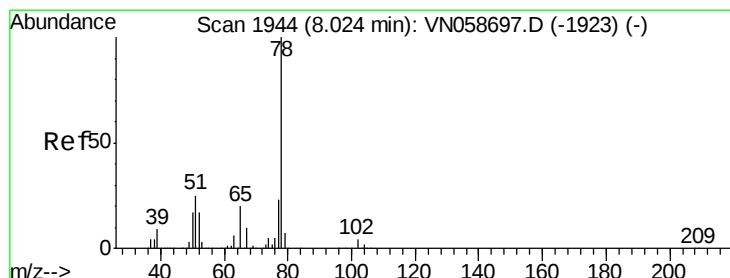
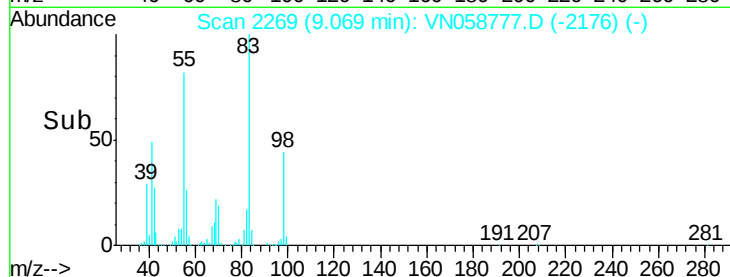
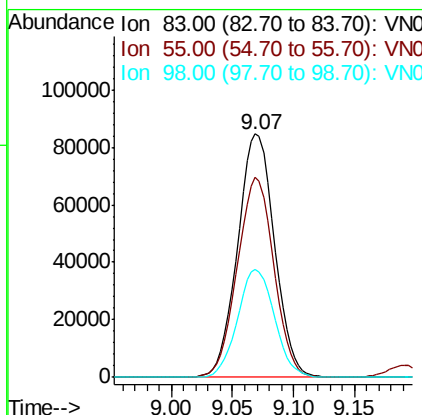
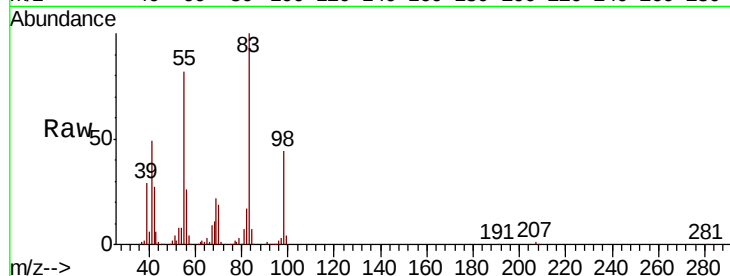
#39
Methvlcvclohexane
Concen: 20.183 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	63.4	95.0
98	44.5	35.1	52.7

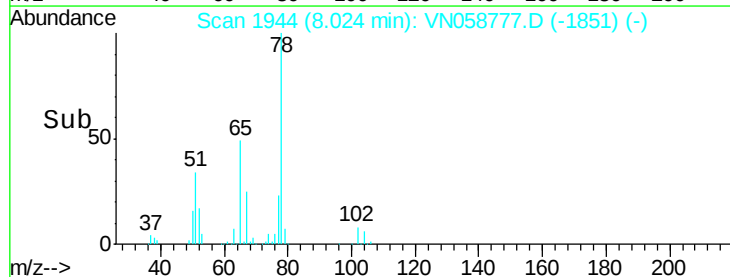
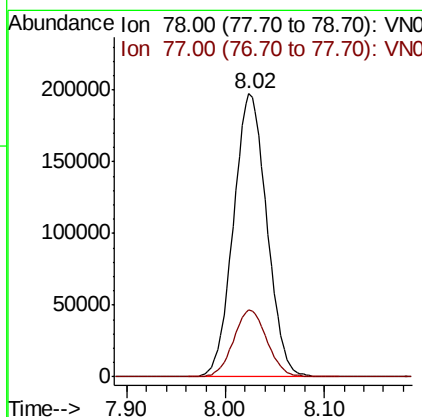
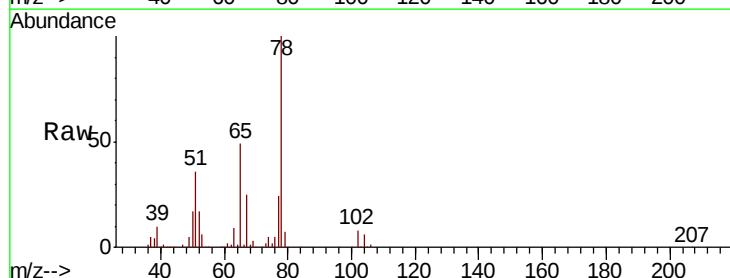
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#40
Benzene
Concen: 21.274 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





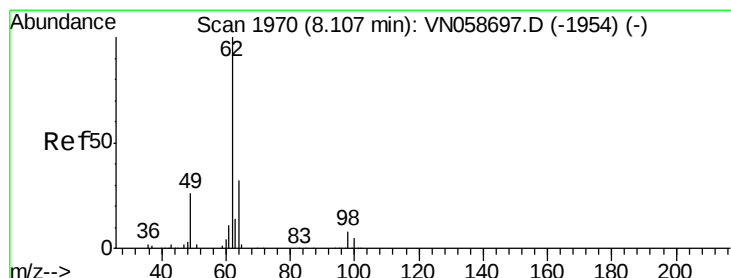
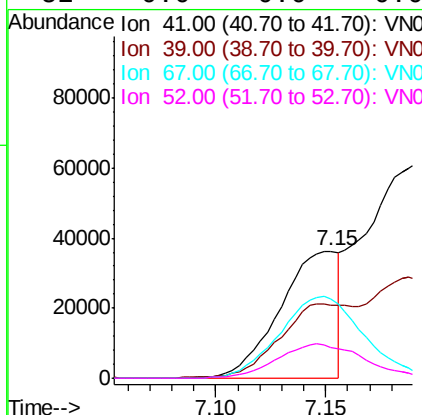
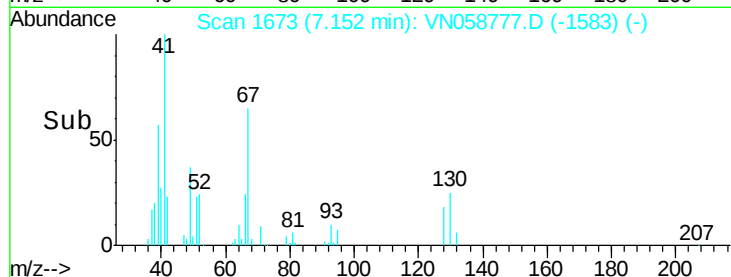
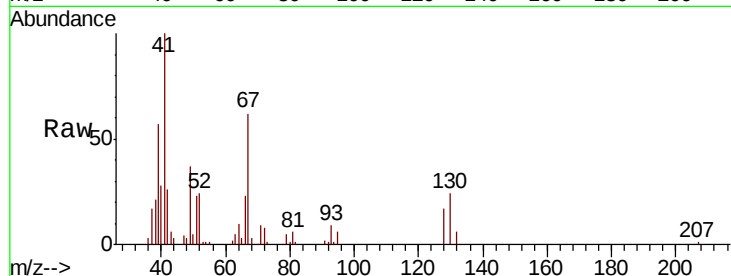
#41
Methacrylonitrile
Concen: 18.787 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion	41	Resp	67280
Ion Ratio	Lower	Upper	
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

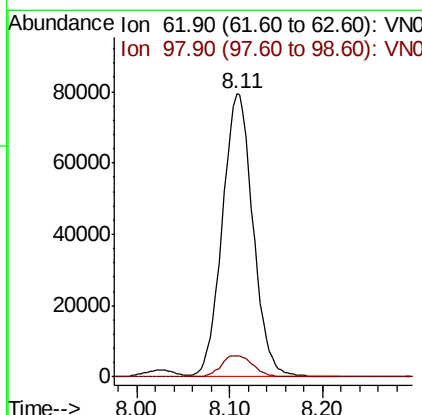
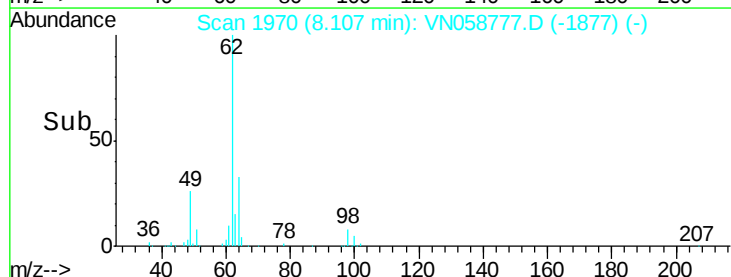
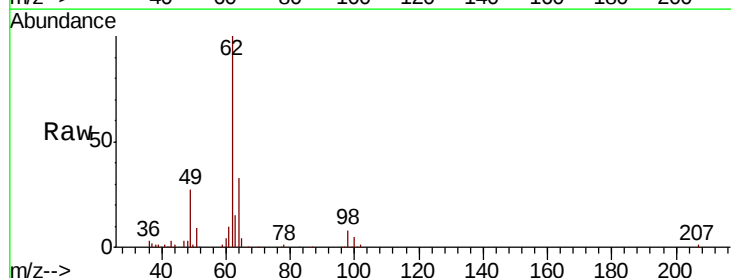
Manual Integrations
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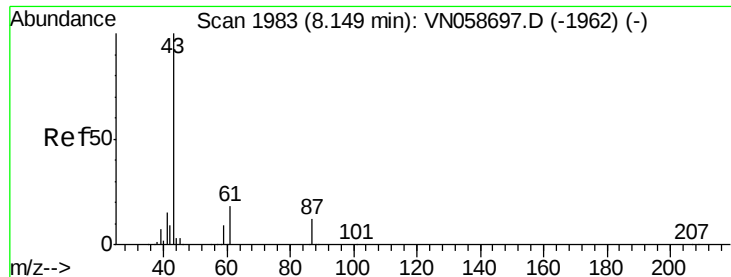
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#42
1,2-Dichloroethane
Concen: 21.857 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion	62	Resp	182427
Ion Ratio	Lower	Upper	
62	100		
98	7.8	0.0	15.8





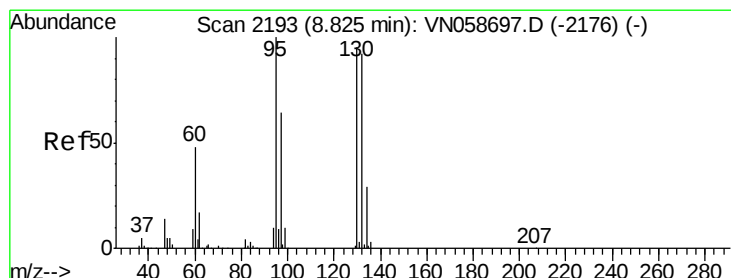
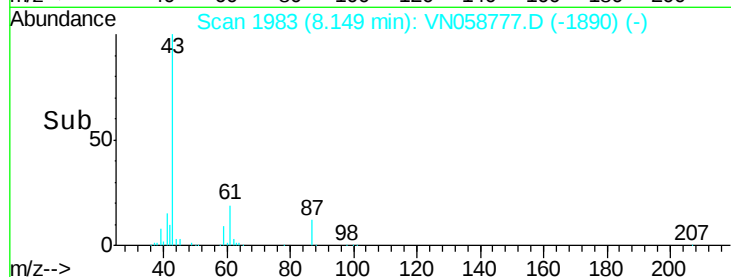
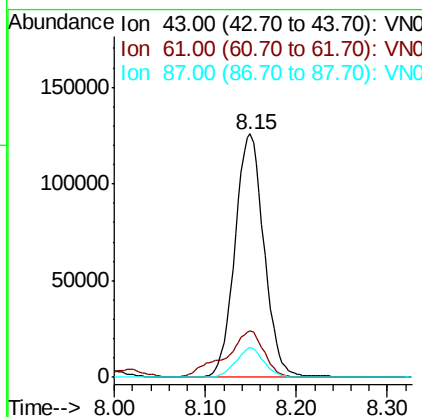
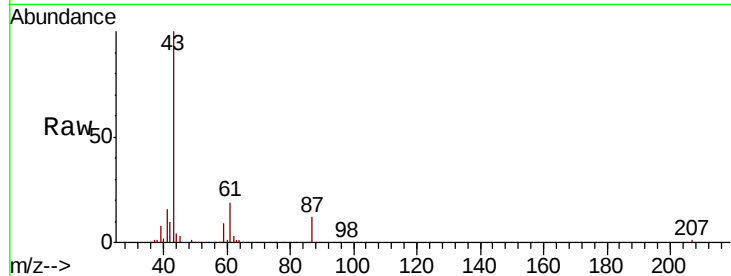
#43
Isopropyl Acetate
Concen: 21.357 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.3	30.5
87	11.7	9.8	14.6

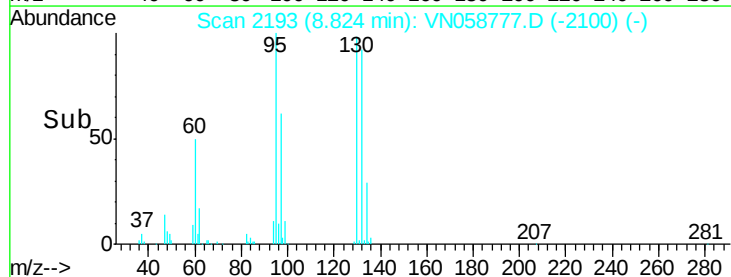
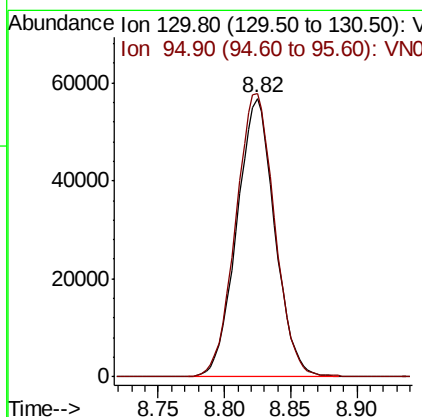
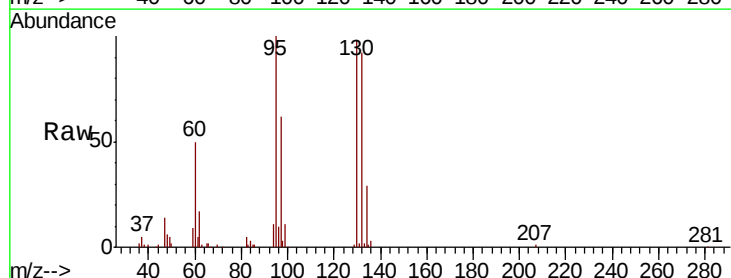
Manual Integrations
APPROVED

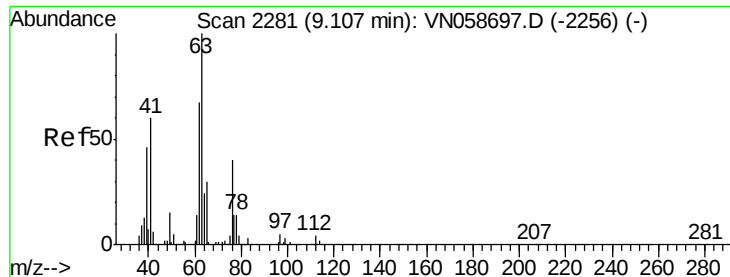
MMDadoda
10/18/2019 12:42:38 AM



#44
Trichloroethene
Concen: 20.909 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	211.2





#45

1,2-Dichloropropane

Concen: 21.319 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tot Ion: 63 Resp: 123990

Ion Ratio Lower Upper

63 100

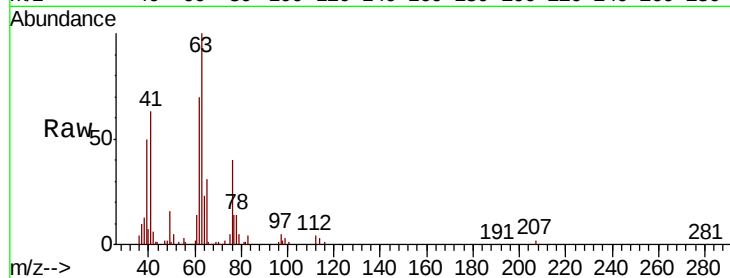
65 30.9 24.1 36.1

Manual Integrations

APPROVED

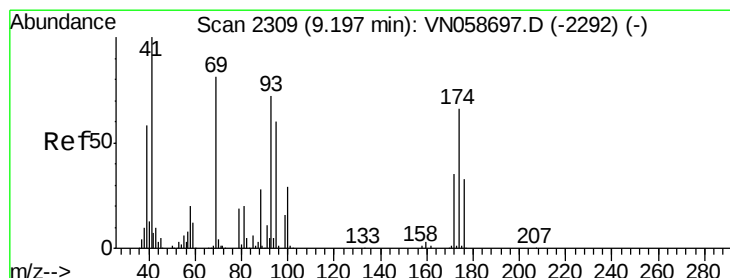
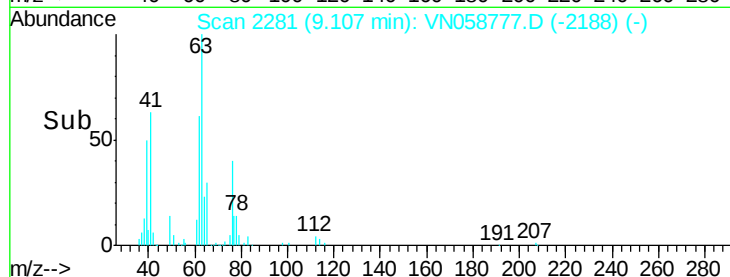
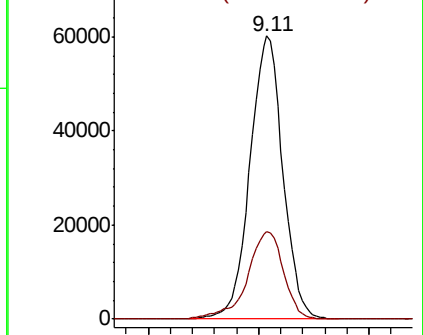
MMDadoda

10/18/2019 12:42:38 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.567 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

