

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062293.D
 Acq On : 1 Jul 2020 15:42
 Operator : JC/MD
 Sample : VN0701MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701MBS01

Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 12:38:53 PM

Quant Time: Jul 02 07:19:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	221504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	413324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	377143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	162557	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	166917	53.70	ug/l	0.00
Spiked Amount			Recovery	=	107.40%	
35) Dibromofluoromethane	7.55	113	127495	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
50) Toluene-d8	10.06	98	509381	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	12.38	95	168380	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	42571	17.003	ug/l	96
3) Chloromethane	2.03	50	58860	19.143	ug/l	98
4) Vinyl Chloride	2.16	62	68040	17.257	ug/l	95
5) Bromomethane	2.53	94	45281	17.769	ug/l	97
6) Chloroethane	2.67	64	46737	17.352	ug/l	96
7) Trichlorofluoromethane	2.98	101	81489	16.773	ug/l	98
8) Diethyl Ether	3.37	74	33702	19.866	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	47684	18.742	ug/l	98
10) Methyl Iodide	3.91	142	51678	18.036	ug/l	99
11) Tert butyl alcohol	4.73	59	47747	106.983	ug/l	100
12) 1,1-Dichloroethene	3.70	96	47196	18.556	ug/l	95
13) Acrolein	3.57	56	40050	91.656	ug/l	98
14) Allyl chloride	4.27	41	72196	20.849	ug/l	98
15) Acrylonitrile	4.93	53	128017	105.260	ug/l	99
16) Acetone	3.78	43	113925	114.568	ug/l	99
17) Carbon Disulfide	4.00	76	129257	17.775	ug/l	100
18) Methyl Acetate	4.28	43	56500	22.865	ug/l	94
19) Methyl tert-butyl Ether	5.00	73	160439	19.741	ug/l	96
20) Methylene Chloride	4.50	84	59029	20.559	ug/l	93
21) trans-1,2-Dichloroethene	4.99	96	51186	17.666	ug/l	94
22) Diisopropyl ether	5.90	45	164770	20.898	ug/l	95
23) Vinyl Acetate	5.84	43	669902	104.067	ug/l	98
24) 1,1-Dichloroethane	5.80	63	102147	20.119	ug/l	99
25) 2-Butanone	6.79	43	162559	106.991	ug/l	95
26) 2,2-Dichloropropane	6.78	77	83987	19.851	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	59998	18.402	ug/l	95
28) Bromochloromethane	7.15	49	44719	20.300	ug/l	90
29) Tetrahydrofuran	7.17	42	106997	107.507	ug/l	96
30) Chloroform	7.33	83	98493	19.067	ug/l	98
31) Cyclohexane	7.62	56	83419	19.424	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	80190	18.408	ug/l	97
36) 1,1-Dichloropropene	7.75	75	72240	17.388	ug/l	98
37) Ethyl Acetate	6.88	43	67598	19.650	ug/l	97
38) Carbon Tetrachloride	7.73	117	65981	16.846	ug/l	98

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Quant Time: Jul 02 07:19:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	76988	16.913	ug/l	97
40) Benzene	8.00	78	227110	17.935	ug/l	99
41) Methacrylonitrile	7.14	41	30552m	19.156	ug/l	
42) 1,2-Dichloroethane	8.09	62	80292	18.767	ug/l	98
43) Isopropyl Acetate	8.13	43	111163	19.822	ug/l #	89
44) Trichloroethene	8.80	130	51444	16.105	ug/l	97
45) 1,2-Dichloropropane	9.08	63	59071	18.909	ug/l	98
46) Dibromomethane	9.18	93	38374	18.117	ug/l	94
47) Bromodichloromethane	9.37	83	78406	18.333	ug/l	99
48) Methyl methacrylate	9.17	41	49915	19.851	ug/l	96
49) 1,4-Dioxane	9.17	88	20634	370.038	ug/l #	90
51) 4-Methyl-2-Pentanone	9.95	43	338509	103.313	ug/l	98
52) Toluene	10.12	92	140239	18.151	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	84814	18.026	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	91550	18.276	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	56790	18.699	ug/l	98
56) Ethyl methacrylate	10.40	69	75899	18.726	ug/l	96
57) 1,3-Dichloropropane	10.68	76	97560	18.662	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	143624	93.971	ug/l	96
59) 2-Hexanone	10.72	43	242828	102.633	ug/l	97
60) Dibromochloromethane	10.87	129	54742	17.025	ug/l	98
61) 1,2-Dibromoethane	10.98	107	54051	17.320	ug/l	99
64) Tetrachloroethene	10.60	164	42109	16.345	ug/l	96
65) Chlorobenzene	11.41	112	144241	17.416	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	49900	17.424	ug/l	98
67) Ethyl Benzene	11.48	91	256385	18.330	ug/l	99
68) m/p-Xylenes	11.60	106	189993	35.118	ug/l	96
69) o-Xylene	11.92	106	91507	17.927	ug/l	96
70) Styrene	11.94	104	152293	17.889	ug/l	98
71) Bromoform	12.10	173	33718	16.559	ug/l #	98
73) Isopropylbenzene	12.22	105	242989	19.311	ug/l	100
74) N-amyl acetate	12.05	43	89112	21.295	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	84256	20.121	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	75806m	19.810	ug/l	
77) Bromobenzene	12.50	156	55376	17.726	ug/l	89
78) n-propylbenzene	12.57	91	279758	19.437	ug/l	99
79) 2-Chlorotoluene	12.65	91	168102	19.319	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	196195	19.234	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	25798	19.688	ug/l	94
82) 4-Chlorotoluene	12.75	91	170432	18.941	ug/l	99
83) tert-Butylbenzene	12.97	119	164485	18.842	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	197178	19.354	ug/l	98
85) sec-Butylbenzene	13.15	105	221794	19.227	ug/l	98
86) p-Isopropyltoluene	13.26	119	189548	18.755	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	97604	17.792	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	98369	17.396	ug/l	97
89) n-Butylbenzene	13.59	91	155309	18.484	ug/l	99
90) Hexachloroethane	13.85	117	35958	18.135	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	97887	18.401	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.25	75	14144	21.085	ug/l	91

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QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	39920	17.178	ug/l	97
94) Hexachlorobutadiene	14.98	225	17886	17.721	ug/l	99
95) Naphthalene	15.10	128	117195	17.912	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	41536	17.480	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

ClientSampled :

VN0701MBS01

Tot Ion:168 Resp: 221504

Ion Ratio Lower Upper

168 100

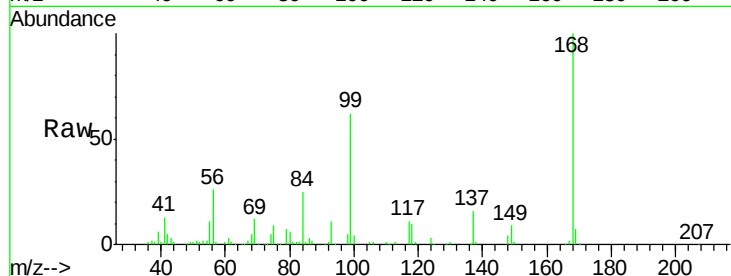
99 61.6 45.8 68.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

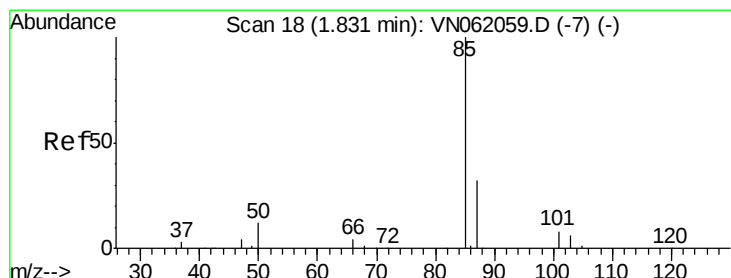
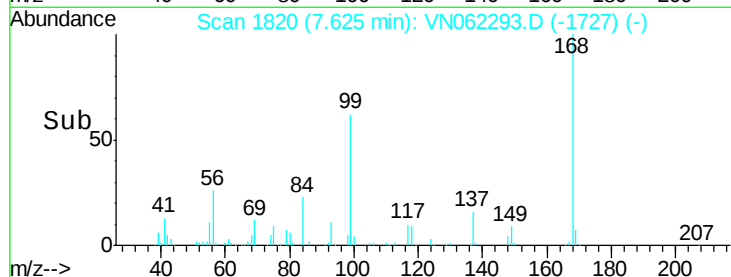
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 17.003 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062293.D

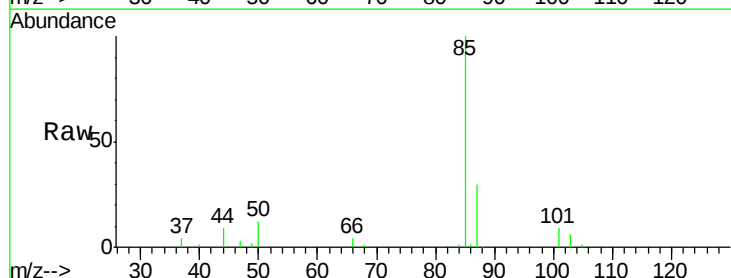
Acq: 1 Jul 2020 15:42

Tgt Ion: 85 Resp: 42571

Ion Ratio Lower Upper

85 100

87 29.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

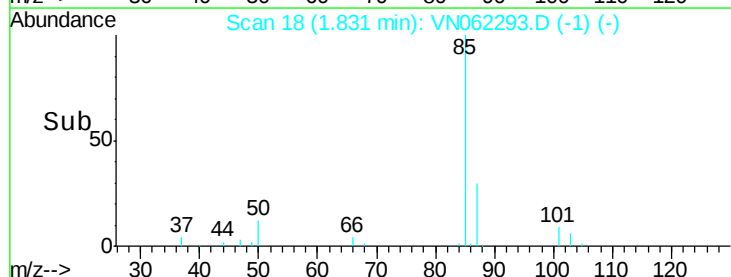
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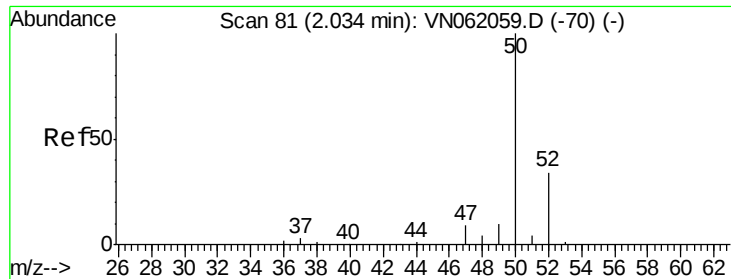
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10000

0

Time--> 1.80 1.85 1.90





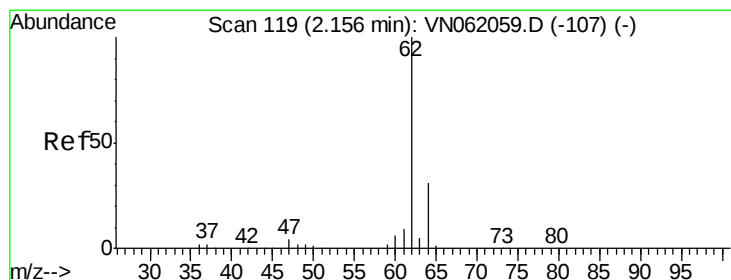
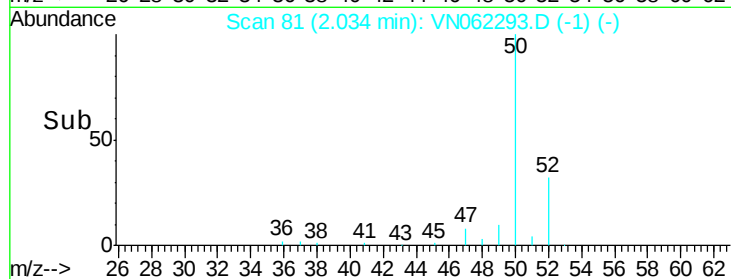
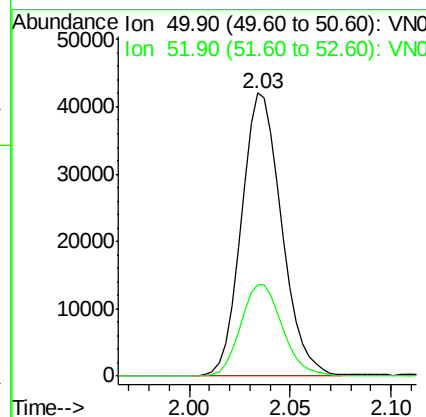
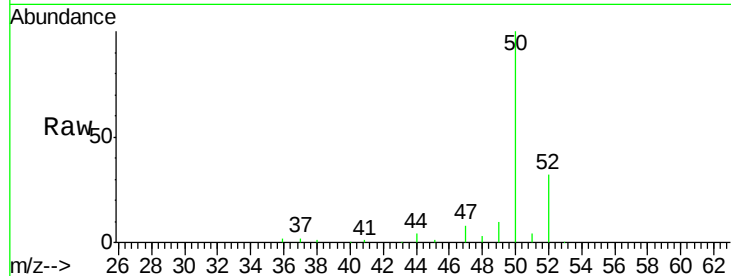
#3
Chloromethane
Concen: 19.143 ug/l
RT: 2.03 min Scan# 81
Delta R.T. 0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :
VN0701MBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.5	27.0	40.6

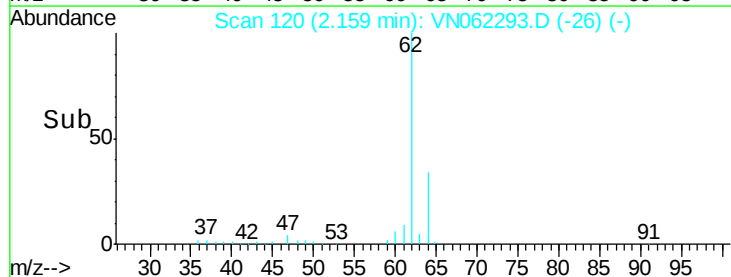
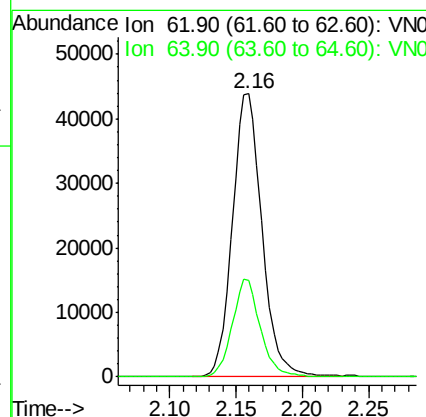
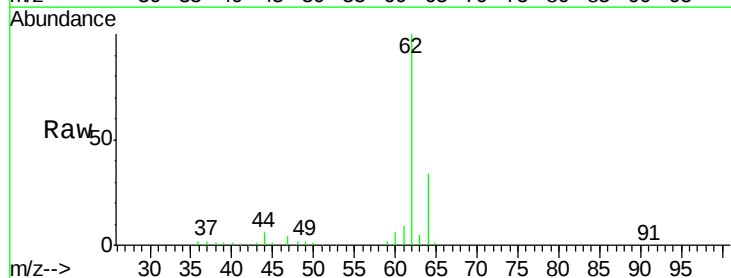
Manual Integrations
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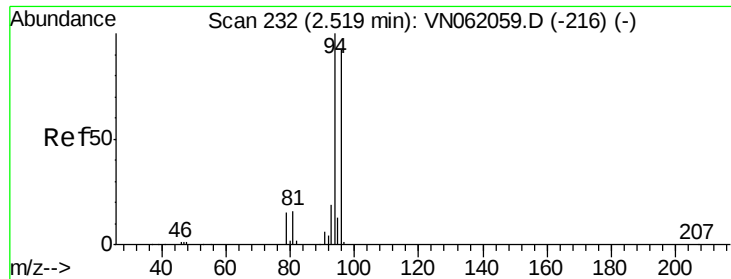
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#4
Vinyl Chloride
Concen: 17.257 ug/l
RT: 2.16 min Scan# 120
Delta R.T. 0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Tgt Ion	Ratio	Lower	Upper
62	100		
64	34.2	25.1	37.7





#5

Bromomethane

Concen: 17.769 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

VN0701MBS01

Tot Ion: 94 Resp: 45281

Ion Ratio Lower Upper

94 100

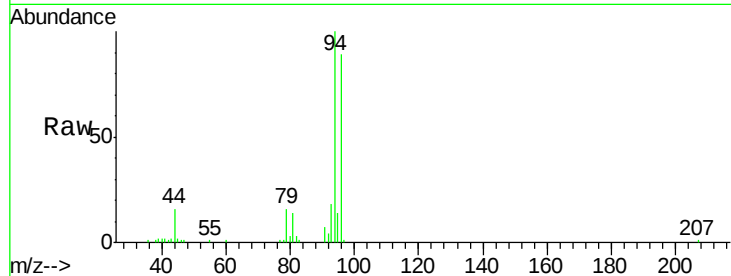
96 89.3 73.4 110.2

Manual Integrations

APPROVED

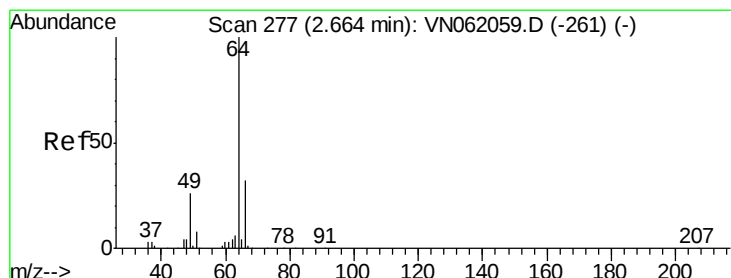
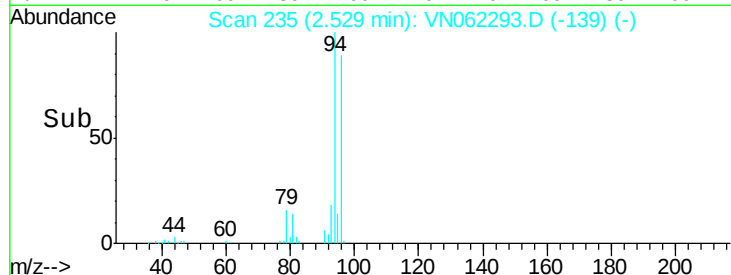
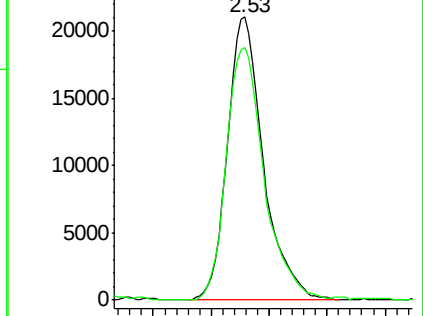
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.352 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062293.D

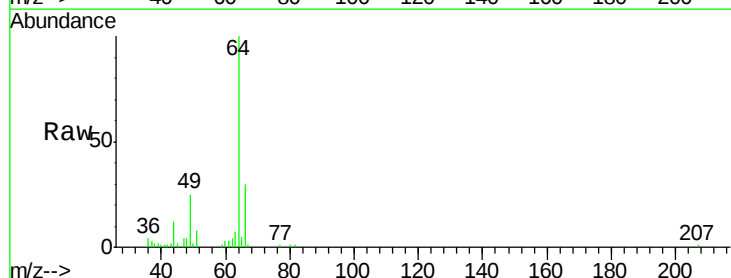
Acq: 1 Jul 2020 15:42

Tgt Ion: 64 Resp: 46737

Ion Ratio Lower Upper

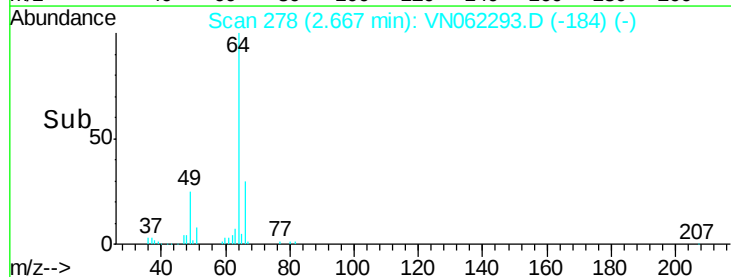
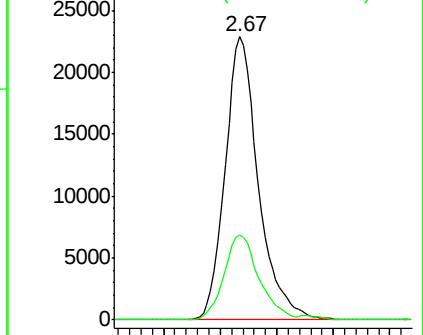
64 100

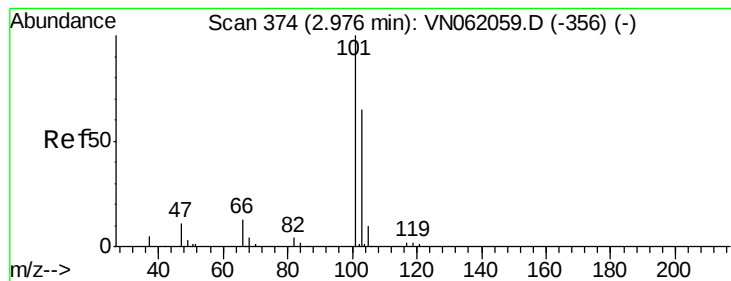
66 30.0 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

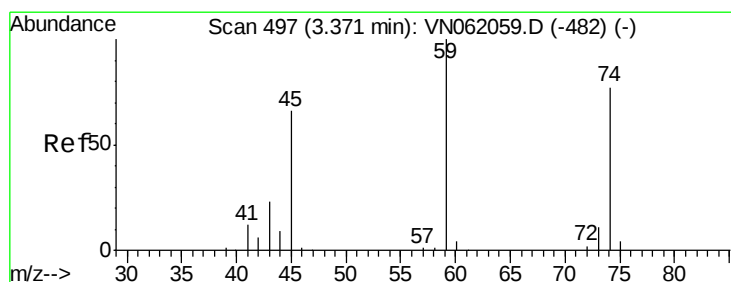
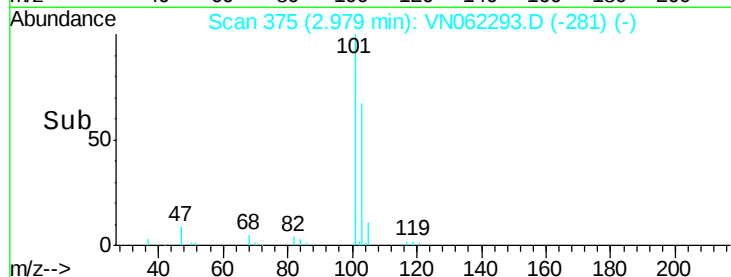
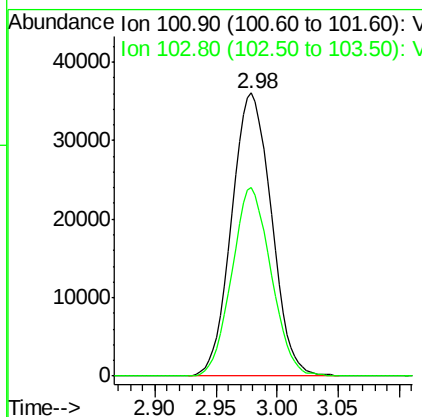
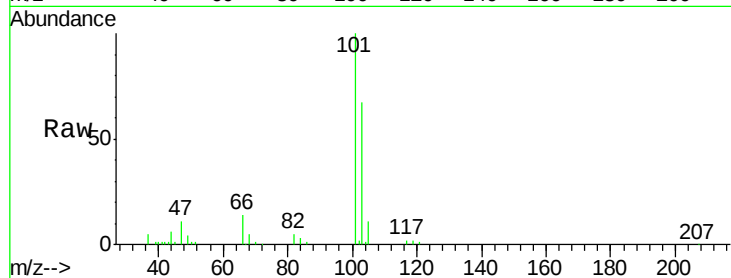
Trichlorofluoromethane
Concen: 16.773 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Instrument :
MSVOA_N
ClientSampled :
VN0701MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.8	77.6

Manual Integrations
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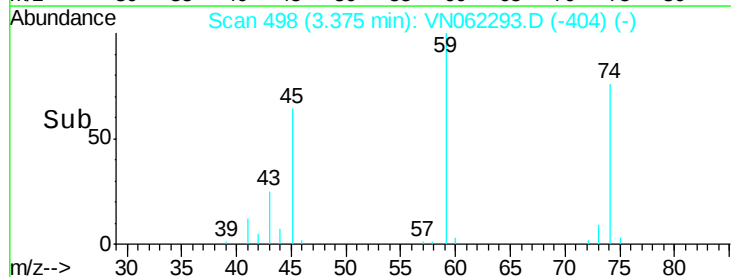
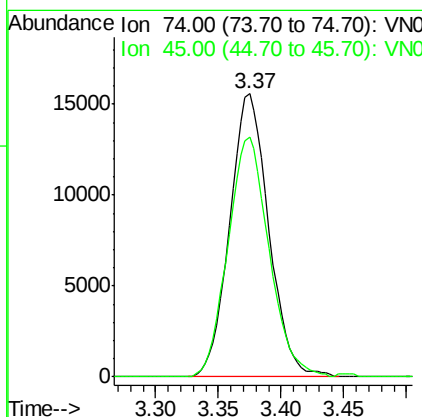
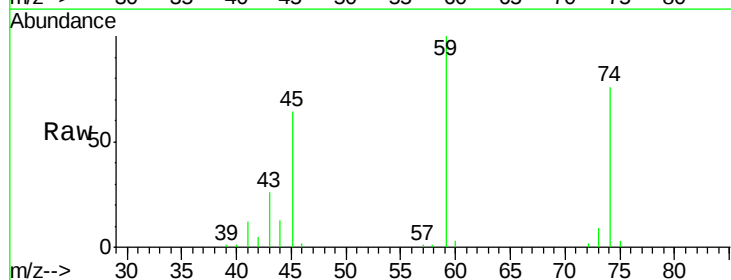
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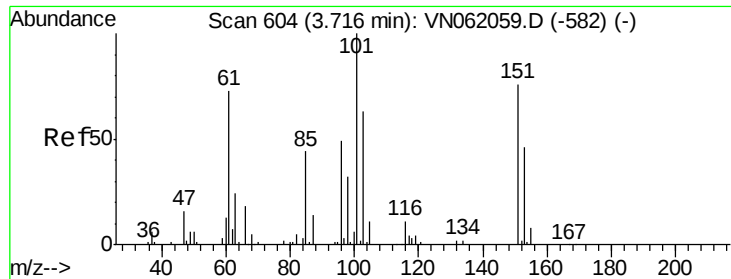


#8

Diethyl Ether
Concen: 19.866 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.1	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.742 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

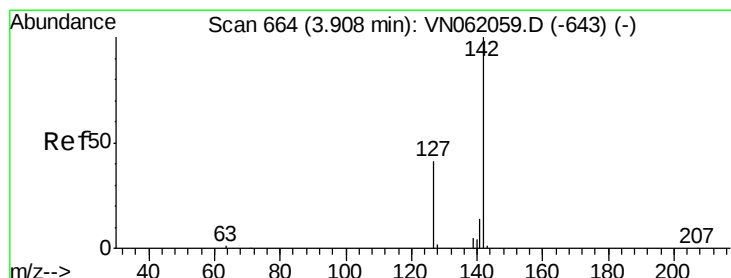
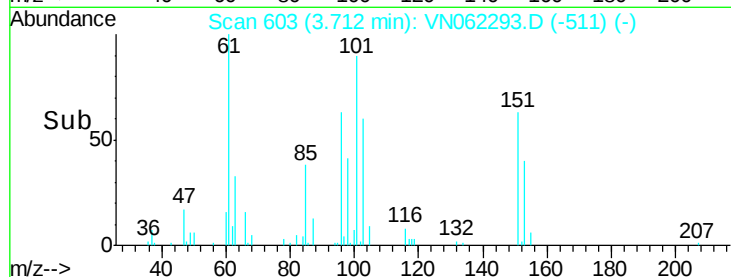
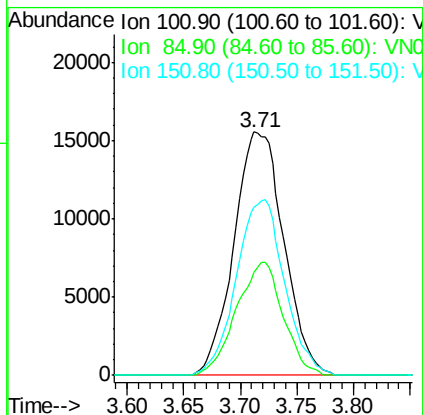
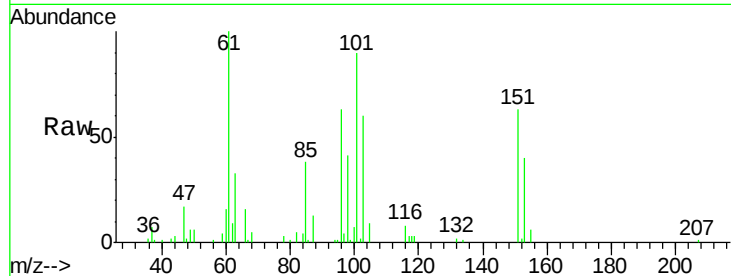
ClientSampleId :

VN0701MBS01

Tot Ion:	101	Resp:	47684
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.5	51.7
151	69.7	57.8	86.8

Manual Integrations
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#10

Methyl Iodide

Concen: 18.036 ug/l

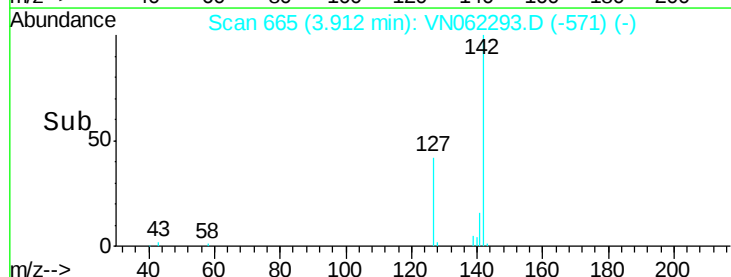
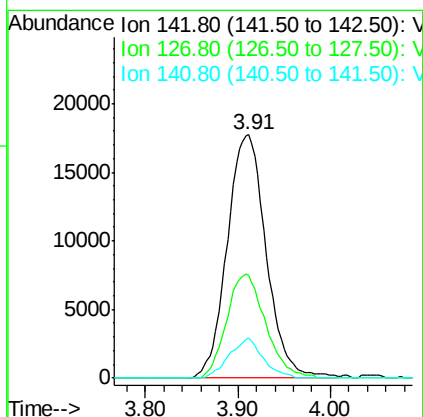
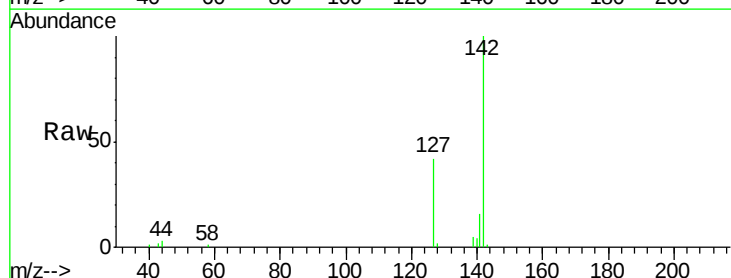
RT: 3.91 min Scan# 665

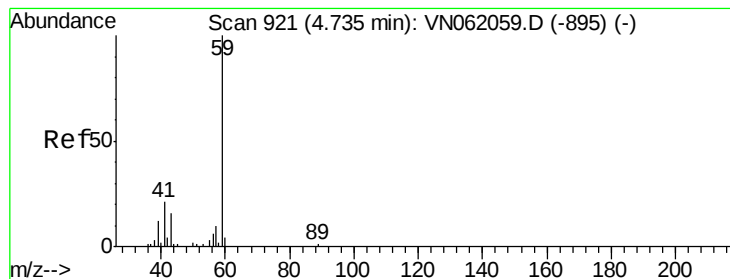
Delta R.T. 0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Tgt Ion:	142	Resp:	51678
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.6	50.4
141	14.2	11.3	16.9





