

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062421.D
 Acq On : 8 Jul 2020 21:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:58:40 AM

Quant Time: Jul 09 03:08:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	199766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	341121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	308451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	142708	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	155596	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	7.55	113	110002	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
50) Toluene-d8	10.06	98	441854	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.37	95	162164	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	105330	51.764	ug/l	97
3) Chloromethane	2.03	50	162194	49.677	ug/l	100
4) Vinyl Chloride	2.16	62	134839	50.408	ug/l	100
5) Bromomethane	2.52	94	71672	49.889	ug/l	97
6) Chloroethane	2.67	64	79993	51.345	ug/l	97
7) Trichlorofluoromethane	2.98	101	174556	51.381	ug/l	98
8) Diethyl Ether	3.37	74	78586	51.731	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	106622	52.943	ug/l	100
10) Methyl Iodide	3.91	142	139882	52.604	ug/l	99
11) Tert butyl alcohol	4.73	59	118421	232.334	ug/l	98
12) 1,1-Dichloroethene	3.69	96	105846	51.622	ug/l	98
13) Acrolein	3.56	56	82757	225.075	ug/l	99
14) Allyl chloride	4.27	41	244579	50.719	ug/l	99
15) Acrylonitrile	4.93	53	344401	257.636	ug/l	100
16) Acetone	3.77	43	285604	218.935	ug/l	99
17) Carbon Disulfide	4.01	76	319988	49.804	ug/l	98
18) Methyl Acetate	4.27	43	155550	47.781	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	400057	51.462	ug/l	100
20) Methylene Chloride	4.50	84	132846	47.629	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	115515	52.003	ug/l	100
22) Diisopropyl ether	5.90	45	502954	52.791	ug/l	99
23) Vinyl Acetate	5.84	43	2071083	262.420	ug/l	99
24) 1,1-Dichloroethane	5.80	63	254100	51.614	ug/l	100
25) 2-Butanone	6.78	43	462568	242.797	ug/l	99
26) 2,2-Dichloropropane	6.78	77	177968	47.147	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	135987	52.854	ug/l	99
28) Bromochloromethane	7.15	49	126394	47.255	ug/l	100
29) Tetrahydrofuran	7.17	42	321161	250.387	ug/l	100
30) Chloroform	7.33	83	232092	52.213	ug/l	99
31) Cyclohexane	7.61	56	228232	48.902	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	193002	52.198	ug/l	100
36) 1,1-Dichloropropene	7.75	75	178811	52.029	ug/l	99
37) Ethyl Acetate	6.88	43	198110	49.298	ug/l	99
38) Carbon Tetrachloride	7.73	117	162037	52.443	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	202706	55.247	ug/l	98
40) Benzene	8.00	78	536362	52.954	ug/l	99
41) Methacrylonitrile	7.12	41	87395	52.052	ug/l	97
42) 1,2-Dichloroethane	8.09	62	197754	53.320	ug/l	100
43) Isopropyl Acetate	8.12	43	334117	52.631	ug/l	99
44) Trichloroethene	8.80	130	118644	52.794	ug/l	99
45) 1,2-Dichloropropane	9.08	63	155617	52.924	ug/l	100
46) Dibromomethane	9.18	93	87465	52.711	ug/l	98
47) Bromodichloromethane	9.37	83	187581	52.876	ug/l	100
48) Methyl methacrylate	9.17	41	160847	51.652	ug/l	100
49) 1,4-Dioxane	9.17	88	47234	1042.109	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	989101	260.858	ug/l	100
52) Toluene	10.12	92	316658	54.124	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	213524	53.724	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	232464	53.011	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	122674	53.312	ug/l	97
56) Ethyl methacrylate	10.40	69	210565	49.733	ug/l	99
57) 1,3-Dichloropropane	10.68	76	228977	53.862	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	350039	256.415	ug/l	99
59) 2-Hexanone	10.72	43	710283	258.033	ug/l	99
60) Dibromochloromethane	10.87	129	133565	53.534	ug/l	100
61) 1,2-Dibromoethane	10.98	107	124251	53.491	ug/l	98
64) Tetrachloroethene	10.60	164	99059	54.120	ug/l	98
65) Chlorobenzene	11.41	112	323890	54.028	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	120187	54.366	ug/l	99
67) Ethyl Benzene	11.48	91	615790	54.723	ug/l	99
68) m/p-Xylenes	11.60	106	446901	112.186	ug/l	99
69) o-Xylene	11.92	106	212402	54.763	ug/l	99
70) Styrene	11.94	104	371126	57.897	ug/l	99
71) Bromoform	12.10	173	90039	55.559	ug/l #	99
73) Isopropylbenzene	12.22	105	580049	52.526	ug/l	100
74) N-amyl acetate	12.04	43	292452	54.410	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	188070	50.651	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	178426m	50.956	ug/l	
77) Bromobenzene	12.50	156	132233	52.671	ug/l	97
78) n-propylbenzene	12.57	91	698587	54.156	ug/l	99
79) 2-Chlorotoluene	12.65	91	409535	52.310	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	492848	54.441	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	64448	49.264	ug/l	99
82) 4-Chlorotoluene	12.75	91	426100	53.610	ug/l	99
83) tert-Butylbenzene	12.97	119	399856	52.048	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	485703	53.977	ug/l	99
85) sec-Butylbenzene	13.15	105	553815	54.401	ug/l	99
86) p-Isopropyltoluene	13.26	119	483759	55.058	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	236452	54.595	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	234413	52.601	ug/l	99
89) n-Butylbenzene	13.59	91	422958	54.518	ug/l	100
90) Hexachloroethane	13.85	117	90610	52.425	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	224729	53.666	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	34946	51.573	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	113308	56.121	ug/l	98
94) Hexachlorobutadiene	14.98	225	59848	53.828	ug/l	99
95) Naphthalene	15.10	128	287593	52.471	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	112340	49.834	ug/l	99