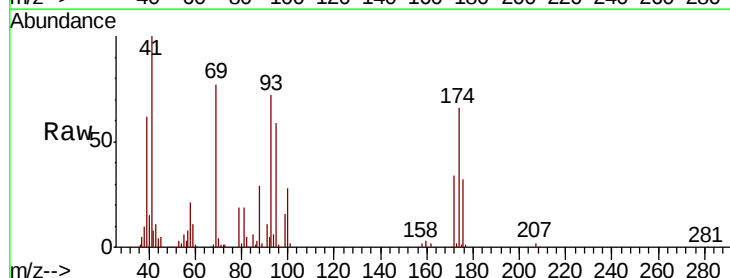
Tgt Ion: 93 Resp: 79523

Ion Ratio Lower Upper

93 100

95 82.7 66.6 100.0

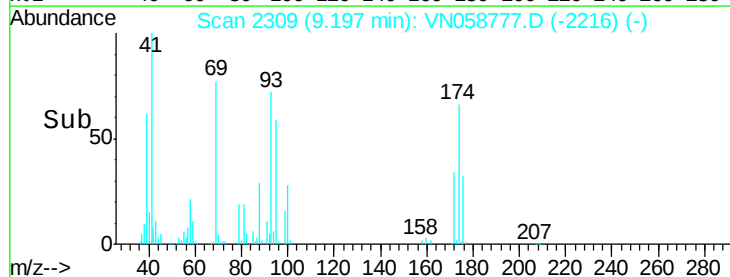
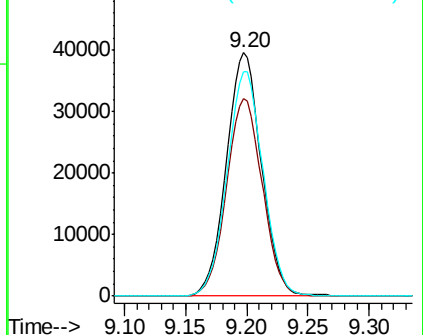
174 94.1 75.2 112.8

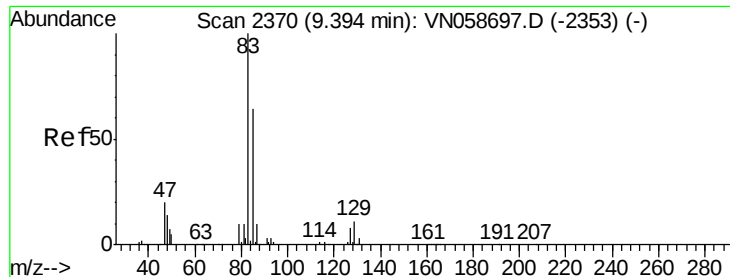


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.027 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

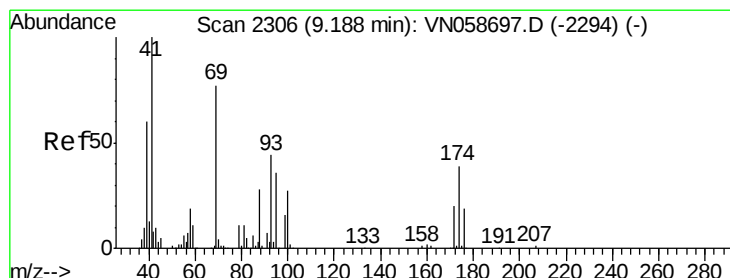
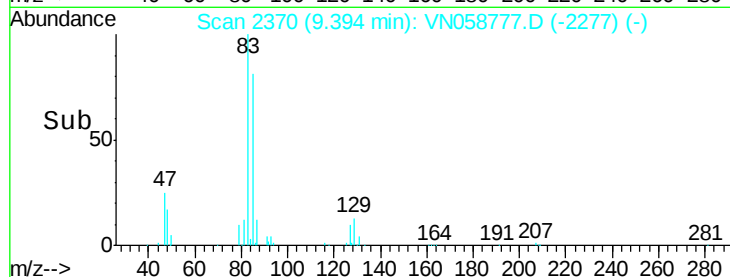
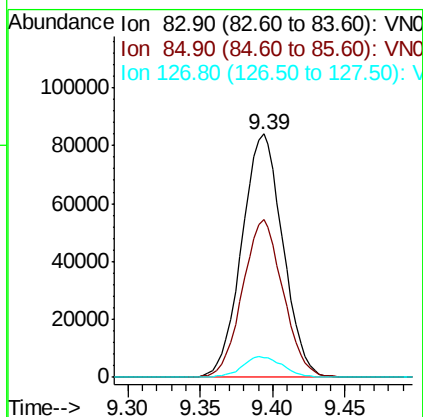
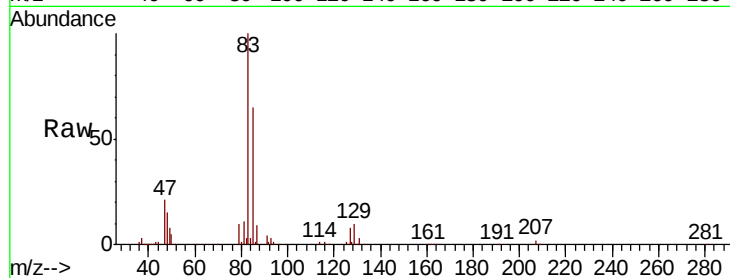
ClientSampleId :

VN1015WBS01

Tot Ion:	83	Resp:	165390
Ion Ratio	Lower	Upper	
83	100		
85	64.9	50.9	76.3
127	8.3	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.586 ug/l

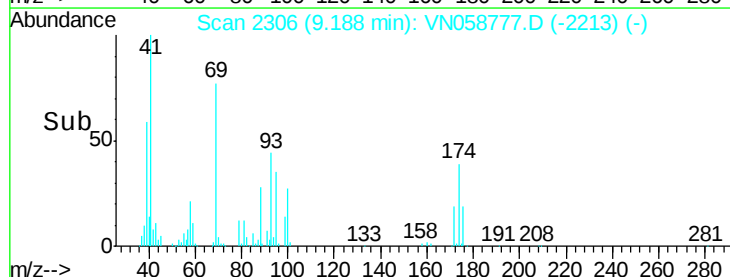
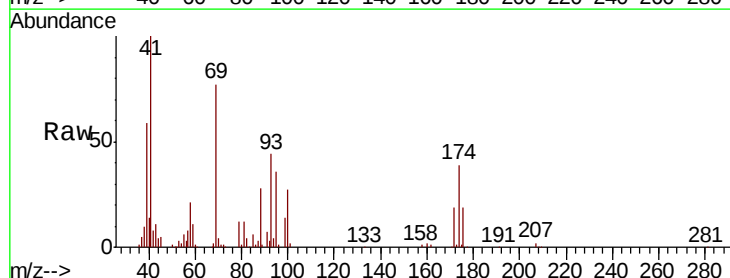
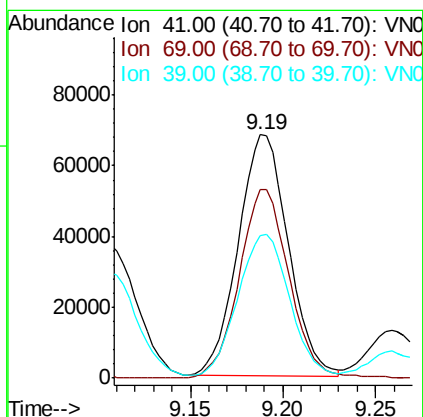
RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Tgt Ion:	41	Resp:	127522
Ion Ratio	Lower	Upper	
41	100		
69	78.4	63.4	95.2
39	61.9	48.9	73.3





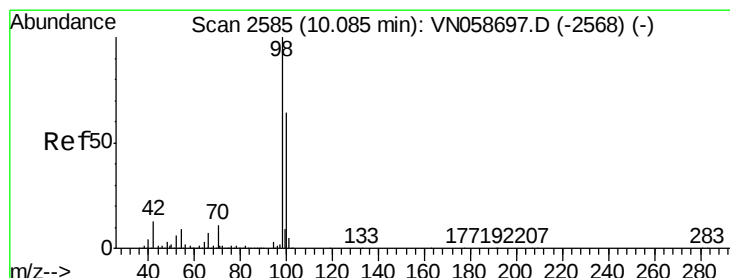
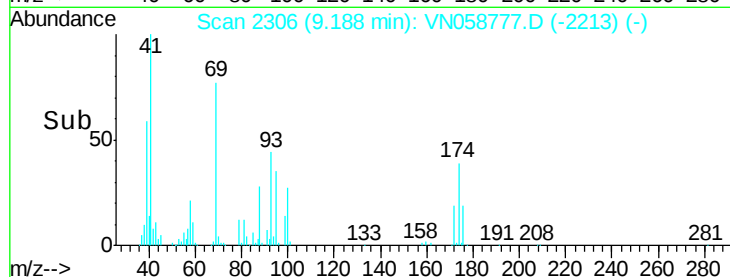
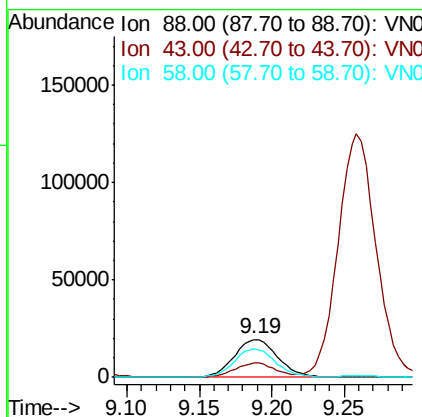
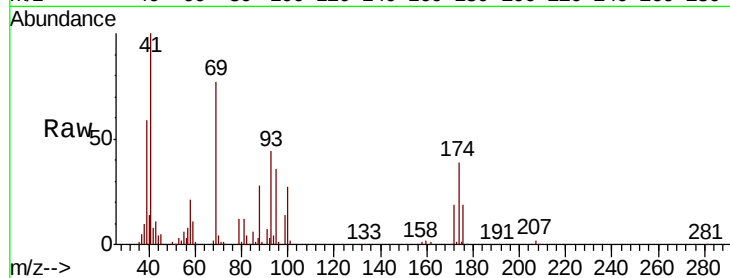
#49
1,4-Dioxane
Concen: 444.130 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.6	43.0
58	72.1	57.2	85.8

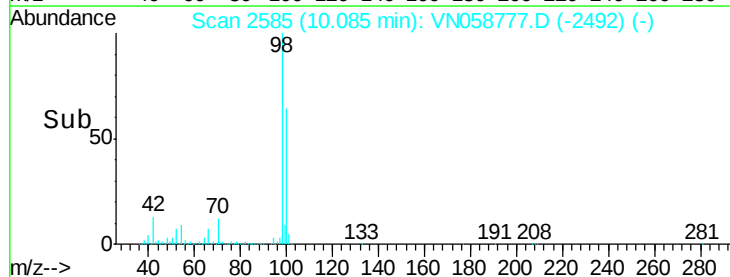
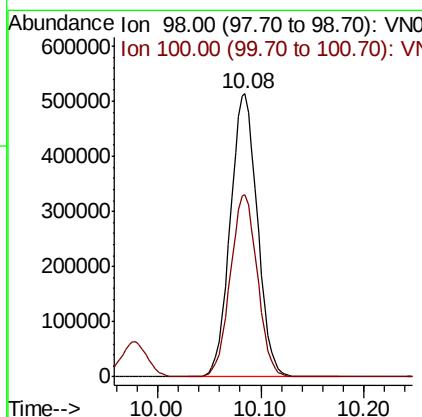
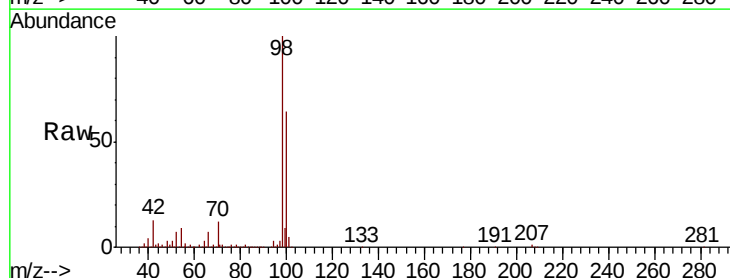
Manual Integrations
APPROVED

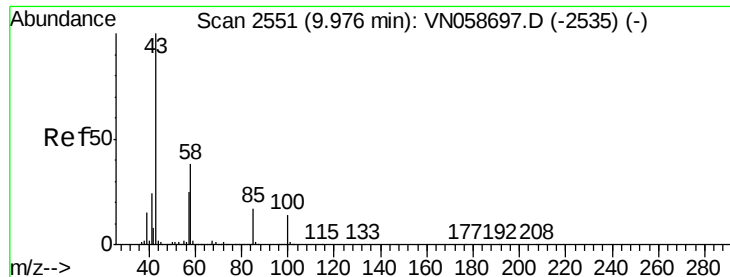
MMDadoda
10/18/2019 12:42:38 AM



#50
Toluene-d8
Concen: 50.763 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 120.071 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tot Ion: 43 Resp: 878824

Ion Ratio Lower Upper

43 100

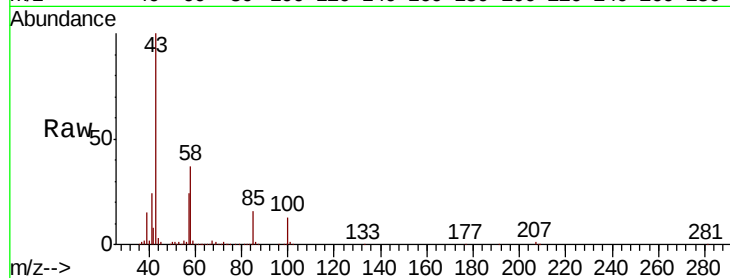
58 36.9 30.3 45.5

Manual Integrations

APPROVED

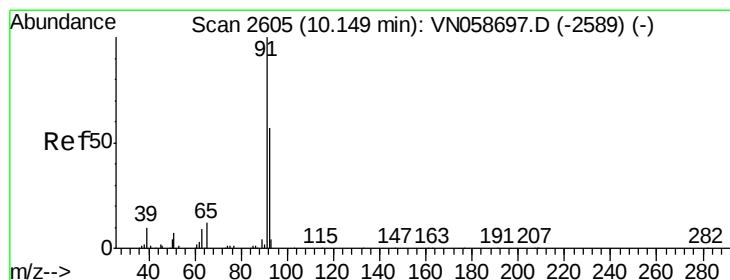
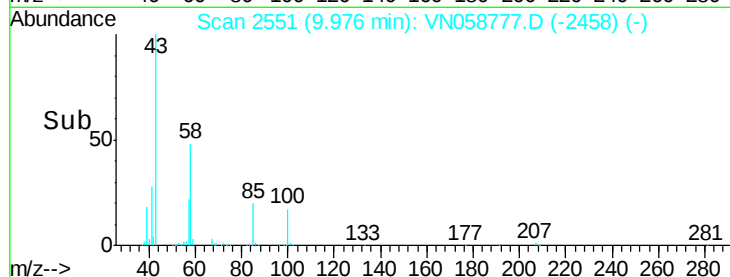
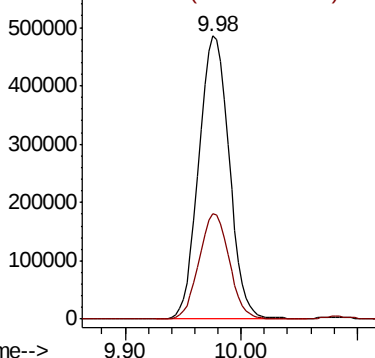
MMDadoda

10/18/2019 12:42:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 21.101 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058777.D

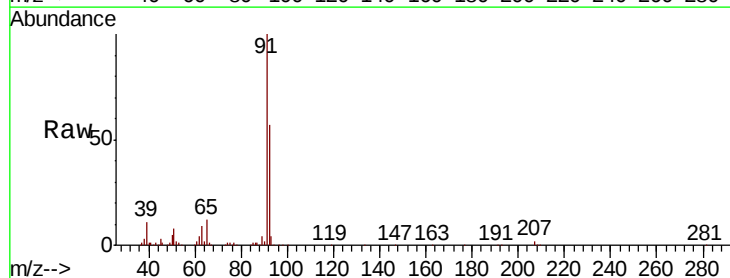
Acq: 15 Oct 2019 13:20

Tgt Ion: 92 Resp: 280374

Ion Ratio Lower Upper

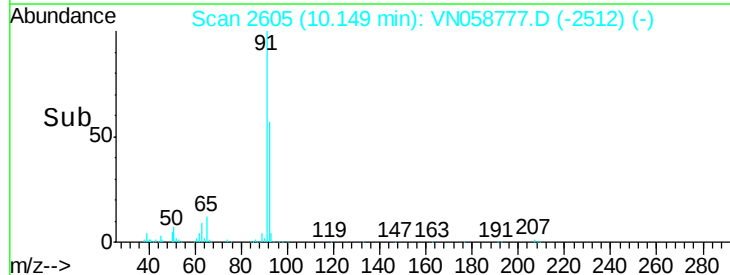
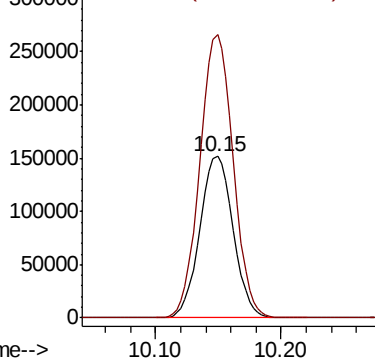
92 100

91 175.7 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





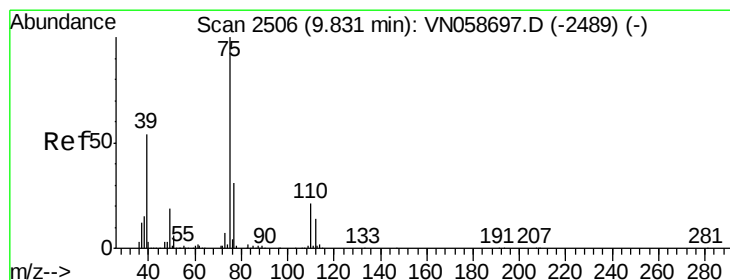
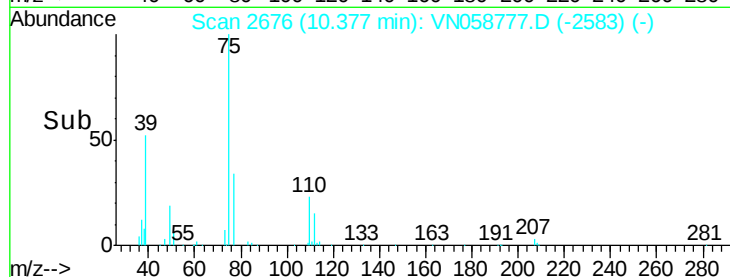
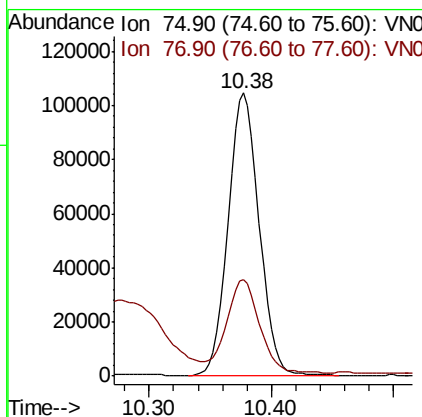
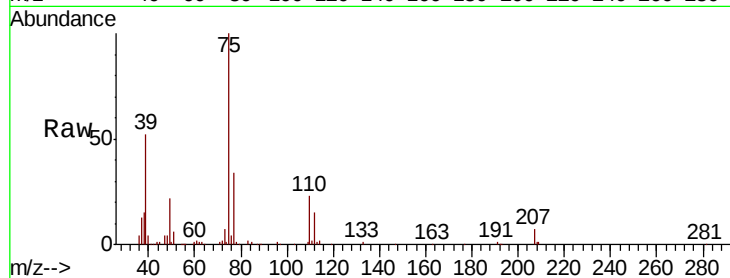
#53
t-1,3-Dichloropropene
Concen: 21.357 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion: 75 Resp: 183926
Ion Ratio Lower Upper
75 100
77 33.0 26.2 39.4