#11

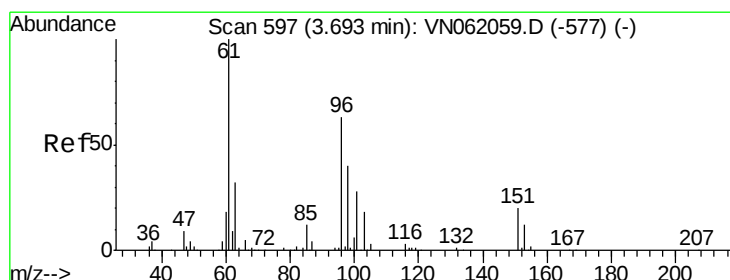
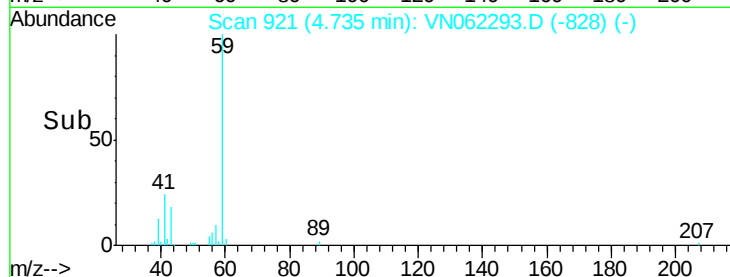
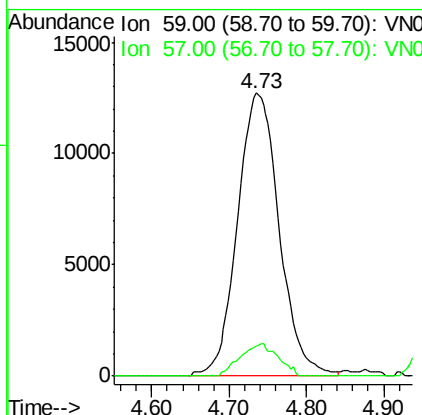
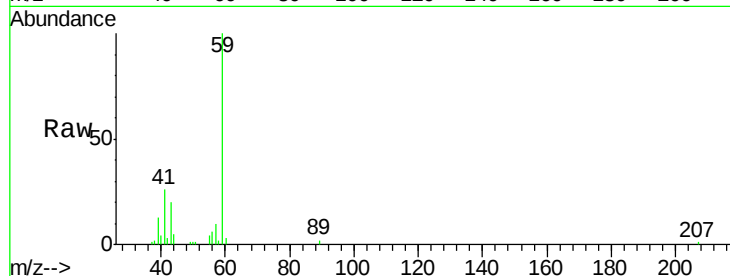
Tert butyl alcohol
 Concen: 106.983 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Instrument :
 MSVOA_N
 ClientSampled :
 VN0701MBS01

Tot Ion	59	Resp	47747
Ion Ratio	100	Lower	Upper
57	10.4	8.3	12.5

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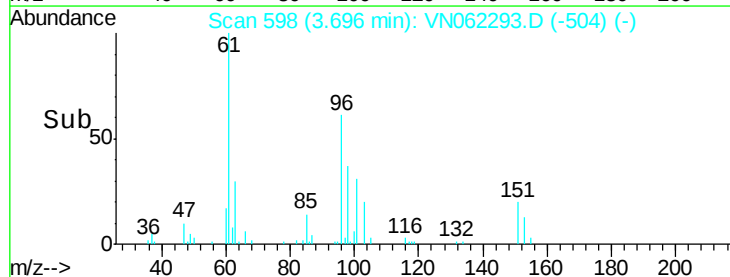
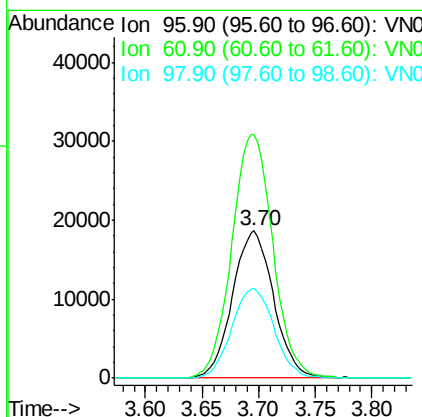
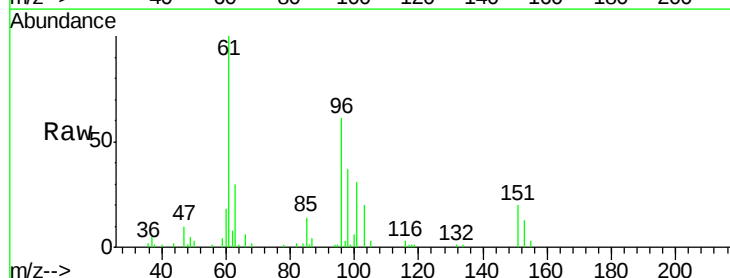
MMDadoda
 7/2/2020 12:38:53 PM

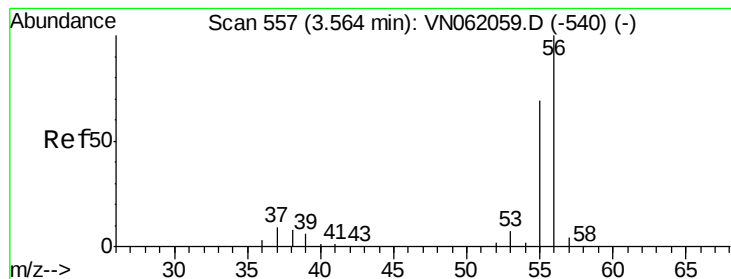


#12

1,1-Dichloroethene
 Concen: 18.556 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Tgt Ion	96	Resp	47196
Ion Ratio	100	Lower	Upper
61	165.2	126.7	190.1
98	60.7	51.0	76.4





#13

Acrolein

Concen: 91.656 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

VN0701MBS01

Tot Ion: 56 Resp: 40050

Ion Ratio Lower Upper

56 100

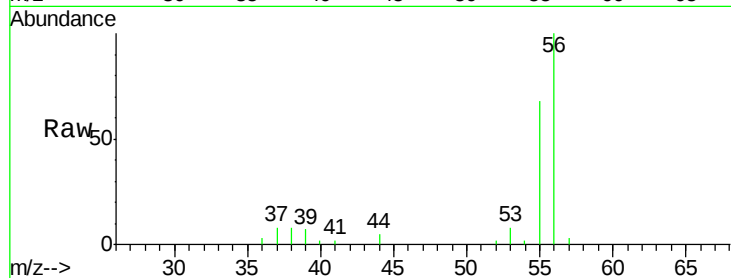
55 67.7 55.5 83.3

Manual Integrations

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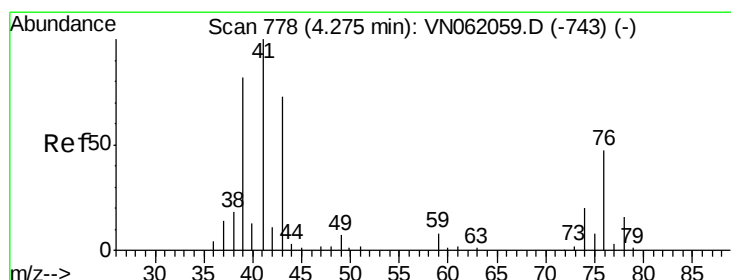
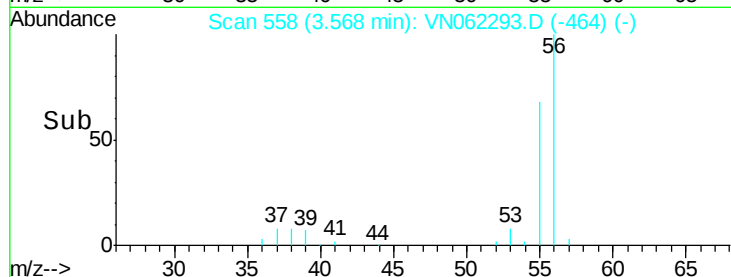
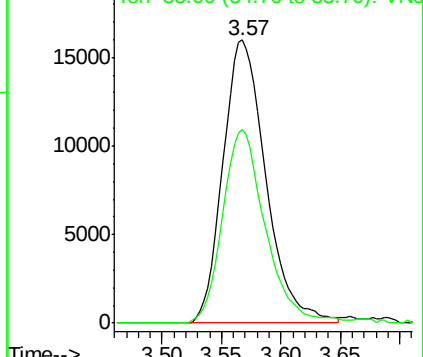
MMDadoda

7/2/2020 12:38:53 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.849 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

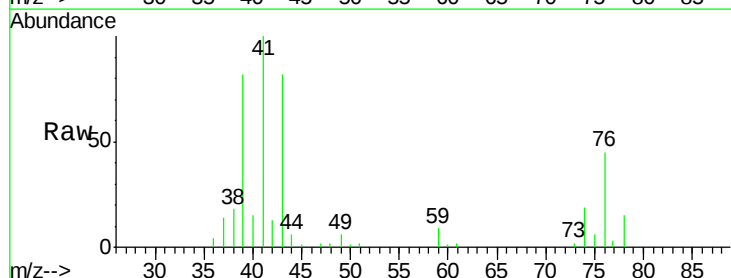
Tgt Ion: 41 Resp: 72196

Ion Ratio Lower Upper

41 100

39 74.7 60.0 90.0

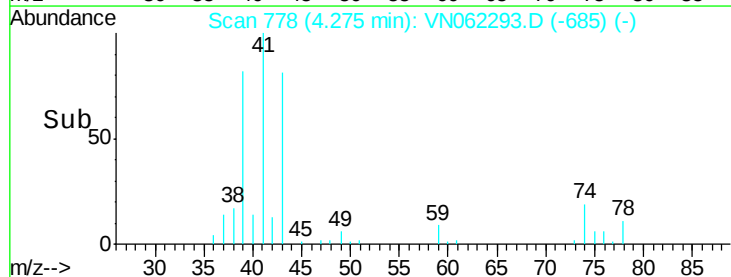
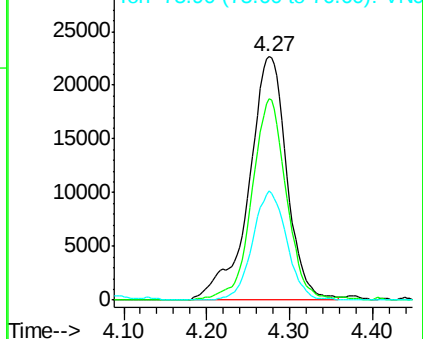
76 39.9 34.1 51.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 105.260 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

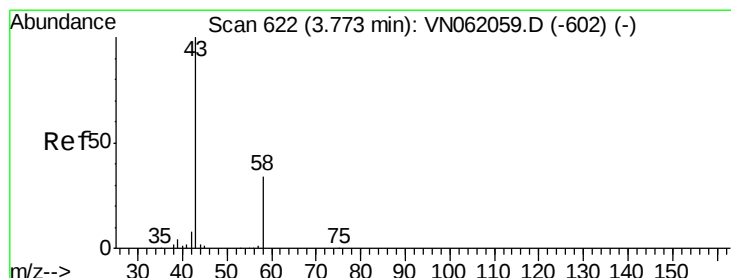
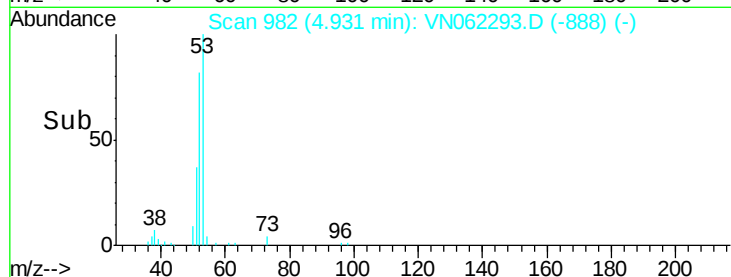
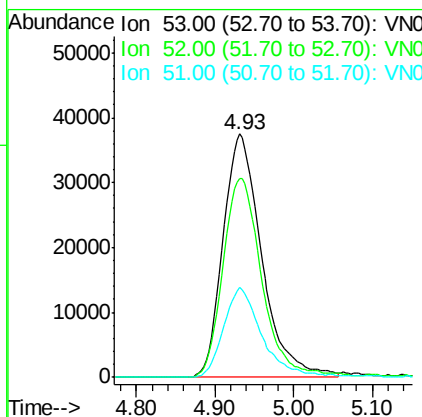
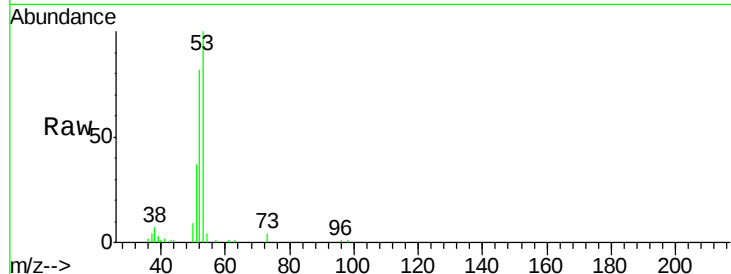
ClientSampled :

VN0701MBS01

Tot Ion:	53	Resp:	128017
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.2	99.4
51	36.2	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 114.568 ug/l

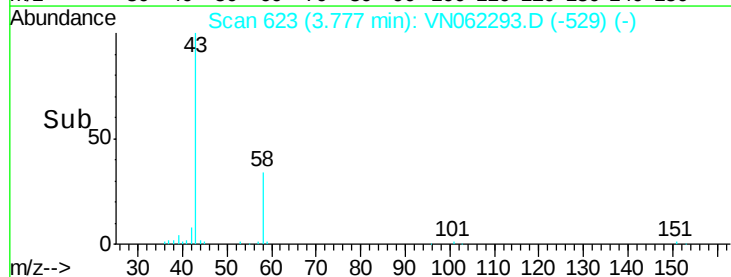
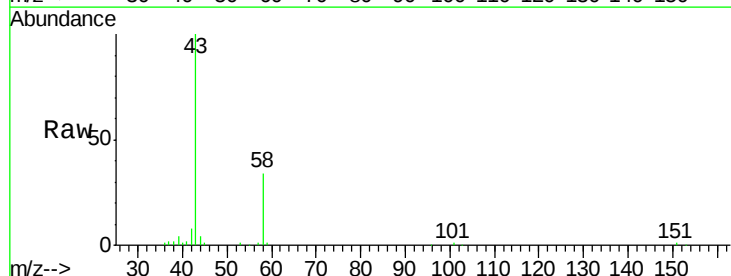
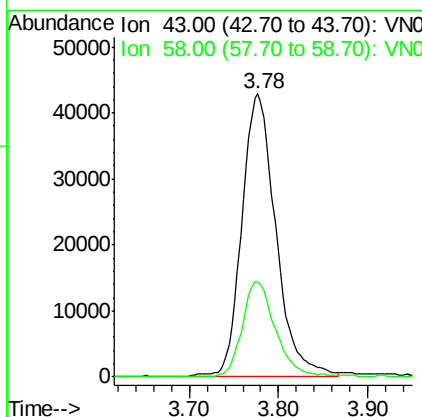
RT: 3.78 min Scan# 623

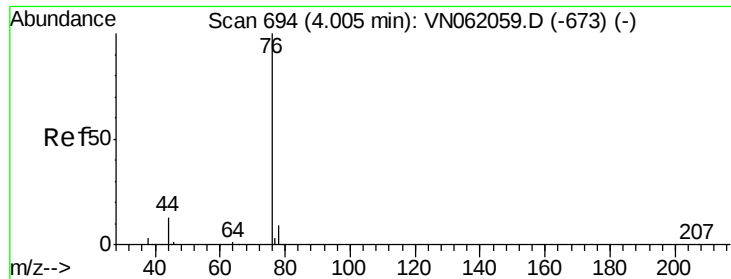
Delta R.T. 0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Tgt Ion:	43	Resp:	113925
Ion Ratio	Lower	Upper	
43	100		
58	33.7	27.5	41.3





#17

Carbon Disulfide

Concen: 17.775 ug/l

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

ClientSampled :

VN0701MBS01

Tot Ion: 76 Resp: 129257

Ion Ratio Lower Upper

76 100

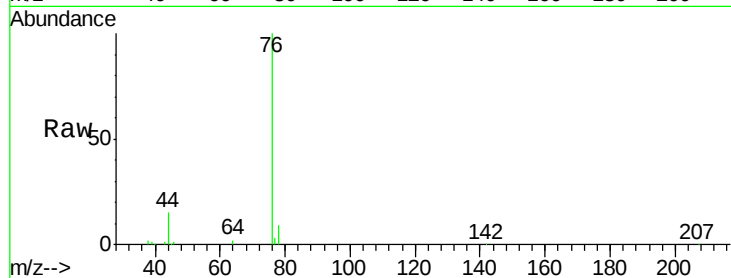
78 9.2 7.2 10.8

Manual Integrations

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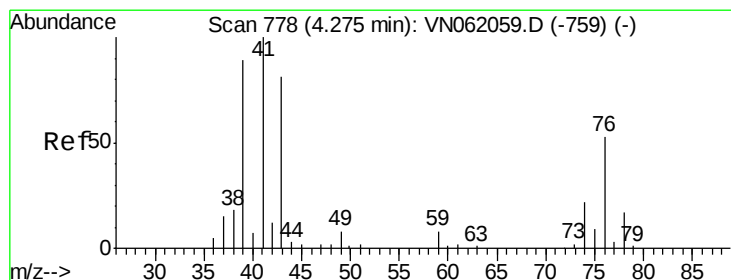
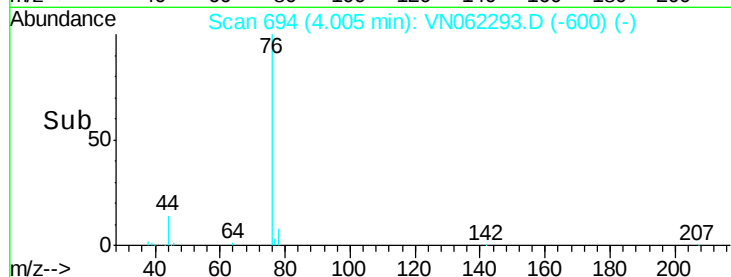
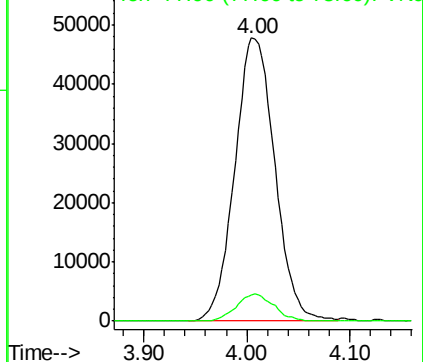
MMDadoda

7/2/2020 12:38:53 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.865 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062293.D

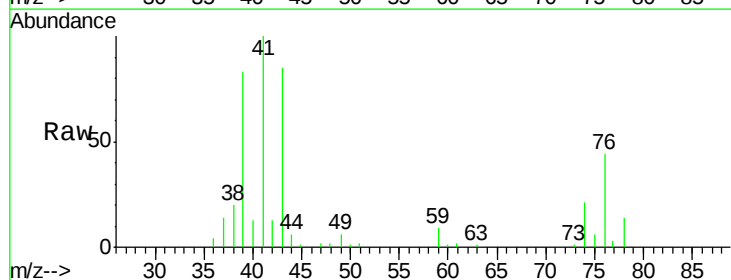
Acq: 1 Jul 2020 15:42

Tgt Ion: 43 Resp: 56500

Ion Ratio Lower Upper

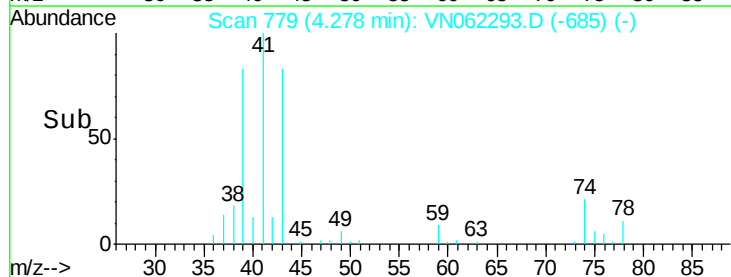
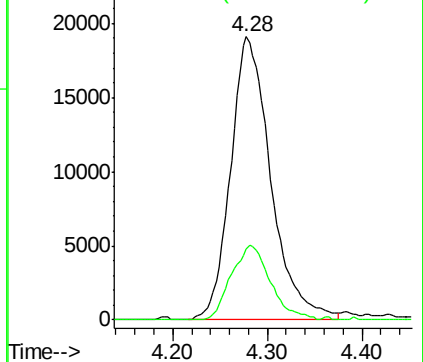
43 100

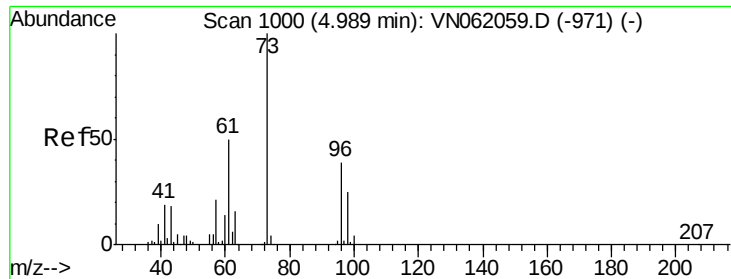
74 25.6 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





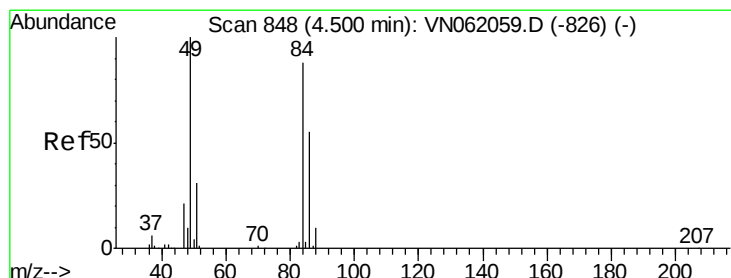
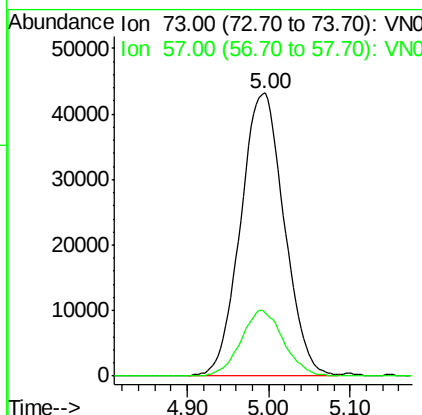
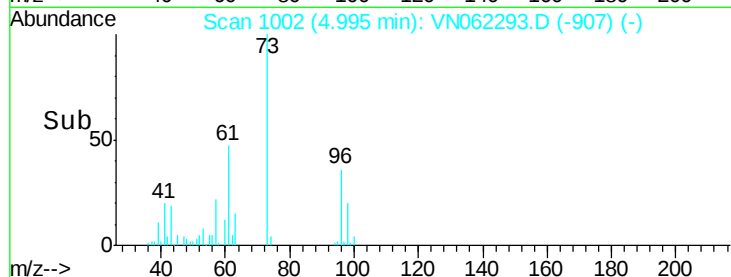
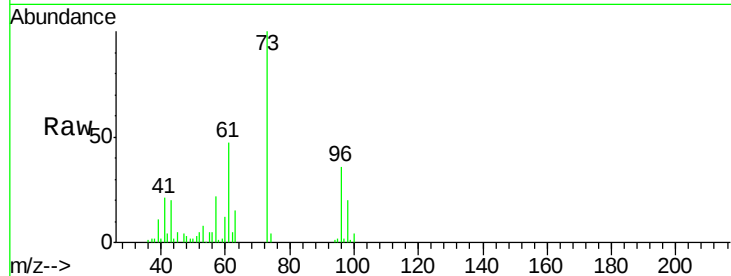
#19
Methvl tert-butvl Ether
Concen: 19.741 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Instrument :
MSVOA_N
ClientSampled :
VN0701MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	16.6	24.8

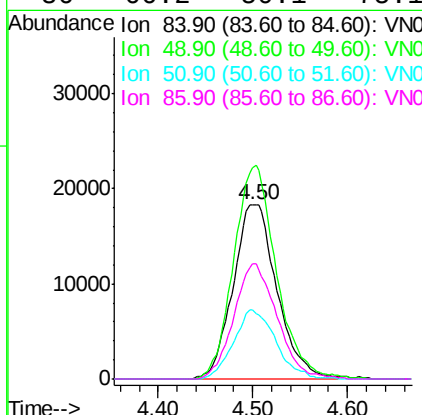
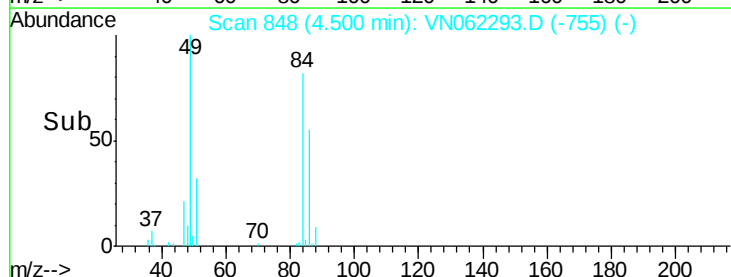
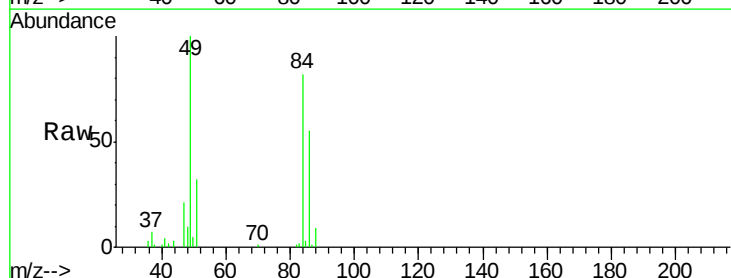
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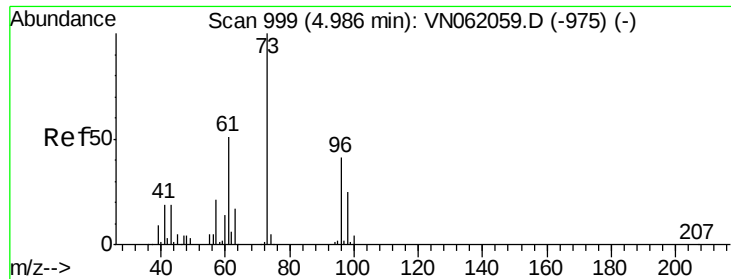
MMDadoda
7/2/2020 12:38:53 PM



#20
Methylene Chloride
Concen: 20.559 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.3	90.6	136.0
51	39.3	27.8	41.8
86	66.2	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 17.666 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

VN0701MBS01

Tot Ion: 96 Resp: 51186

Ion Ratio Lower Upper

96 100

61 137.1 101.4 152.2

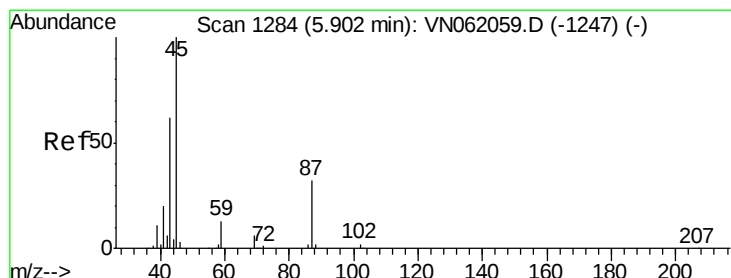
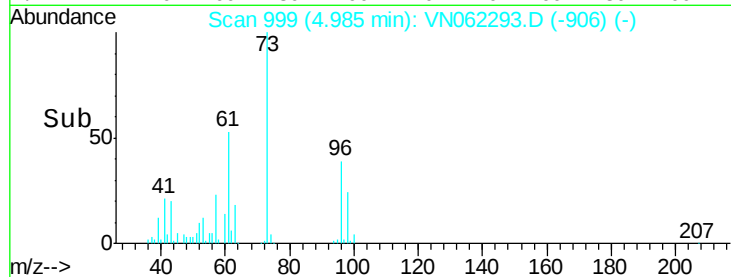
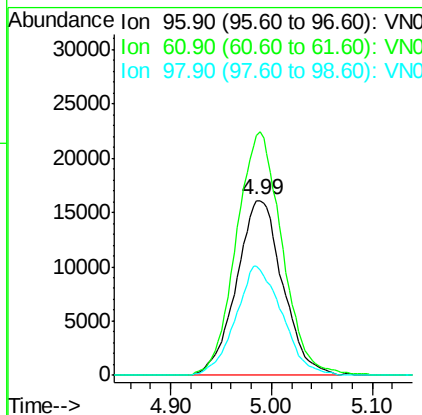
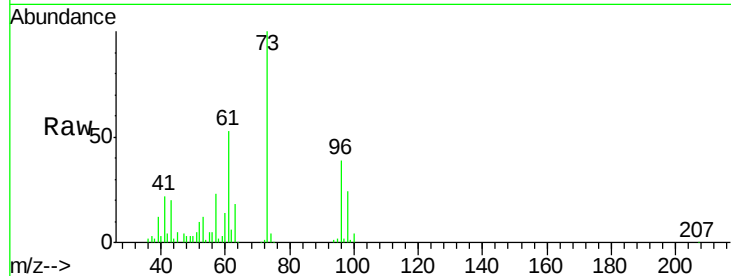
98 62.4 49.3 73.9

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.898 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Tgt Ion: 45 Resp: 164770

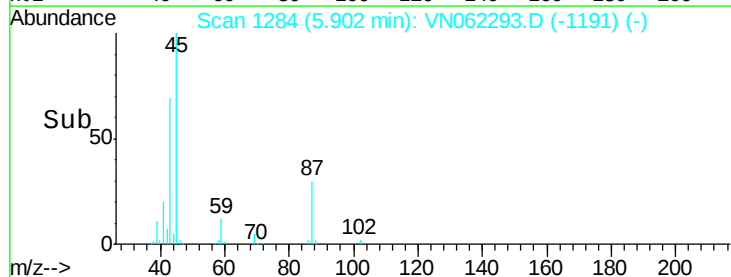
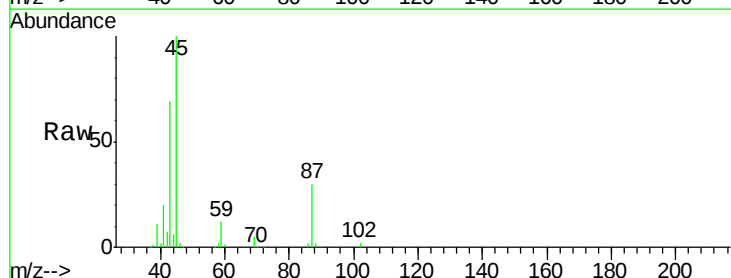
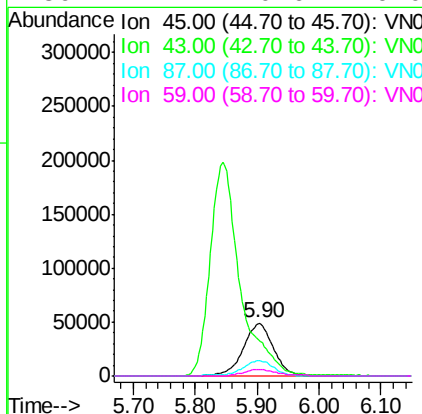
Ion Ratio Lower Upper