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

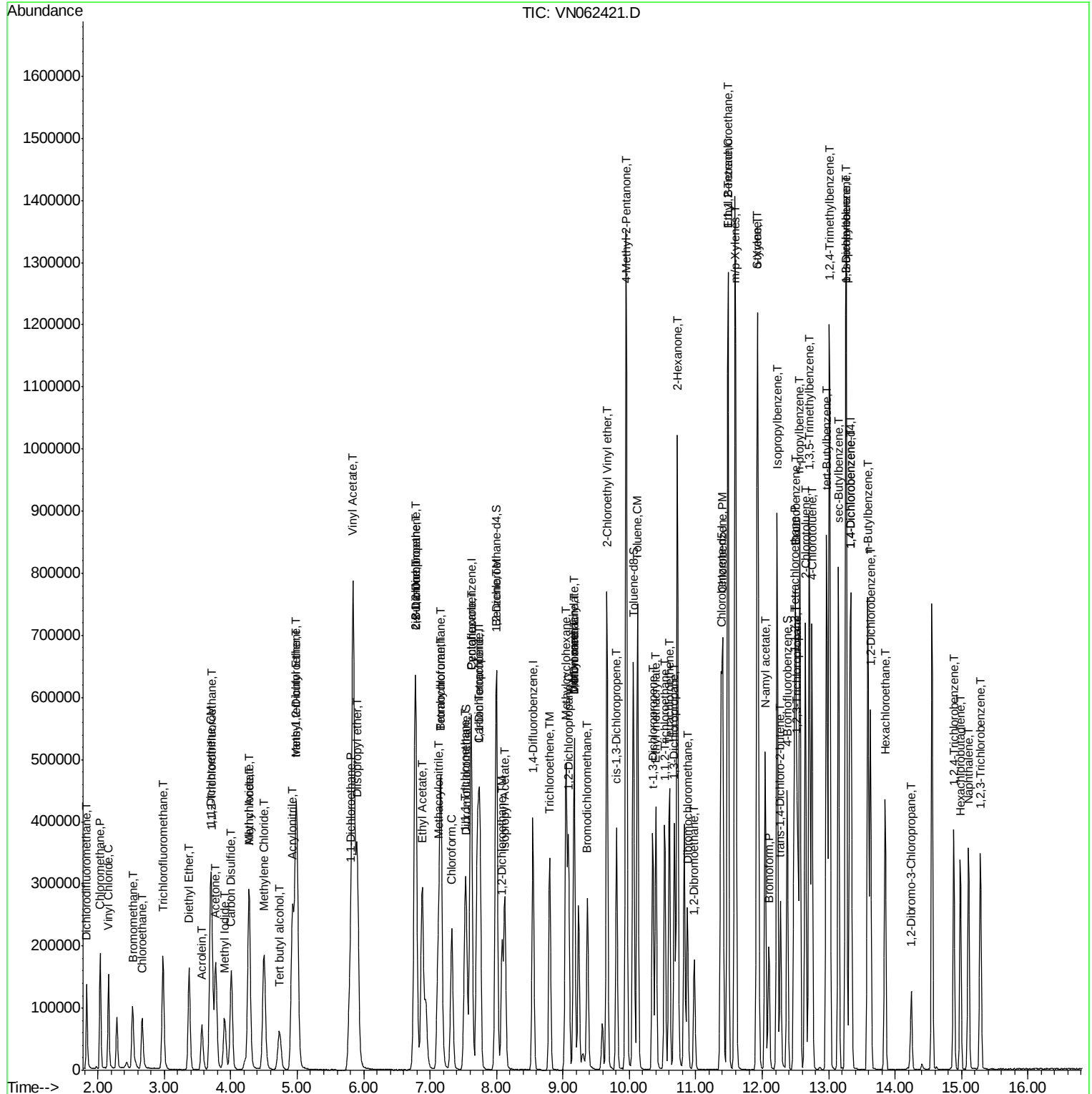
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070820\
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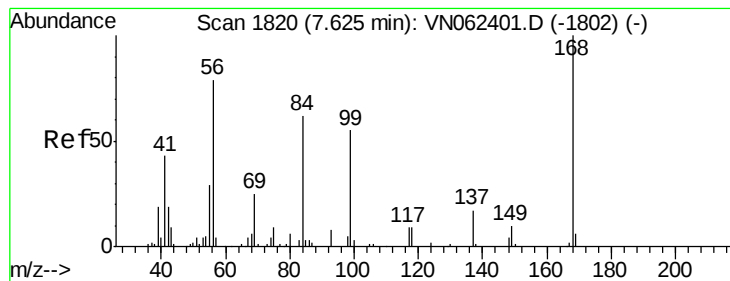
Instrument :
MSVOA_N
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 199766

Ion Ratio Lower Upper

168 100

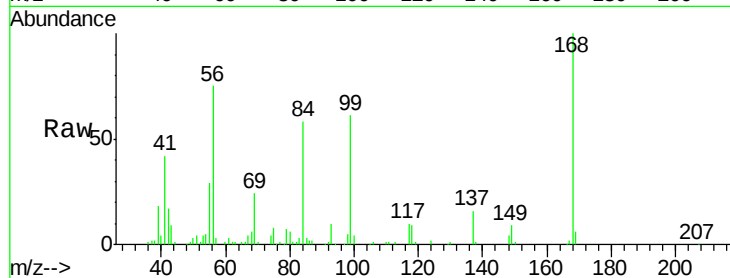
99 61.0 48.8 73.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