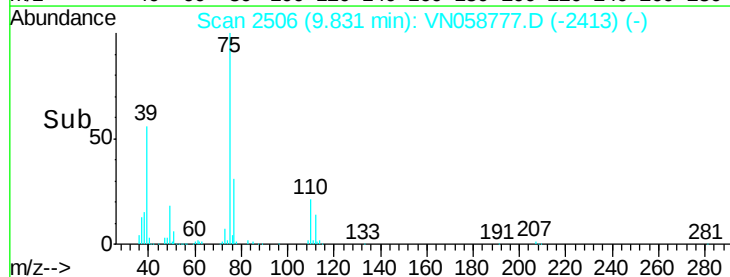
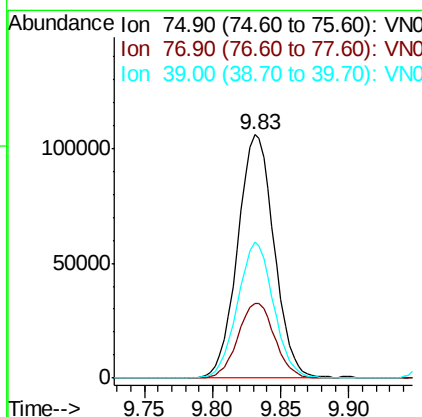
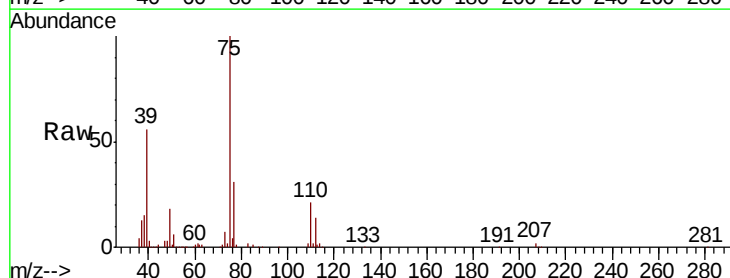
Manual Integrations
APPROVED

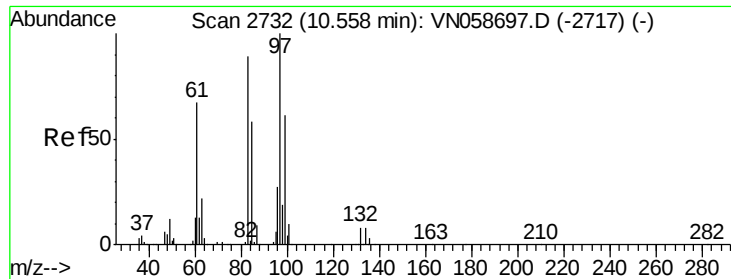
MMDadoda
10/18/2019 12:42:38 AM



#54
cis-1,3-Dichloropropene
Concen: 21.523 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion: 75 Resp: 196800
Ion Ratio Lower Upper
75 100
77 30.8 24.4 36.6
39 55.8 43.1 64.7





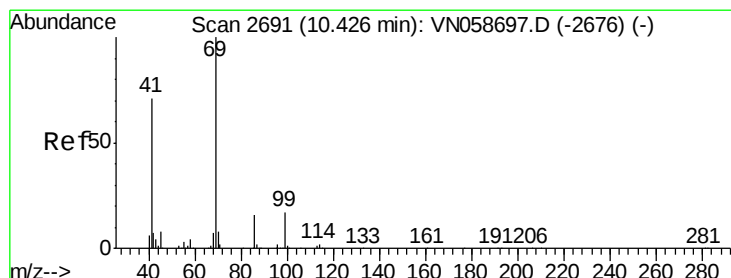
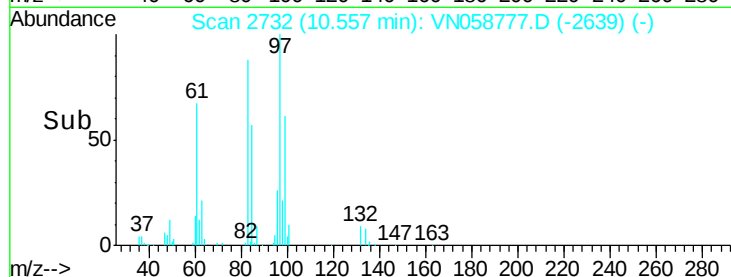
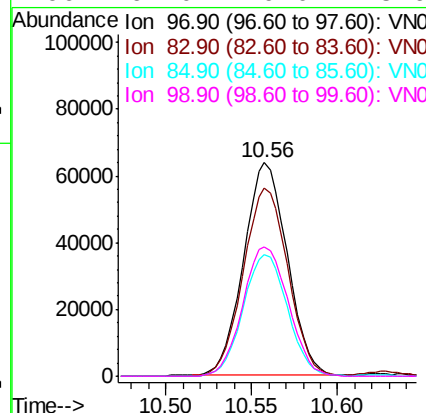
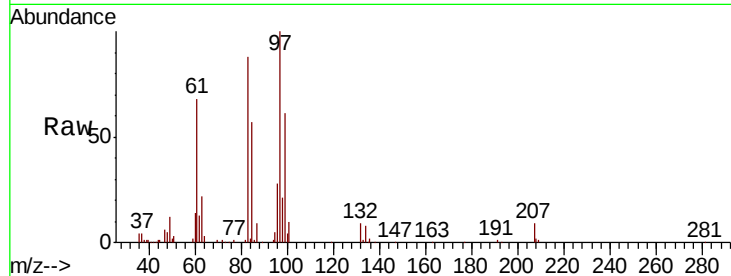
#55
 1,1,2-Trichloroethane
 Concen: 20.667 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.2	71.2	106.8
85	56.9	46.7	70.1
99	61.0	49.0	73.6

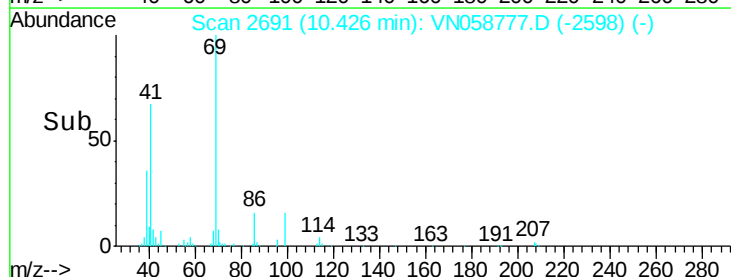
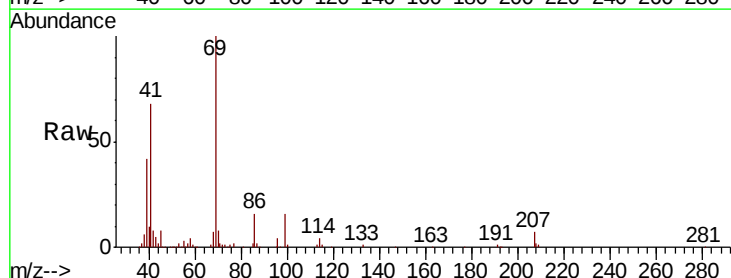
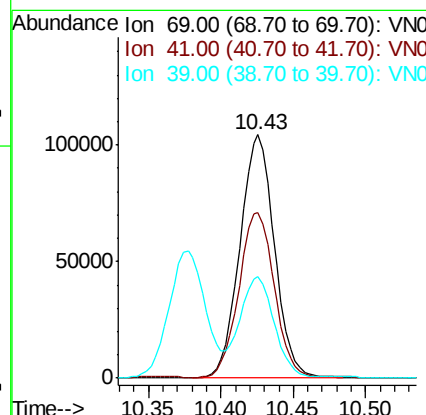
Manual Integrations
 APPROVED

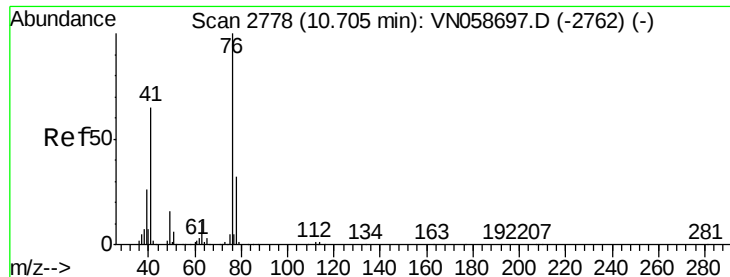
MMDadoda
 10/18/2019 12:42:38 AM



#56
 Ethyl methacrylate
 Concen: 21.761 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.2	56.8	85.2
39	40.4	32.5	48.7





#57

1,3-Dichloropropane

Concen: 21.603 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tot Ion: 76 Resp: 200209

Ion Ratio Lower Upper

76 100

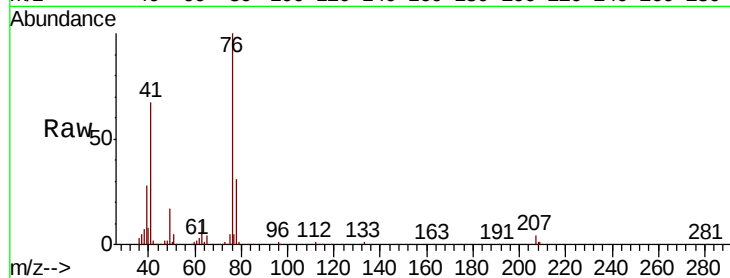
78 31.6 25.9 38.9

Manual Integrations

APPROVED

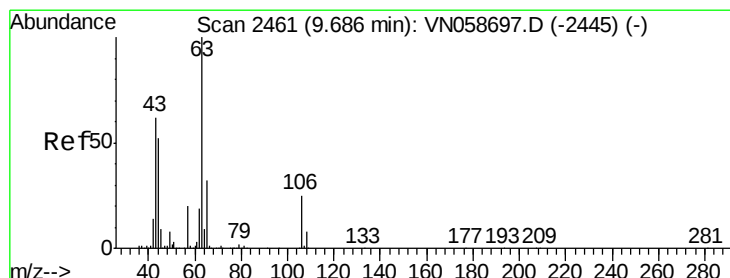
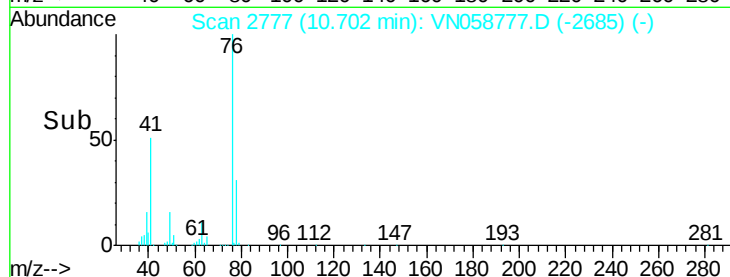
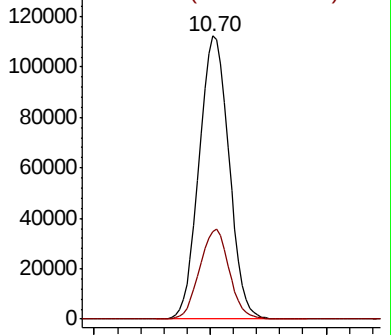
MMDadoda

10/18/2019 12:42:38 AM



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: 106.768 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058777.D

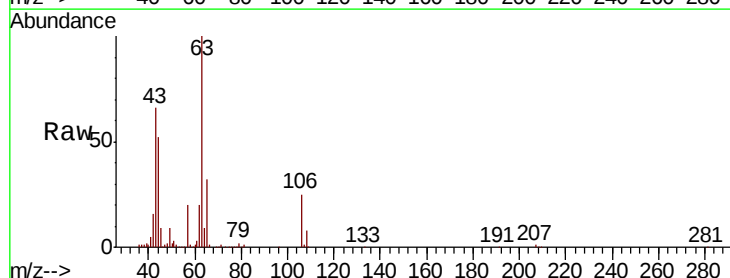
Acq: 15 Oct 2019 13:20

Tgt Ion: 63 Resp: 408812

Ion Ratio Lower Upper

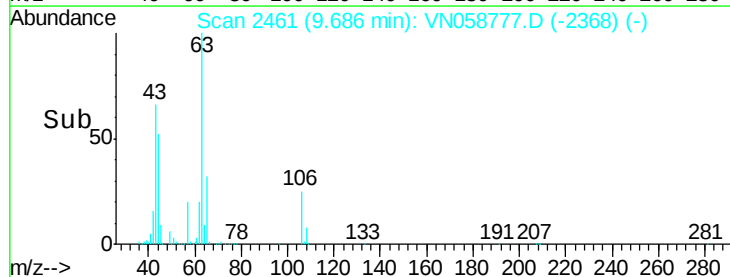
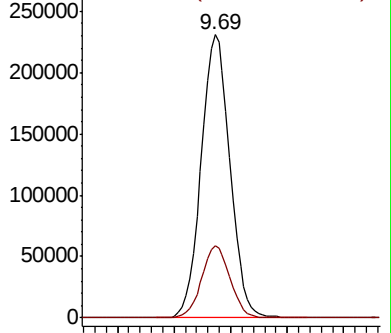
63 100

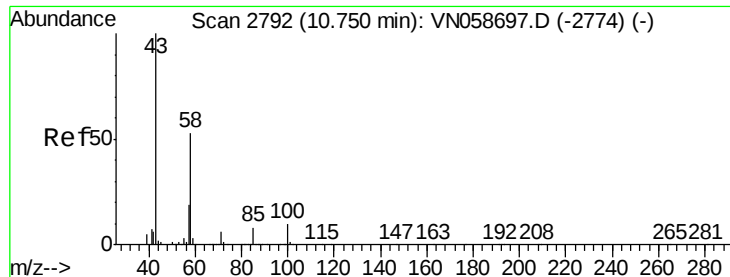
106 25.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





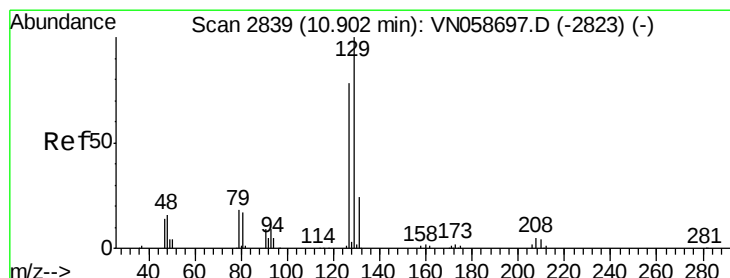
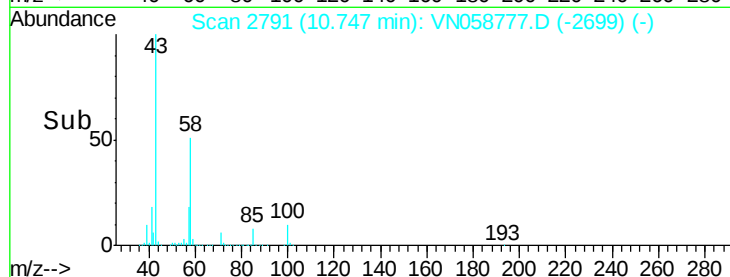
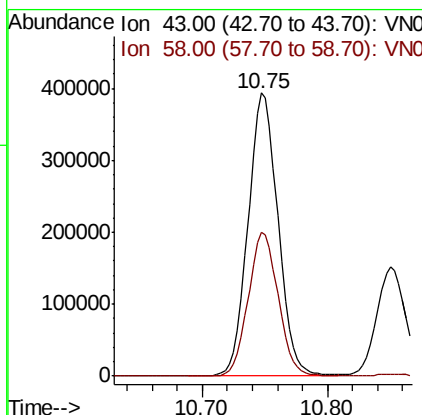
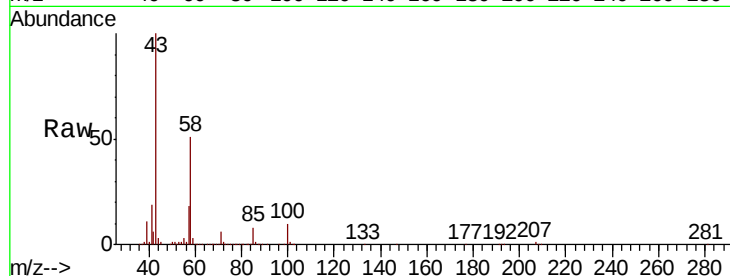
#59
2-Hexanone
Concen: 115.868 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.9	26.1	78.3

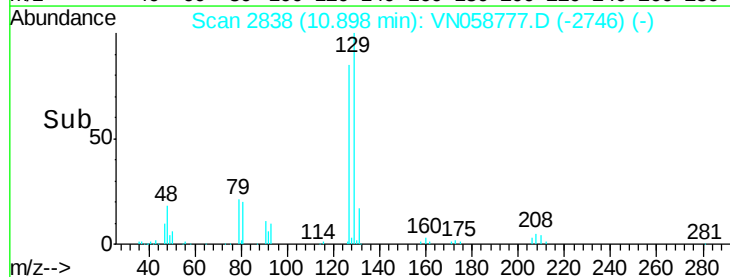
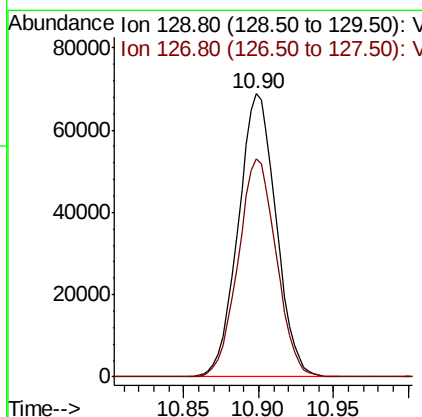
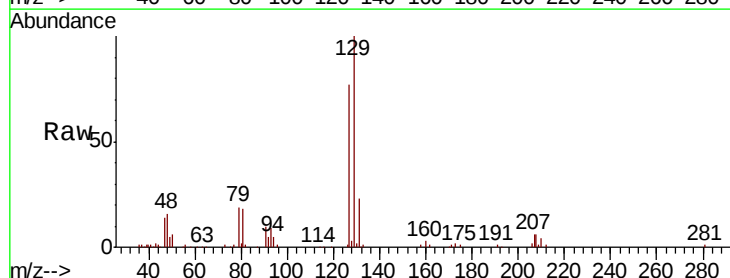
Manual Integrations
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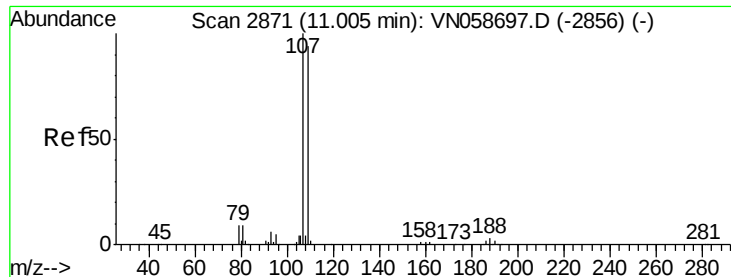
MMDadoda
10/18/2019 12:42:38 AM