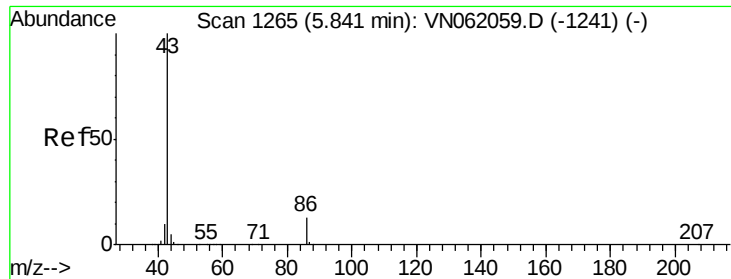
45 100

43 66.9 49.7 74.5

87 30.0 25.9 38.9

59 12.1 10.6 16.0





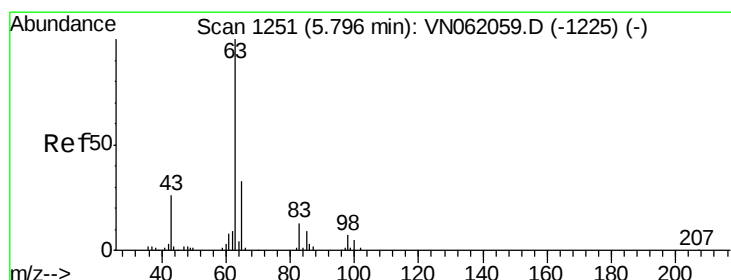
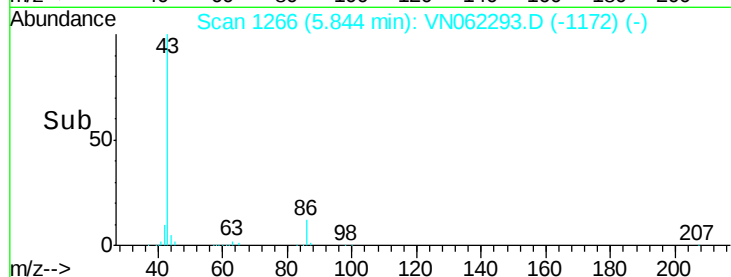
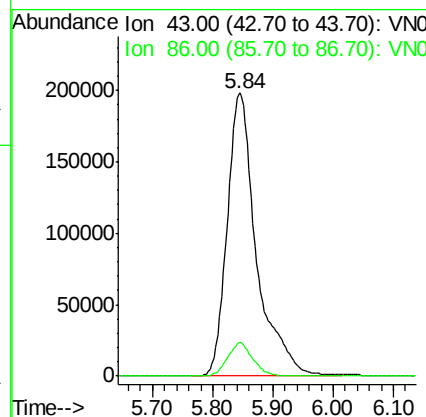
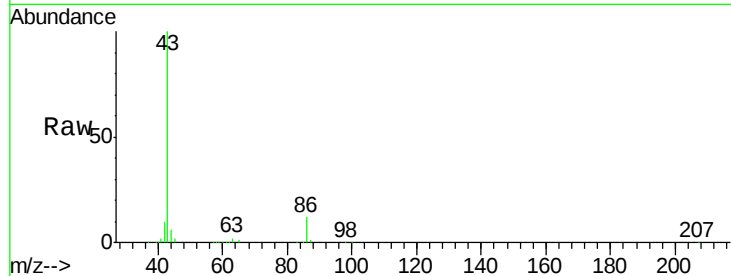
#23
 Vinyl Acetate
 Concen: 104.067 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701MBS01

Tot Ion	43	Resp	669902
Ion Ratio	100	Lower	Upper
43	100		
86	11.8	10.1	15.1

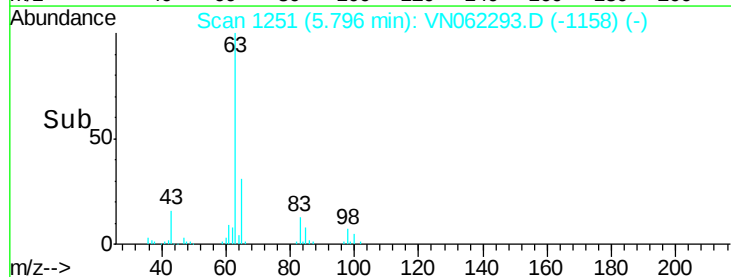
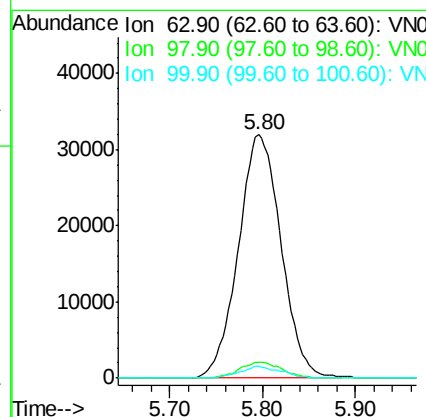
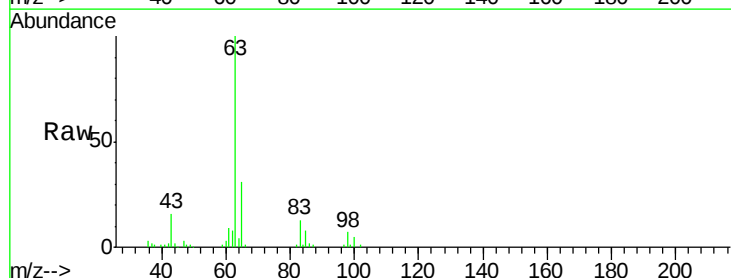
Manual Integrations
 APPROVED

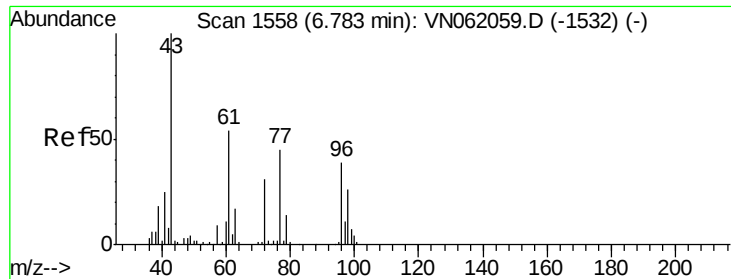
MMDadoda
 7/2/2020 12:38:53 PM



#24
 1,1-Dichloroethane
 Concen: 20.119 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Tgt Ion	63	Resp	102147
Ion Ratio	100	Lower	Upper
63	100		
98	6.7	3.6	10.9
100	4.7	2.4	7.1





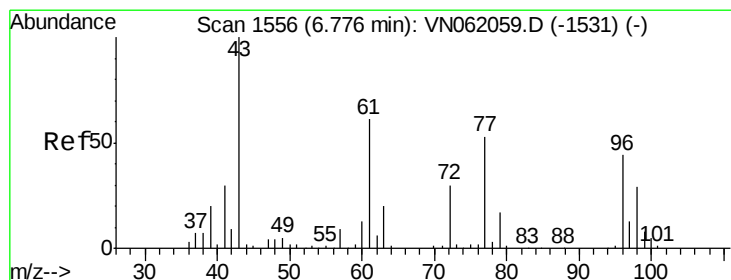
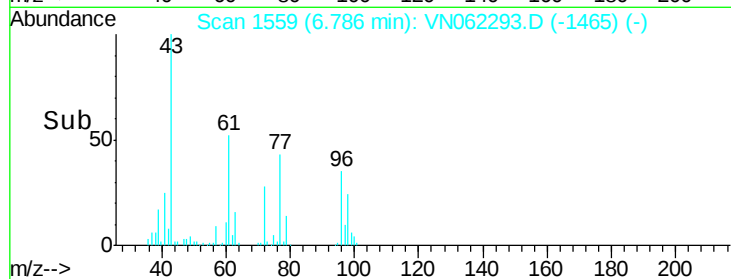
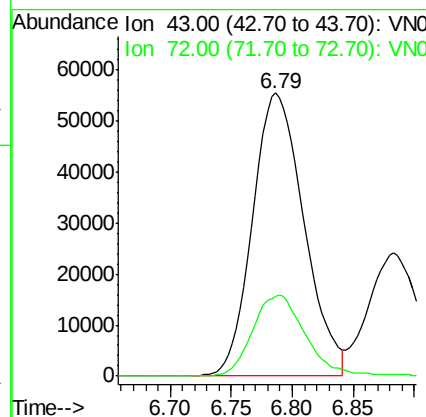
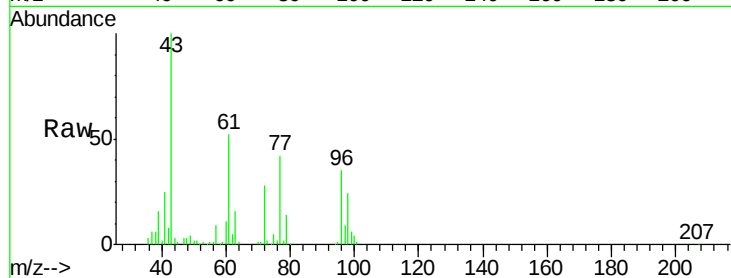
#25
2-Butanone
Concen: 106.991 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Instrument :
MSVOA_N
ClientSampled :
VN0701MBS01

Tot Ion: 43 Resp: 162559
Ion Ratio Lower Upper
43 100
72 28.1 24.8 37.2

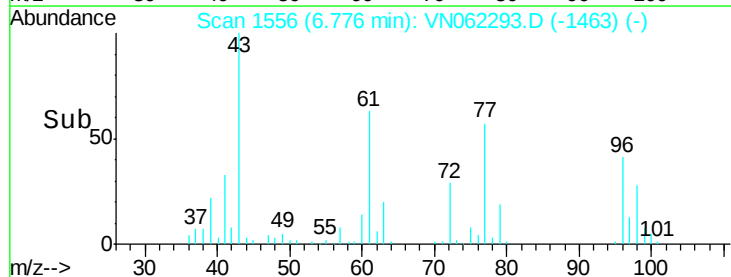
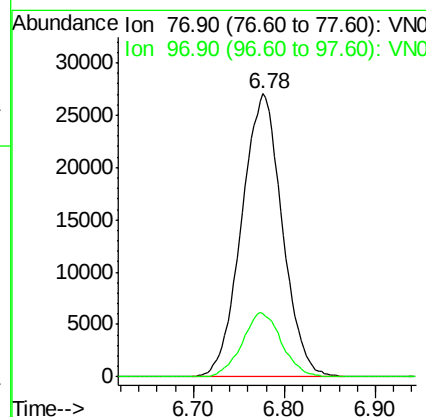
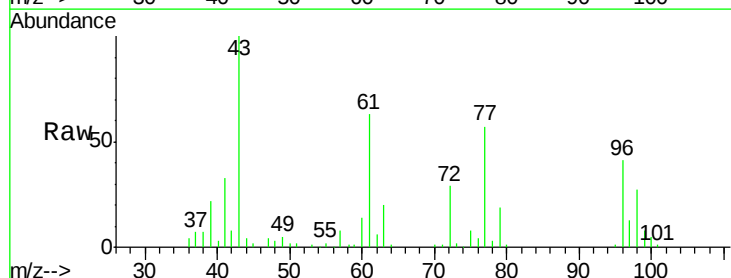
Manual Integrations
APPROVED

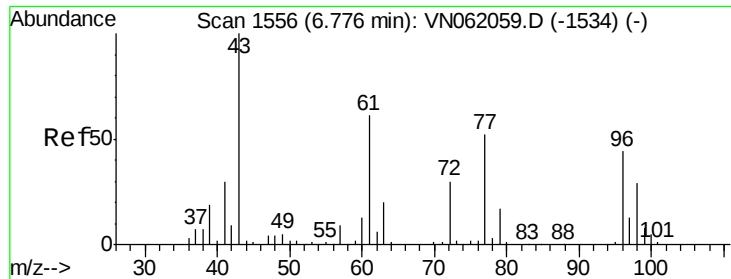
MMDadoda
7/2/2020 12:38:53 PM



#26
2,2-Dichloropropane
Concen: 19.851 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Tgt Ion: 77 Resp: 83987
Ion Ratio Lower Upper
77 100
97 22.0 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.402 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

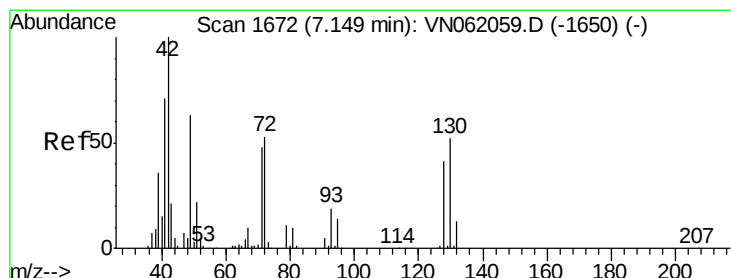
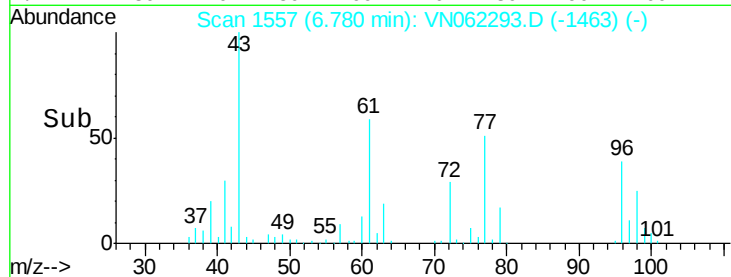
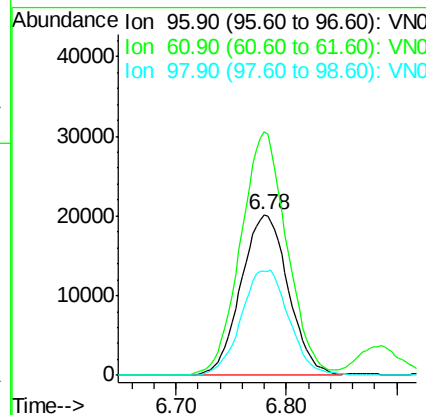
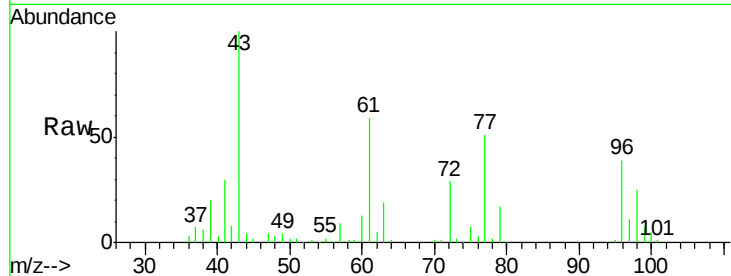
ClientSampleId :

VN0701MBS01

Tot Ion:	96	Resp:	59998
Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	280.4
98	65.8	0.0	129.4

Manual Integrations
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7/2/2020 12:38:53 PM



#28

Bromochloromethane

Concen: 20.300 ug/l

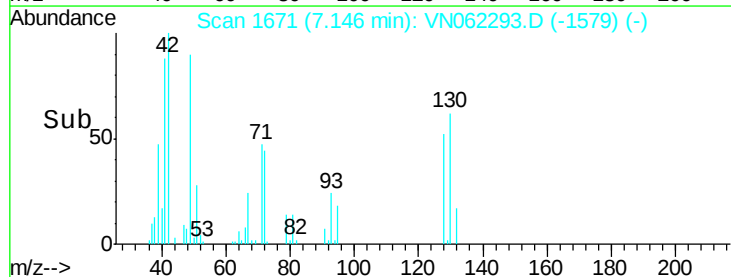
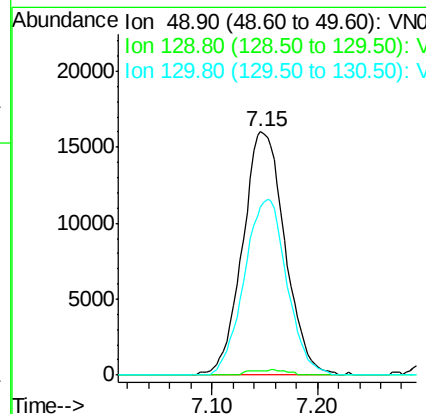
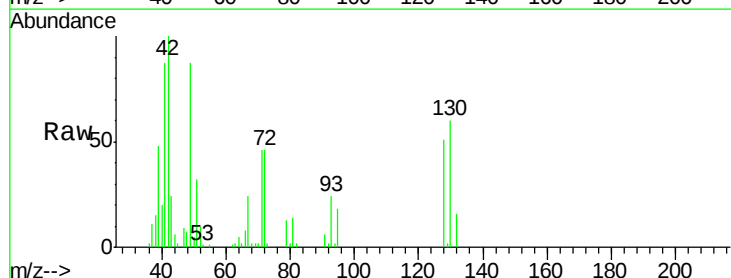
RT: 7.15 min Scan# 1671

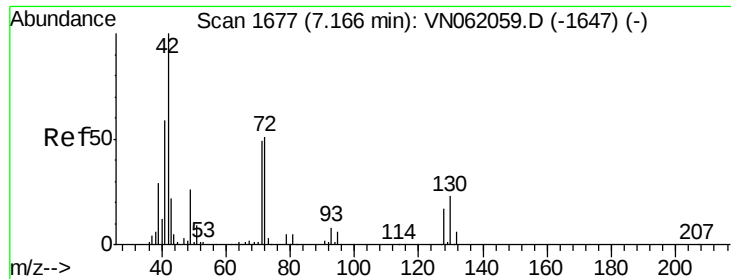
Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Tgt Ion:	49	Resp:	44719
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	72.6	65.5	98.3





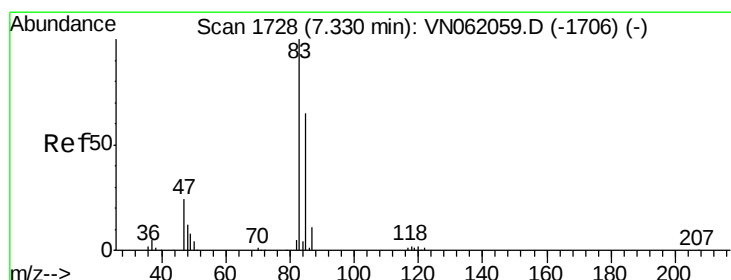
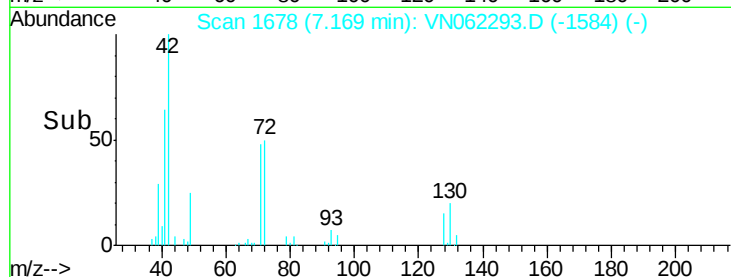
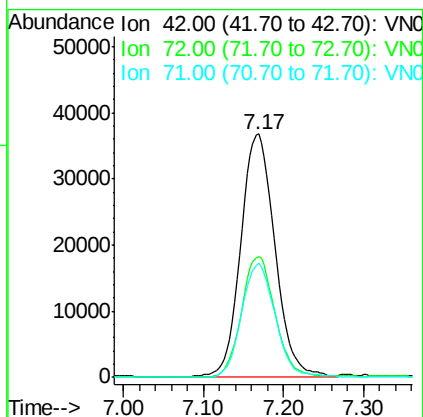
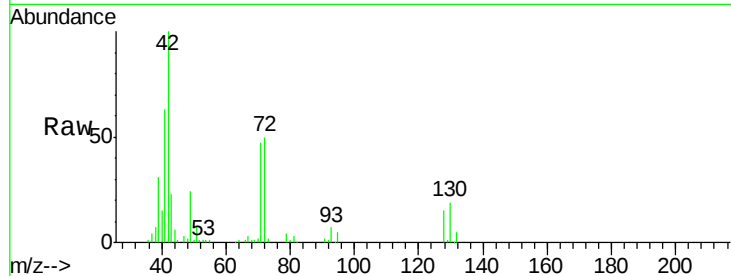
#29
Tetrahydrofuran
Concen: 107.507 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Instrument :
MSVOA_N
ClientSampled :
VN0701MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.4	41.1	61.7
71	45.7	38.2	57.4

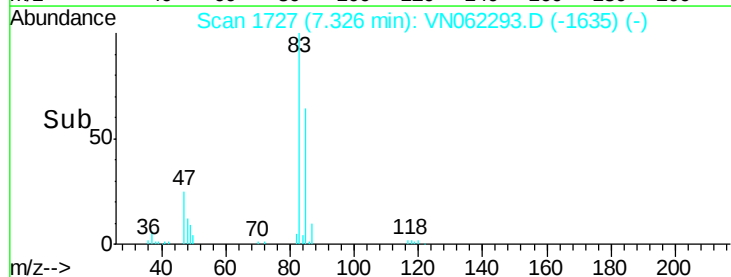
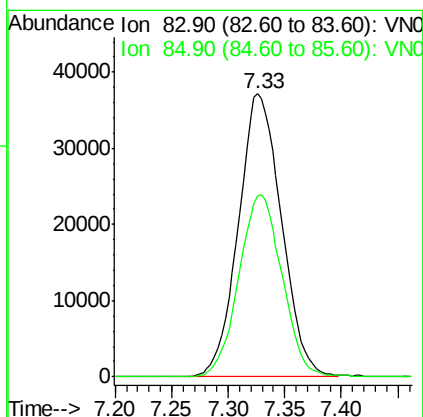
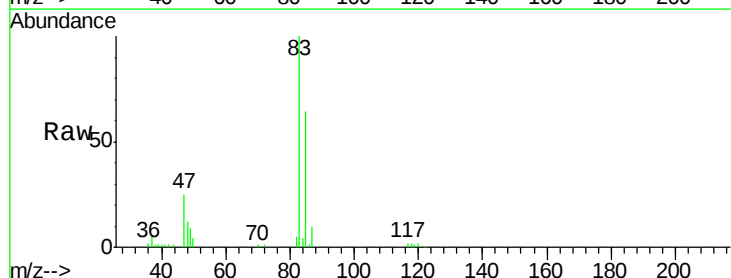
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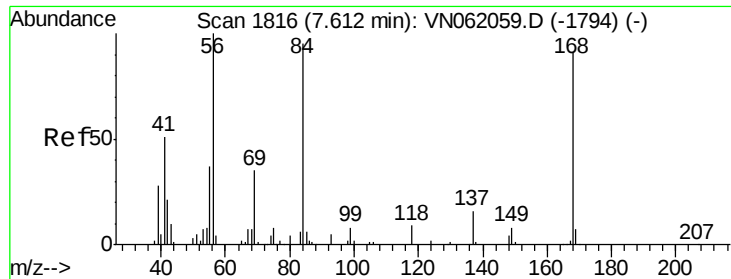
MMDadoda
7/2/2020 12:38:53 PM



#30
Chloroform
Concen: 19.067 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.3	78.5





#31

Cyclohexane

Concen: 19.424 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

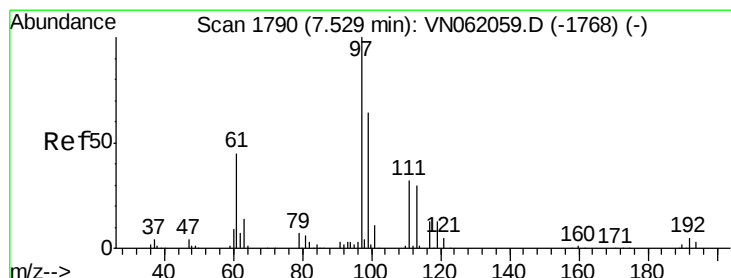
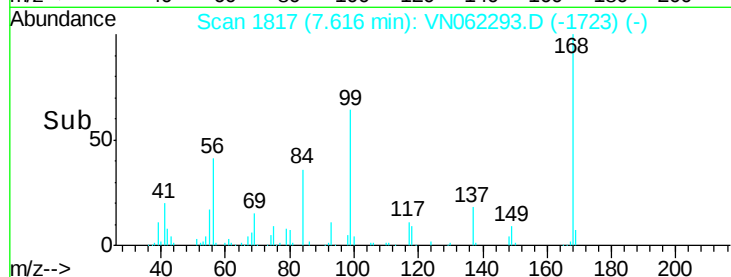
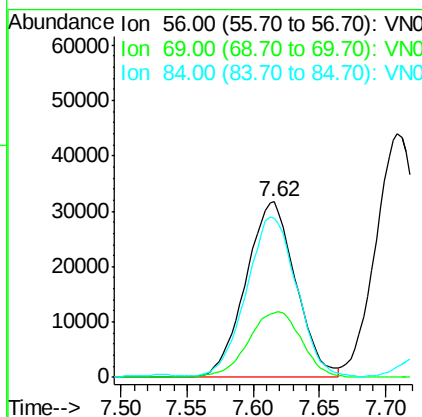
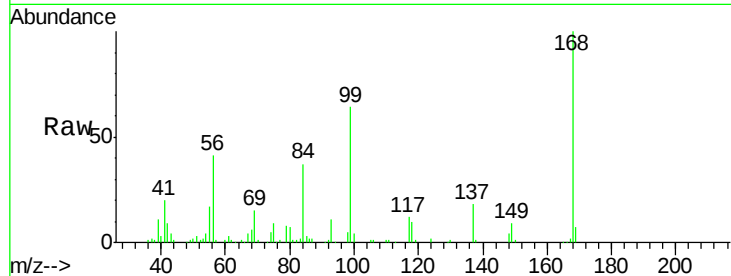
ClientSampleId :

VN0701MBS01

Tot Ion:	56	Resp:	83419
Ion	Ratio	Lower	Upper
56	100		
69	36.8	28.0	42.0
84	89.6	76.1	114.1

Manual Integrations
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7/2/2020 12:38:53 PM



#32

1,1,1-Trichloroethane

Concen: 18.408 ug/l

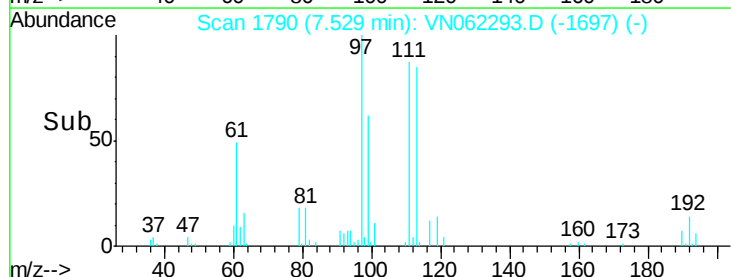
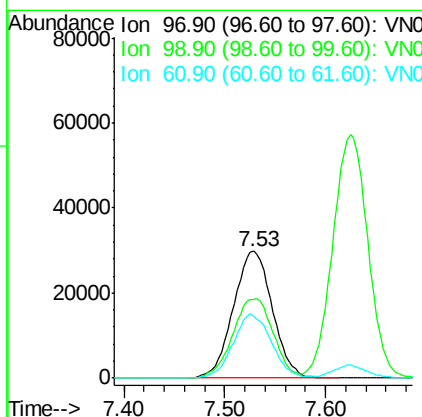
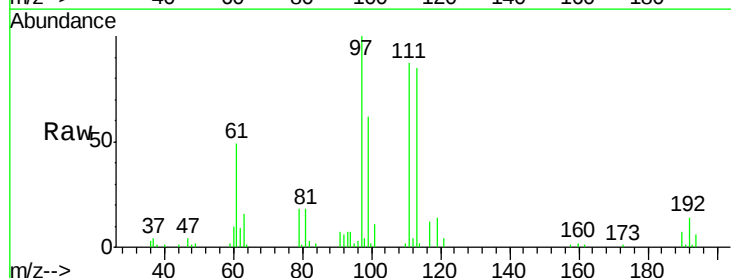
RT: 7.53 min Scan# 1790

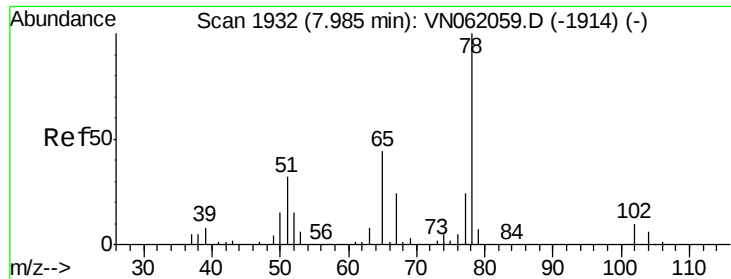
Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Tgt Ion:	97	Resp:	80190
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	49.6	36.2	54.2





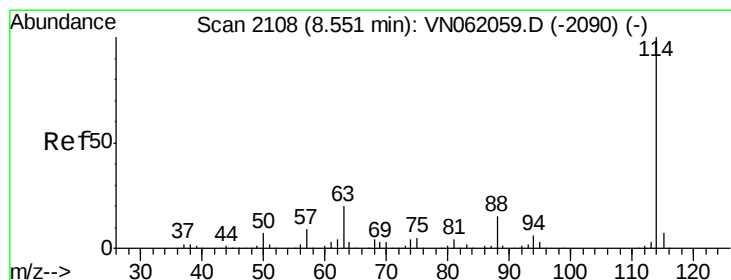
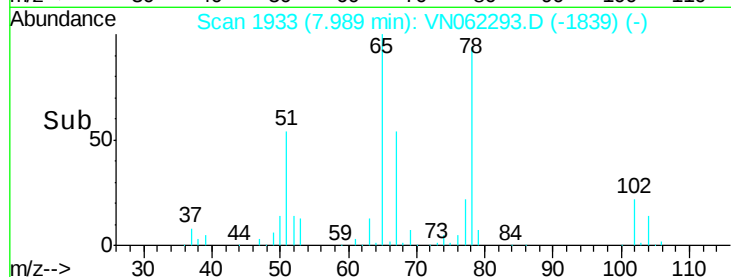
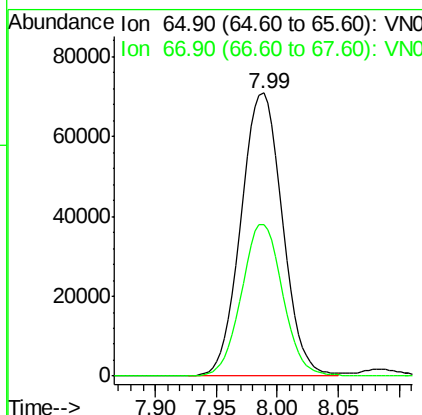
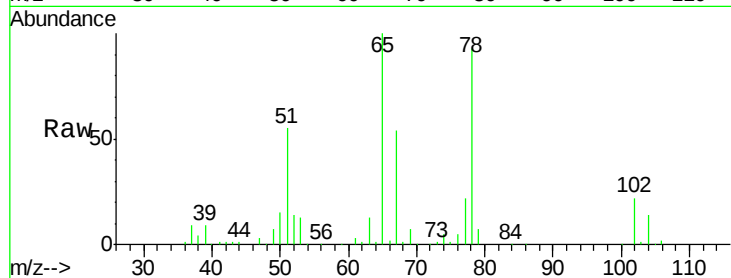
#33
 1,2-Dichloroethane-d4
 Concen: 53.698 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701MBS01