60000

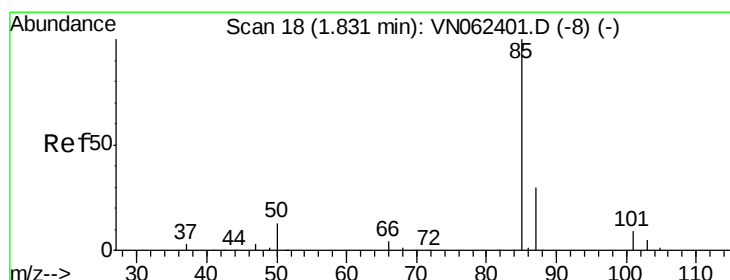
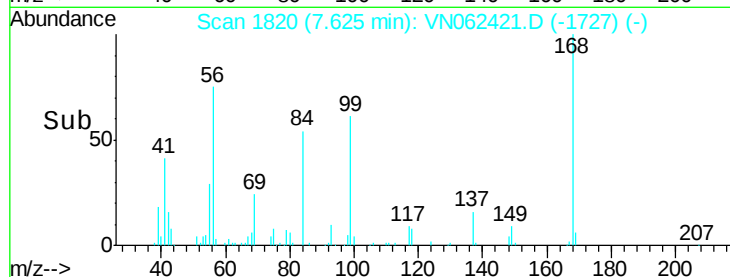
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 51.764 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062421.D

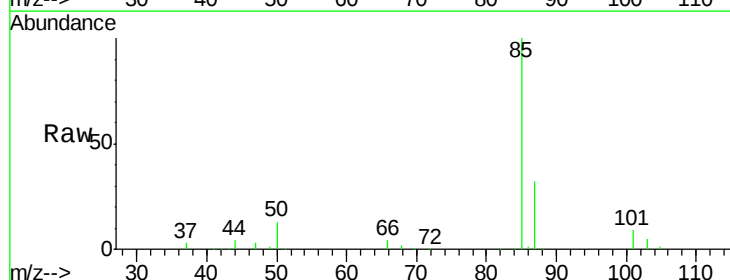
Acq: 8 Jul 2020 21:33

Tgt Ion: 85 Resp: 105330

Ion Ratio Lower Upper

85 100

87 31.9 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

80000

60000

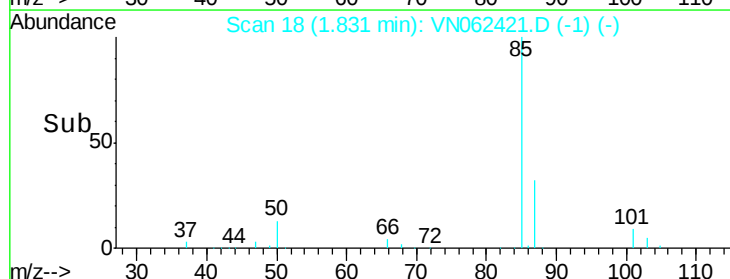
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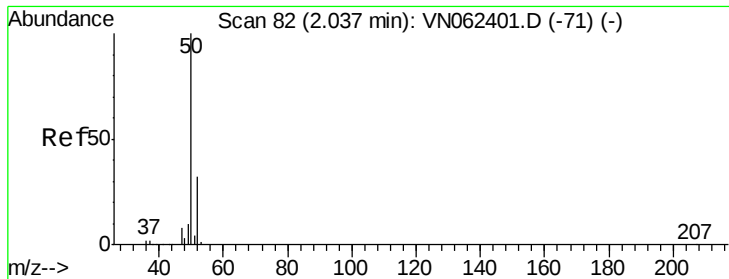
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0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 49.677 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 162194

Ion Ratio Lower Upper

50 100

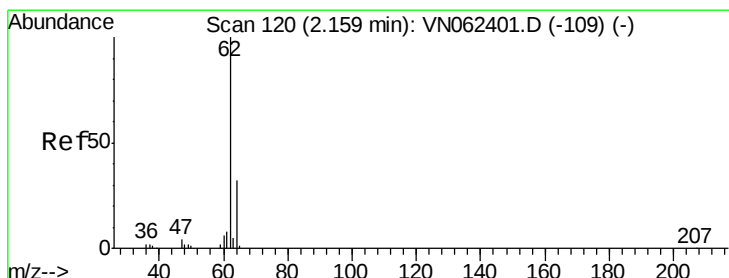
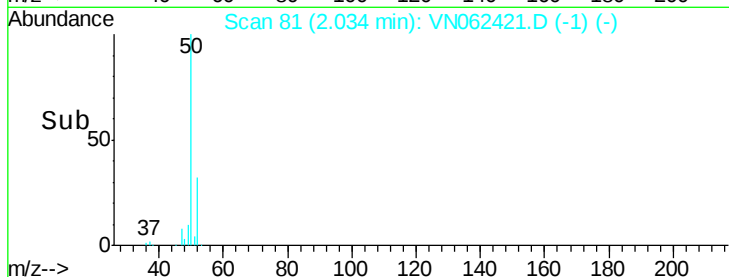
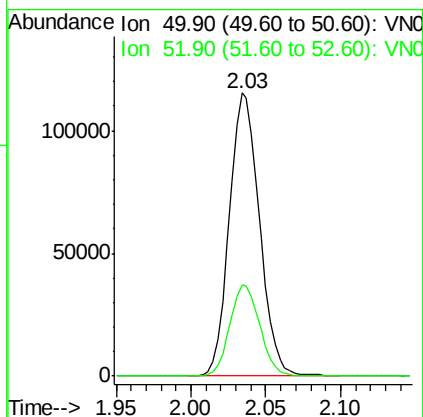
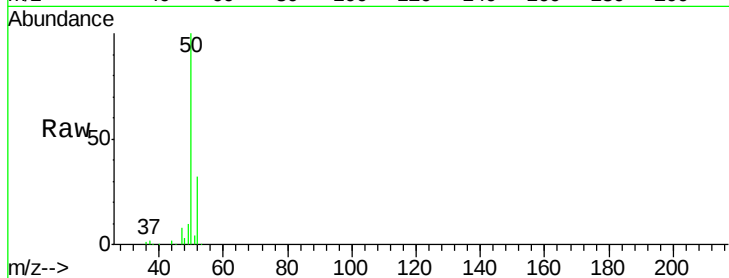
52 32.1 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.408 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062421.D