#60
Dibromochloromethane
Concen: 21.582 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.5	115.3





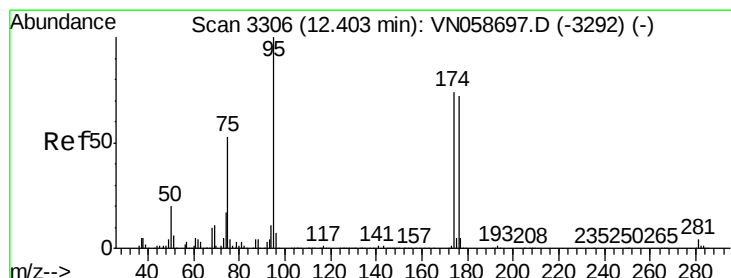
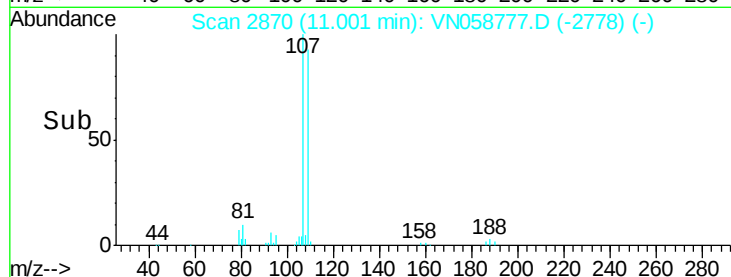
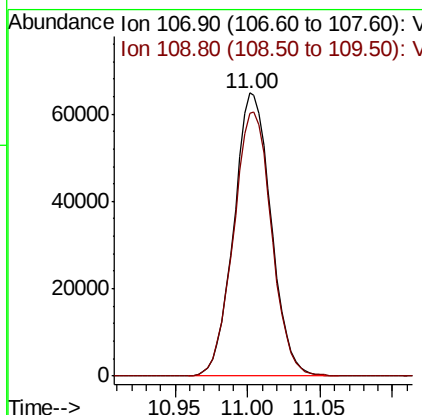
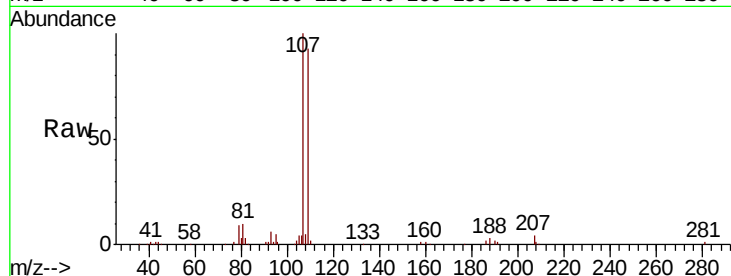
#61
1,2-Dibromoethane
Concen: 21.228 ug/l
RT: 11.00 min Scan# 2870
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.4	113.0

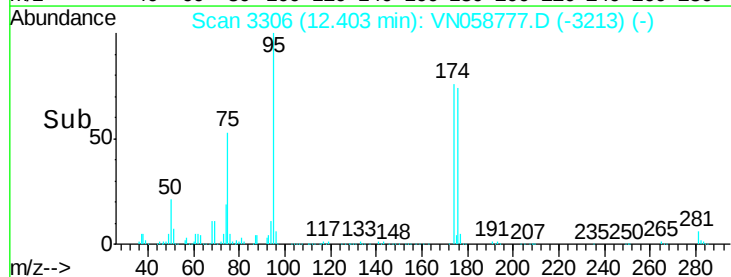
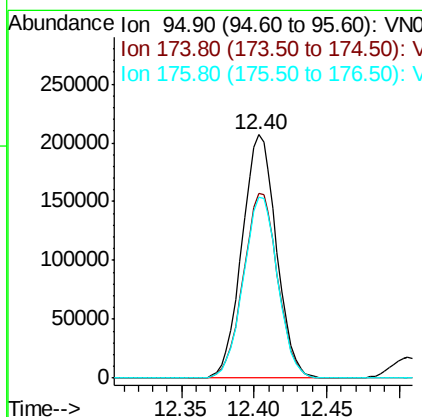
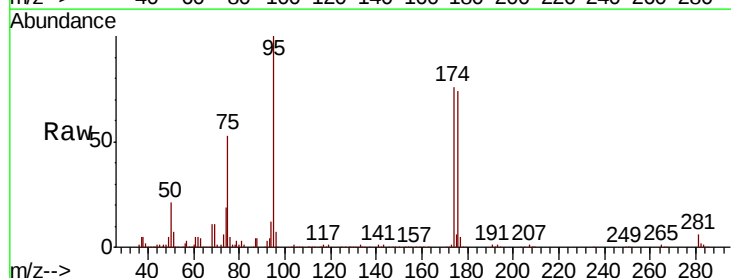
Manual Integrations
APPROVED

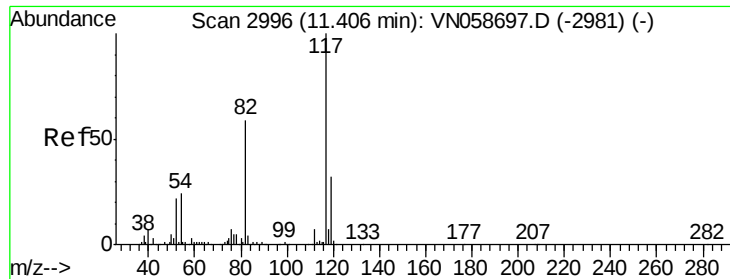
MMDadoda
10/18/2019 12:42:38 AM



#62
4-Bromofluorobenzene
Concen: 48.828 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	150.4
176	74.3	0.0	146.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

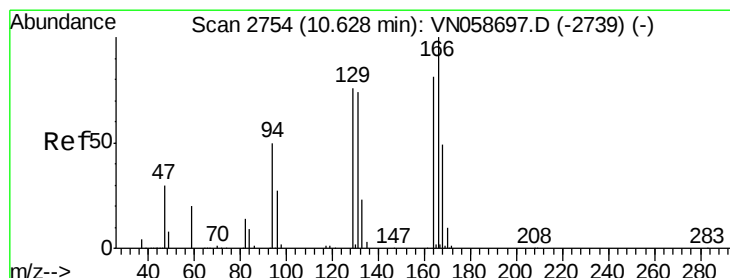
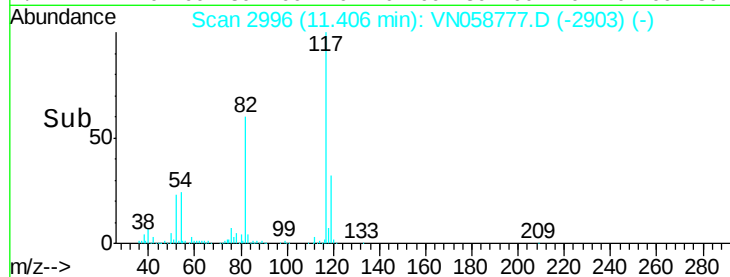
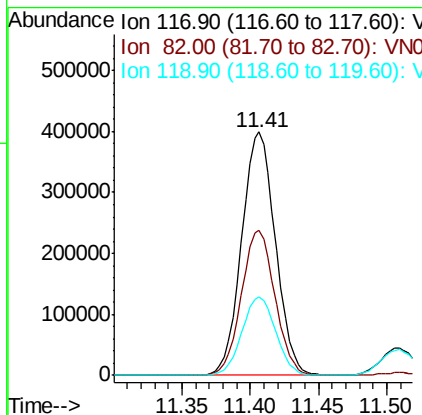
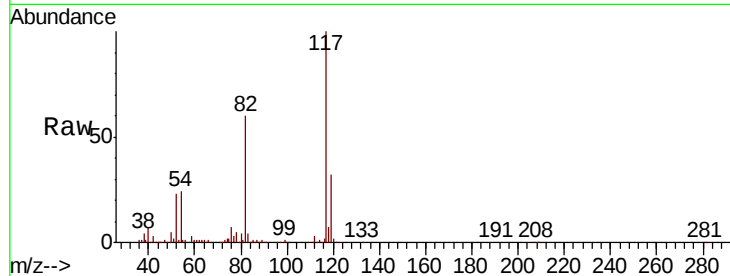
ClientSampleId :

VN1015WBS01

Tot Ion:	117	Resp:	684335
Ion Ratio	Lower	Upper	
117	100		
82	59.7	47.0	70.4
119	32.4	25.4	38.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 20.990 ug/l

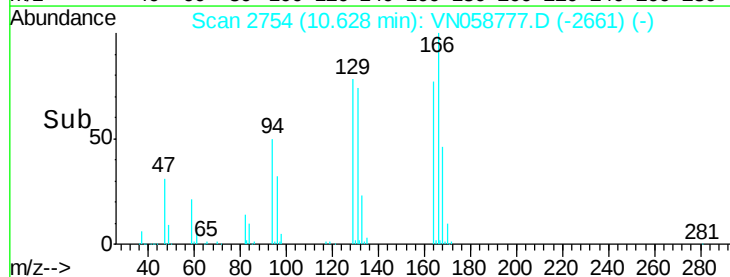
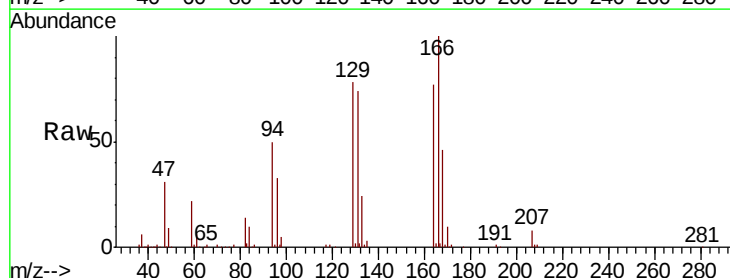
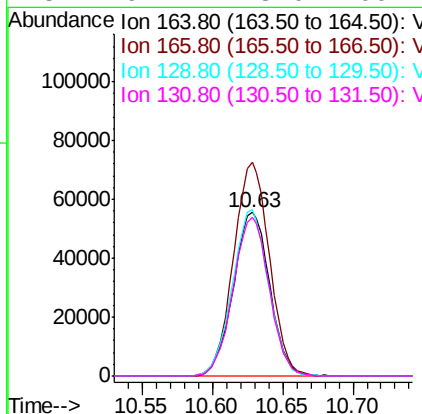
RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Tgt Ion:	164	Resp:	100525
Ion Ratio	Lower	Upper	
164	100		
166	130.4	99.3	148.9
129	101.6	75.2	112.8
131	97.2	73.0	109.4





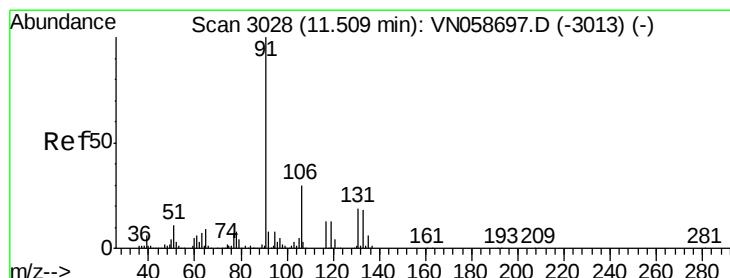
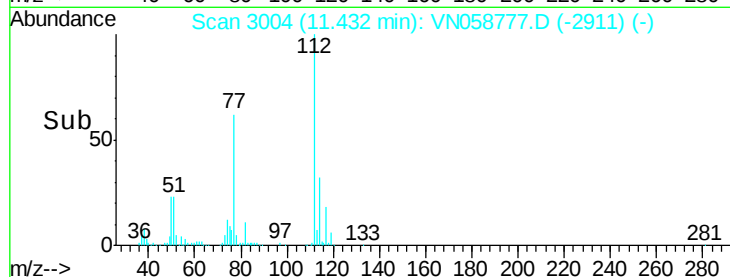
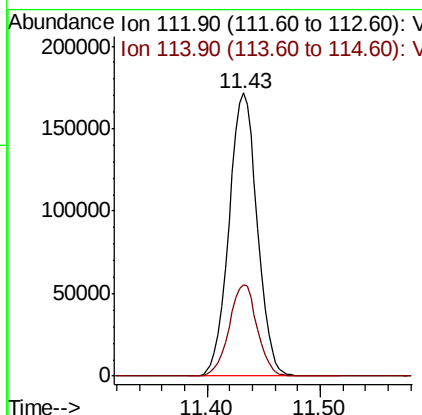
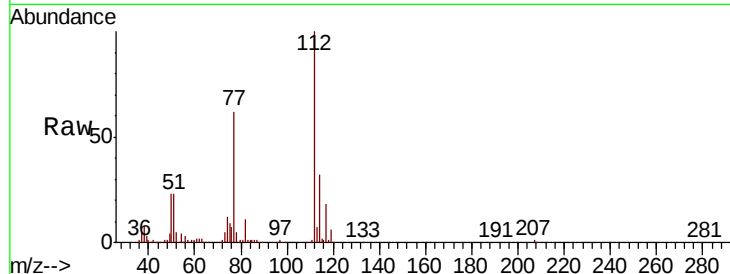
#65
Chlorobenzene
Concen: 21.445 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.2	37.8

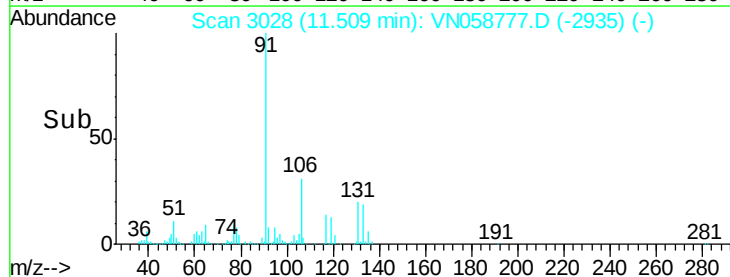
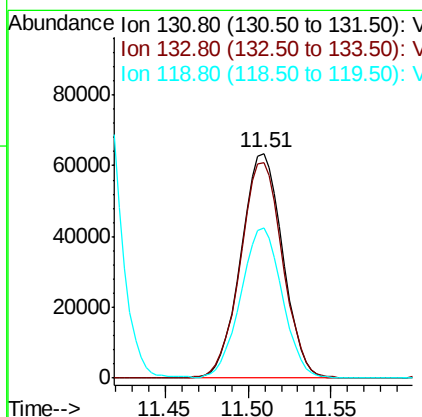
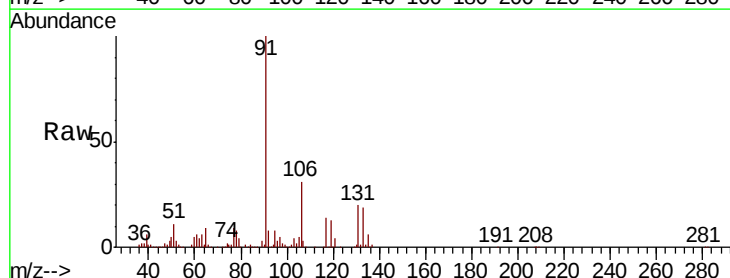
Manual Integrations
APPROVED

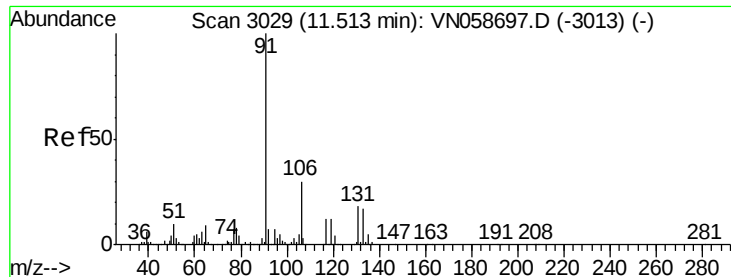
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.660 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.6	142.9
119	66.4	33.0	98.9





#67

Ethyl Benzene

Concen: 21.700 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tot Ion: 91 Resp: 537576

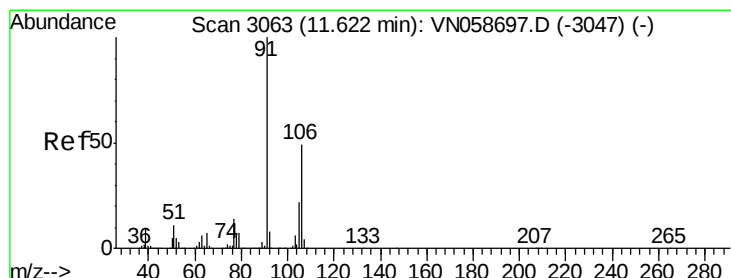
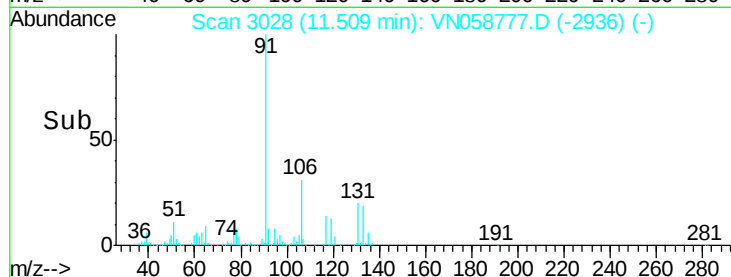
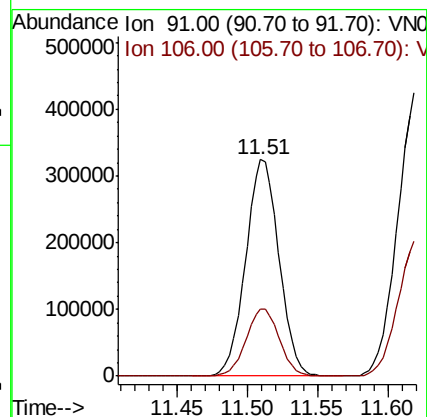
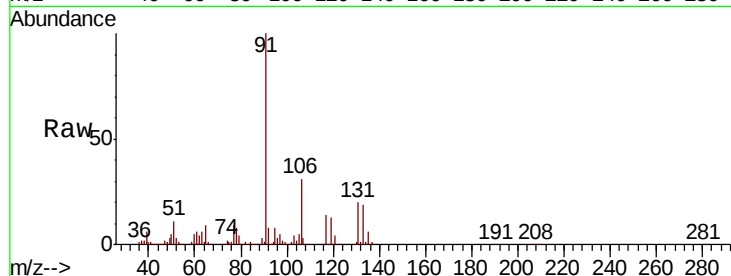
Ion Ratio Lower Upper