Tot Ion: 65 Resp: 166917
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.2

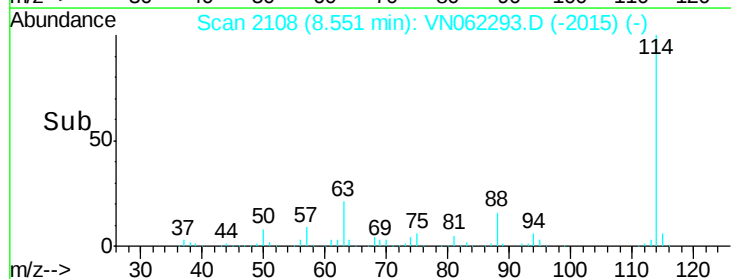
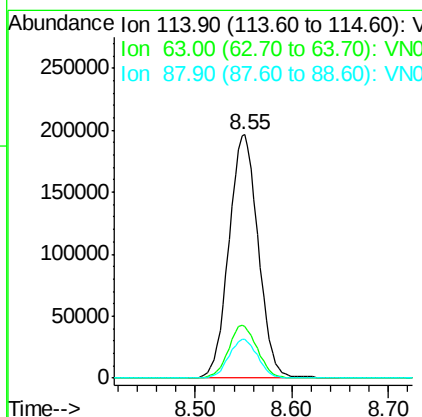
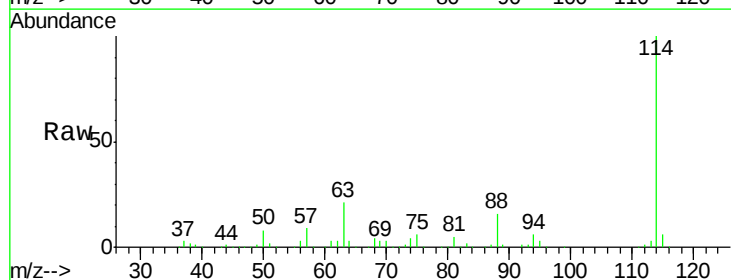
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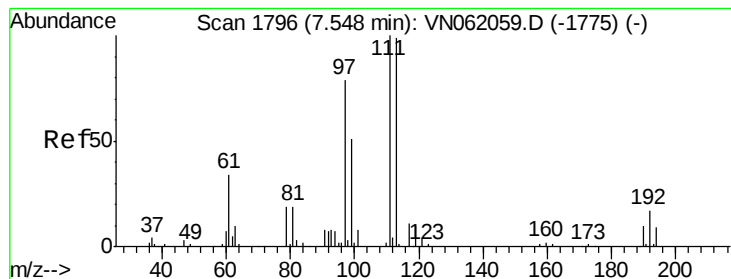
MMDadoda
 7/2/2020 12:38:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Tgt Ion: 114 Resp: 413324
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.2
 88 15.9 0.0 30.8





#35

Dibromofluoromethane

Concen: 48.081 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

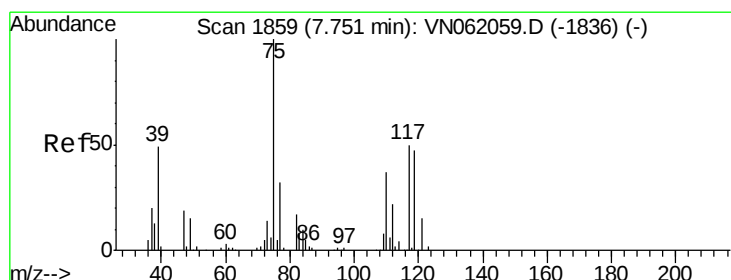
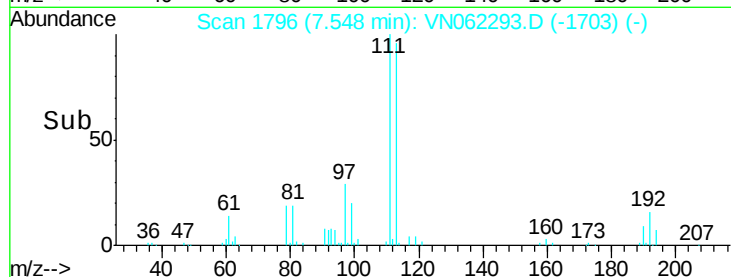
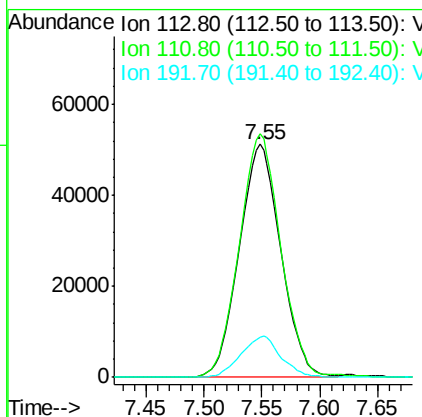
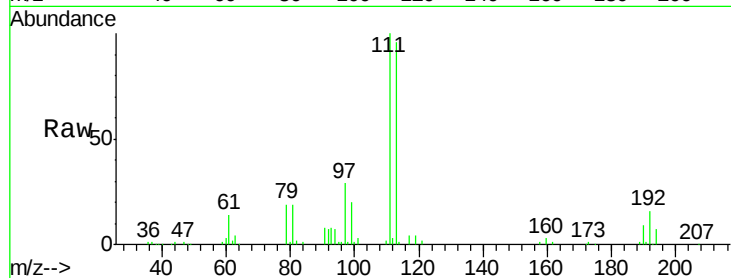
ClientSampled :

VN0701MBS01

Tot Ion:	113	Resp:	127495
Ion Ratio	Lower	Upper	
113	100		
111	103.9	82.2	123.4
192	17.1	14.0	21.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 17.388 ug/l

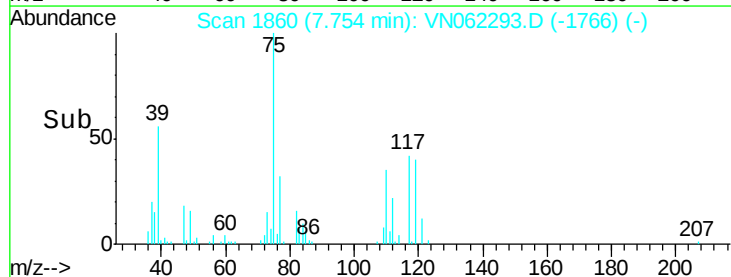
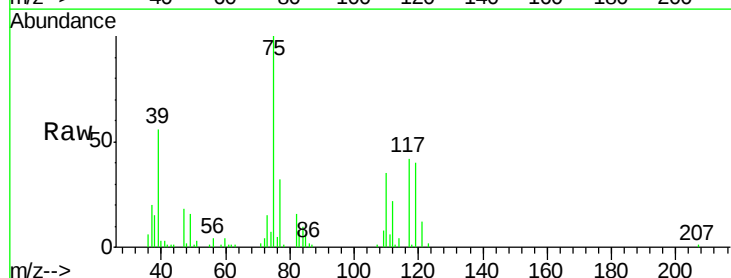
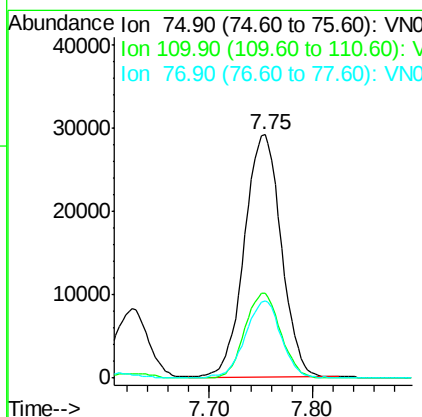
RT: 7.75 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Tgt Ion:	75	Resp:	72240
Ion Ratio	Lower	Upper	
75	100		
110	33.9	17.9	53.8
77	30.9	24.9	37.3





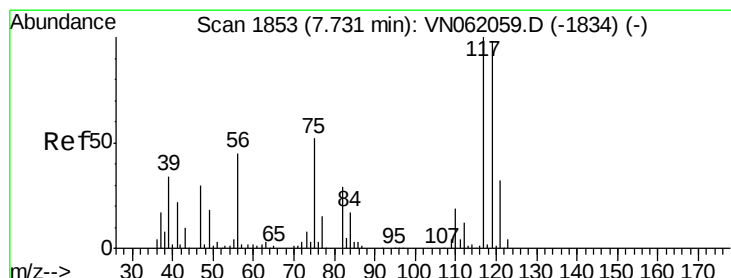
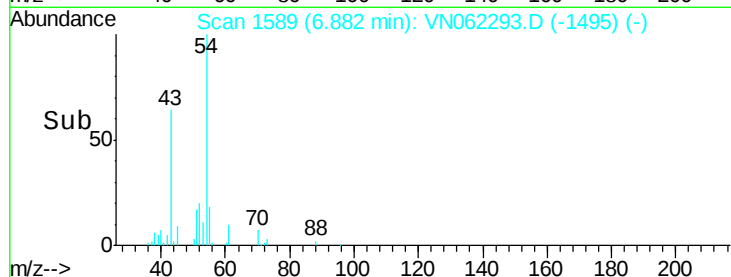
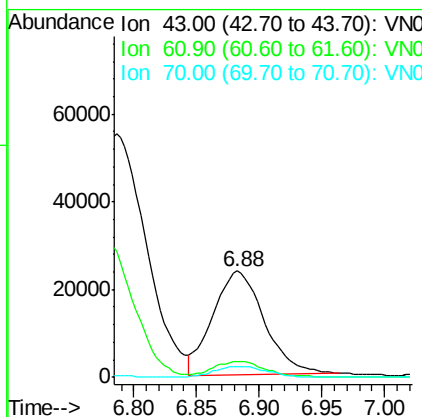
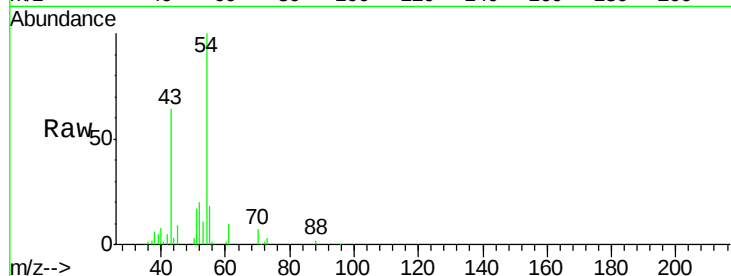
#37
Ethyl Acetate
Concen: 19.650 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Instrument :
MSVOA_N
ClientSampled :
VN0701MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.0	18.0
70	10.8	9.6	14.4

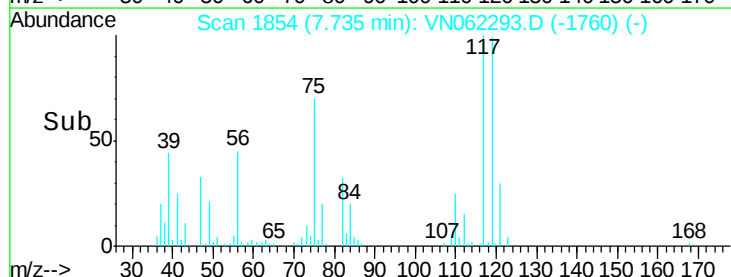
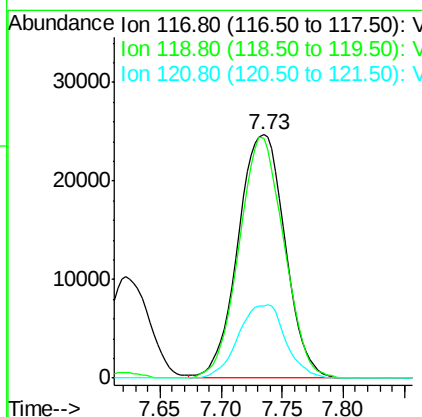
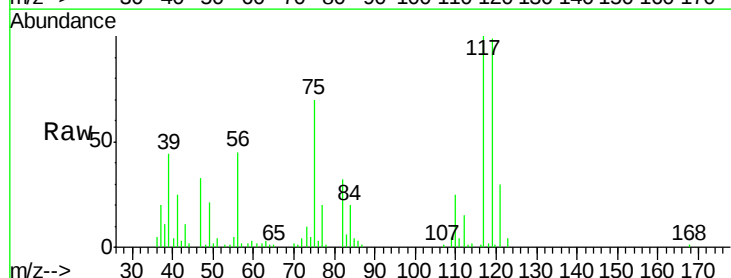
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#38
Carbon Tetrachloride
Concen: 16.846 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	78.2	117.2
121	29.9	25.8	38.6





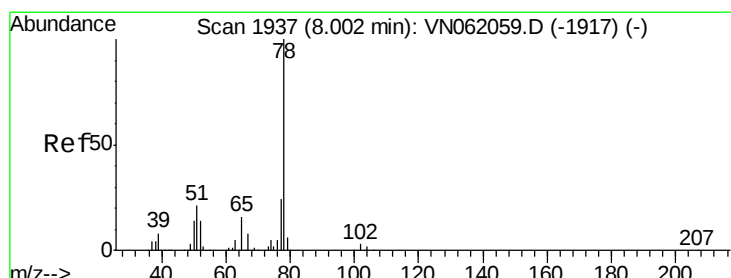
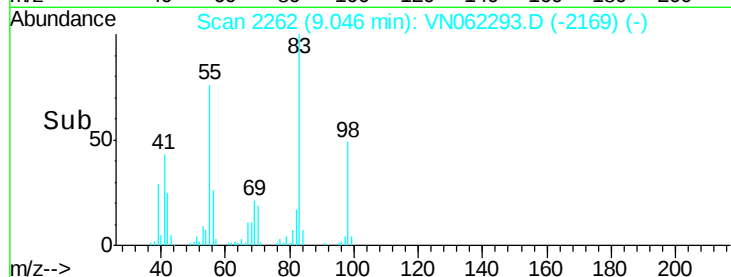
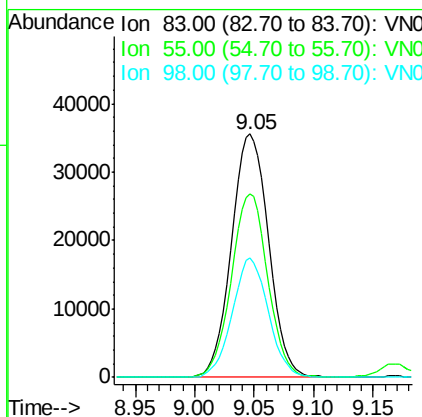
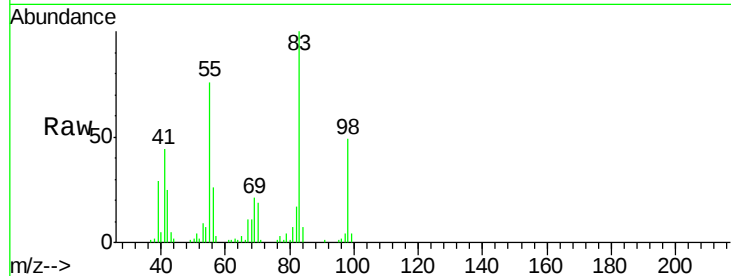
#39
Methvlcvclohexane
Concen: 16.913 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :
VN0701MBS01

Tot Ion	83	Resp	76988
Ion Ratio	Lower	Upper	
83	100		
55	75.6	57.0	85.6
98	49.0	39.0	58.6

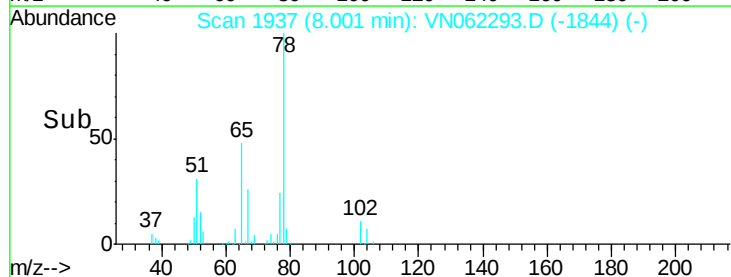
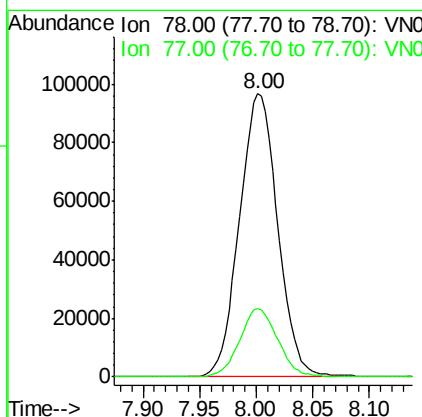
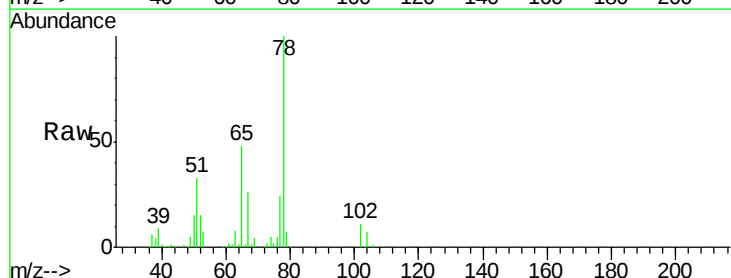
Manual Integrations
APPROVED

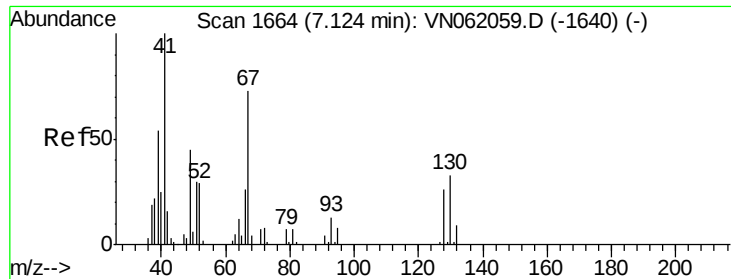
MMDadoda
7/2/2020 12:38:53 PM



#40
Benzene
Concen: 17.935 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Tgt Ion	78	Resp	227110
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.5	29.3





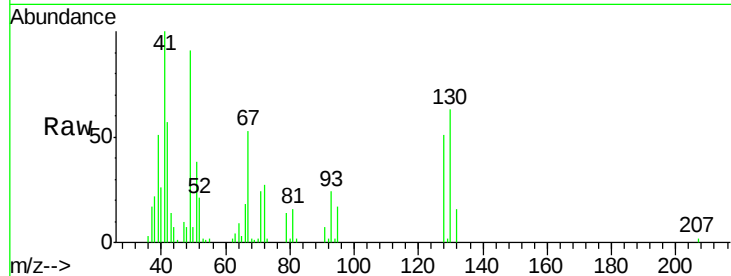
#41
Methacrylonitrile
Concen: 19.156 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. 0.01 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Instrument :
MSVOA_N
ClientSampled :
VN0701MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.1	44.2	66.2	
67	99.2	79.5	119.3	
52	37.7	32.3	48.5	

Manual Integrations
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7/2/2020 12:38:53 PM

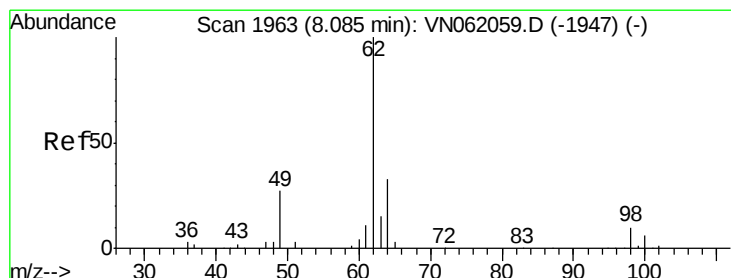
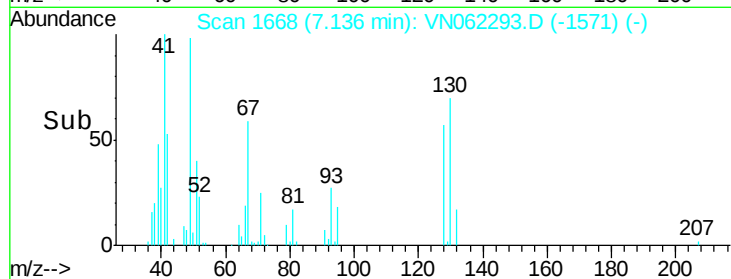
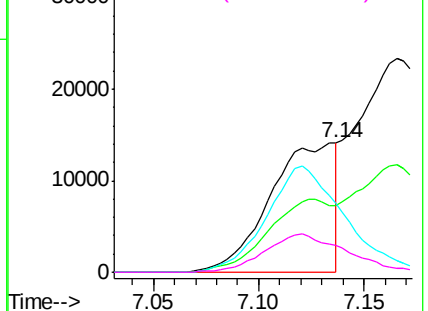


Abundance Ion 41.00 (40.70 to 41.70): VN062059.D (-1640) (-)

Ion 39.00 (38.70 to 39.70): VN062059.D (-1640) (-)

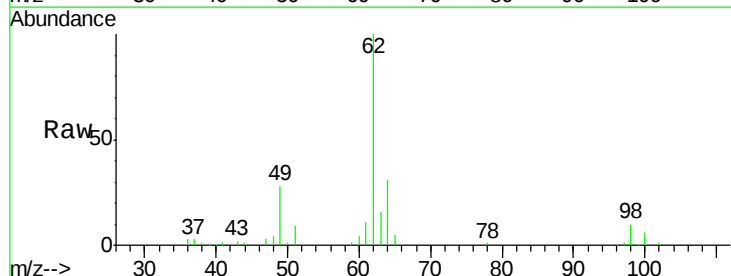
Ion 67.00 (66.70 to 67.70): VN062059.D (-1640) (-)

Ion 52.00 (51.70 to 52.70): VN062059.D (-1640) (-)



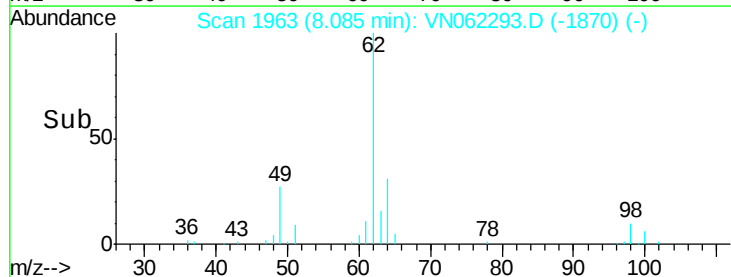
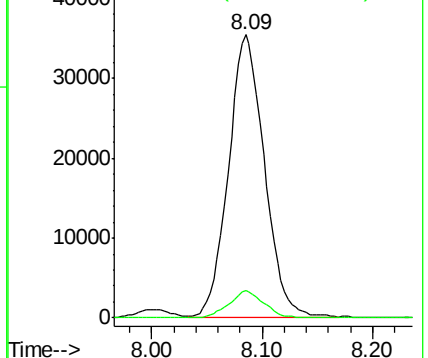
#42
1,2-Dichloroethane
Concen: 18.767 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

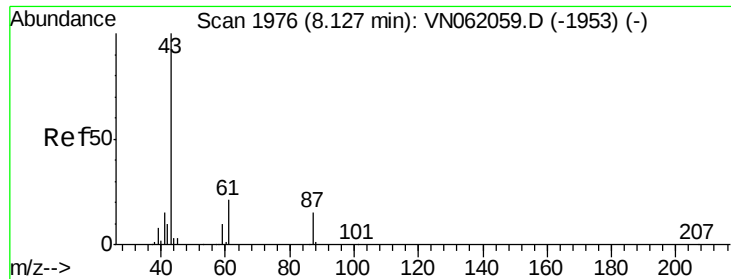
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	19.8	



Abundance Ion 61.90 (61.60 to 62.60): VN062059.D (-1947) (-)

Ion 97.90 (97.60 to 98.60): VN062059.D (-1947) (-)





#43

Isopropyl Acetate

Concen: 19.822 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

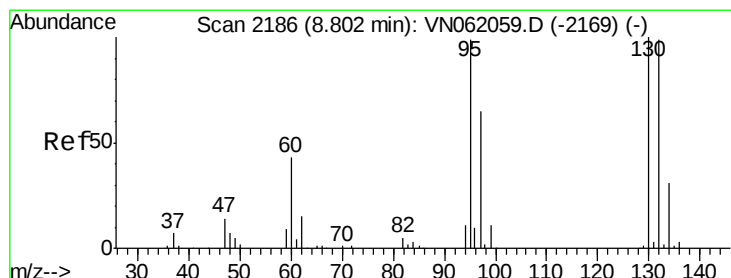
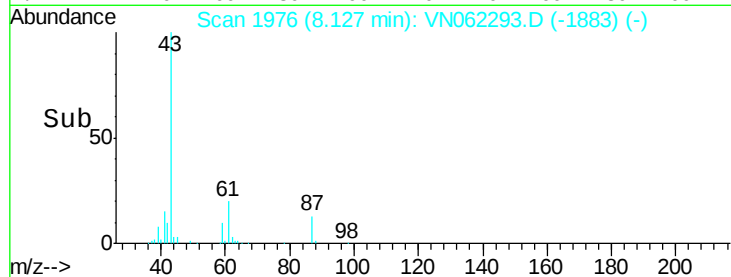
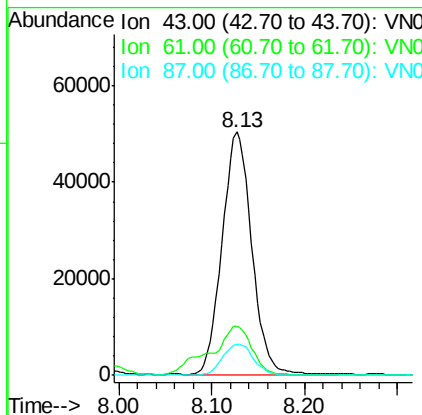
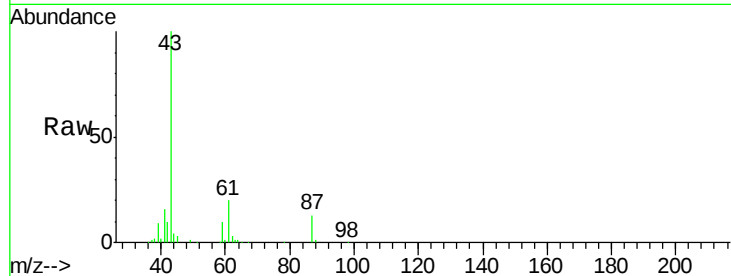
ClientSampled :

VN0701MBS01

Tot Ion:	43	Resp:	111163
Ion Ratio	Lower	Upper	
43	100		
61	28.8	17.2	25.8#
87	13.4	12.1	18.1

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#44

Trichloroethene

Concen: 16.105 ug/l

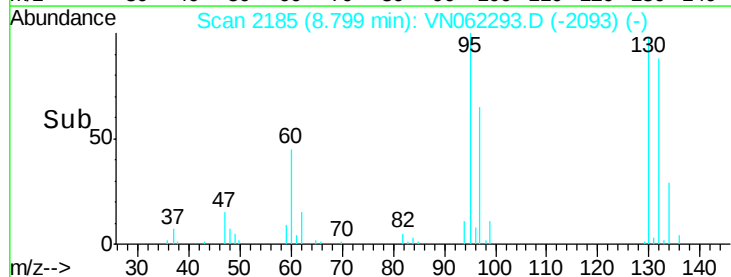
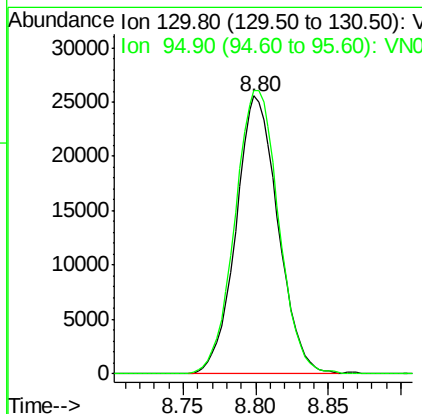
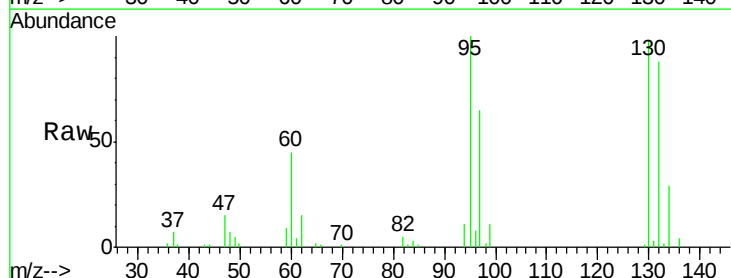
RT: 8.80 min Scan# 2185

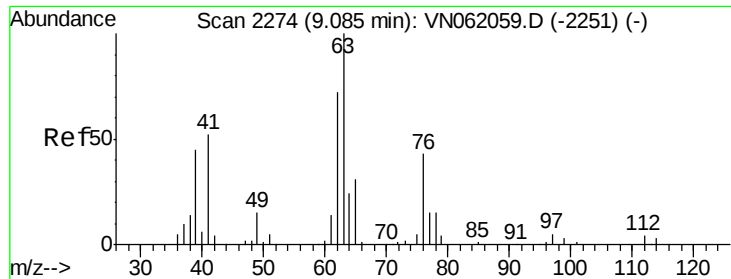
Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Tgt Ion:	130	Resp:	51444
Ion Ratio	Lower	Upper	
130	100		
95	101.8	0.0	197.8





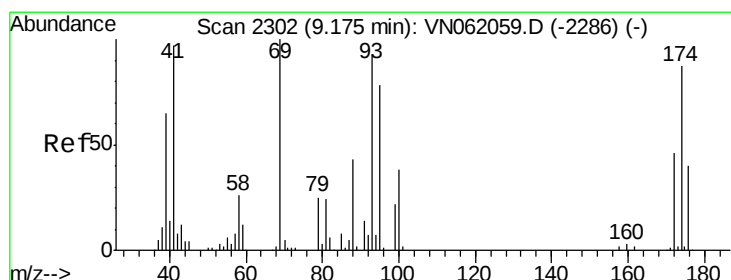
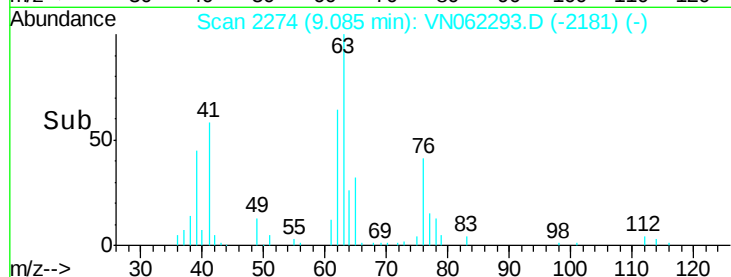
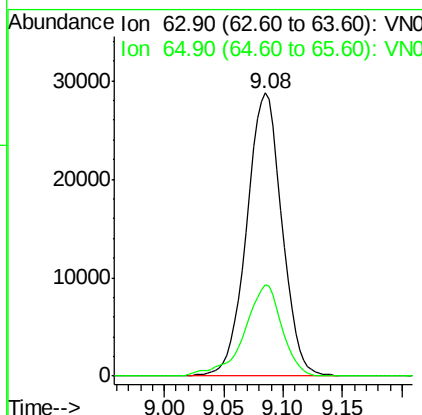
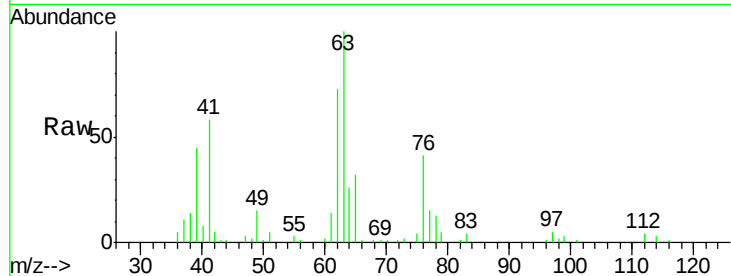
#45
 1,2-Dichloropropane
 Concen: 18.909 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701MBS01

Tot Ion: 63 Resp: 59071
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.0 37.4