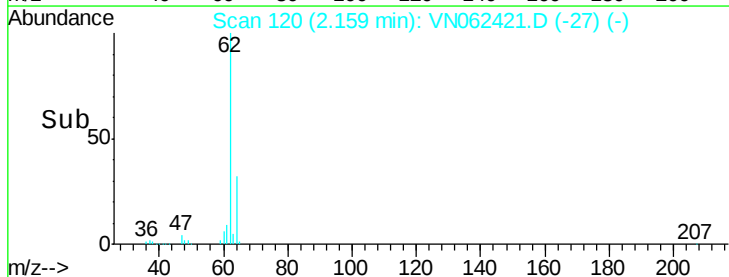
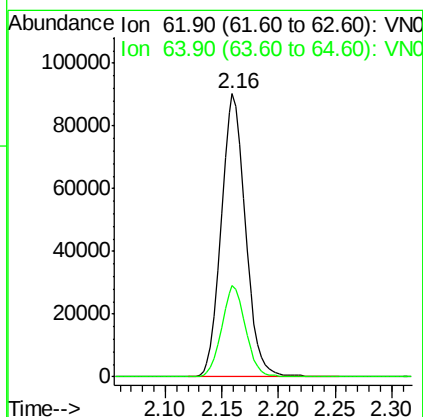
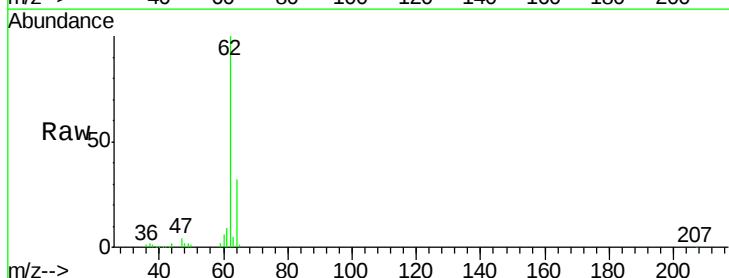
Acq: 8 Jul 2020 21:33

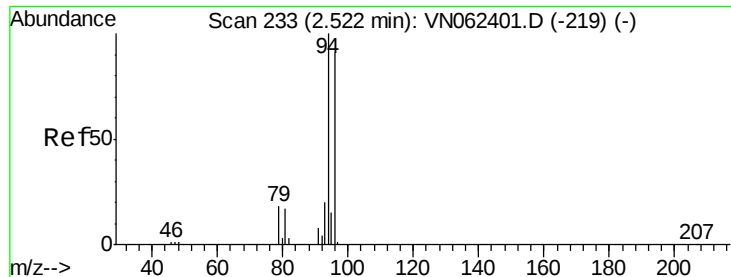
Tgt Ion: 62 Resp: 134839

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 49.889 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 71672

Ion Ratio Lower Upper

94 100

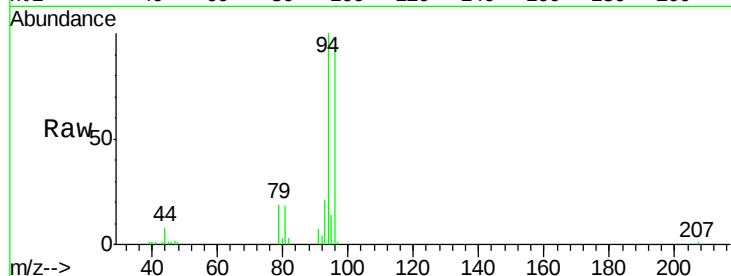
96 93.9 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.52

40000

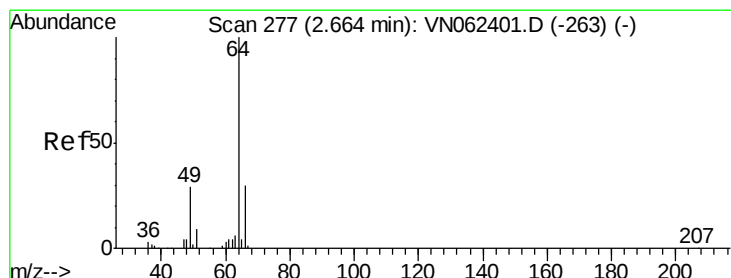
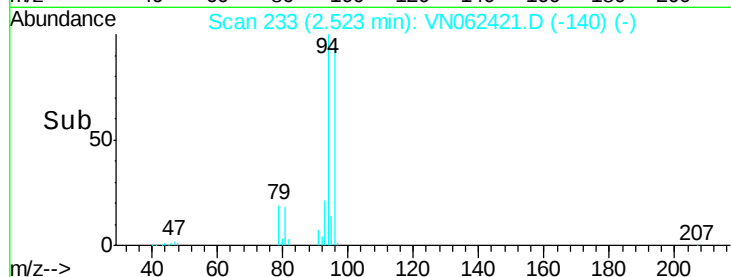
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20000