91 100

106 31.1 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 42.800 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058777.D

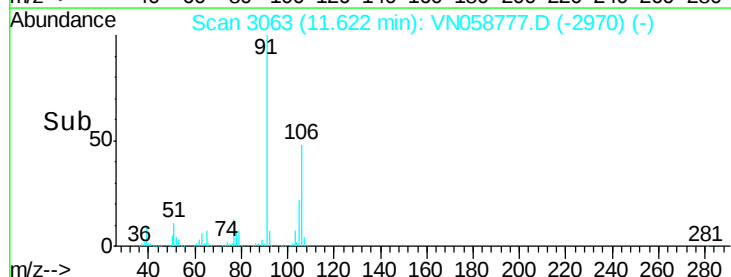
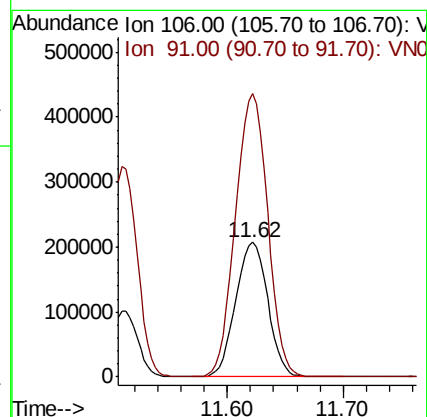
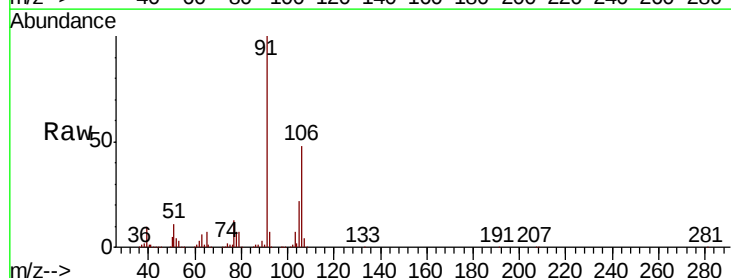
Acq: 15 Oct 2019 13:20

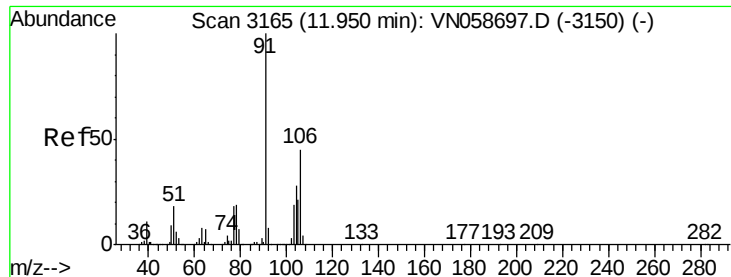
Tgt Ion: 106 Resp: 397905

Ion Ratio Lower Upper

106 100

91 210.7 165.7 248.5





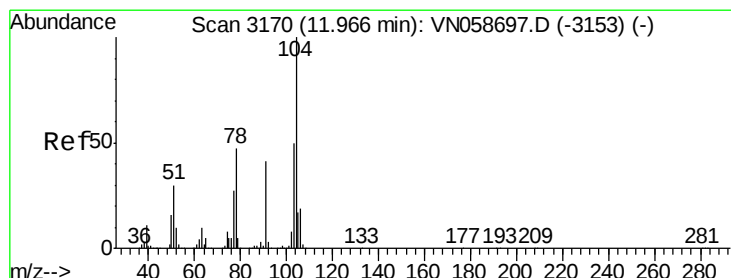
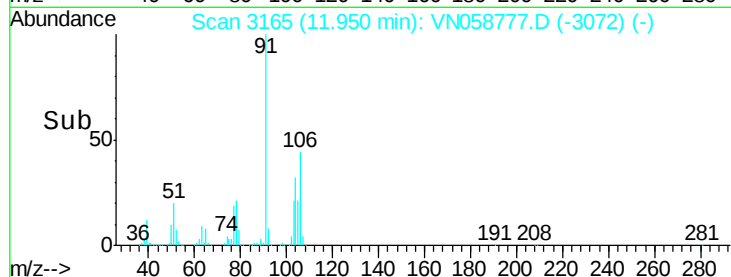
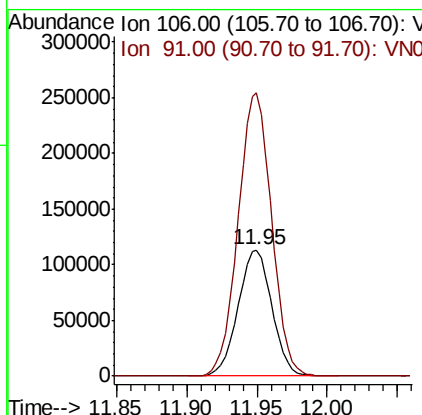
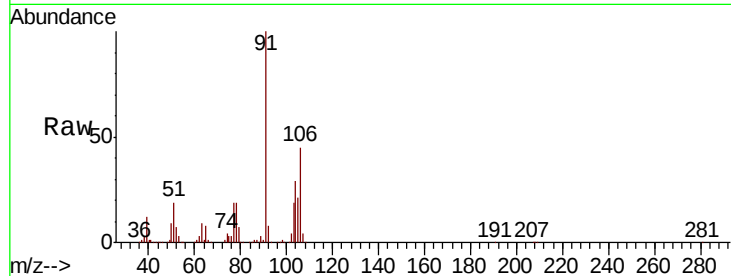
#69
o-Xylene
Concen: 21.129 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.5	110.9	332.9

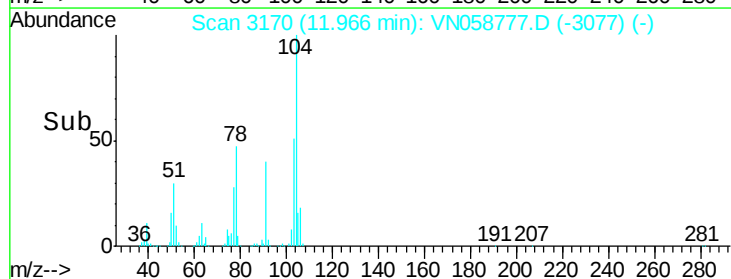
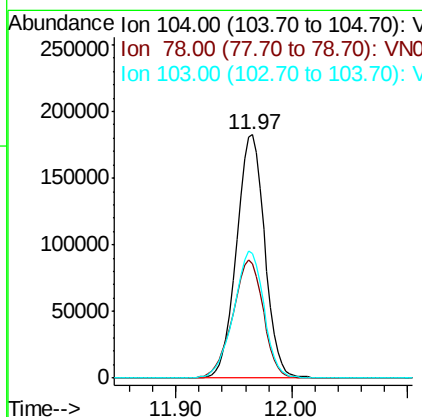
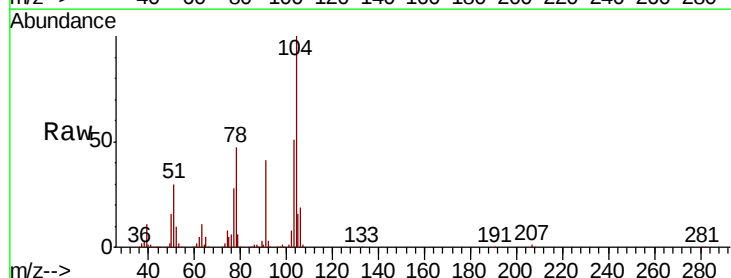
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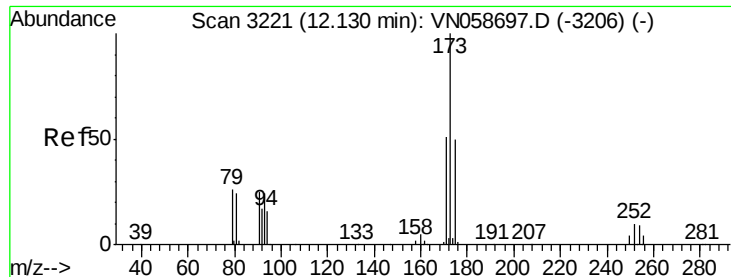
MMDadoda
10/18/2019 12:42:38 AM



#70
Styrene
Concen: 20.844 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.2	63.2
103	56.0	43.7	65.5





#71

Bromoform

Concen: 21.985 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

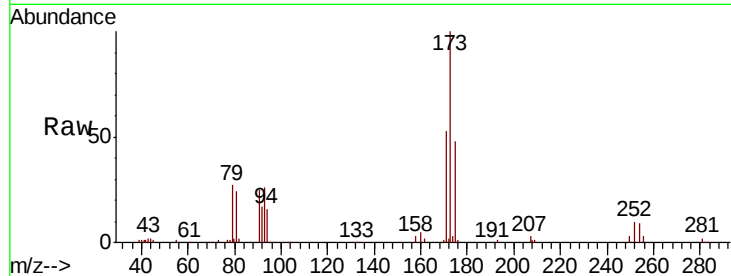
ClientSampleId :

VN1015WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.6	73.8
254	0.0	0.1	0.1#

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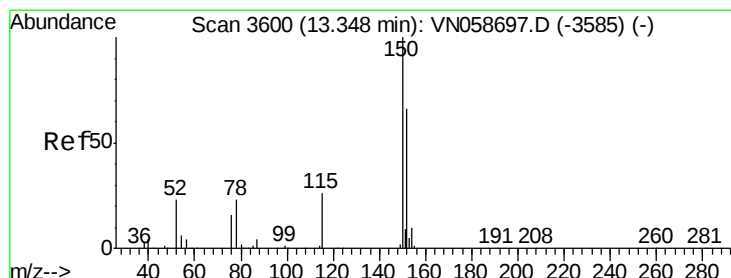
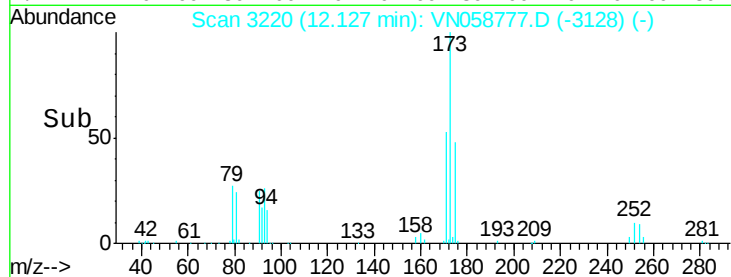
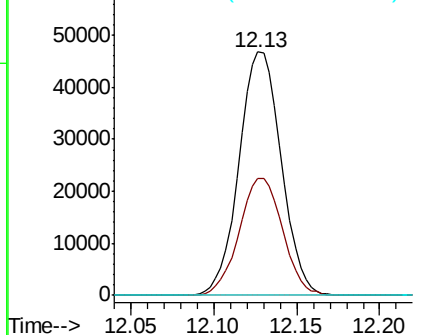


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

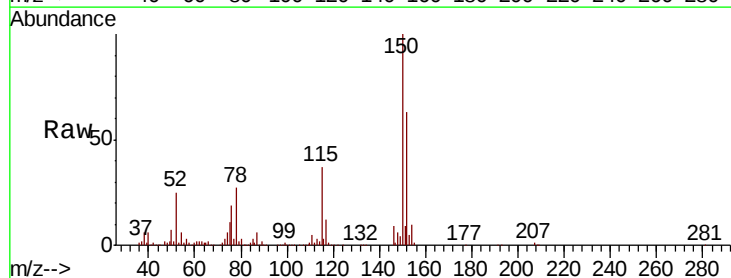
RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.4	91.2
150	166.0	0.0	345.4

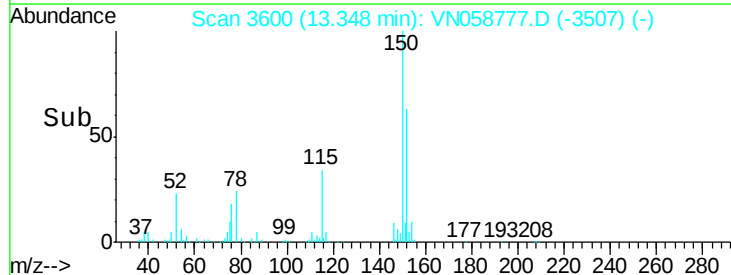
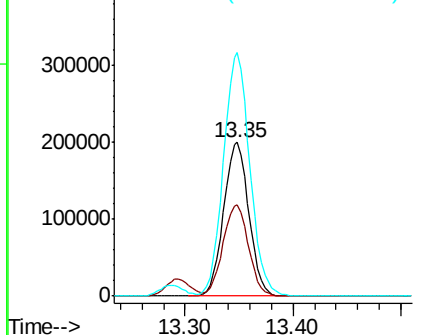


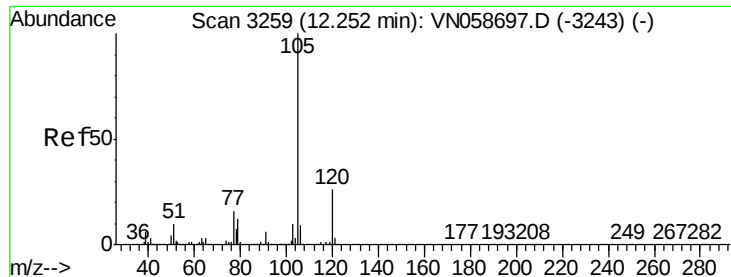
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.181 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058777.D

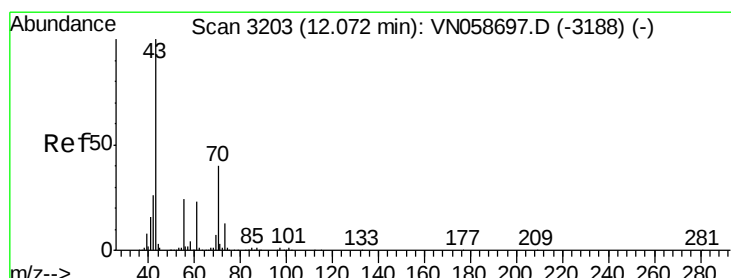
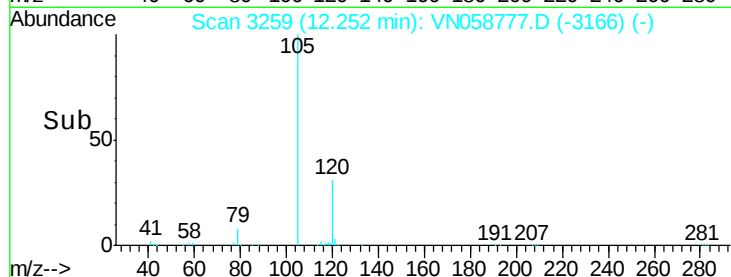
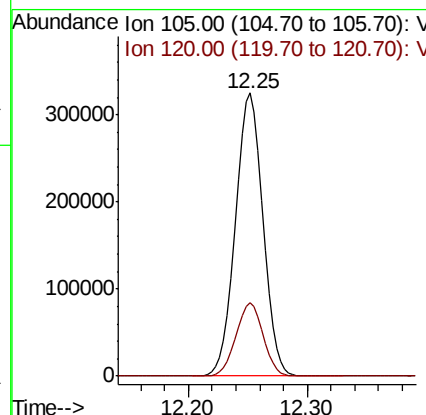
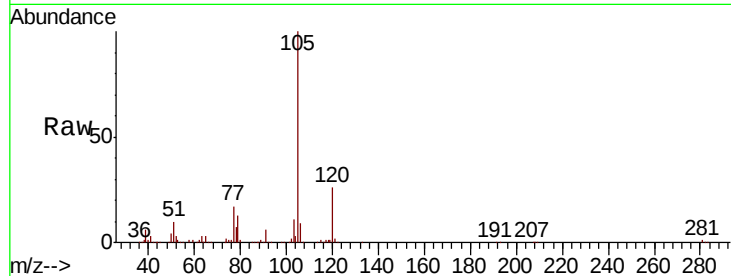
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	520562		
120	25.6		13.1	39.1

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#74

N-ethyl acetate

Concen: 22.324 ug/l

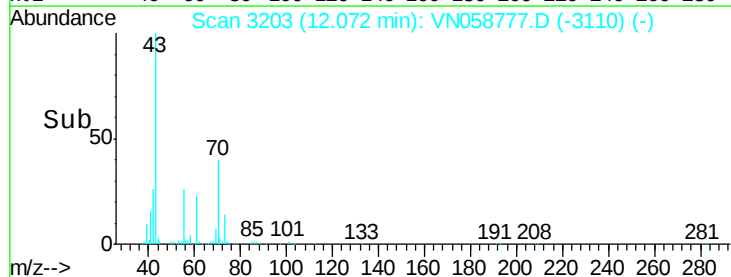
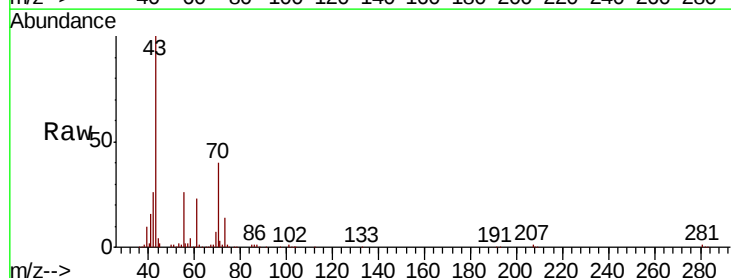
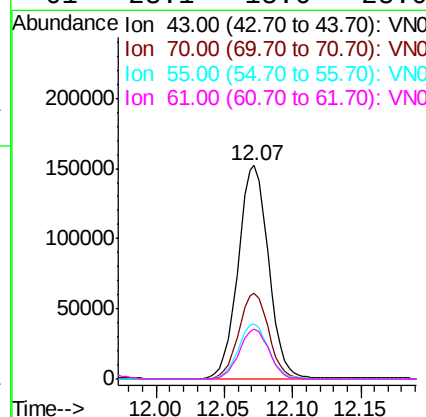
RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	235320		
70	40.0		32.2	48.4
55	25.8		19.6	29.4
61	23.1		18.6	28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.303 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