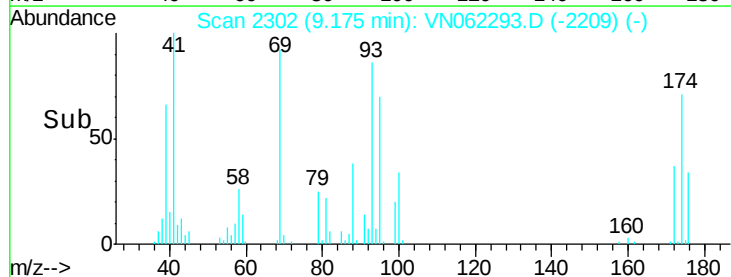
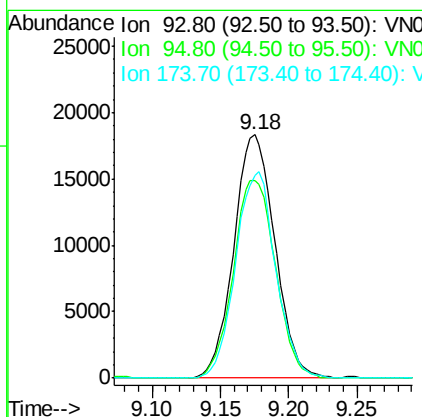
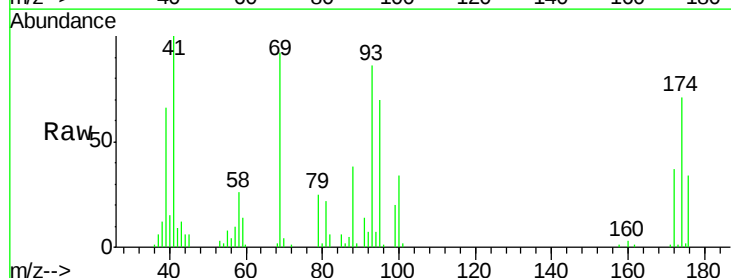
Manual Integrations
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#46
 Dibromomethane
 Concen: 18.117 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Tgt Ion: 93 Resp: 38374
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.6
 174 82.8 74.4 111.6





#47

Bromodichloromethane

Concen: 18.333 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

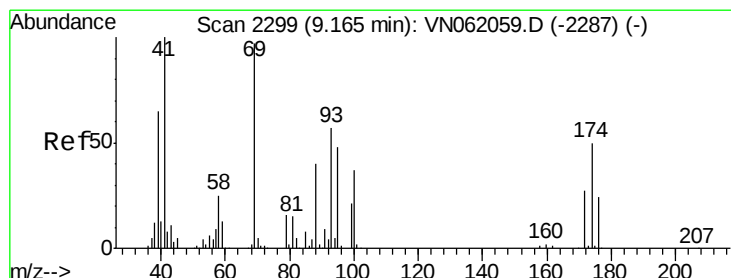
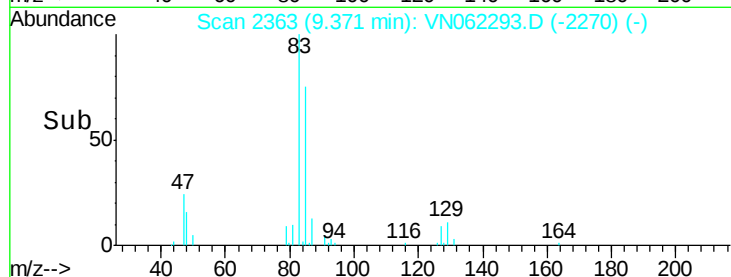
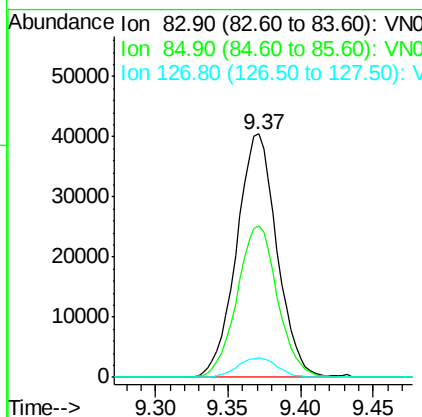
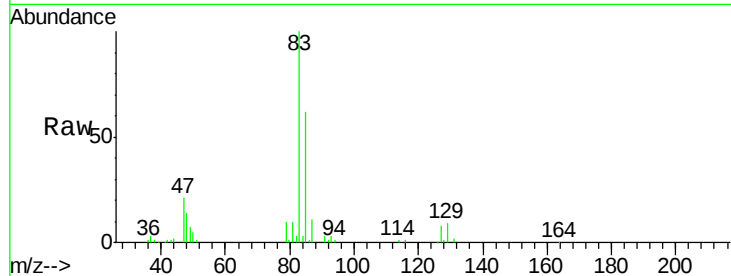
ClientSampled :

VN0701MBS01

Tot Ion:	83	Resp:	78406
Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.3	75.5
127	7.8	6.9	10.3

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#48

Methyl methacrylate

Concen: 19.851 ug/l

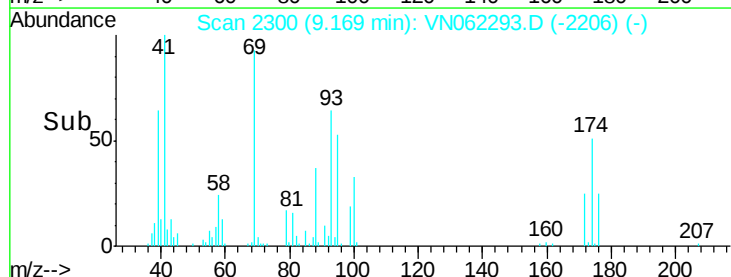
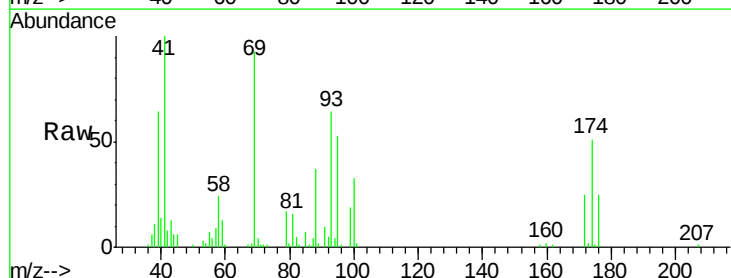
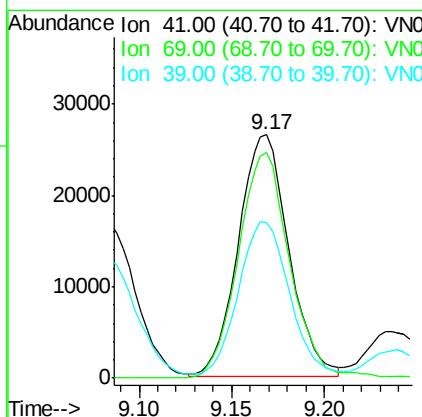
RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Tgt Ion:	41	Resp:	49915
Ion	Ratio	Lower	Upper
41	100		
69	95.3	80.7	121.1
39	66.8	54.5	81.7





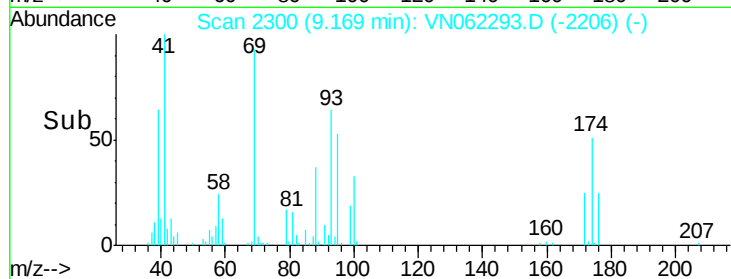
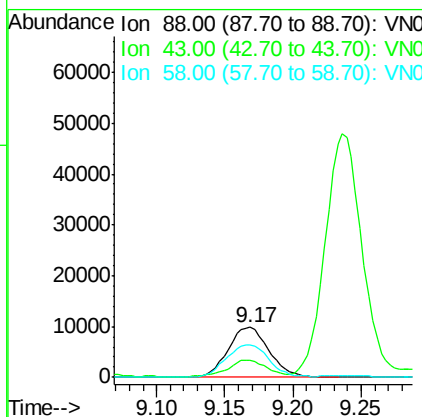
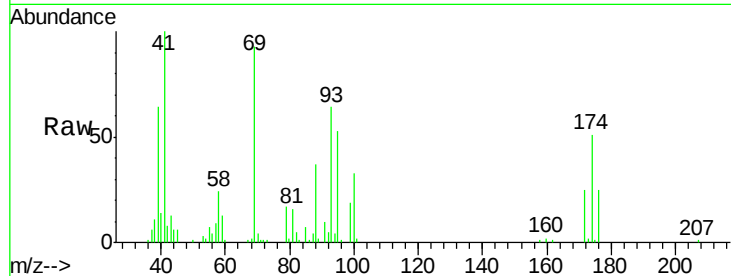
#49
1,4-Dioxane
Concen: 370.038 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :
VN0701MBS01

Tot Ion	88	Resp	20634
Ion	Ratio	Lower	Upper
88	100		
43	34.1	22.0	33.0#
58	68.0	49.2	73.8

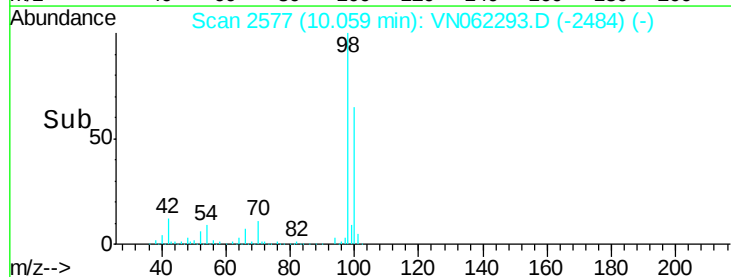
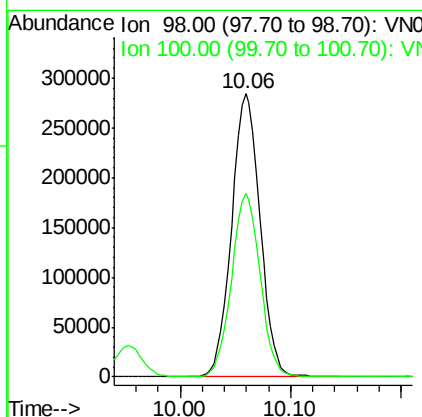
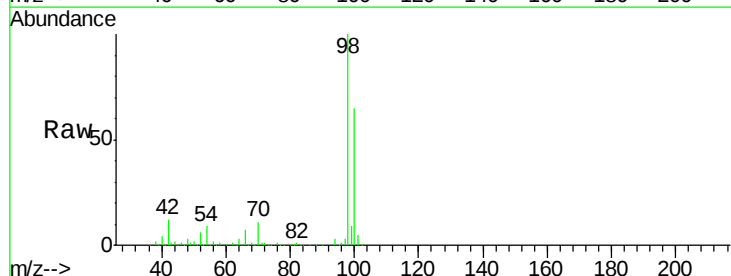
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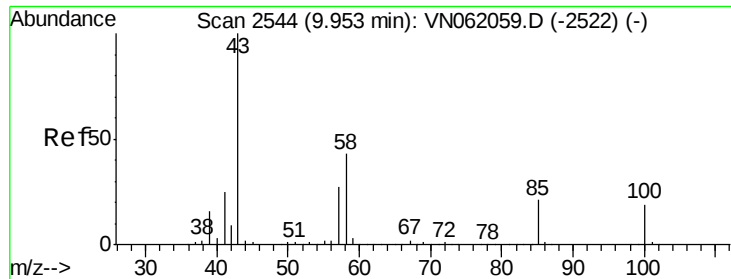
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#50
Toluene-d8
Concen: 48.057 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Tgt Ion	98	Resp	509381
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 103.313 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

ClientSampled :

VN0701MBS01

Tot Ion: 43 Resp: 338509

Ion Ratio Lower Upper

43 100

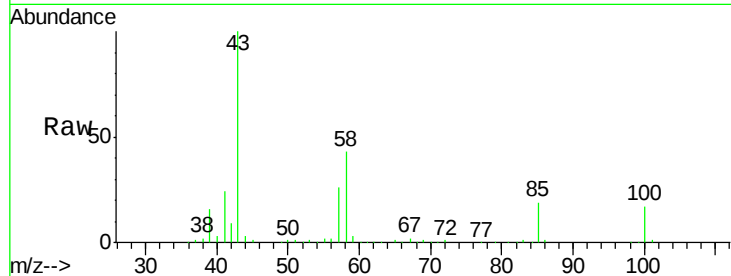
58 41.5 34.2 51.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

200000

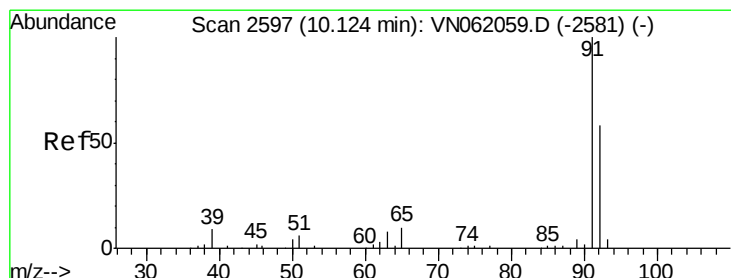
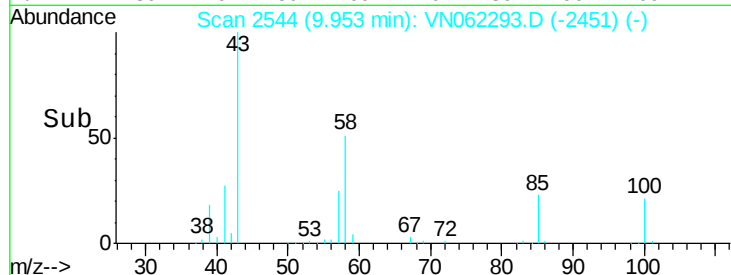
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.151 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062293.D

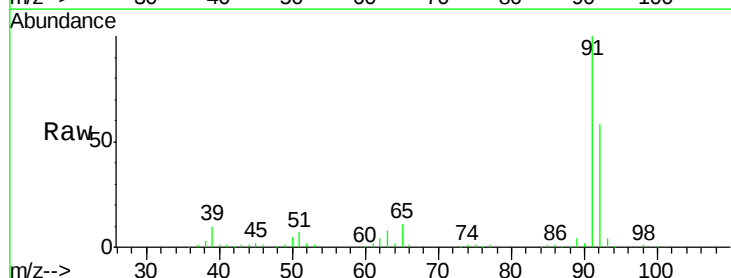
Acq: 1 Jul 2020 15:42

Tgt Ion: 92 Resp: 140239

Ion Ratio Lower Upper

92 100

91 172.0 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.12

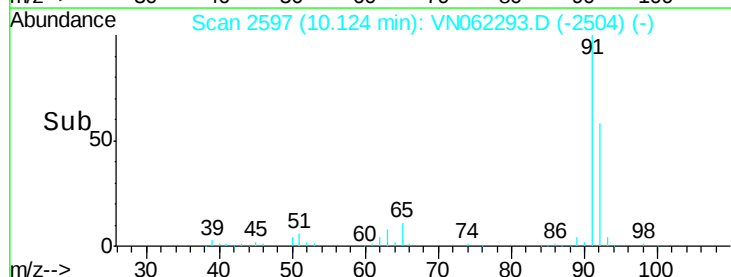
150000

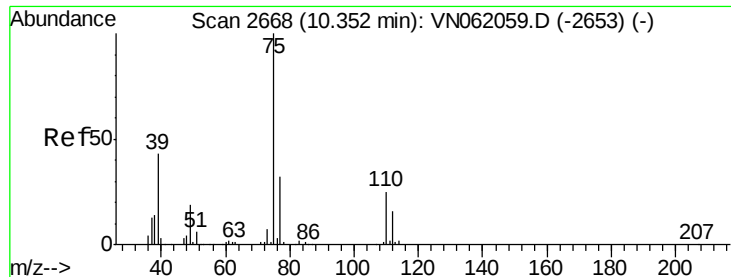
100000

50000

0

Time-->





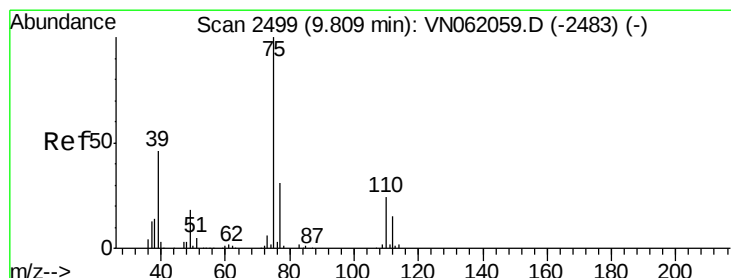
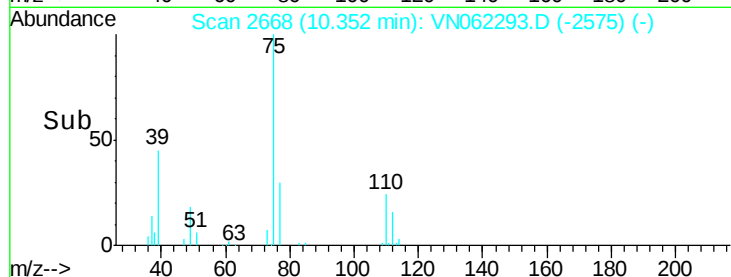
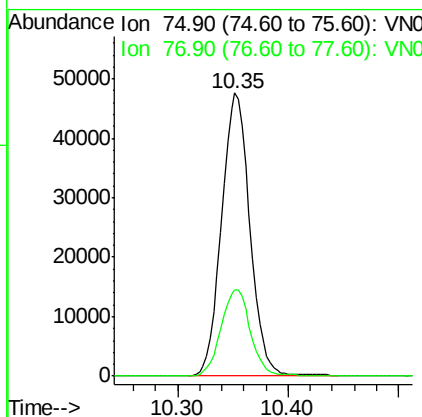
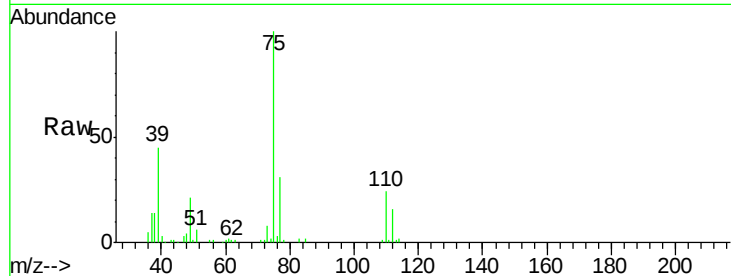
#53
t-1,3-Dichloropropene
Concen: 18.026 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Instrument :
MSVOA_N
ClientSampled :
VN0701MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.5	38.3

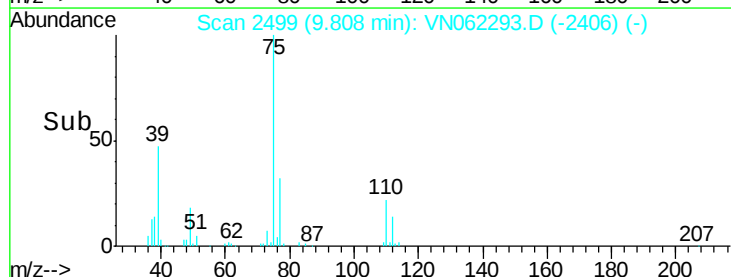
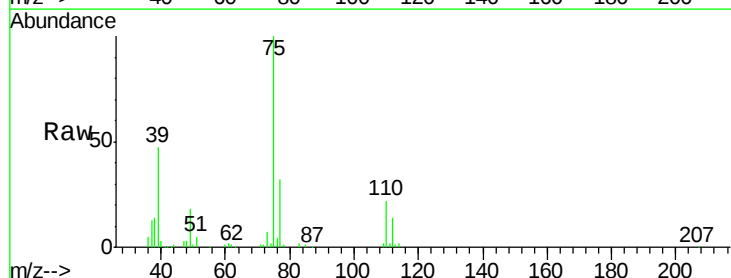
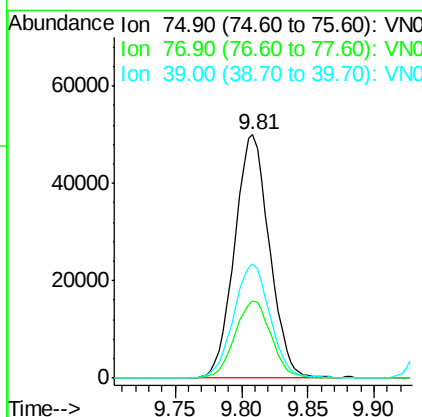
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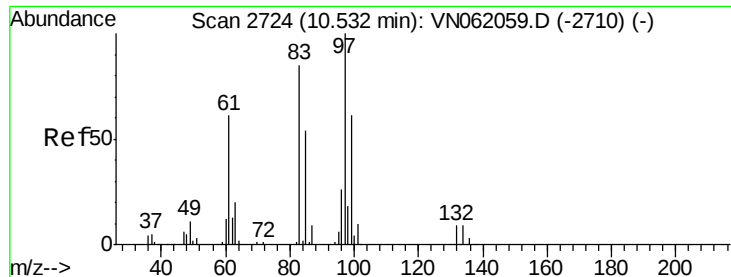
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.276 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.6
39	46.8	36.9	55.3





#55

1,1,2-Trichloroethane

Concen: 18.699 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

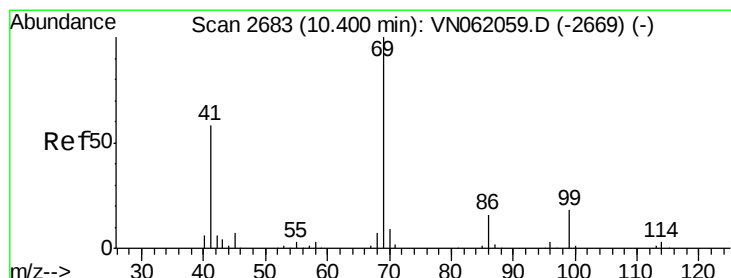
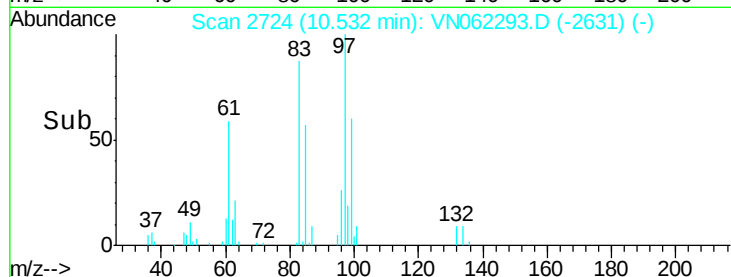
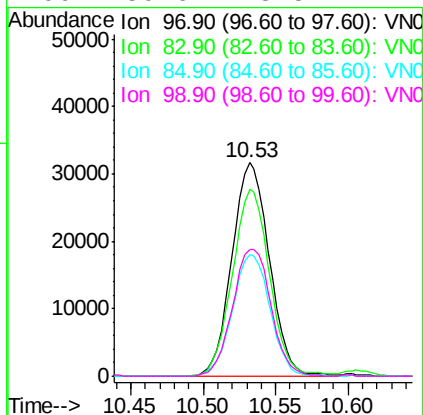
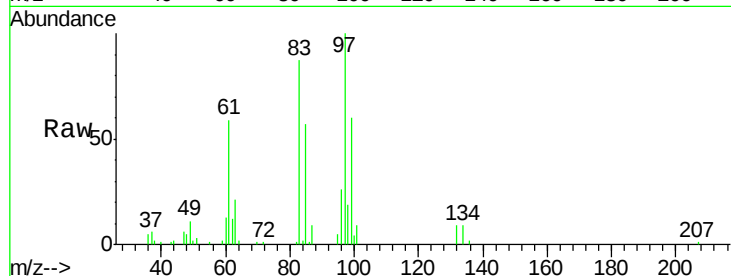
ClientSampleId :

VN0701MBS01

Tot Ion:	97	Resp:	56790
Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.2	102.2
85	56.7	43.2	64.8
99	59.6	48.5	72.7

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#56

Ethyl methacrylate

Concen: 18.726 ug/l

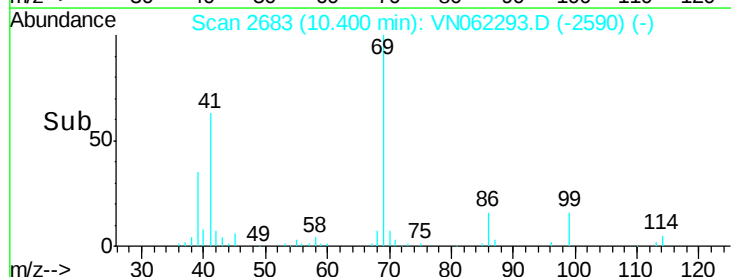
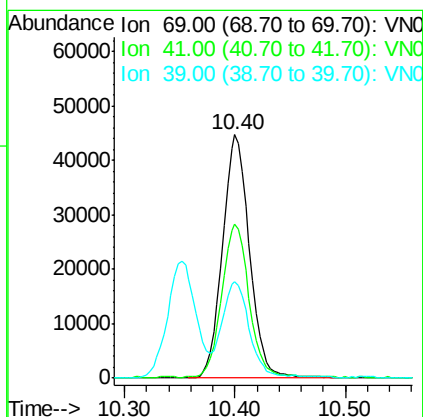
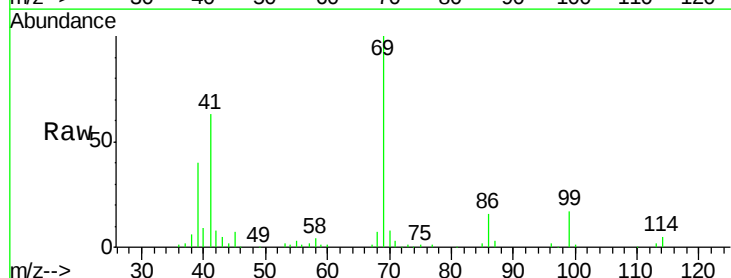
RT: 10.40 min Scan# 2683

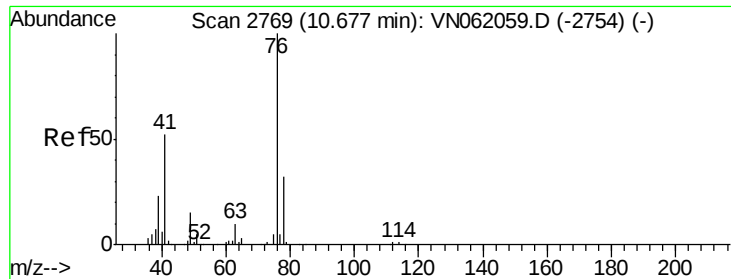
Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Tgt Ion:	69	Resp:	75899
Ion	Ratio	Lower	Upper
69	100		
41	62.6	46.6	70.0
39	39.7	31.0	46.4





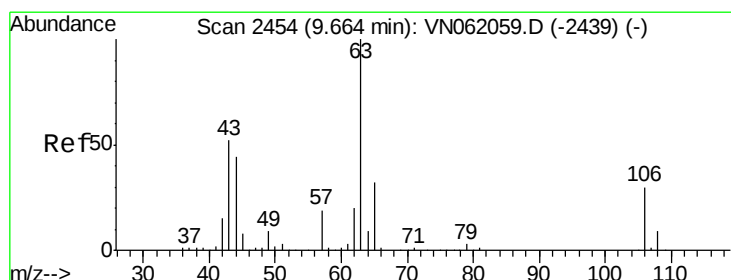
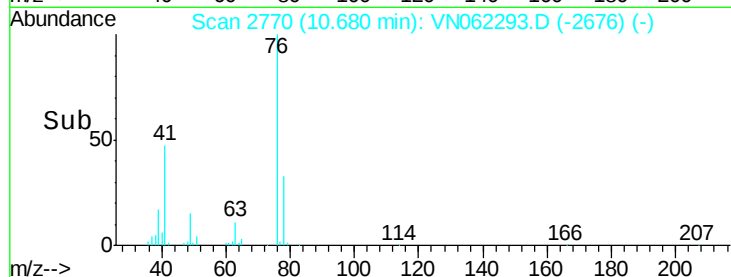
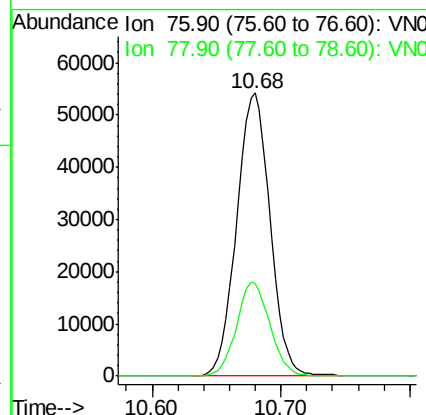
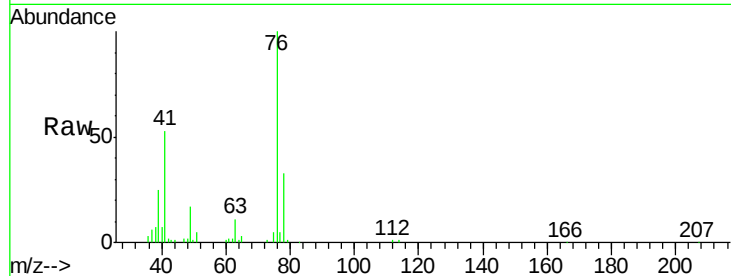
#57
 1,3-Dichloropropane
 Concen: 18.662 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Instrument :
 MSVOA_N
 ClientSampled :
 VN0701MBS01

Tot Ion: 76 Resp: 97560
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.8 38.8

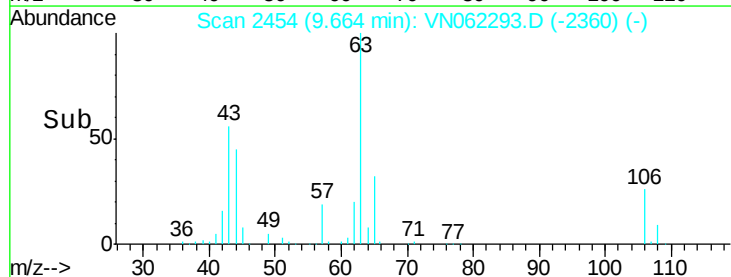
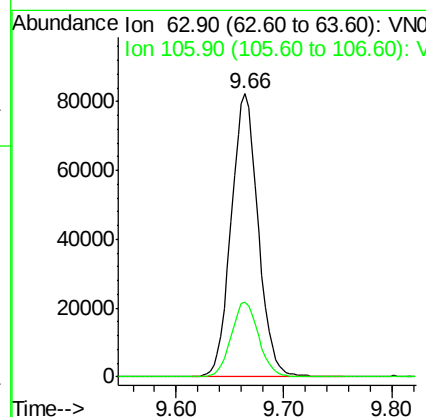
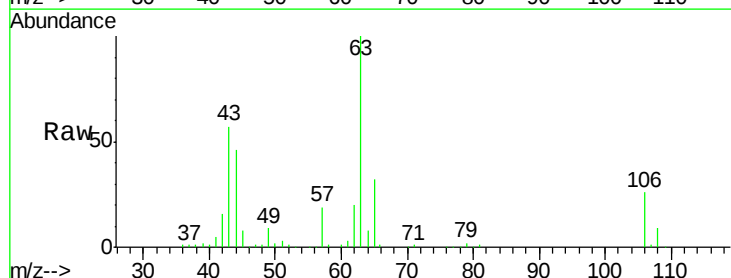
Manual Integrations
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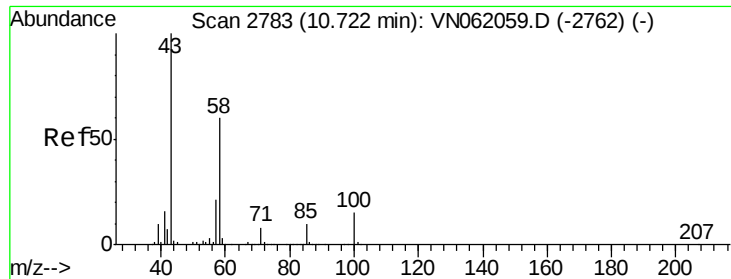
MMDadoda
 7/2/2020 12:38:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.971 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Tgt Ion: 63 Resp: 143624
 Ion Ratio Lower Upper
 63 100
 106 26.7 23.2 34.8