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Time-->



#6

Chloroethane

Concen: 51.345 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062421.D

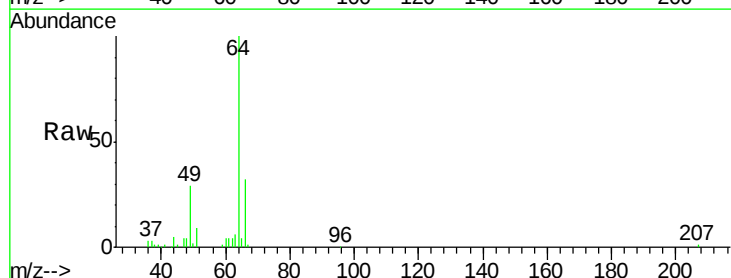
Acq: 8 Jul 2020 21:33

Tgt Ion: 64 Resp: 79993

Ion Ratio Lower Upper

64 100

66 31.7 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.67

40000

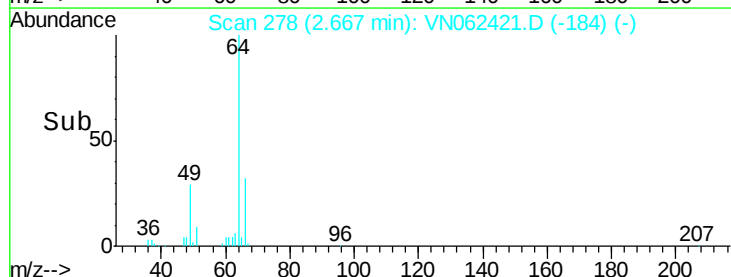
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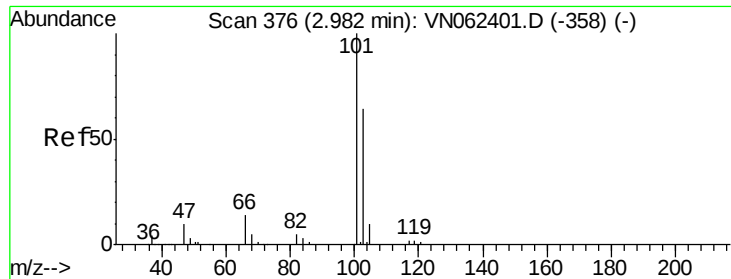
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Time-->





#7

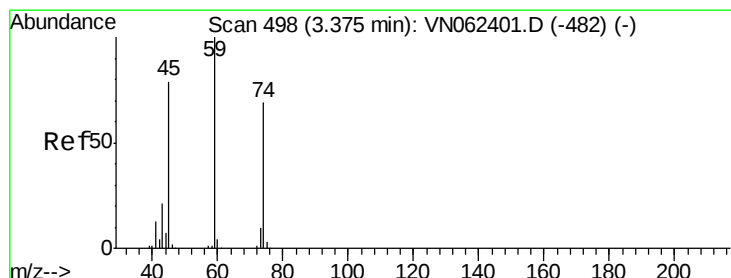
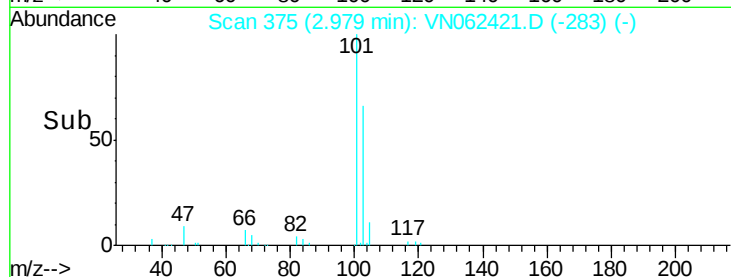
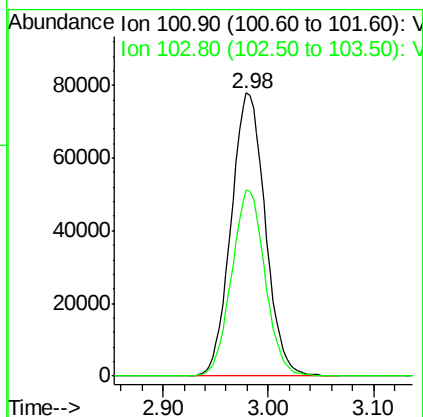
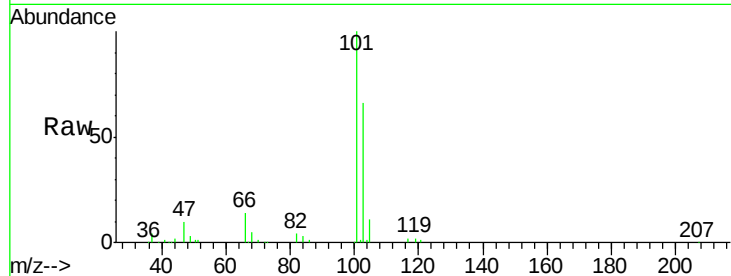
Trichlorofluoromethane
Concen: 51.381 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.6	77.4

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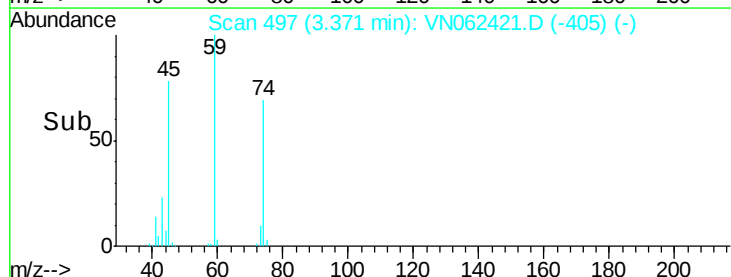
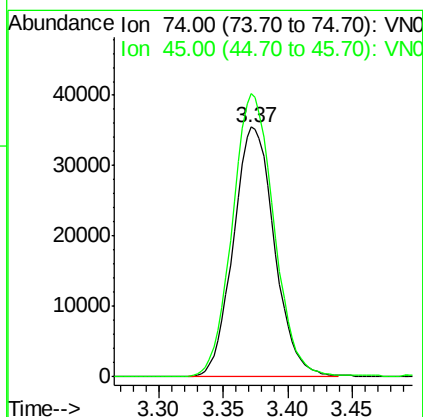
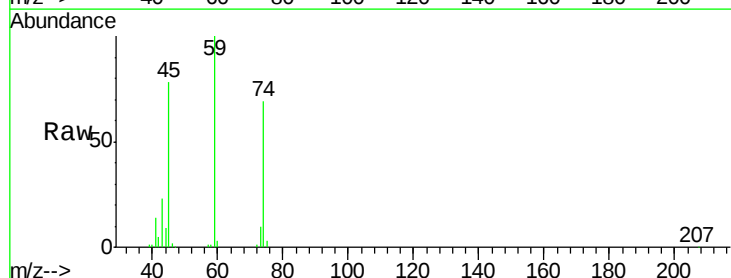
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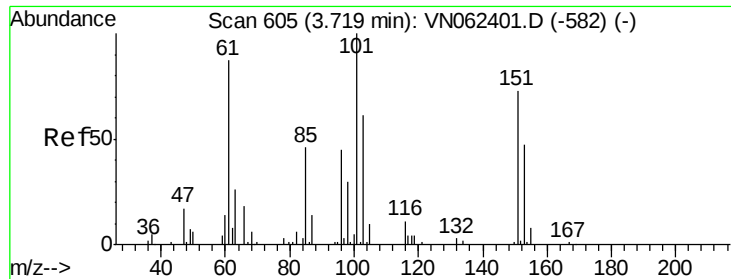