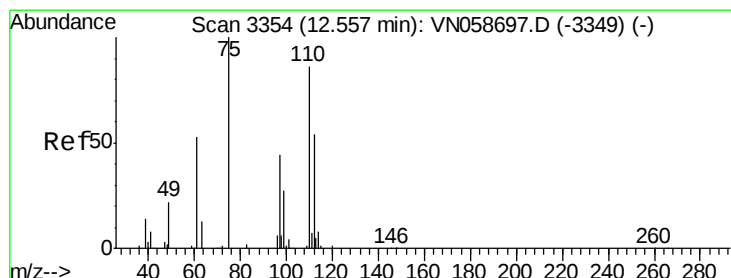
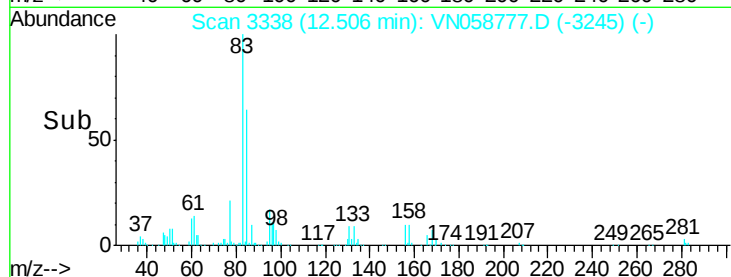
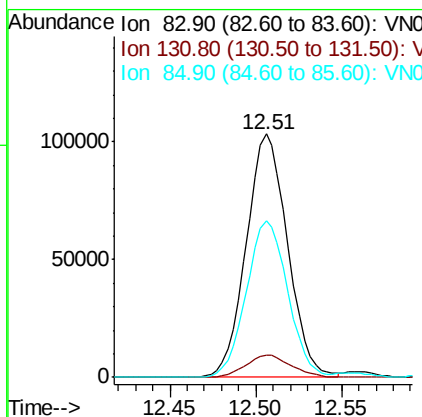
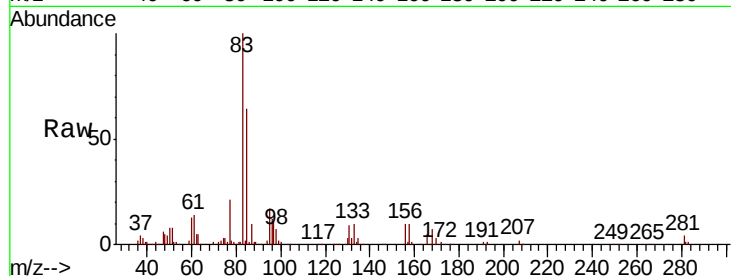
ClientSampleId :

VN1015WBS01

Tot Ion:	83	Resp:	172438
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.8	14.4
85	64.5	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.468 ug/l m

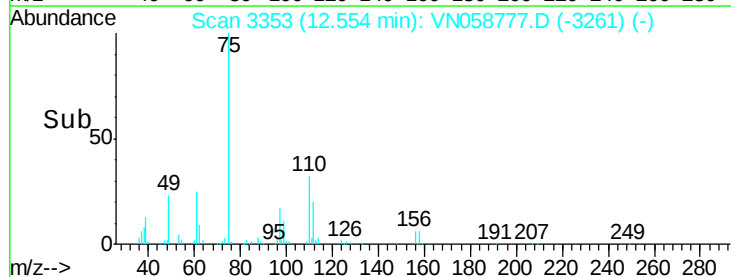
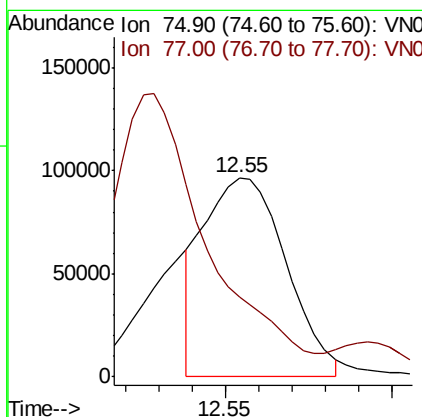
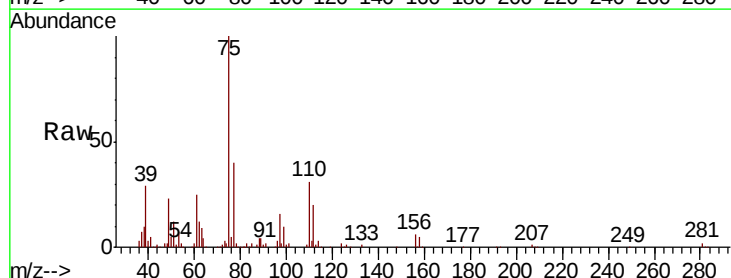
RT: 12.55 min Scan# 3353

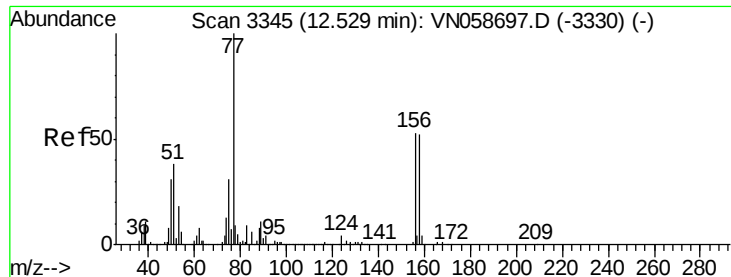
Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Tgt Ion:	75	Resp:	166835
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.807 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

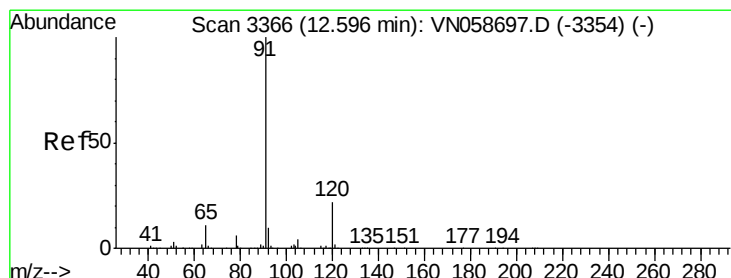
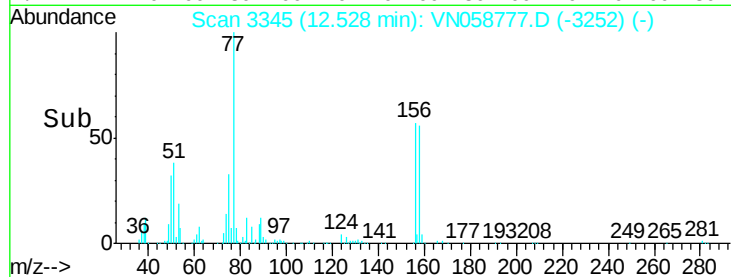
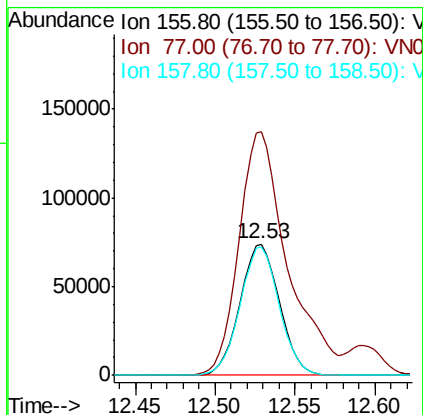
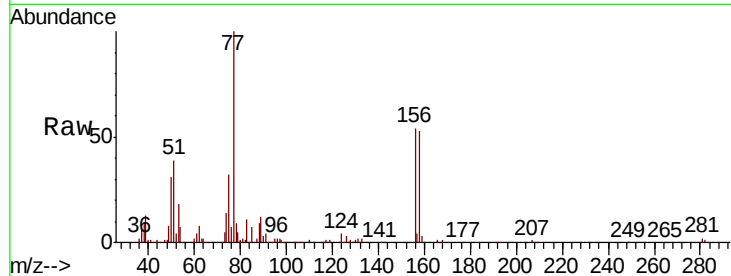
ClientSampleId :

VN1015WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		124488		
77	229.2	115.8	347.3		
158	97.2	48.9	146.6		

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#78

n-propylbenzene

Concen: 22.612 ug/l

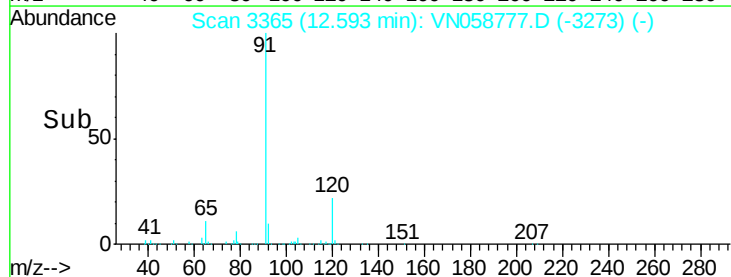
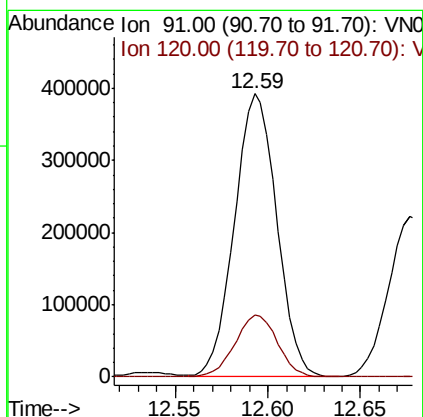
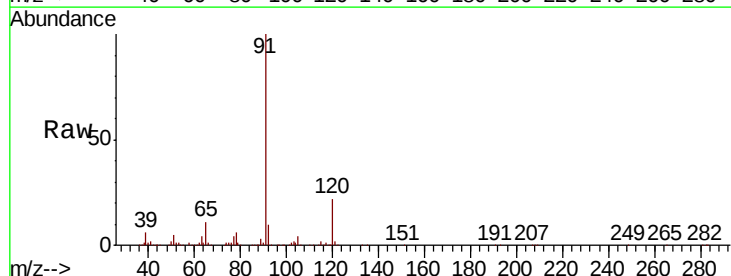
RT: 12.59 min Scan# 3365

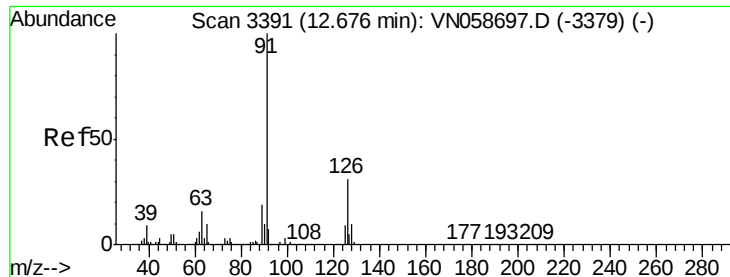
Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		618392		
120	21.9	11.1	33.3		





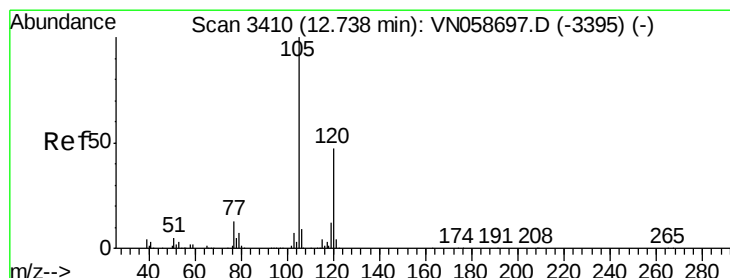
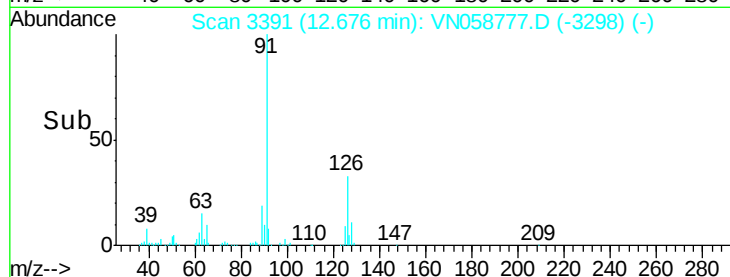
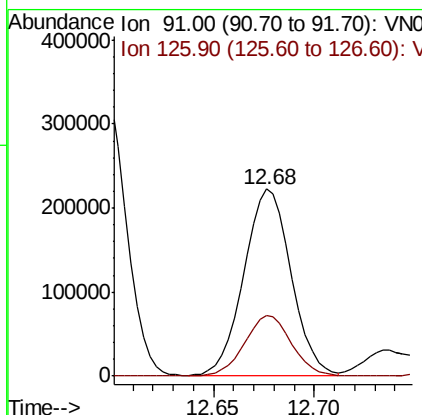
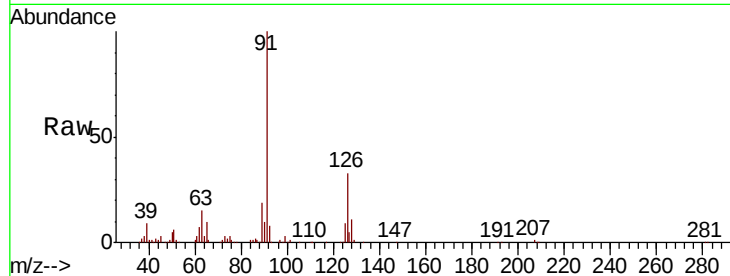
#79
 2-Chlorotoluene
 Concen: 21.400 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.2	48.5

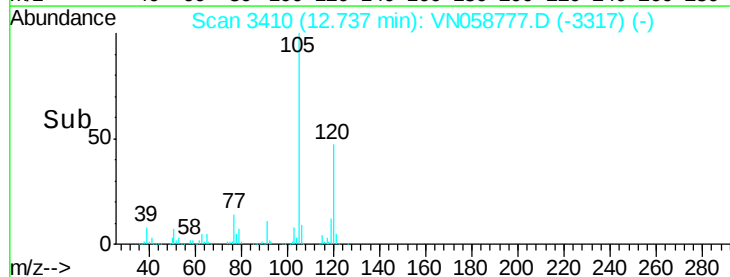
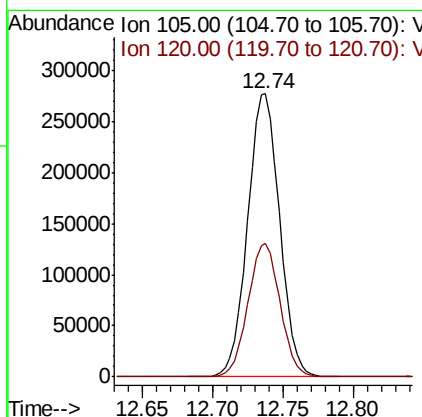
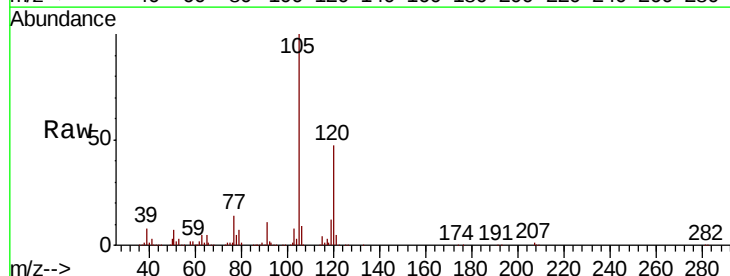
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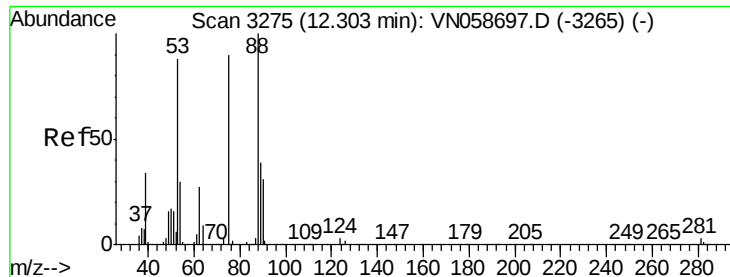
MMDadoda
 10/18/2019 12:42:38 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 22.060 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.4	70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.713 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

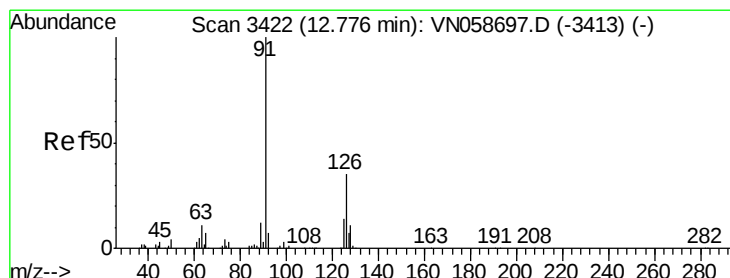
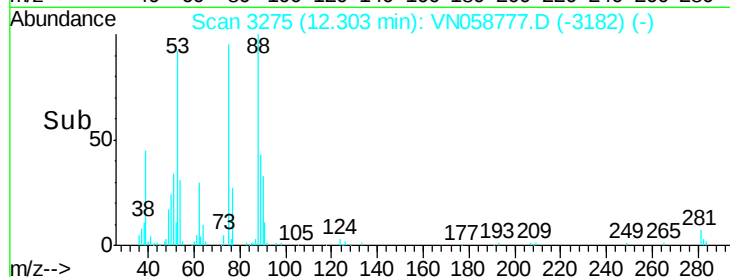
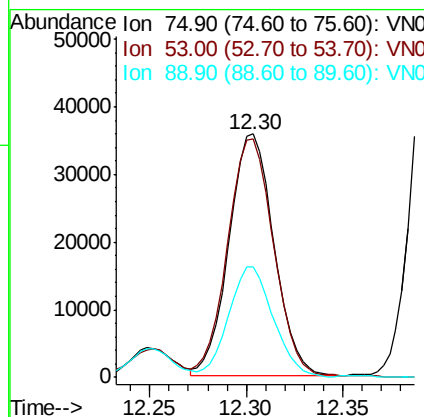
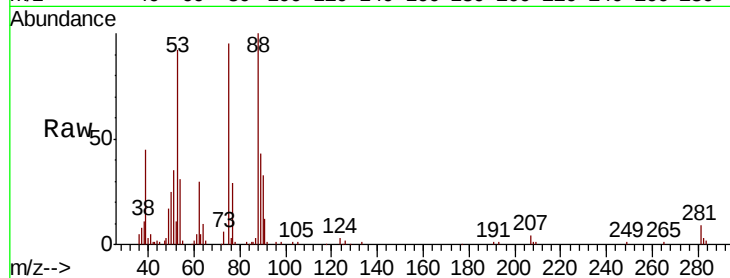
ClientSampleId :

VN1015WBS01

Tot Ion:	75	Resp:	57626
Ion	Ratio	Lower	Upper
75	100		
53	102.5	78.4	117.6
89	45.6	34.9	52.3