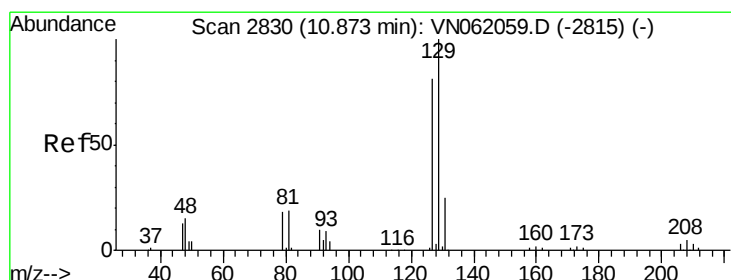
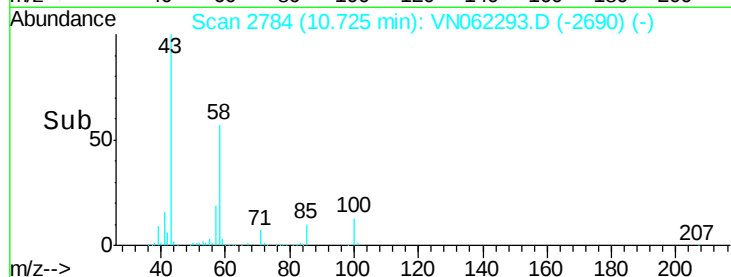
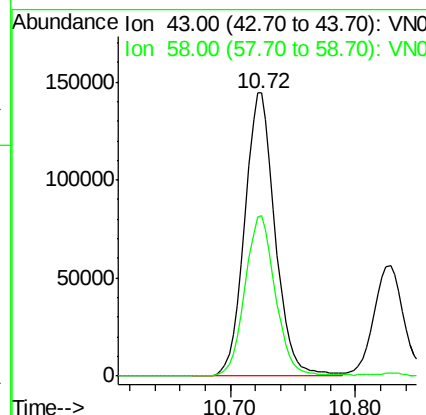
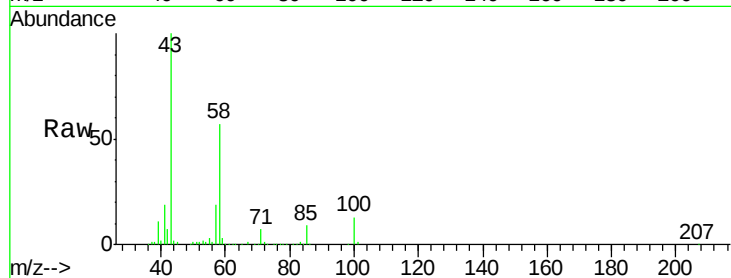
#59
2-Hexanone
Concen: 102.633 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :
VN0701MBS01

Tot Ion	43	Resp	242828
Ion Ratio	100	Lower	Upper
43	100		
58	57.0	29.5	88.5

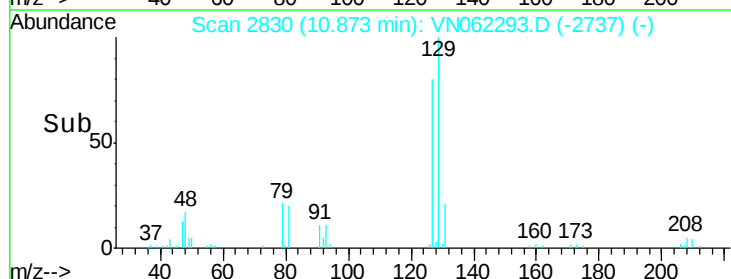
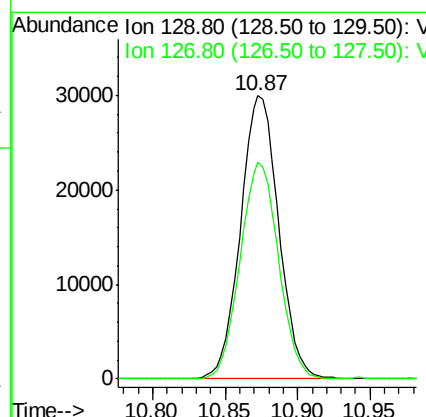
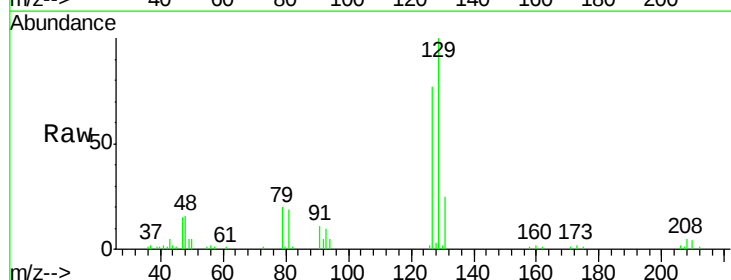
Manual Integrations
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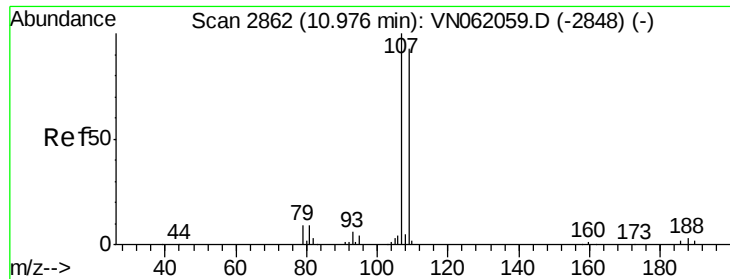
MMDadoda
7/2/2020 12:38:53 PM



#60
Dibromochloromethane
Concen: 17.025 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Tgt Ion	129	Resp	54742
Ion Ratio	100	Lower	Upper
129	100		
127	76.9	39.5	118.5





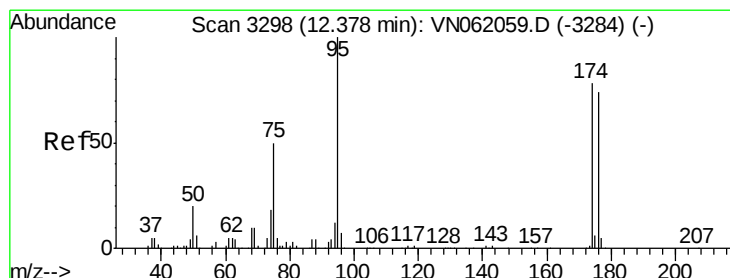
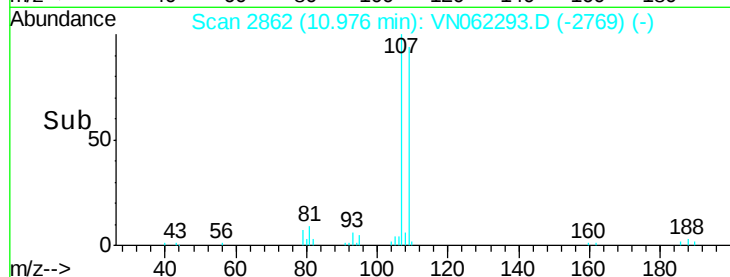
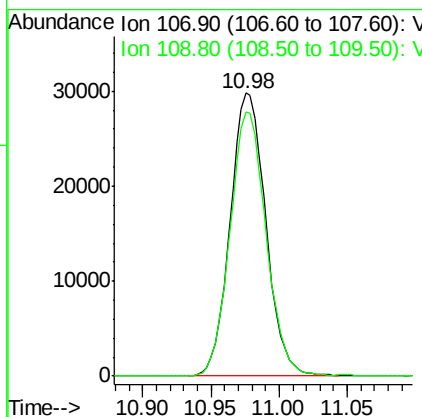
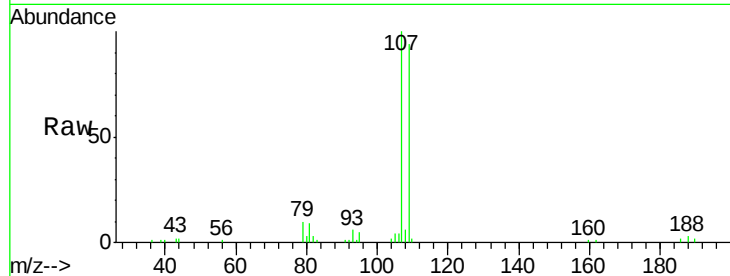
#61
 1,2-Dibromoethane
 Concen: 17.320 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701MBS01

Tot Ion: 107 Resp: 54051
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.0 112.6

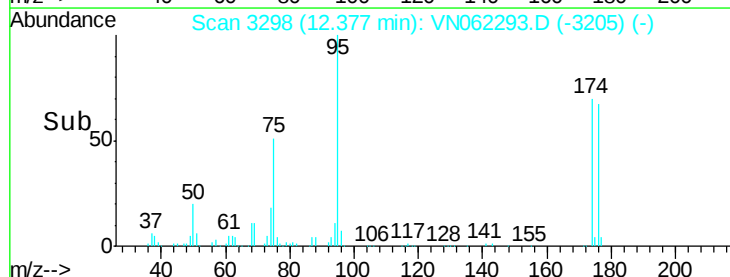
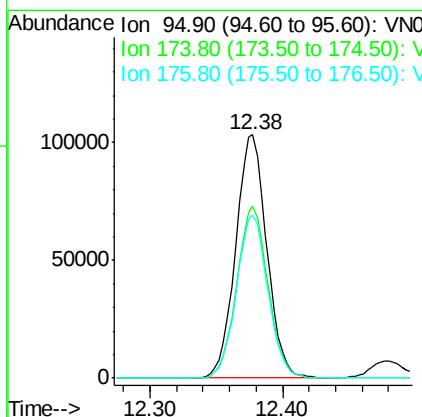
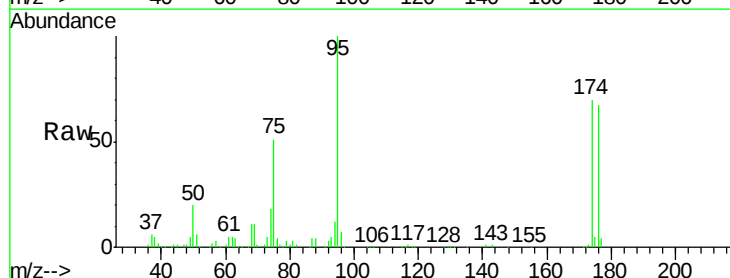
Manual Integrations
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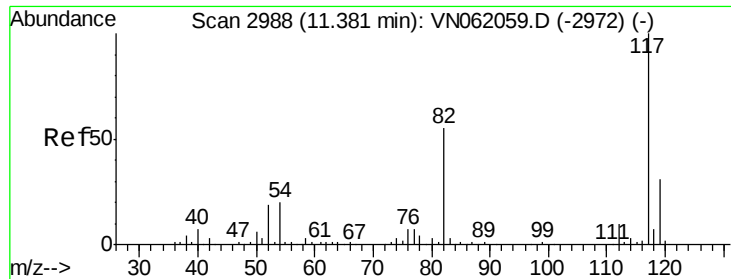
MMDadoda
 7/2/2020 12:38:53 PM



#62
 4-Bromofluorobenzene
 Concen: 47.018 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Tgt Ion: 95 Resp: 168380
 Ion Ratio Lower Upper
 95 100
 174 71.1 0.0 154.8
 176 67.5 0.0 147.4





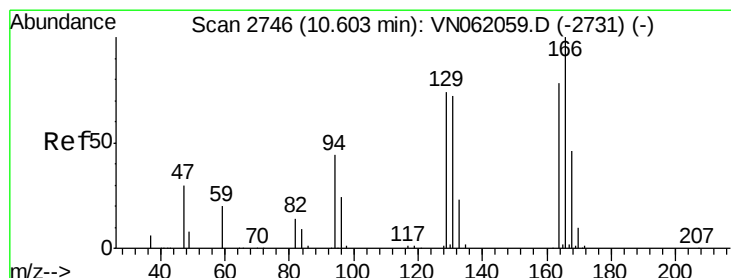
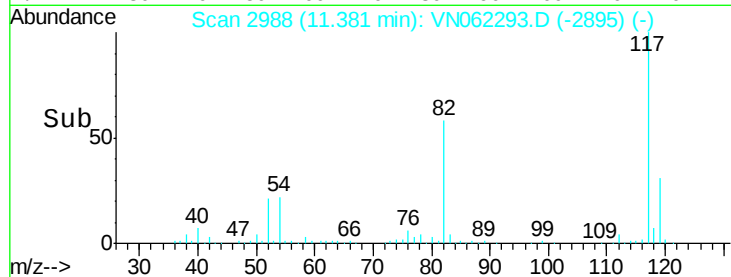
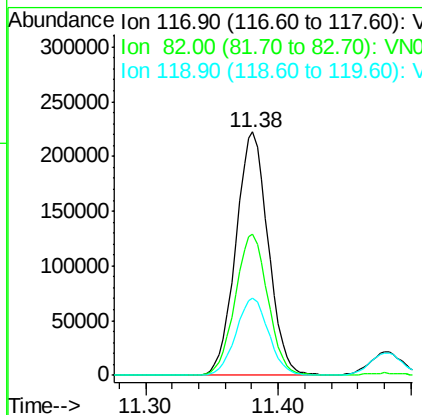
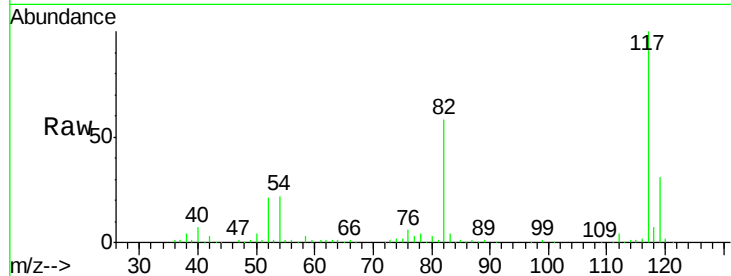
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :
VN0701MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	43.8	65.8
119	31.5	25.2	37.8

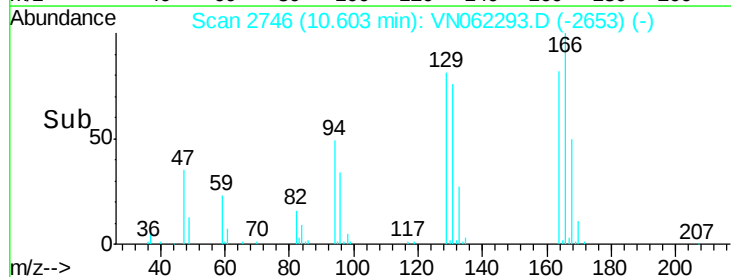
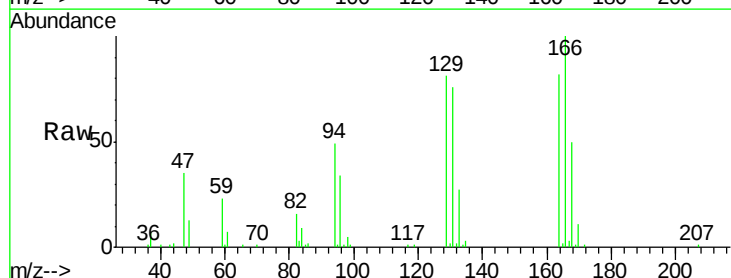
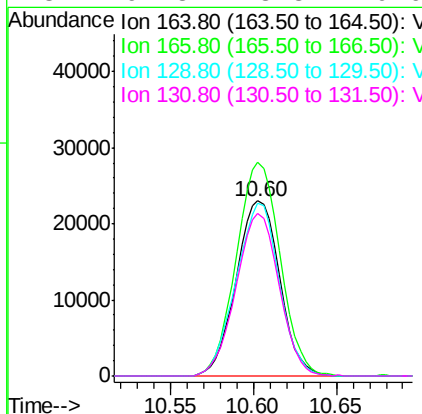
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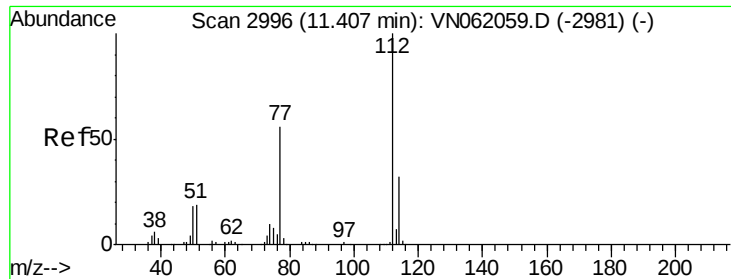
MMDadoda
7/2/2020 12:38:53 PM



#64
Tetrachloroethene
Concen: 16.345 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.8	102.9	154.3
129	98.5	75.8	113.8
131	92.8	73.8	110.6





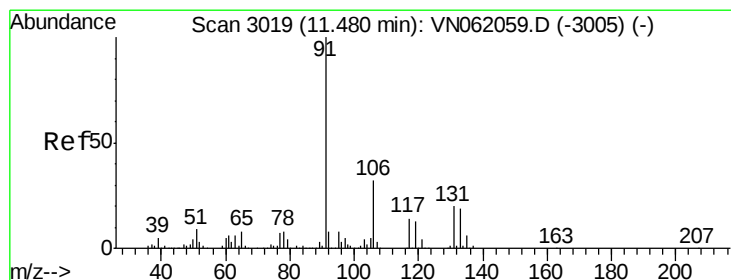
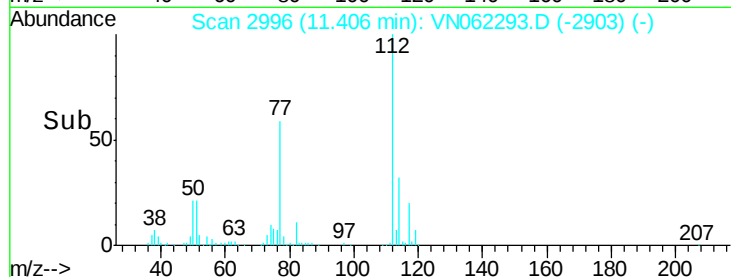
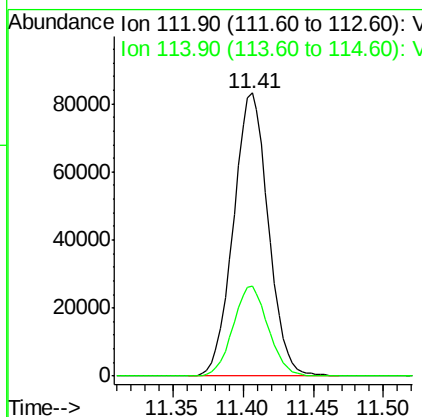
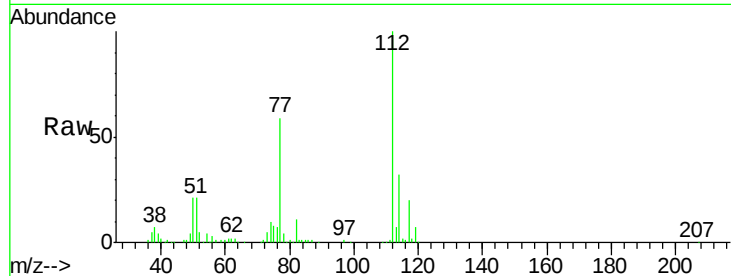
#65
Chlorobenzene
Concen: 17.416 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :
VN0701MBS01

Tot Ion:112 Resp: 144241
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8

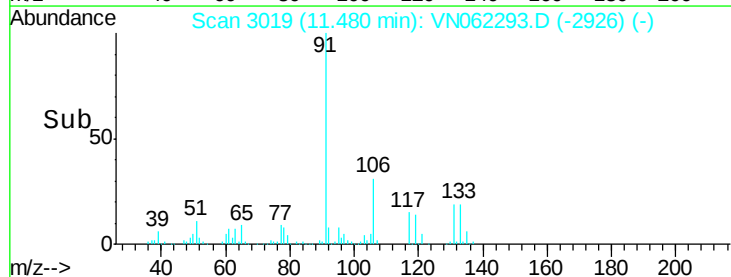
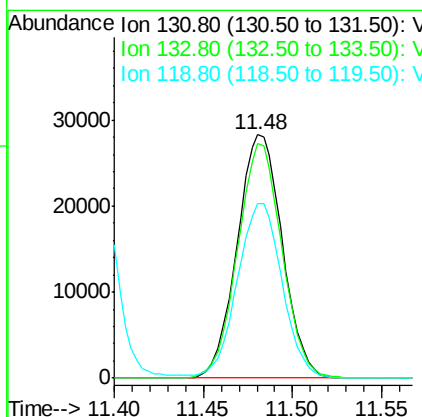
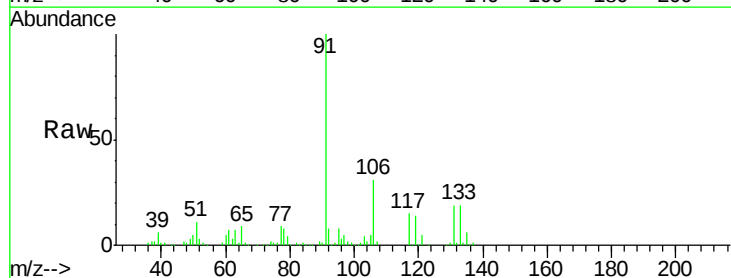
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.424 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Tgt Ion:131 Resp: 49900
Ion Ratio Lower Upper
131 100
133 94.7 47.6 142.9
119 71.4 34.4 103.3





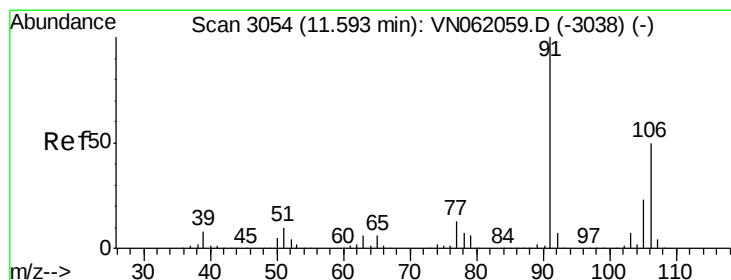
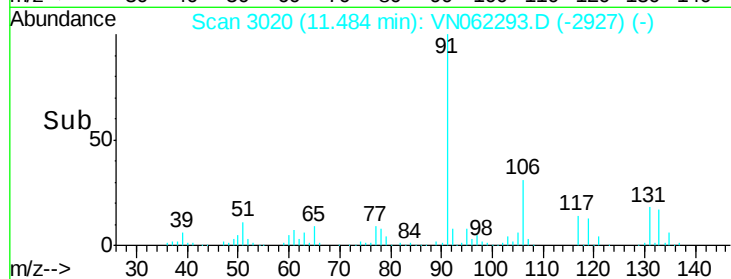
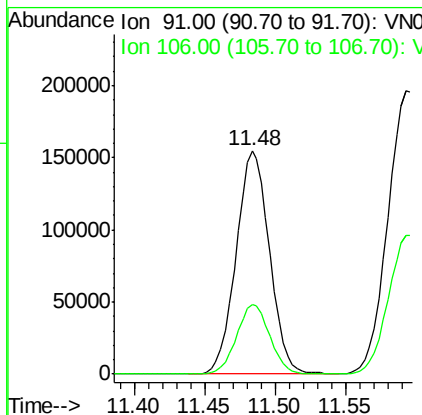
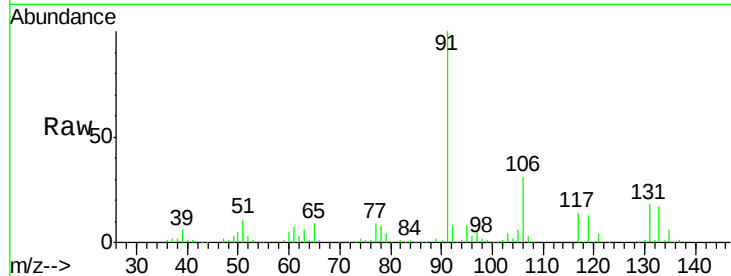
#67
Ethyl Benzene
Concen: 18.330 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Instrument :
MSVOA_N
ClientSampled :
VN0701MBS01

Tot Ion: 91 Resp: 256385
Ion Ratio Lower Upper
91 100
106 31.0 25.3 37.9

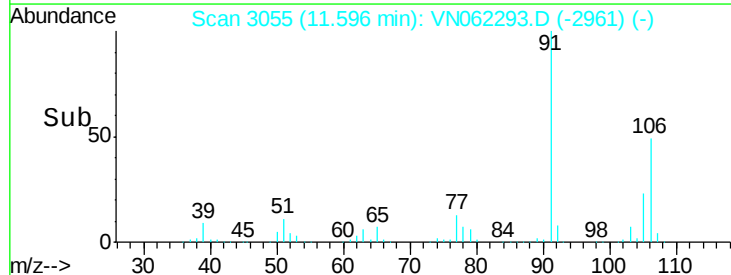
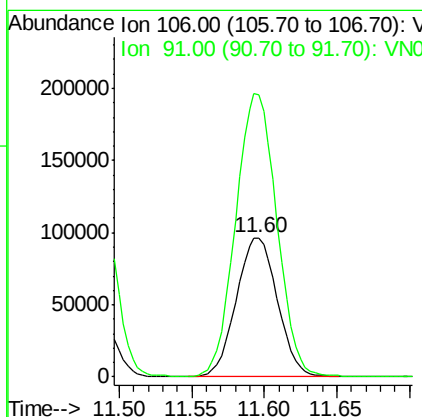
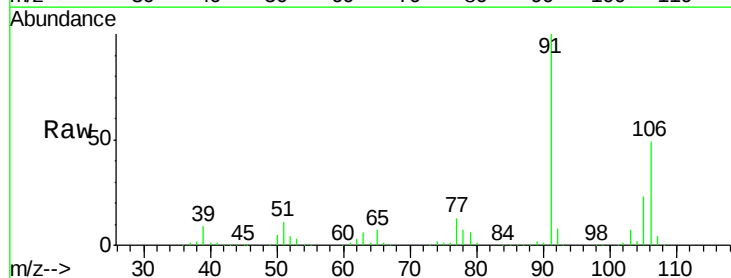
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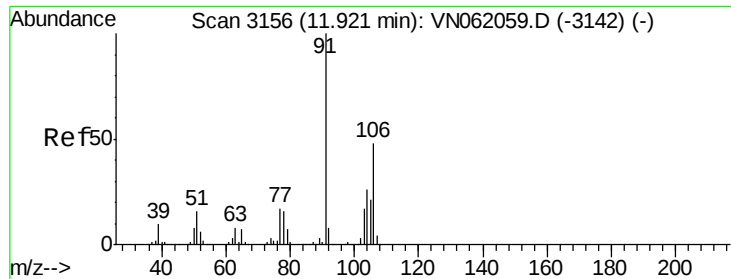
MMDadoda
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#68
m/p-Xylenes
Concen: 35.118 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Tgt Ion: 106 Resp: 189993
Ion Ratio Lower Upper
106 100
91 202.9 157.8 236.8





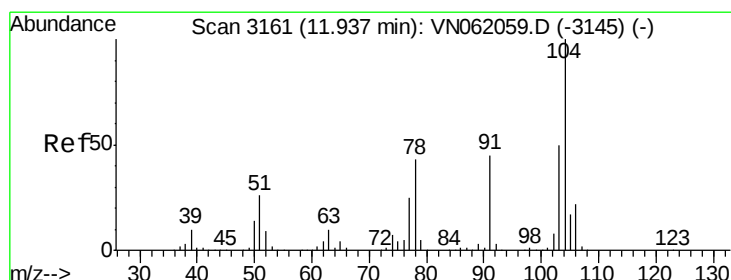
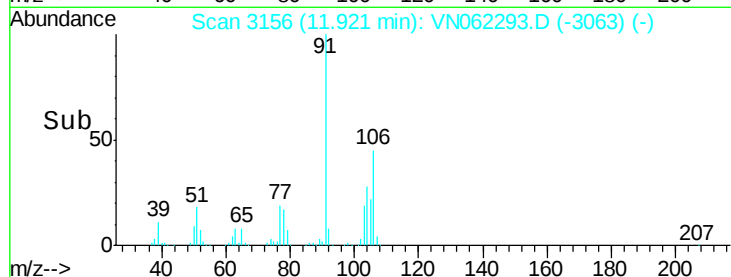
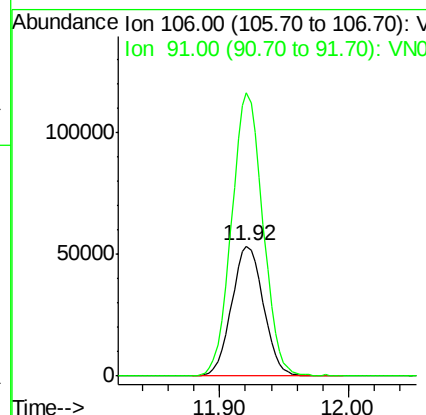
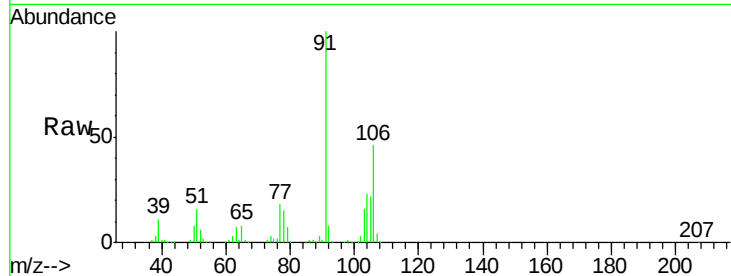
#69
o-Xylene
Concen: 17.927 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Instrument :
MSVOA_N
ClientSampled :
VN0701MBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.5	104.0	311.9	

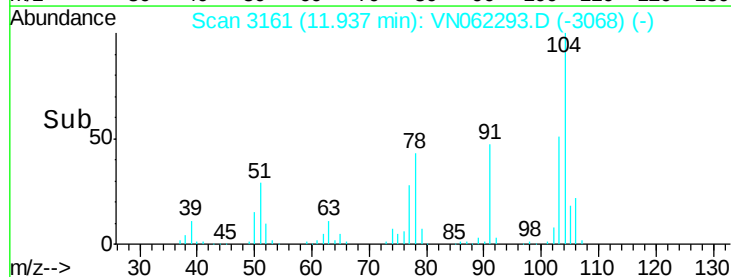
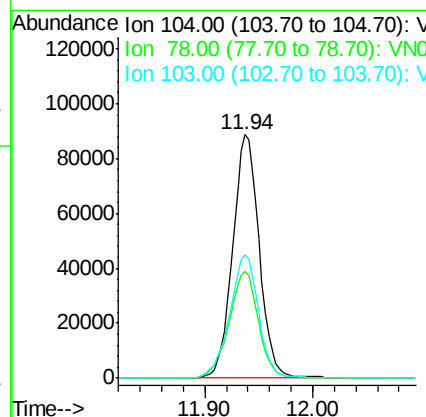
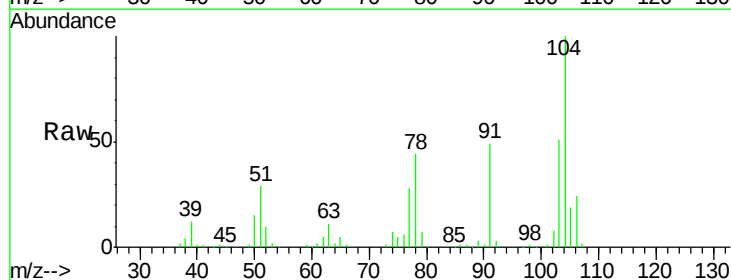
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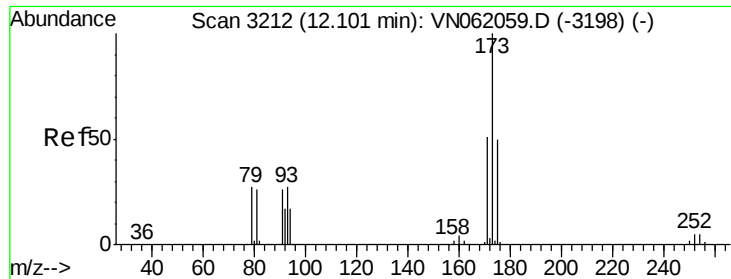
MMDadoda
7/2/2020 12:38:53 PM