#8

Diethyl Ether
Concen: 51.731 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.9	58.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.943 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

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MSVOA_N

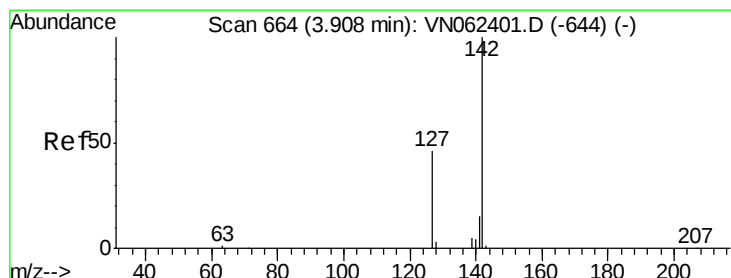
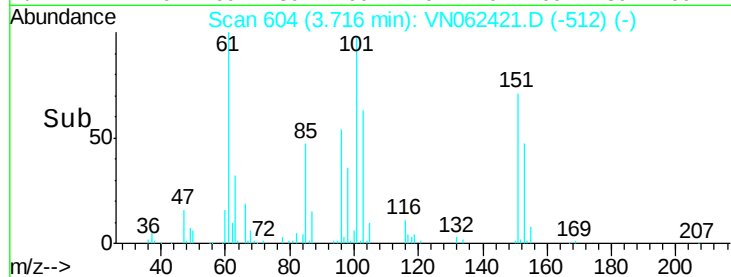
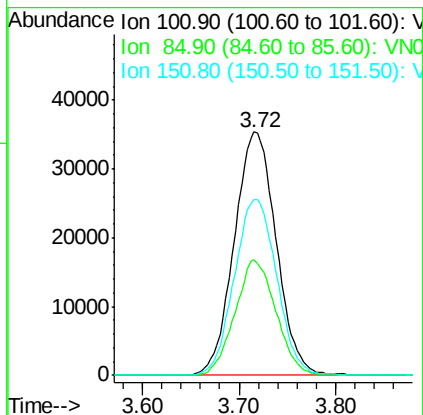
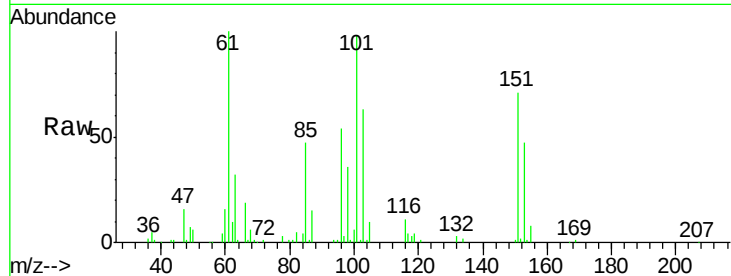
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	106622
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.7	55.1
151	73.1	58.3	87.5

Manual Integrations
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7/9/2020 10:58:40 AM



#10

Methyl Iodide

Concen: 52.604 ug/l

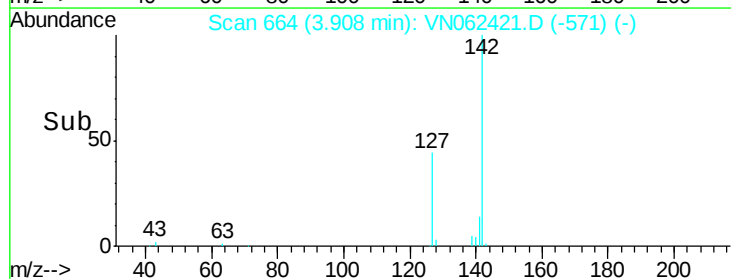
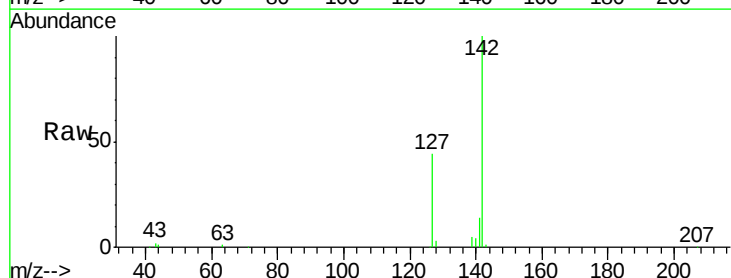
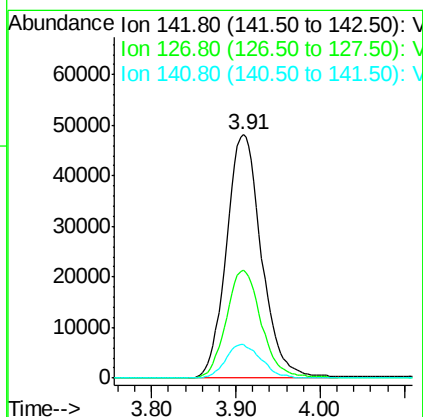
RT: 3.91 min Scan# 664