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#82

4-Chlorotoluene

Concen: 21.182 ug/l

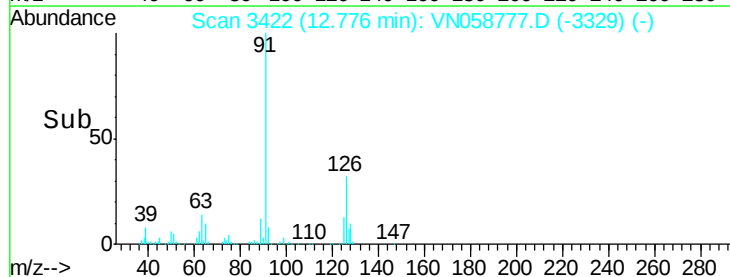
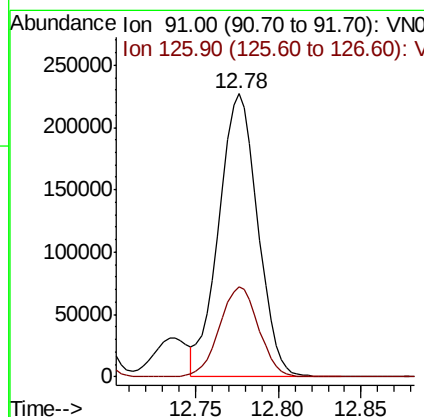
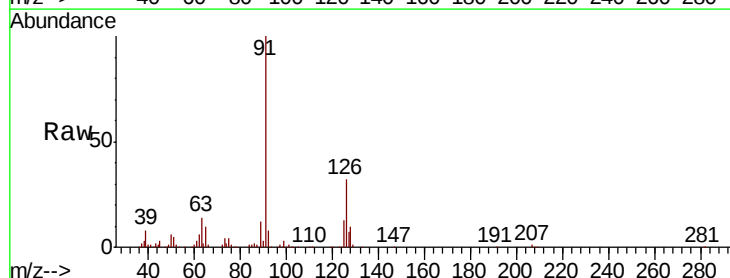
RT: 12.78 min Scan# 3422

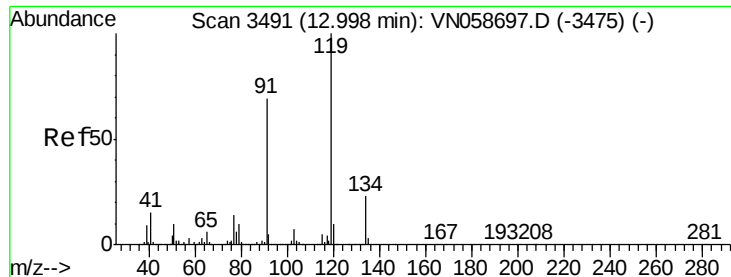
Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Tgt Ion:	91	Resp:	368959
Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.9	47.6





#83

tert-Butylbenzene

Concen: 21.915 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

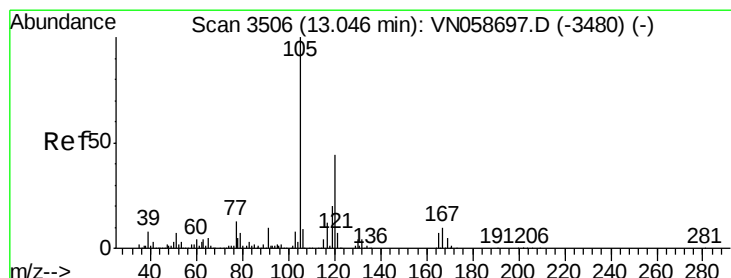
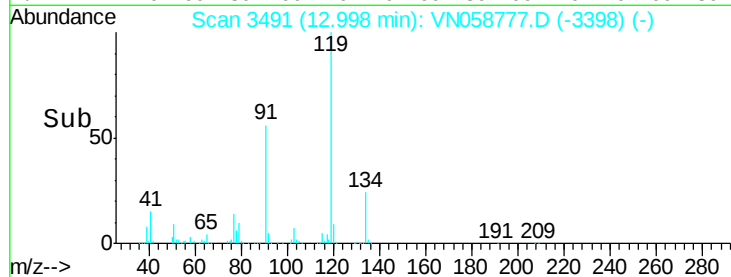
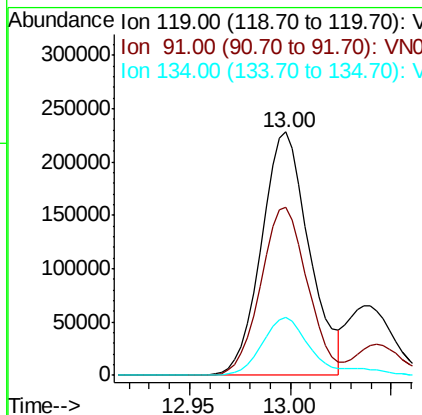
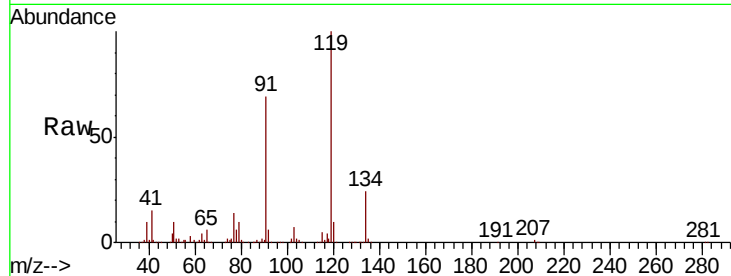
ClientSampleId :

VN1015WBS01

Tot Ion:	119	Resp:	376169
Ion Ratio	Lower	Upper	
119	100		
91	68.2	33.8	101.3
134	23.2	12.6	37.6

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#84

1,2,4-Trimethylbenzene

Concen: 22.286 ug/l

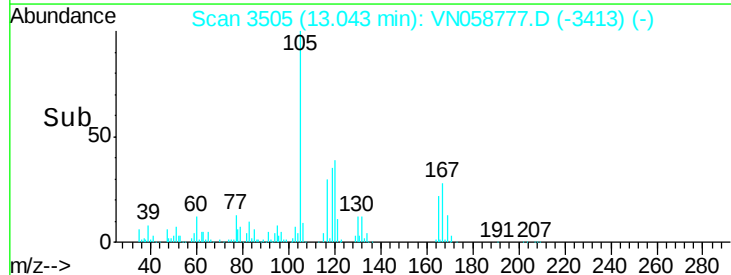
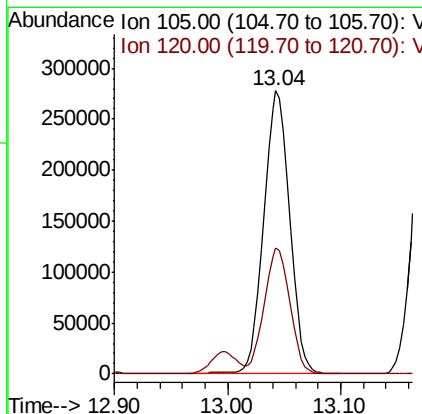
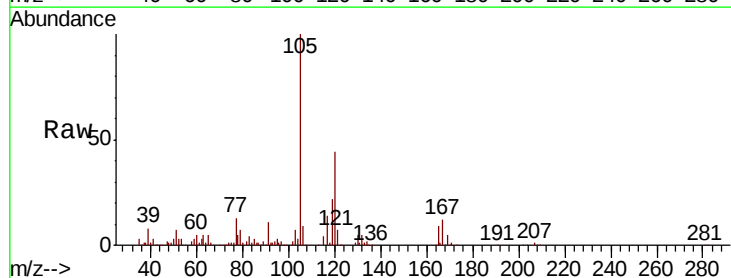
RT: 13.04 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Tgt Ion:	105	Resp:	443299
Ion Ratio	Lower	Upper	
105	100		
120	44.3	21.9	65.7





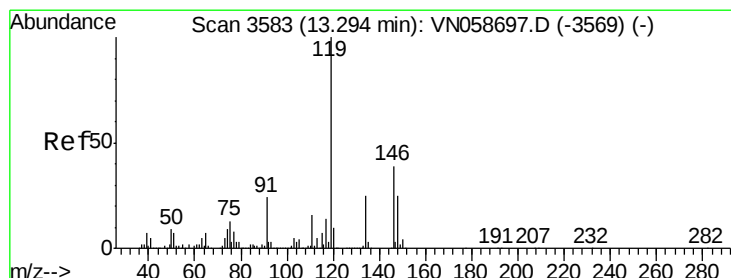
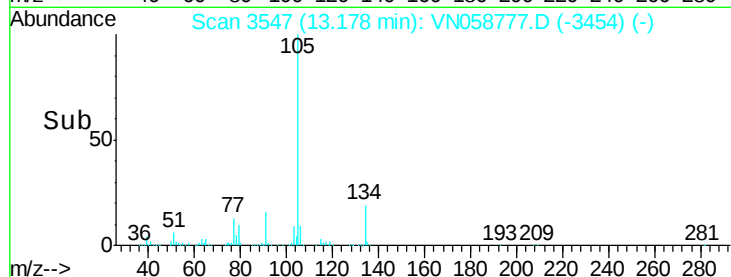
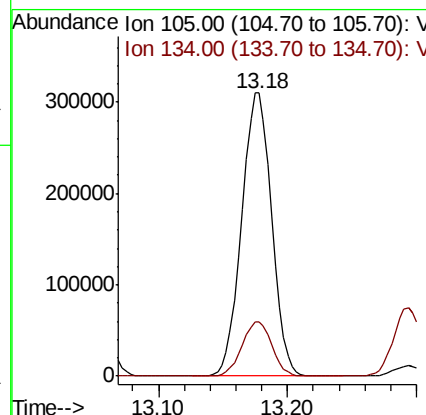
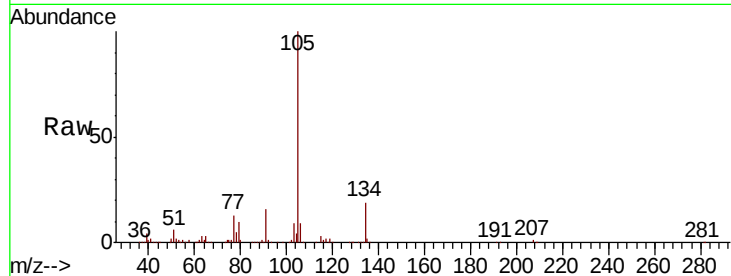
#85
 sec-Butylbenzene
 Concen: 22.101 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	499881		
134	19.3	9.7	29.1	

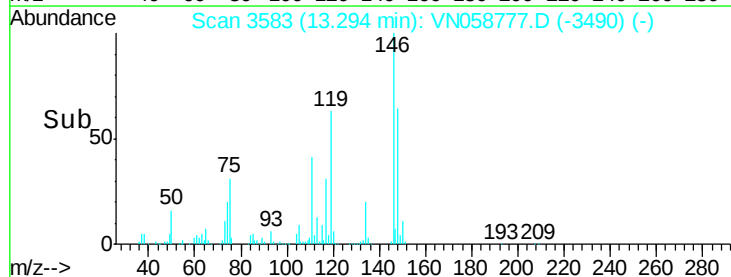
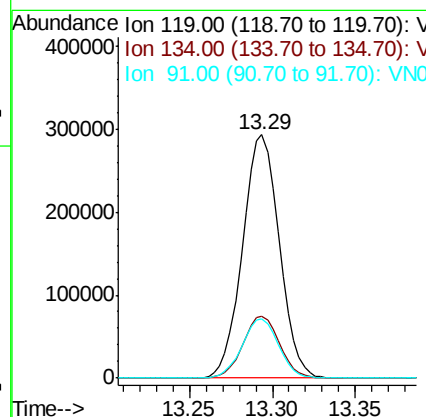
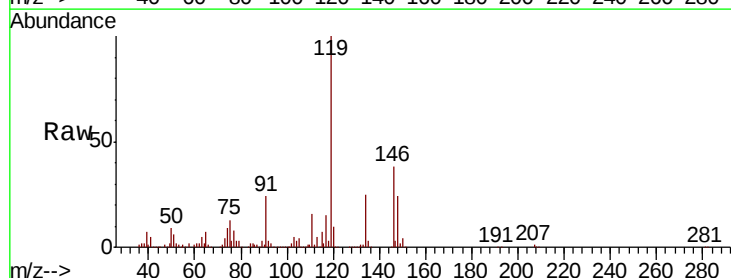
Manual Integrations
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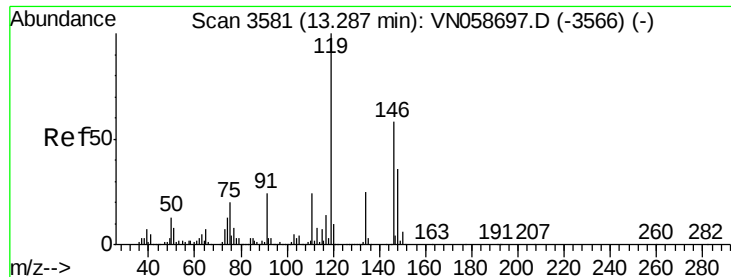
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 21.923 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	450657		
134	25.6	12.7	38.1	
91	24.1	11.9	35.5	





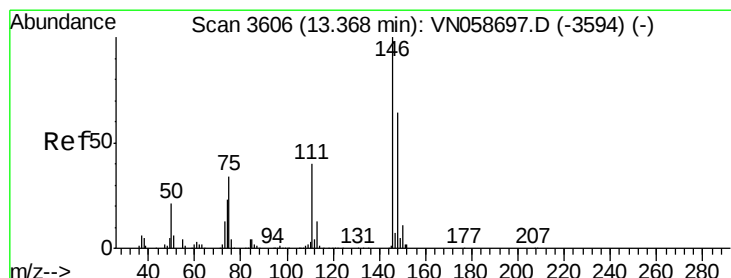
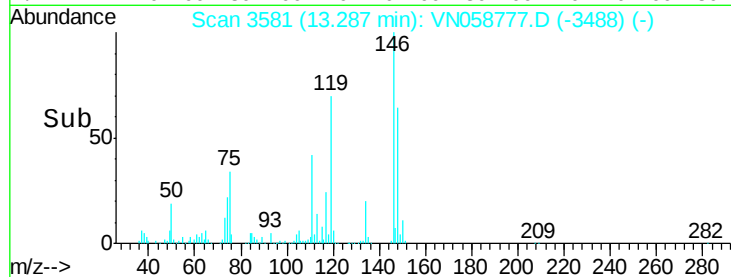
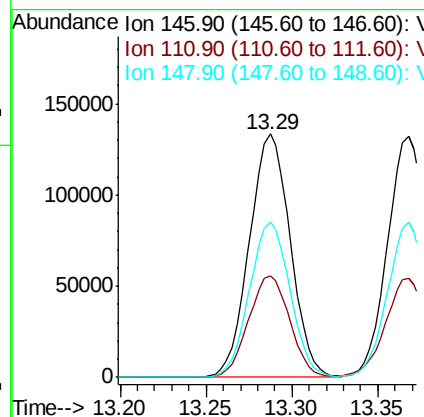
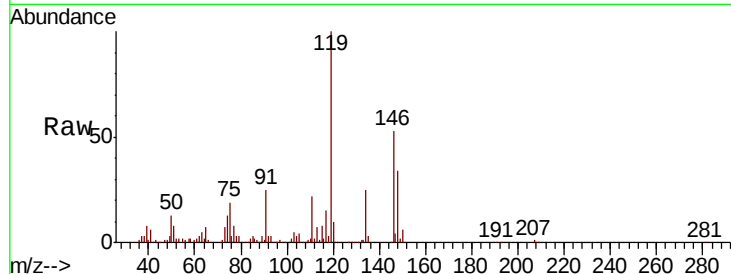
#87
 1,3-Dichlorobenzene
 Concen: 20.948 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.5	61.6
148	63.4	31.3	93.9

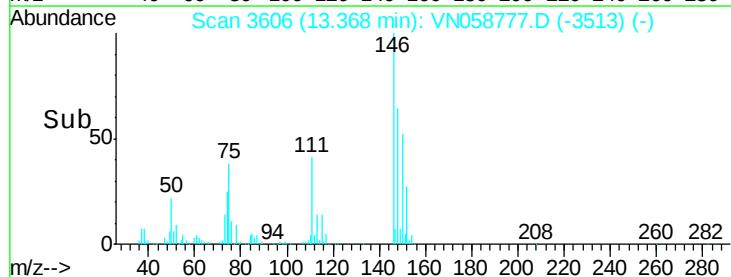
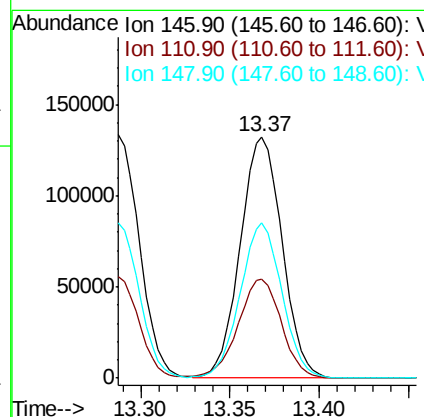
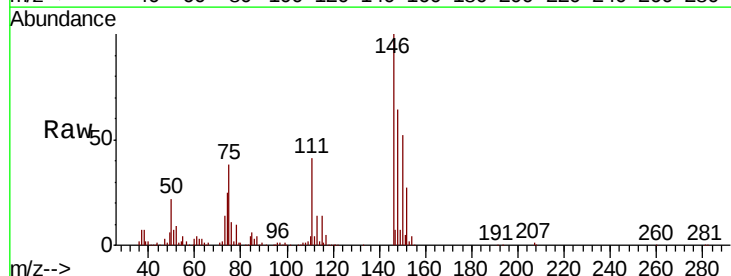
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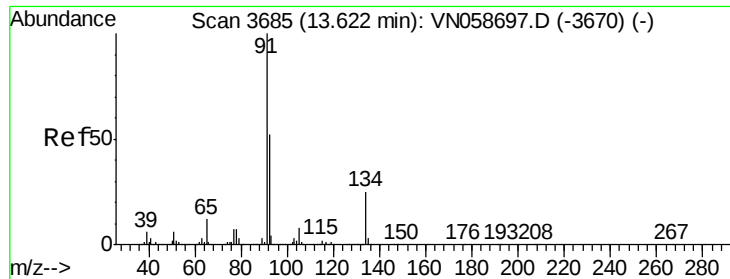
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#88
 1,4-Dichlorobenzene
 Concen: 20.117 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.1	60.2
148	64.6	31.9	95.7