#70
Styrene
Concen: 17.889 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.7	37.7	56.5	
103	54.8	43.0	64.6	





#71

Bromoform

Concen: 16.559 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

ClientSampled :

VN0701MBS01

Tot Ion:173 Resp: 33718

Ion Ratio Lower Upper

173 100

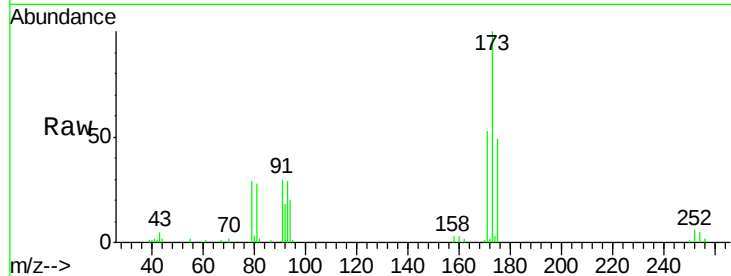
175 48.3 24.7 74.1

254 0.0 0.0 0.0

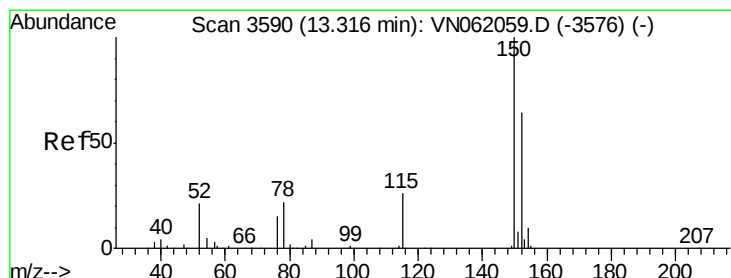
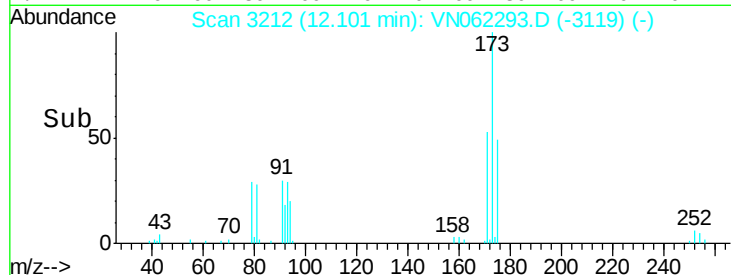
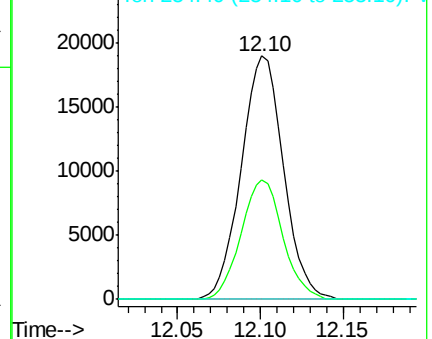
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

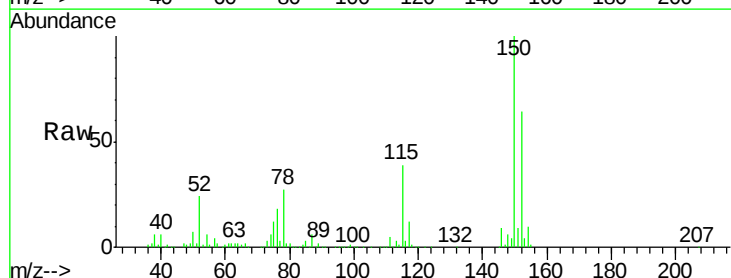
Tgt Ion:152 Resp: 162557

Ion Ratio Lower Upper

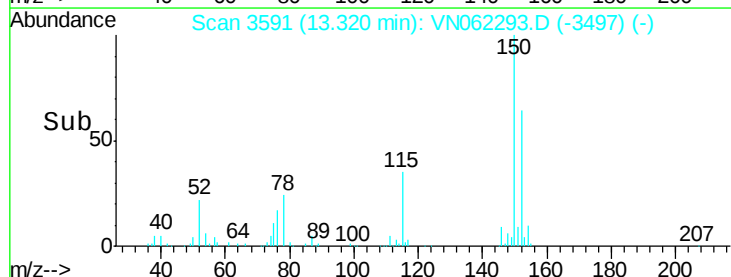
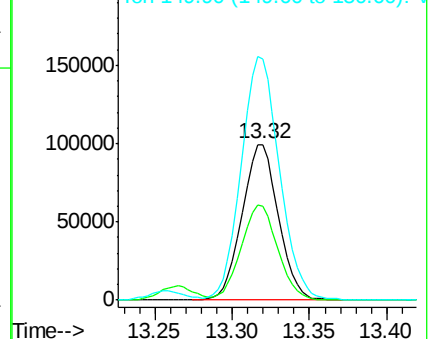
152 100

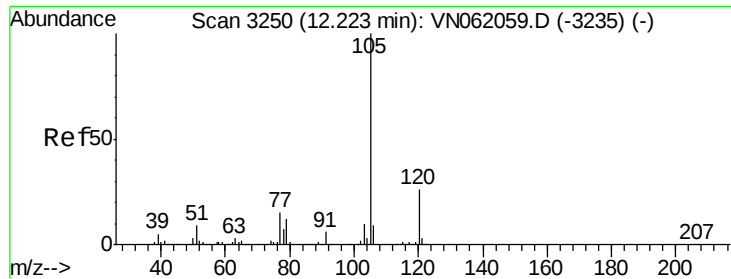
115 61.7 29.5 88.5

150 164.4 0.0 351.4



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: 19.311 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

ClientSampled :

VN0701MBS01

Tot Ion:105 Resp: 242989

Ion Ratio Lower Upper

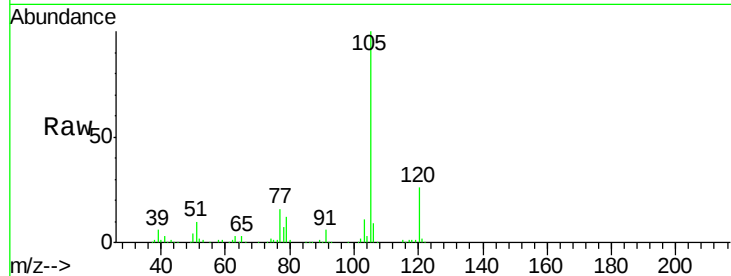
105 100

120 26.6 13.2 39.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

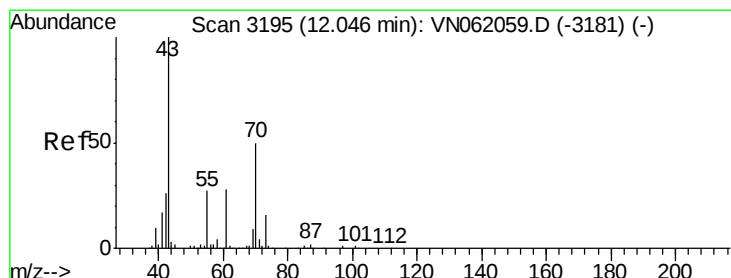
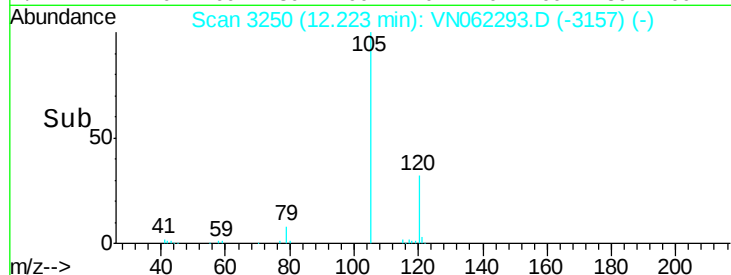
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.295 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Tgt Ion: 43 Resp: 89112

Ion Ratio Lower Upper

43 100

70 47.0 39.4 59.2

55 27.8 21.7 32.5

61 25.2 21.3 31.9

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.05

80000

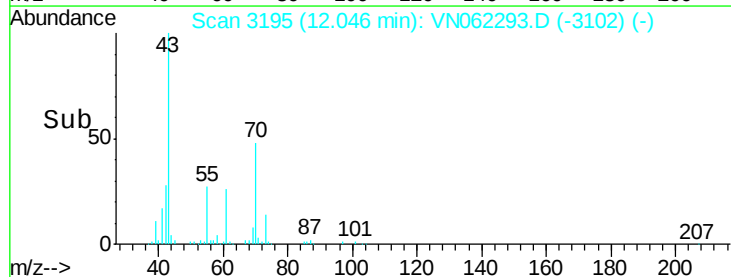
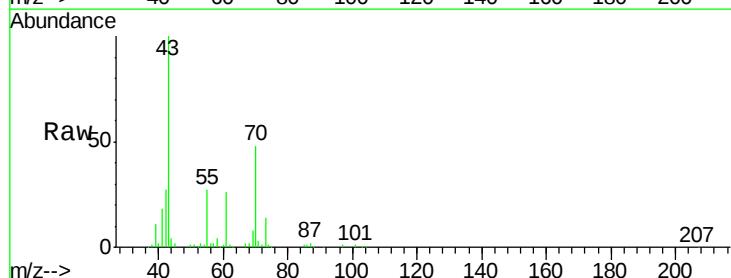
60000

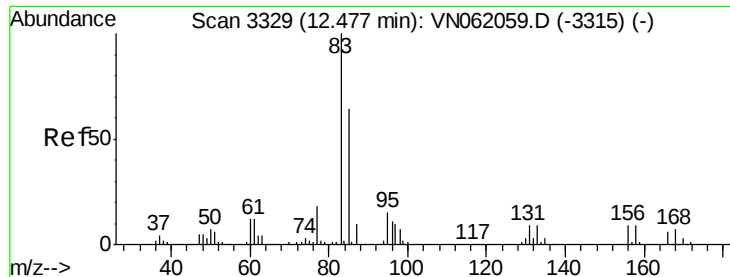
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.121 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

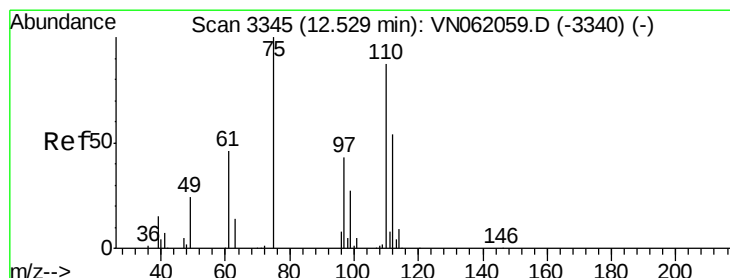
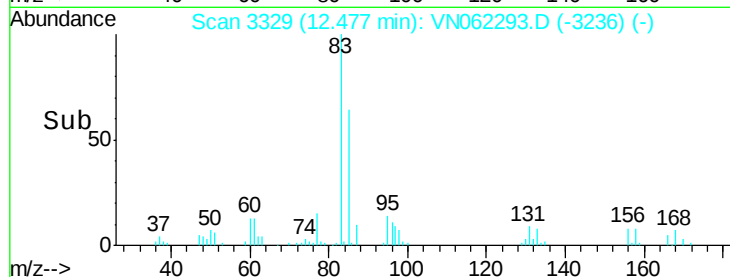
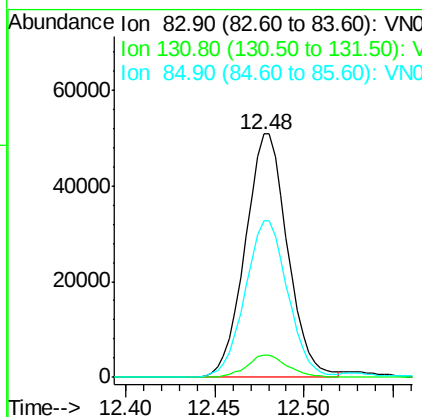
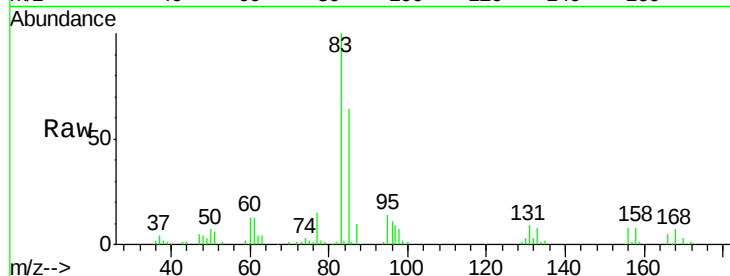
ClientSampled :

VN0701MBS01

Tot Ion:	83	Resp:	84256
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.8	14.4
85	64.9	32.4	97.0

Manual Integrations
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7/2/2020 12:38:53 PM



#76

1,2,3-Trichloropropane

Concen: 19.810 ug/l m

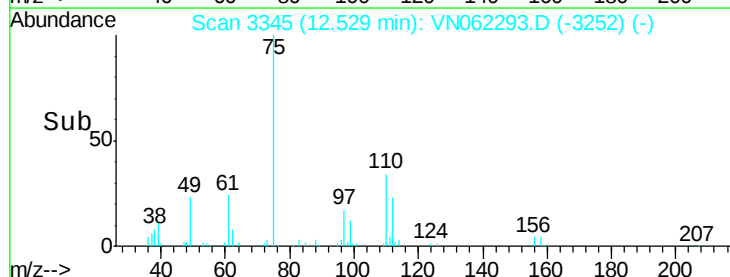
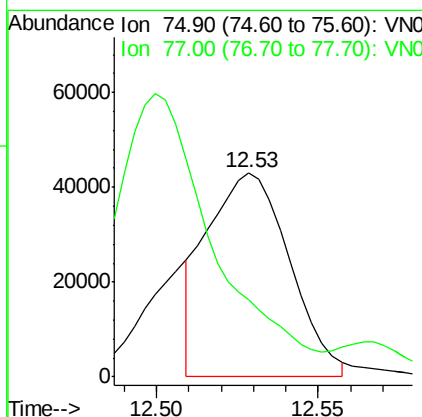
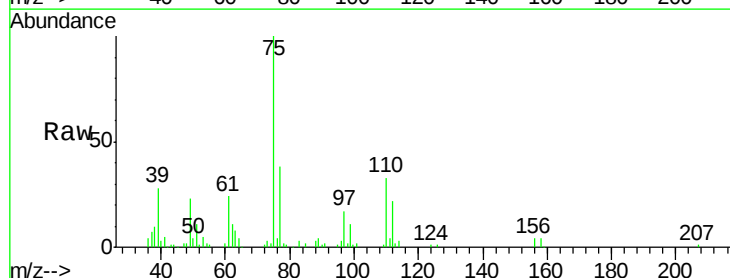
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Tgt Ion:	75	Resp:	75806
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.726 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

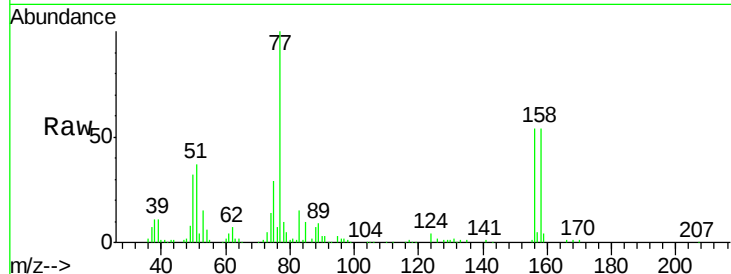
ClientSampled :

VN0701MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	231.5	104.6	313.8
158	98.4	48.0	144.0

Manual Integrations
APPROVED

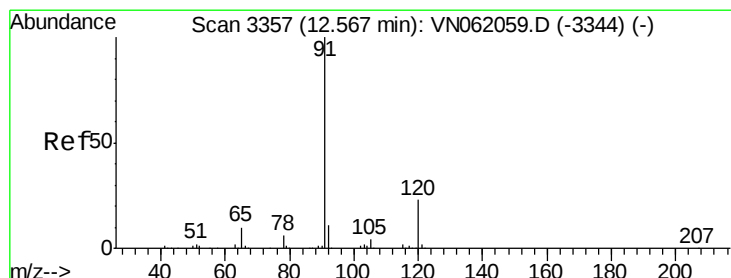
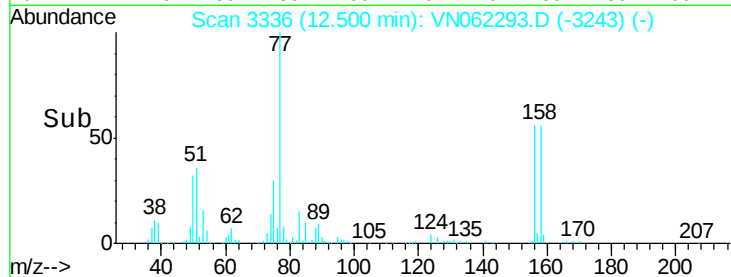
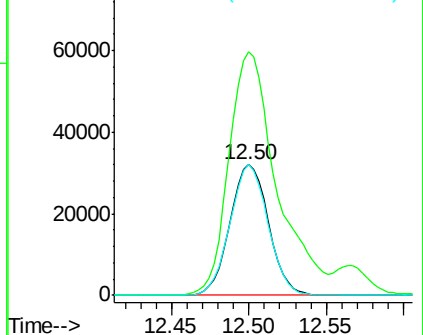
MMDadoda
7/2/2020 12:38:53 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.437 ug/l

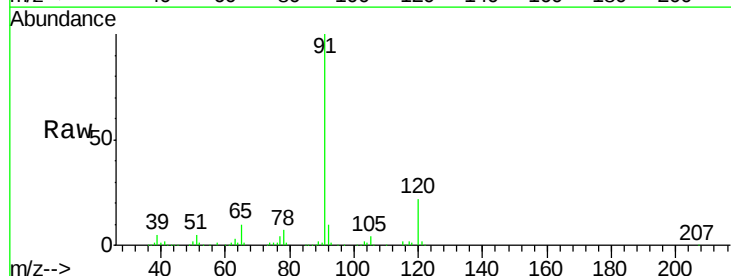
RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062293.D

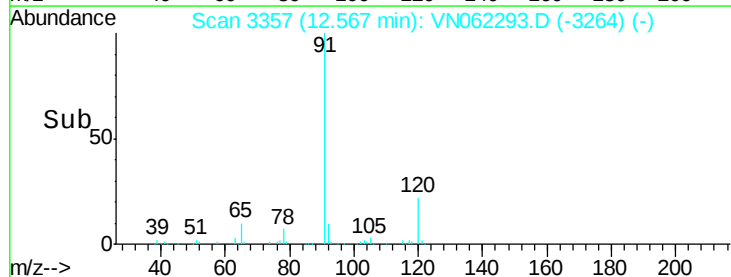
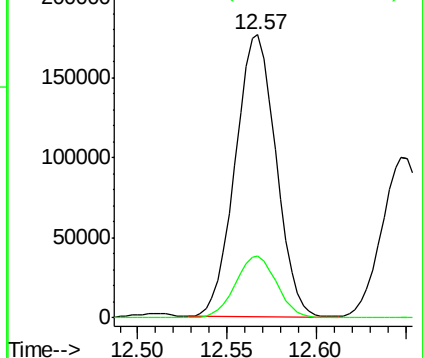
Acq: 1 Jul 2020 15:42

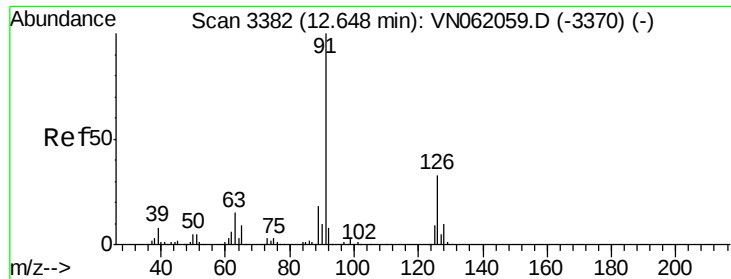
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.4	34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





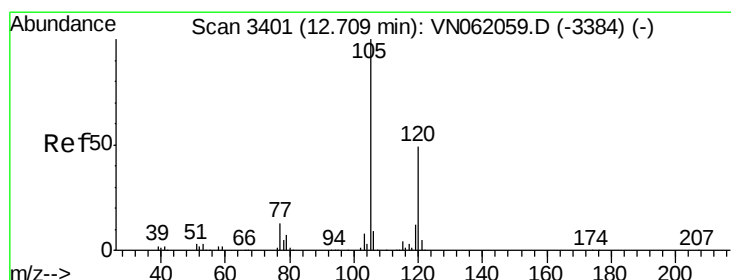
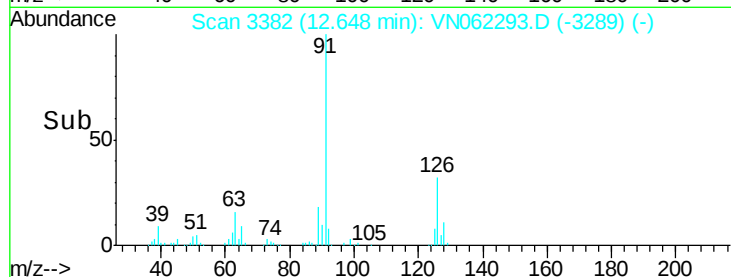
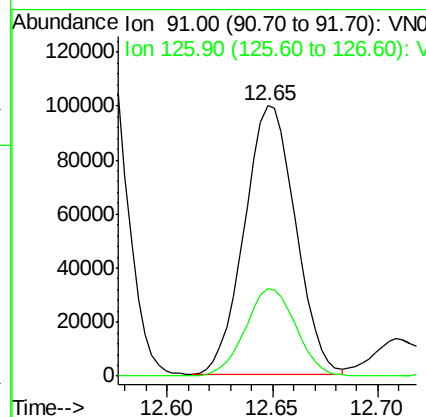
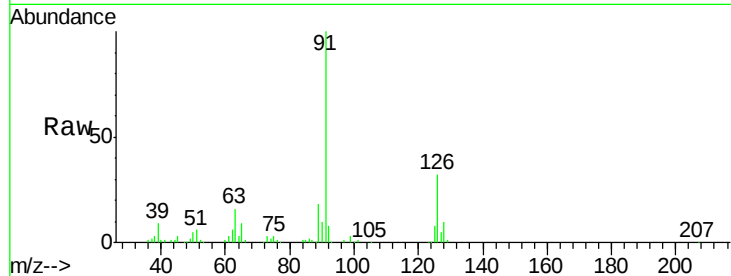
#79
 2-Chlorotoluene
 Concen: 19.319 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Instrument :
 MSVOA_N
 ClientSampled :
 VN0701MBS01

Tot Ion: 91 Resp: 168102
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.9 50.7

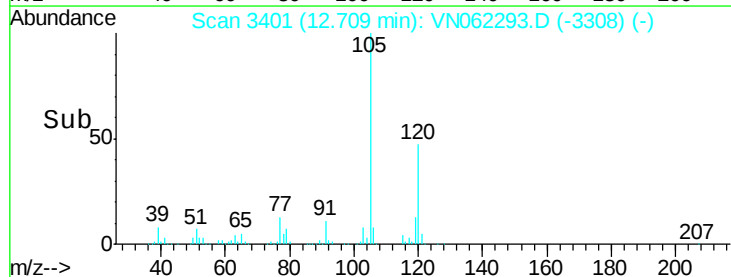
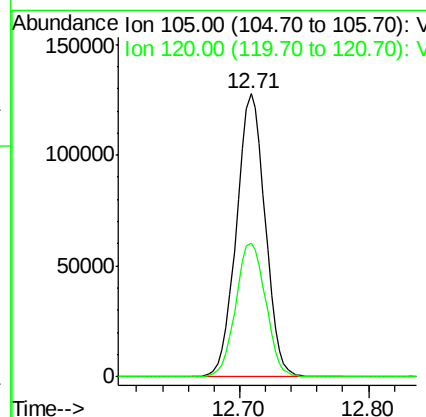
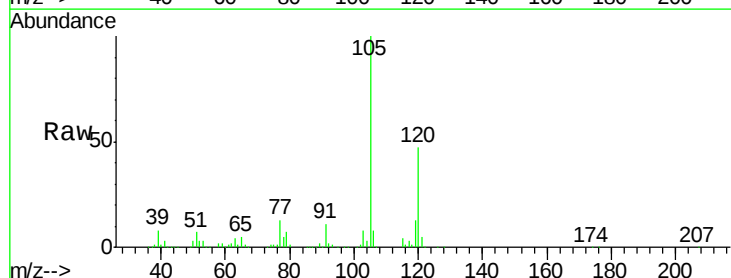
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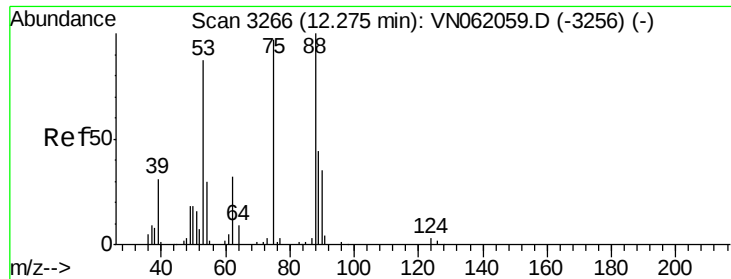
MMDadoda
 7/2/2020 12:38:53 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.234 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Tgt Ion: 105 Resp: 196195
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.688 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

VN0701MBS01

Tot Ion: 75 Resp: 25798

Ion Ratio Lower Upper

75 100

53 96.9 72.0 108.0

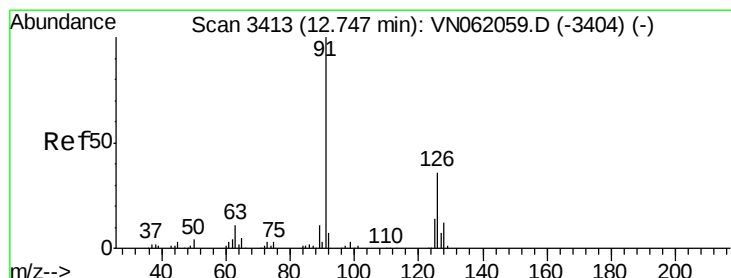
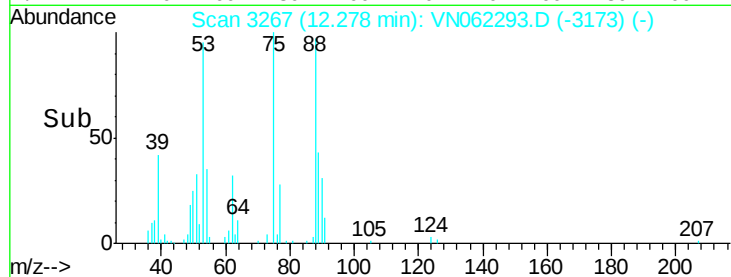
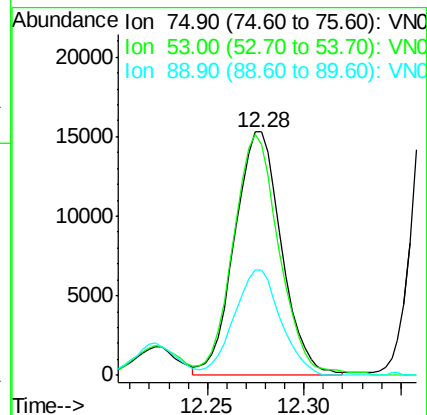
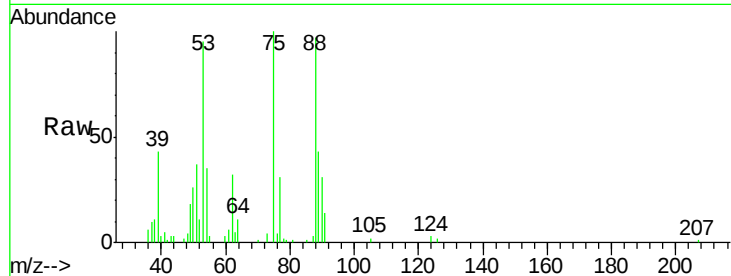
89 43.1 36.9 55.3

Manual Integrations

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#82

4-Chlorotoluene

Concen: 18.941 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062293.D

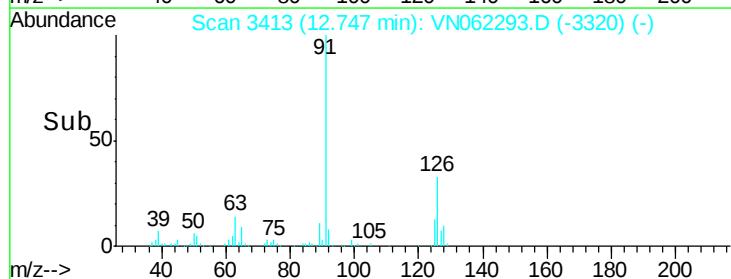
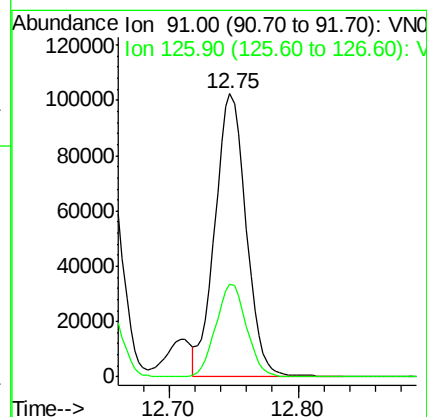
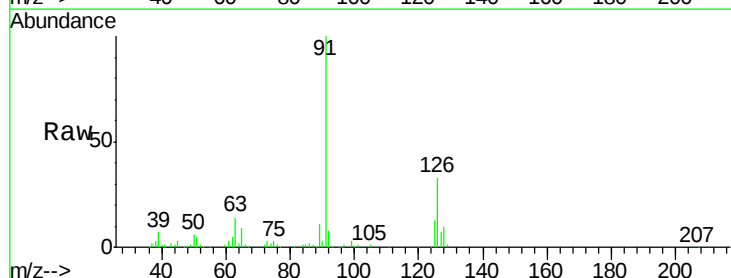
Acq: 1 Jul 2020 15:42

Tgt Ion: 91 Resp: 170432

Ion Ratio Lower Upper

91 100

126 32.7 16.7 50.1





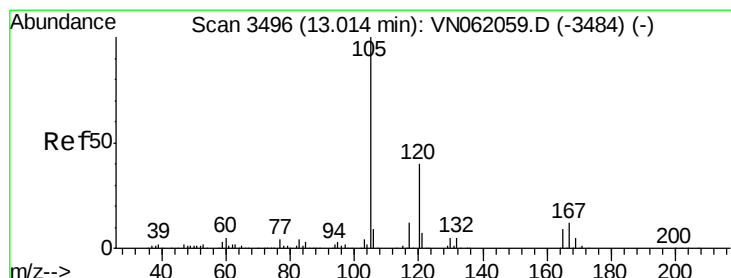
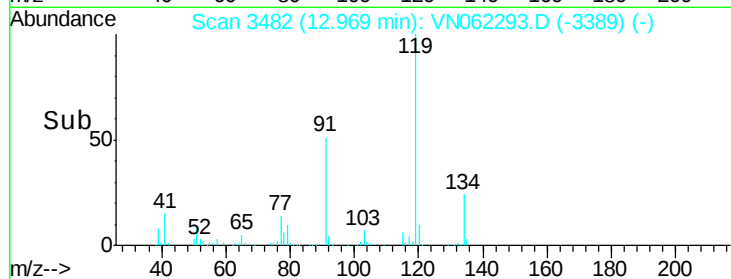
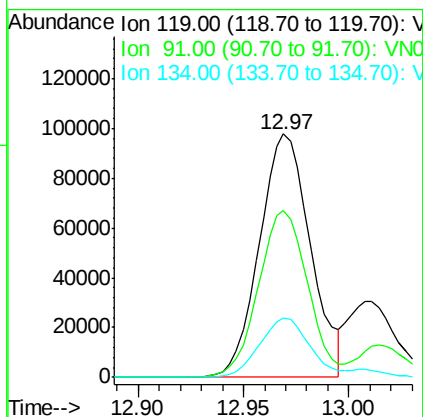
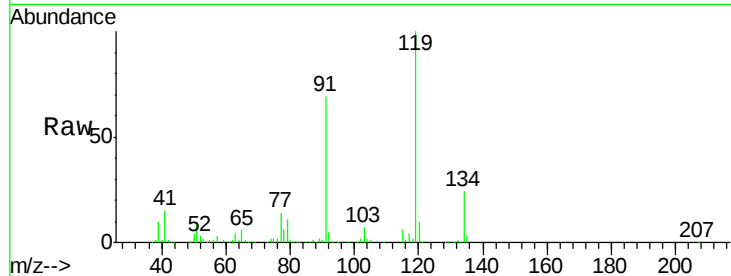
#83
tert-Butylbenzene
Concen: 18.842 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :
VN0701MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	164485		
91	66.4		31.7	95.1
134	24.0		13.1	39.1