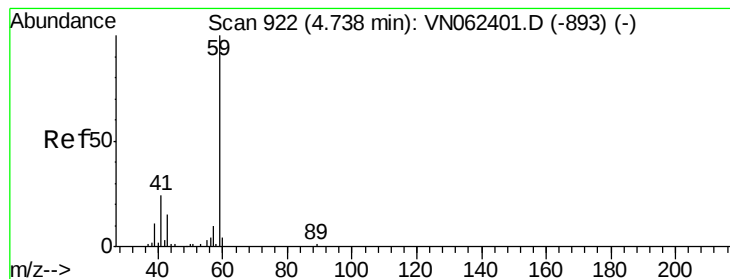
Delta R.T. 0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Tgt Ion:	142	Resp:	139882
Ion Ratio	Lower	Upper	
142	100		
127	44.3	36.1	54.1
141	14.1	11.4	17.0





#11

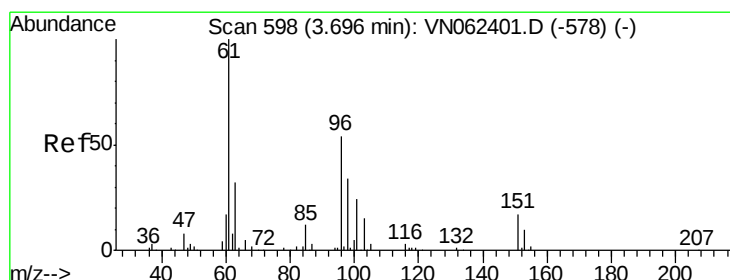
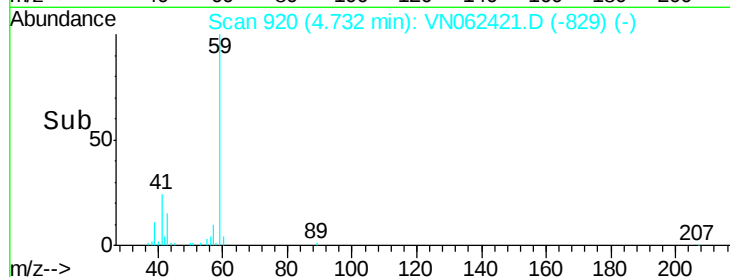
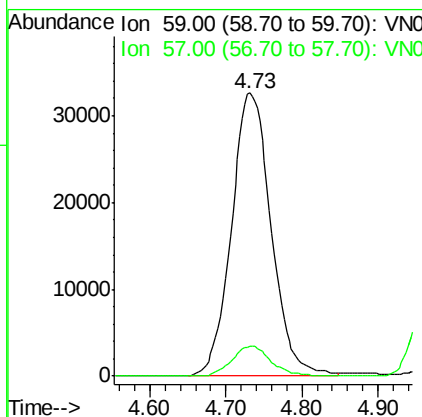
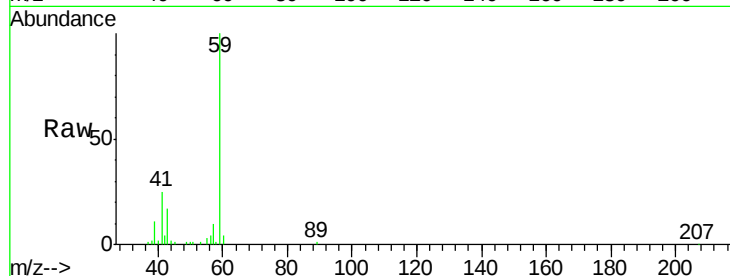
Tert butyl alcohol
Concen: 232.334 ug/l
RT: 4.73 min Scan# 920
Delta R.T. -0.01 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.6

Manual Integrations
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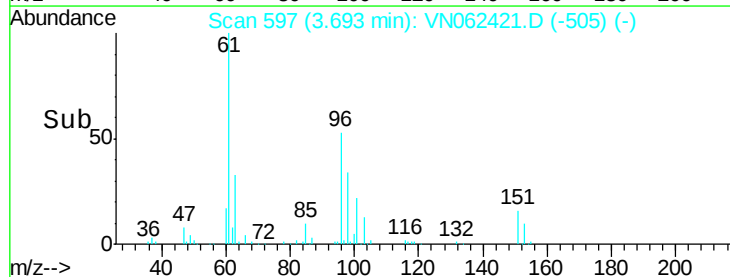
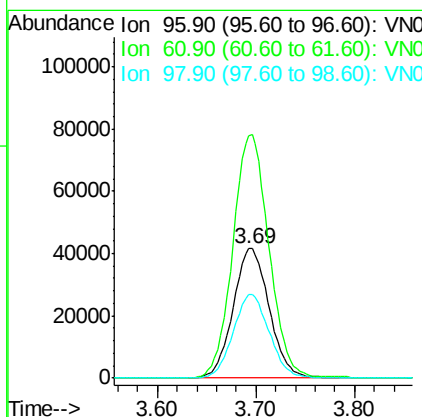
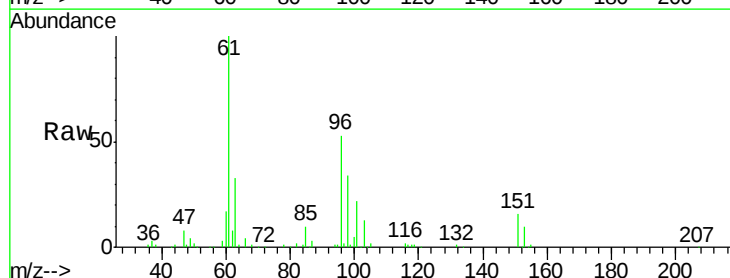
MMDadoda
7/9/2020 10:58:40 AM

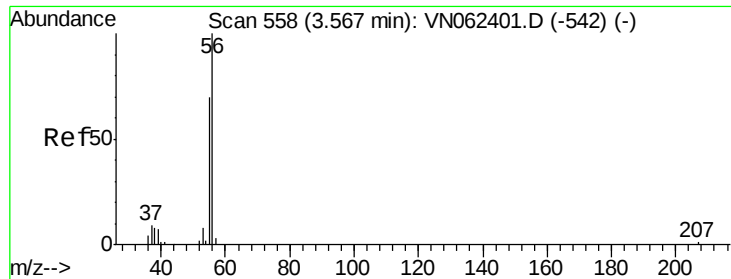


#12

1,1-Dichloroethene
Concen: 51.622 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.3	147.4	221.0
98	64.3	50.4	75.6