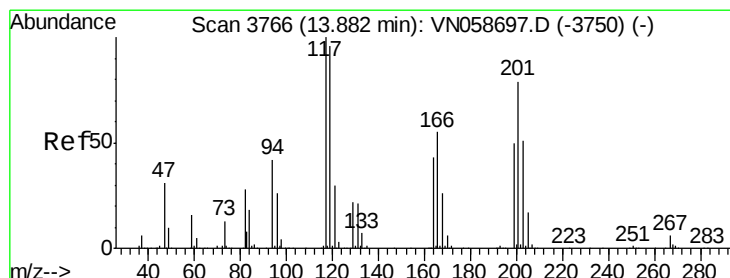
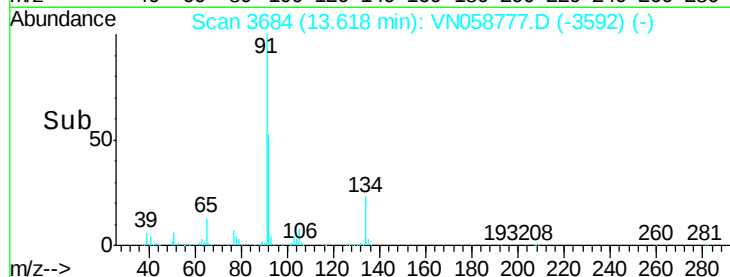
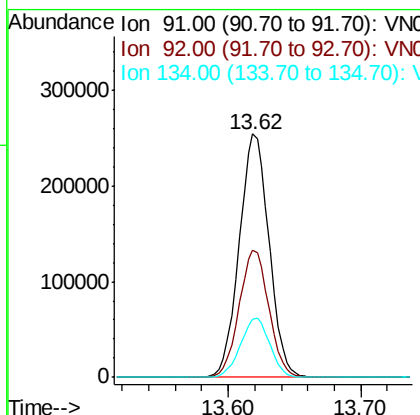
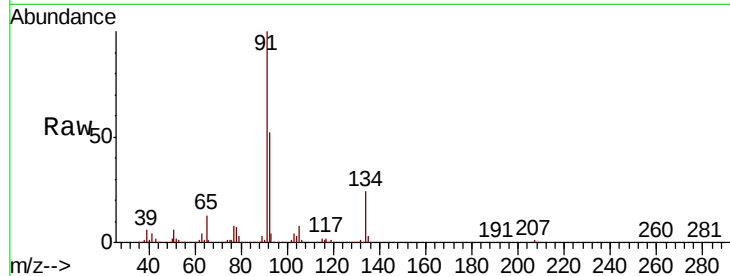
#89
n-Butylbenzene
Concen: 20.870 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.0	78.0
134	23.9	12.2	36.6

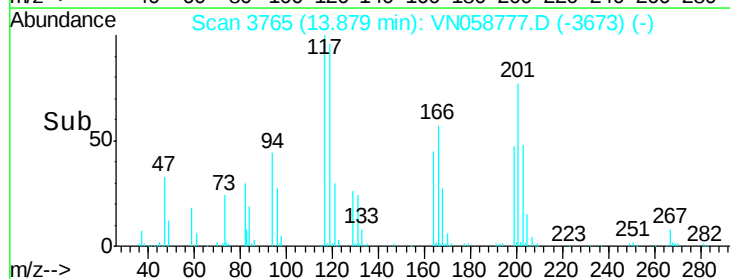
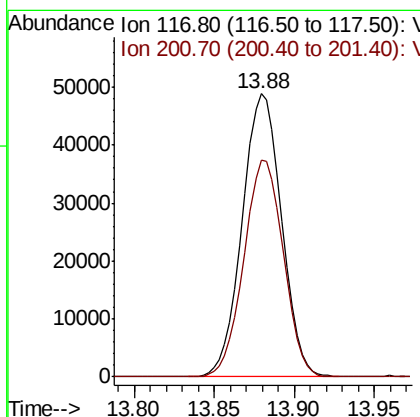
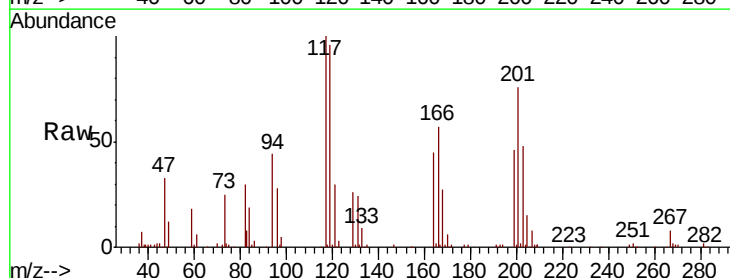
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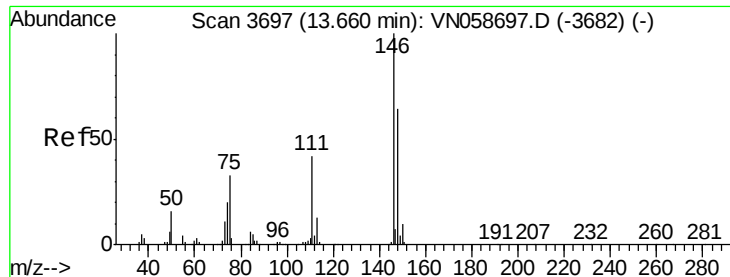
MMDadoda
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#90
Hexachloroethane
Concen: 22.250 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.8	39.6	118.7





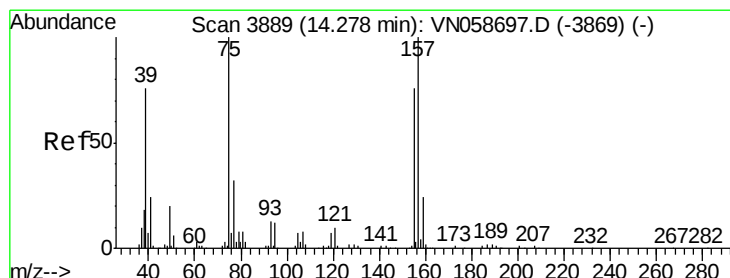
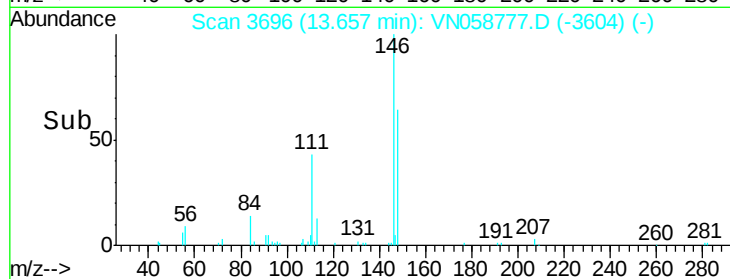
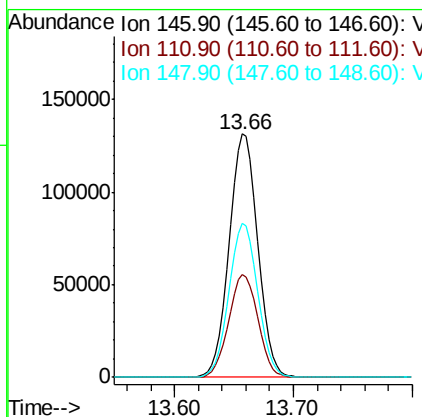
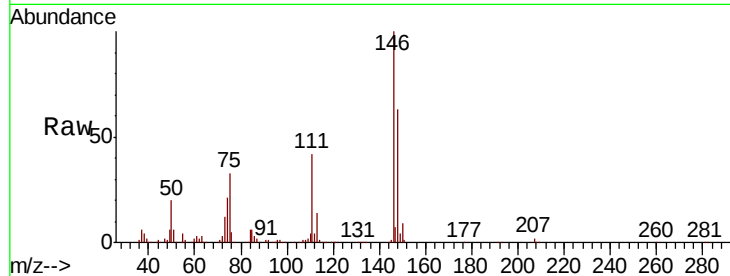
#91
 1,2-Dichlorobenzene
 Concen: 21.365 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.4
148	63.6	31.8	95.3

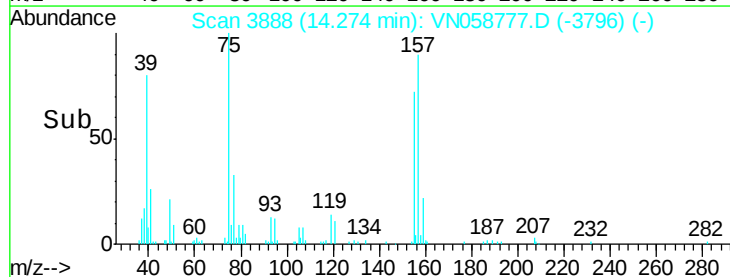
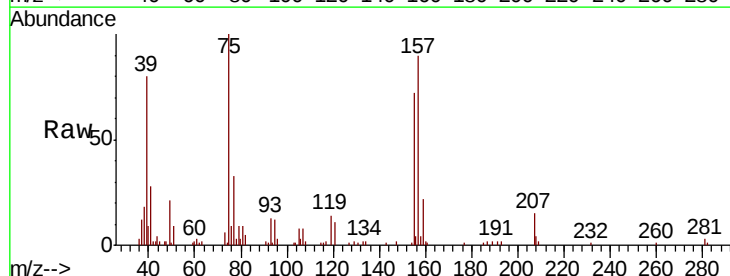
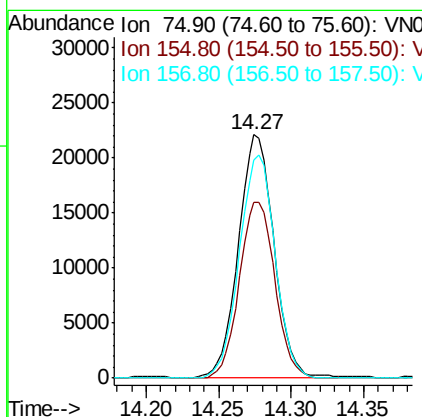
Manual Integrations
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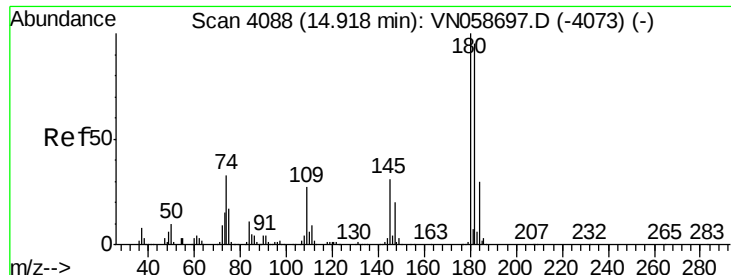
MMDadoda
 10/18/2019 12:42:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.956 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.9	37.9	113.6
157	91.7	49.4	148.2





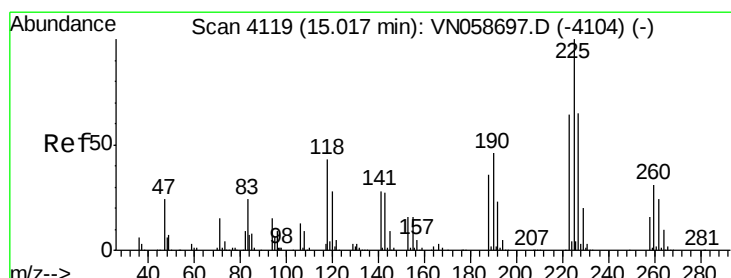
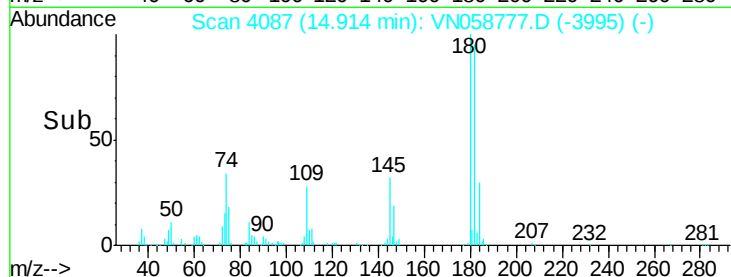
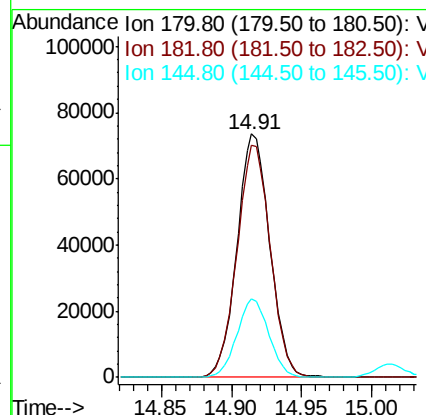
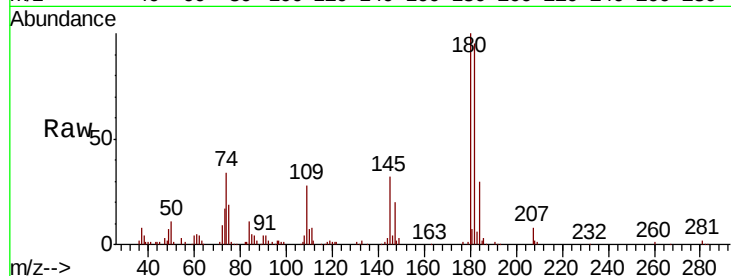
#93
 1,2,4-Trichlorobenzene
 Concen: 19.167 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119968		
182	96.5	47.4	142.2	
145	31.5	15.4	46.2	

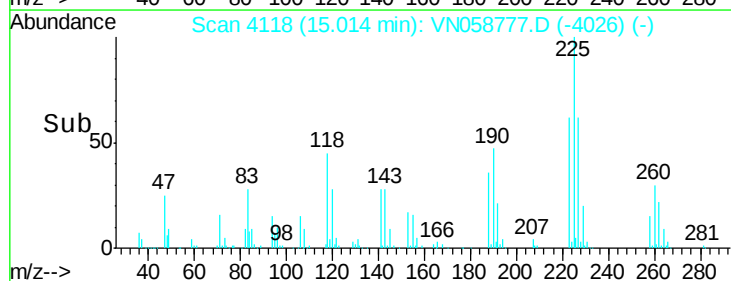
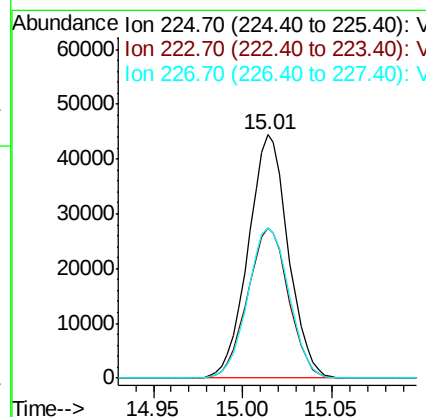
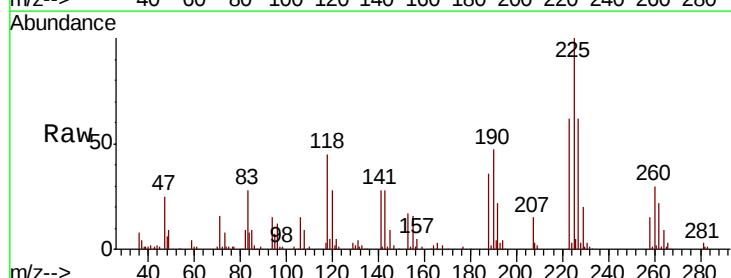
Manual Integrations
 APPROVED

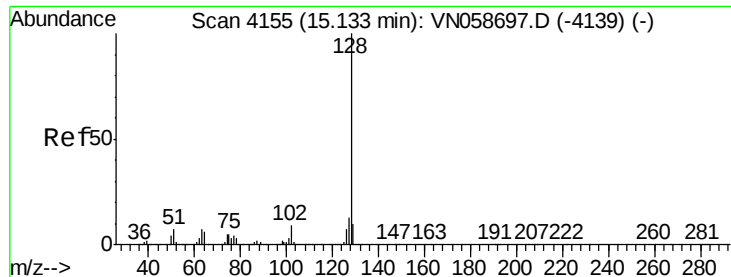
MMDadoda
 10/18/2019 12:42:38 AM



#94
 Hexachlorobutadiene
 Concen: 21.064 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69431		
223	63.5	32.3	96.8	
227	63.8	32.4	97.0	





#95

Naphthalene

Concen: 19.203 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

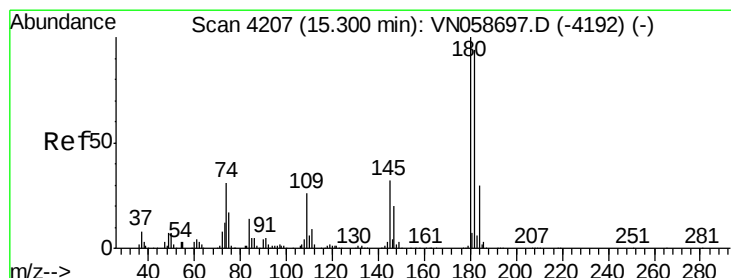
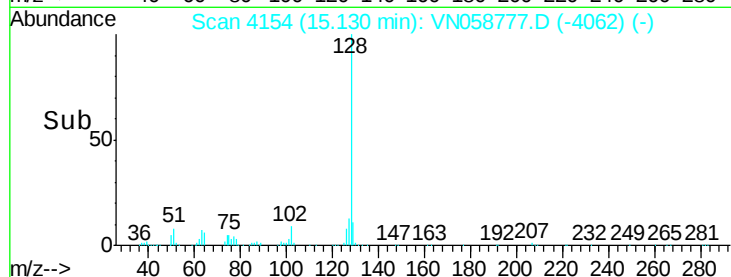
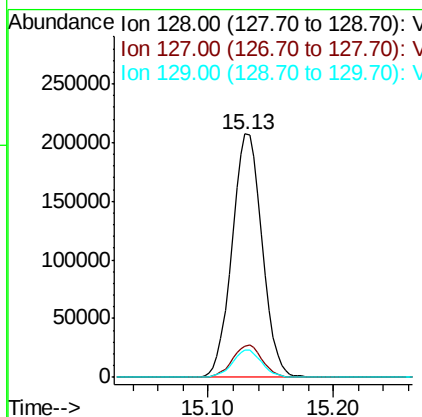
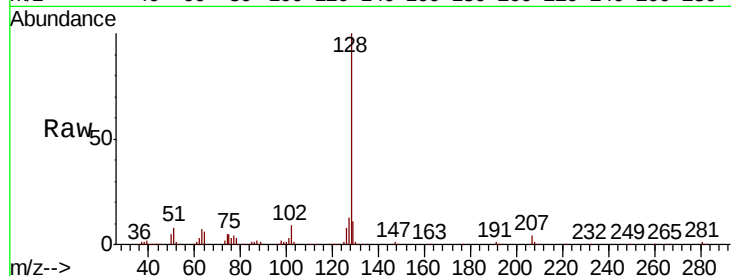
ClientSampleId :

VN1015WBS01

Tot Ion:	128	Resp:	345434
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.4
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:42:38 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.501 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Tgt Ion:	180	Resp:	119168
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.3	142.0
145	32.2	16.2	48.6