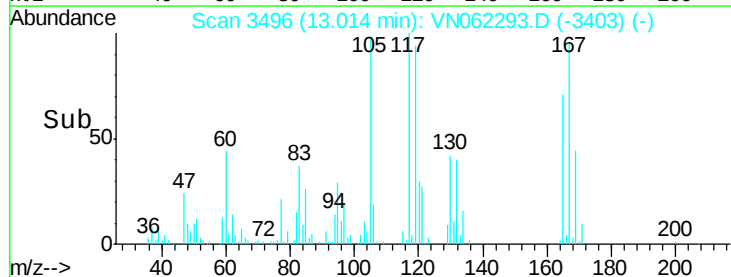
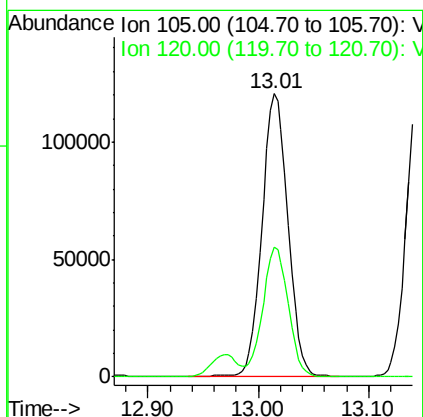
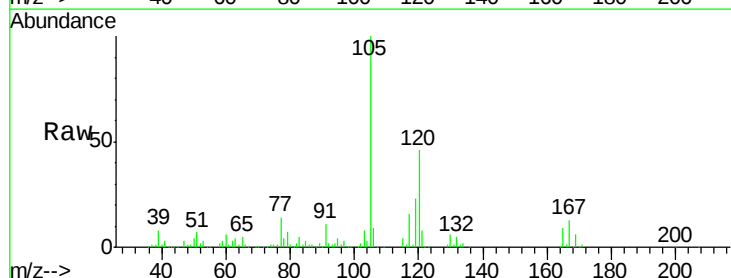
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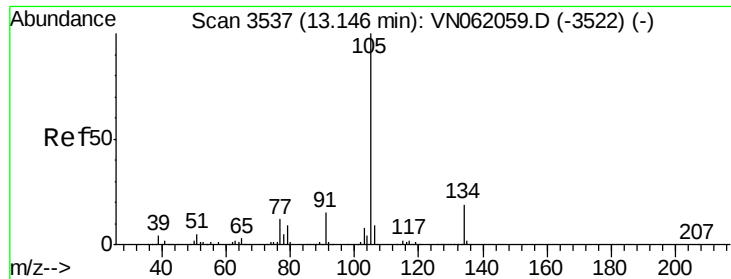
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.354 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	197178		
120	44.7		23.2	69.5





#85

sec-Butylbenzene

Concen: 19.227 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

VN0701MBS01

Tot Ion:105 Resp: 221794

Ion Ratio Lower Upper

105 100

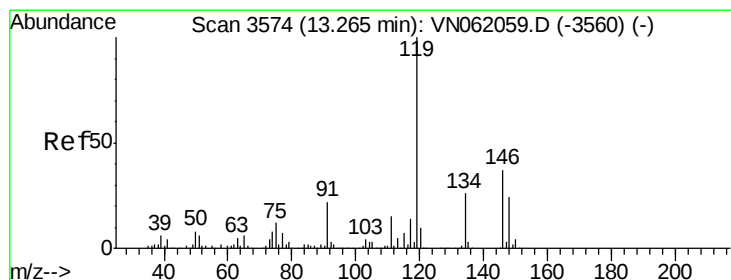
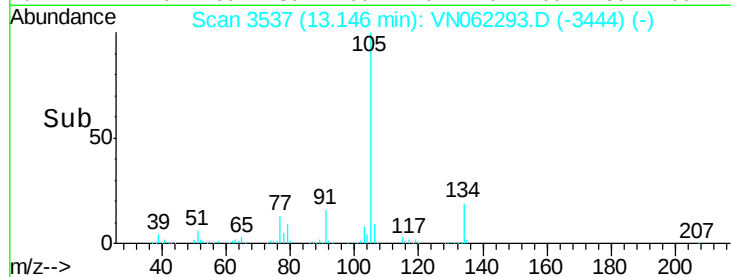
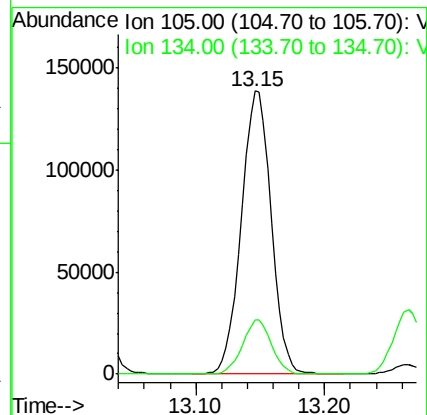
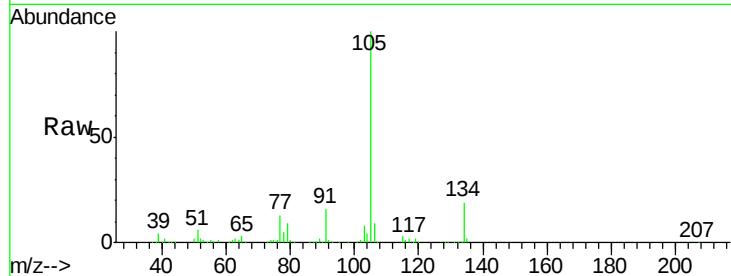
134 18.6 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.755 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

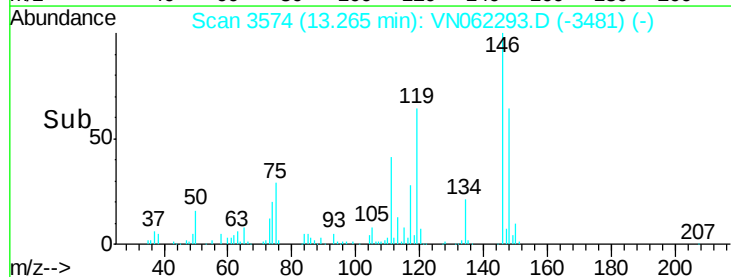
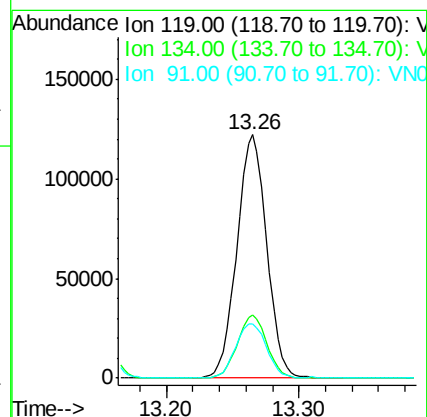
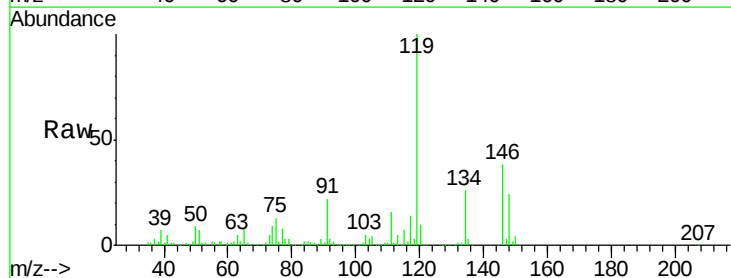
Tgt Ion:119 Resp: 189548

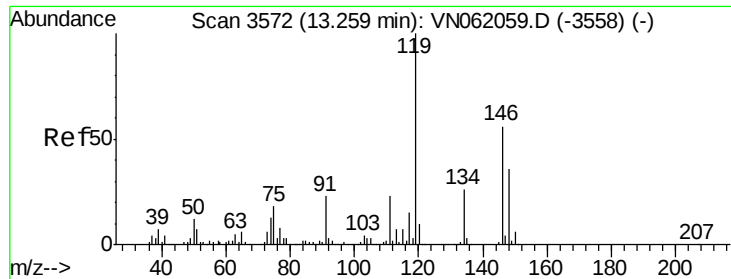
Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

91 22.9 11.3 33.8





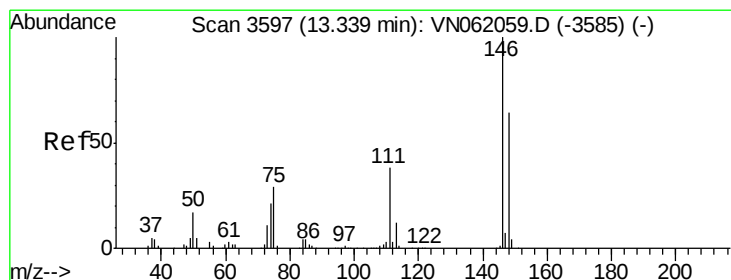
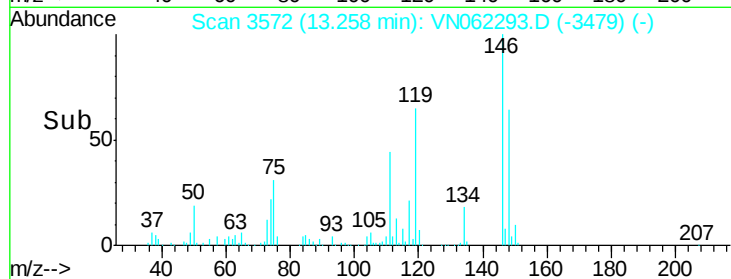
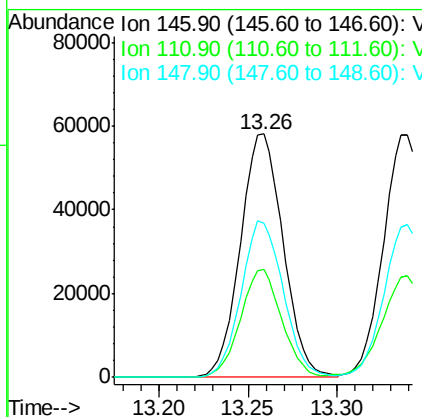
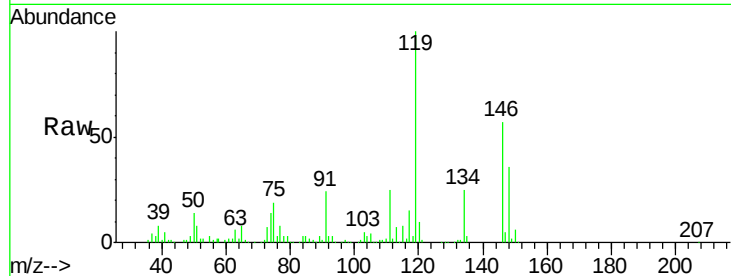
#87
 1,3-Dichlorobenzene
 Concen: 17.792 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.3	61.0
148	63.3	31.8	95.3

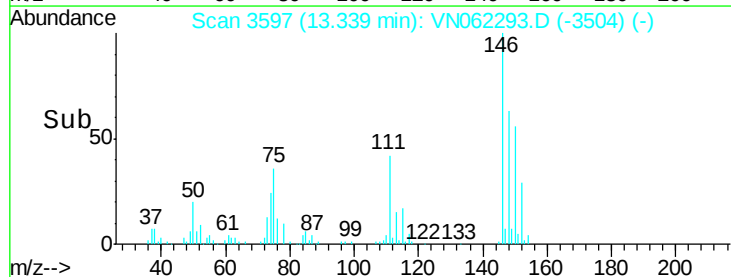
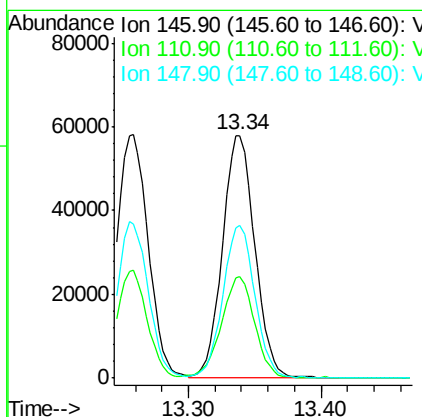
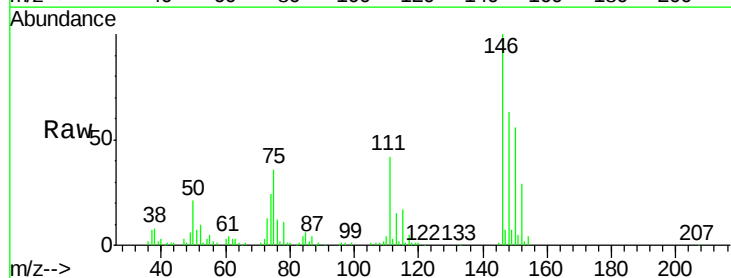
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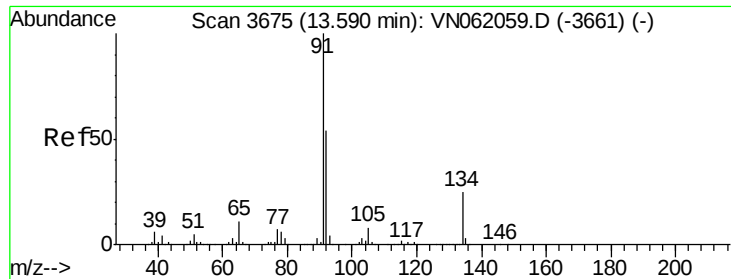
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#88
 1,4-Dichlorobenzene
 Concen: 17.396 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	19.9	59.6
148	62.5	31.9	95.9





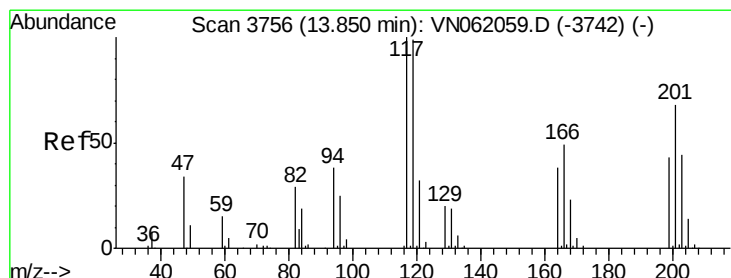
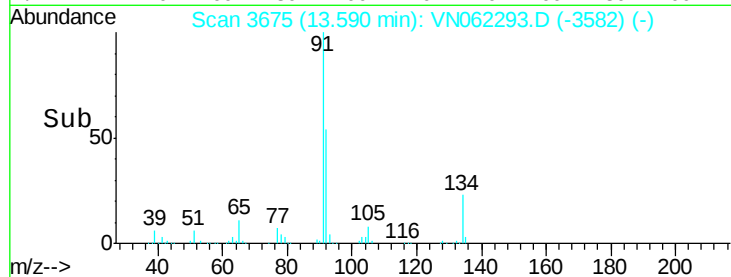
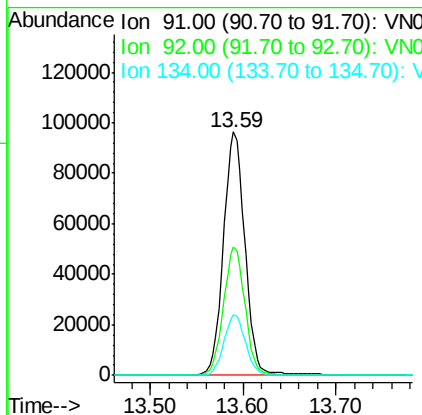
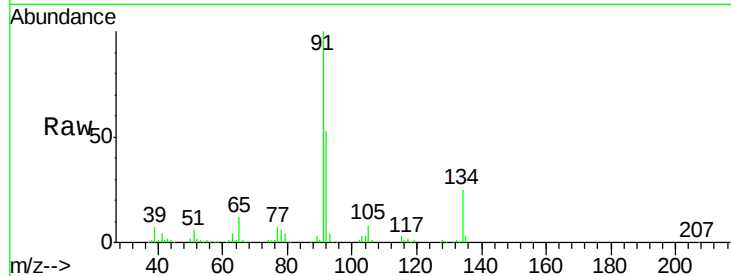
#89
n-Butylbenzene
Concen: 18.484 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :
VN0701MBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	52.5	26.6	79.7	
134	24.5	12.3	36.9	

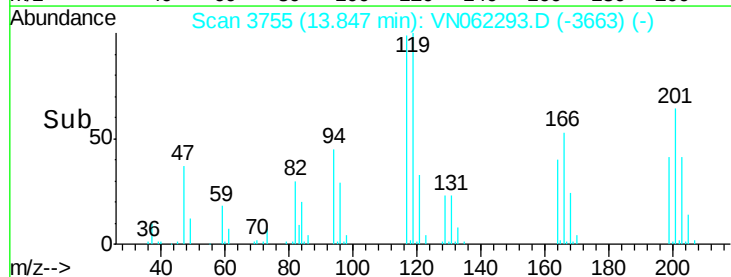
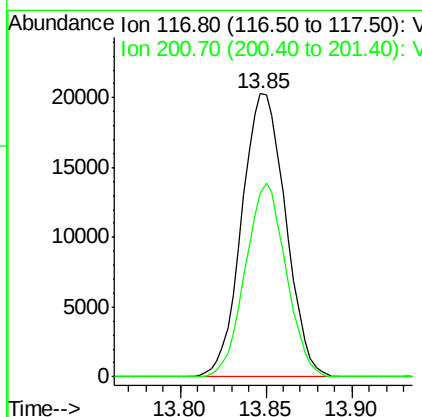
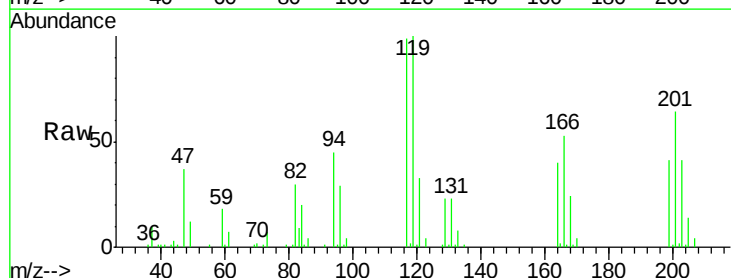
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#90
Hexachloroethane
Concen: 18.135 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062293.D
Acq: 1 Jul 2020 15:42

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	63.4	32.7	98.1	





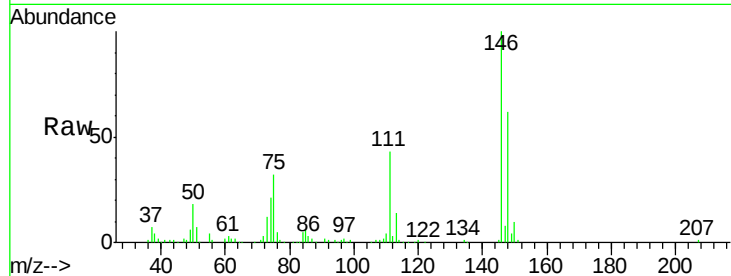
#91
 1,2-Dichlorobenzene
 Concen: 18.401 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.2	63.6
148	60.9	31.9	95.5

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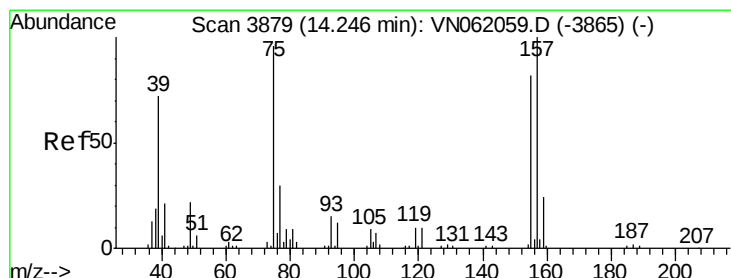
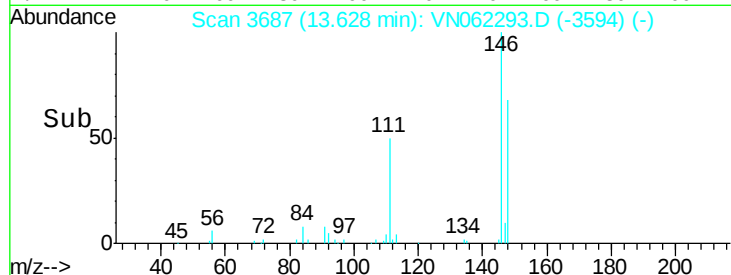
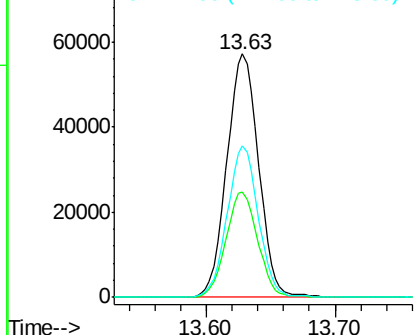


Abundance

Ion 145.90 (145.60 to 146.60): V

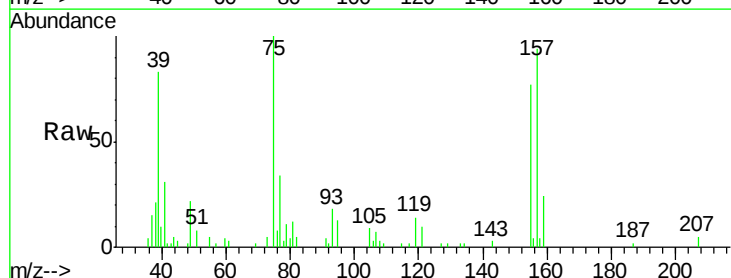
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.085 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.3	40.8	122.4
157	93.0	51.4	154.3

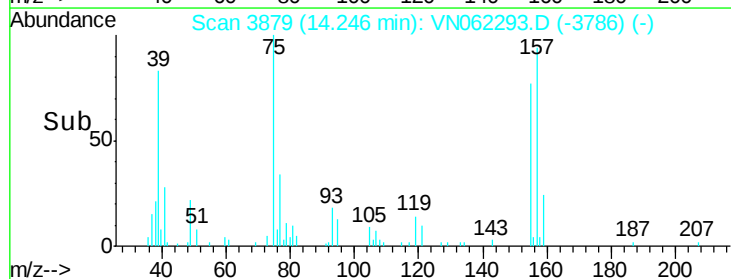
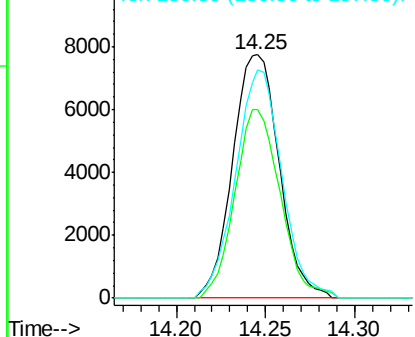


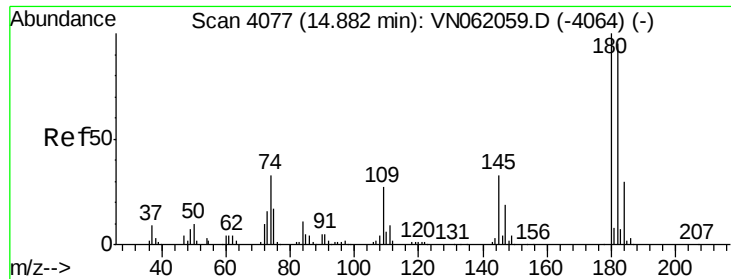
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





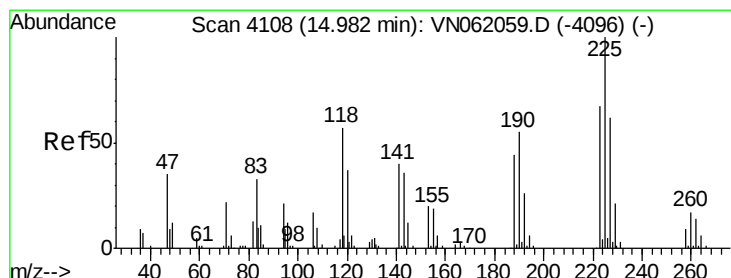
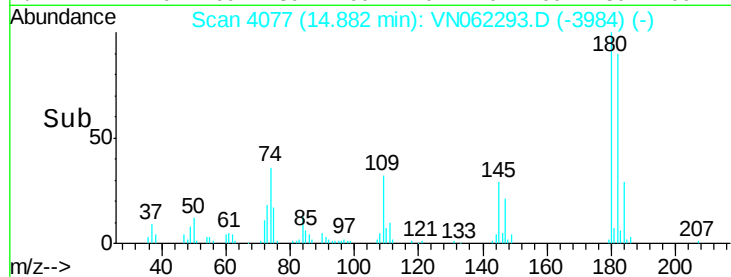
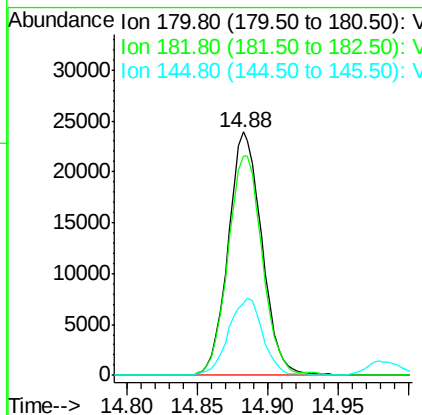
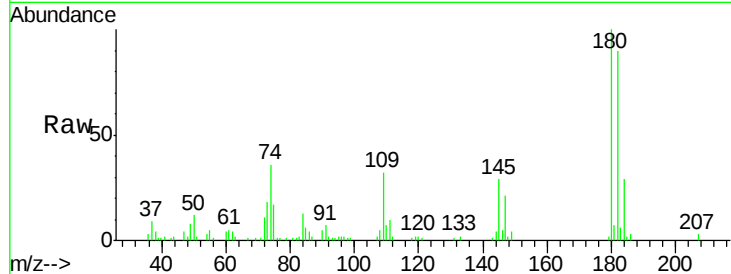
#93
 1,2,4-Trichlorobenzene
 Concen: 17.178 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	39920		
182	92.2	48.0	144.2	
145	31.9	16.0	48.0	

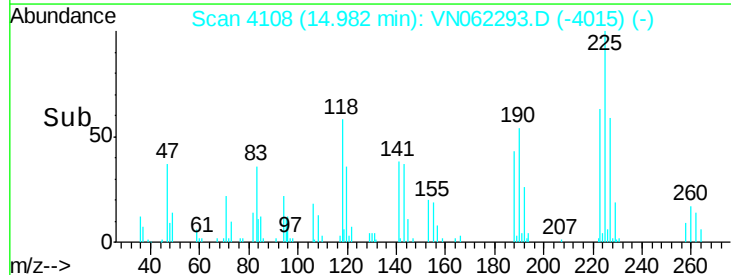
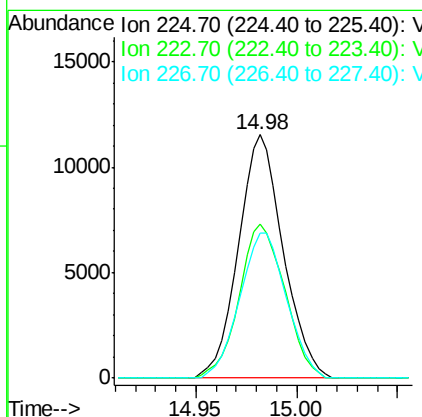
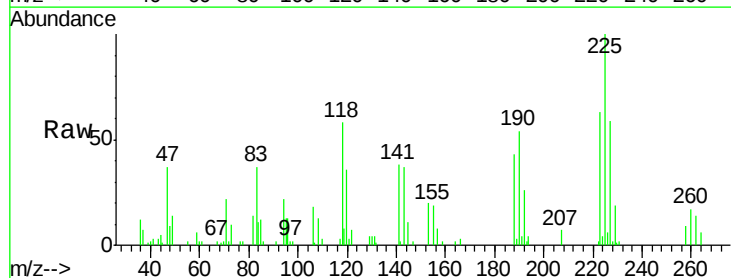
Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 12:38:53 PM



#94
 Hexachlorobutadiene
 Concen: 17.721 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062293.D
 Acq: 1 Jul 2020 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	17886		
223	64.4	32.9	98.7	
227	62.3	31.3	93.8	





#95

Naphthalene

Concen: 17.912 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Instrument :

MSVOA_N

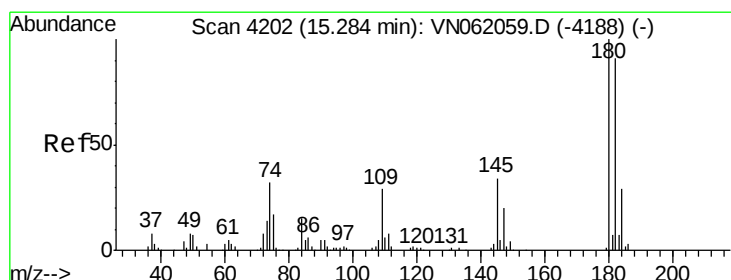
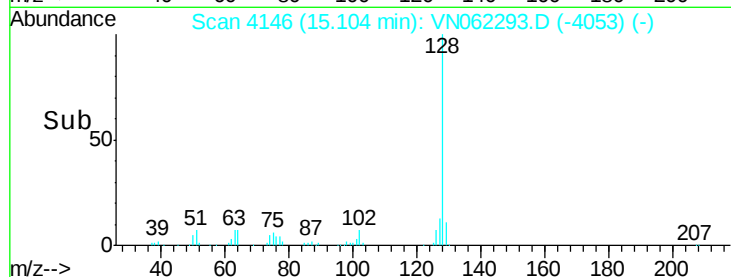
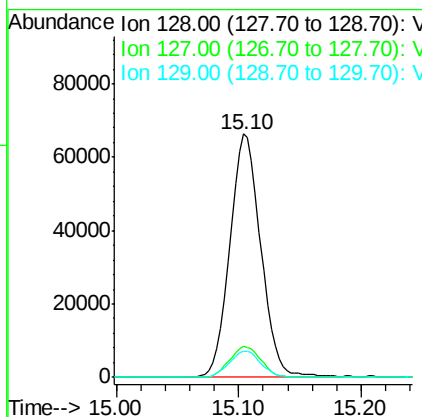
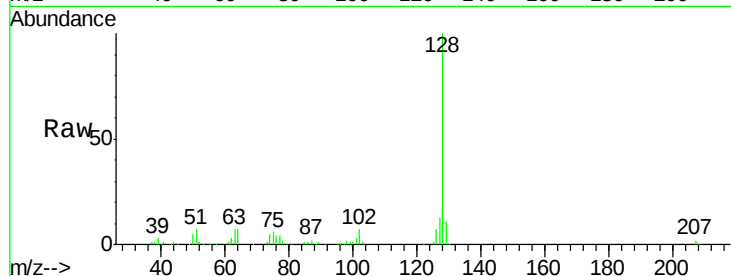
ClientSampled :

VN0701MBS01

Tot Ion:	128	Resp:	117195
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/2/2020 12:38:53 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.480 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062293.D

Acq: 1 Jul 2020 15:42

Tgt Ion:	180	Resp:	41536
Ion Ratio	Lower	Upper	
180	100		
182	90.9	46.8	140.4
145	34.4	16.4	49.2