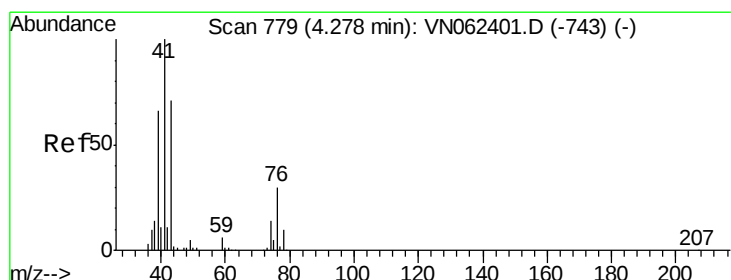
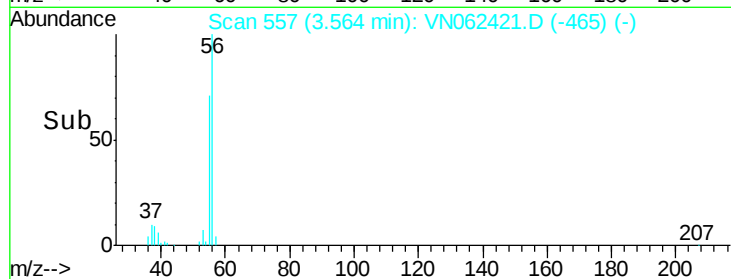
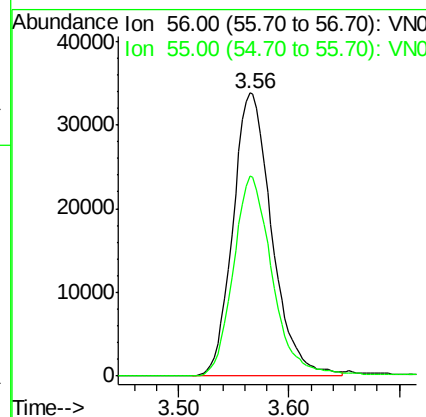
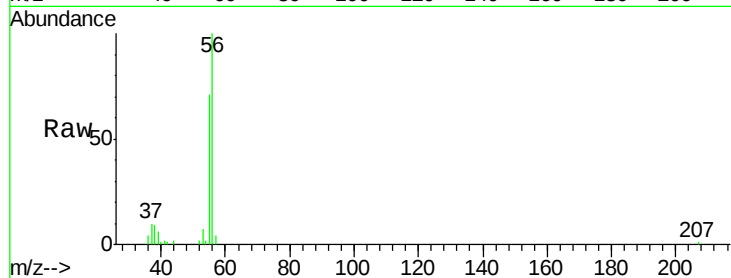
#13
Acrolein
Concen: 225.075 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.7	57.2	85.8

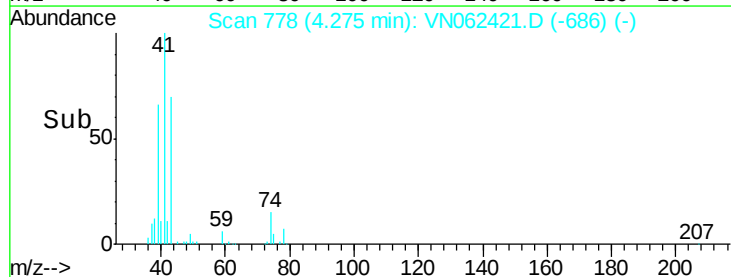
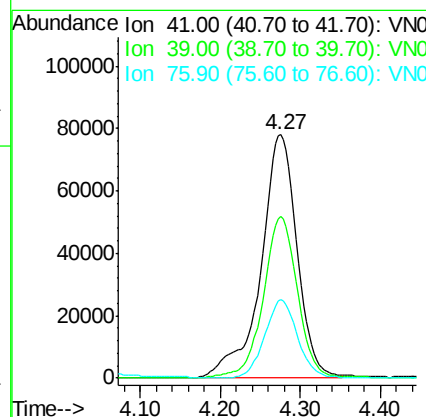
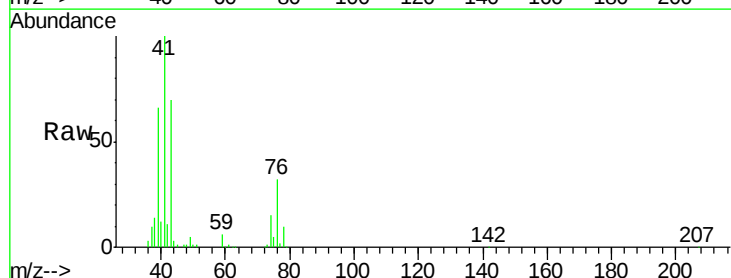
Manual Integrations
APPROVED

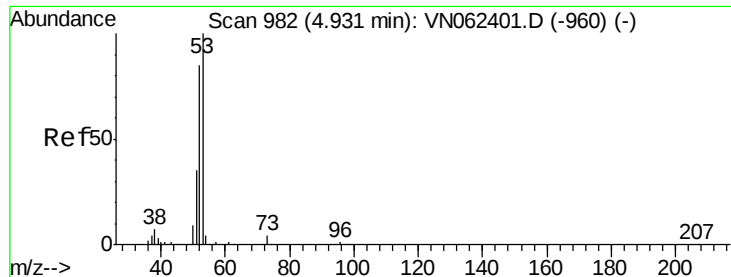
MMDadoda
7/9/2020 10:58:40 AM



#14
Allyl chloride
Concen: 50.719 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.7	49.6	74.4
76	28.4	22.2	33.4





#15

Acrylonitrile

Concen: 257.636 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Instrument :

MSVOA_N

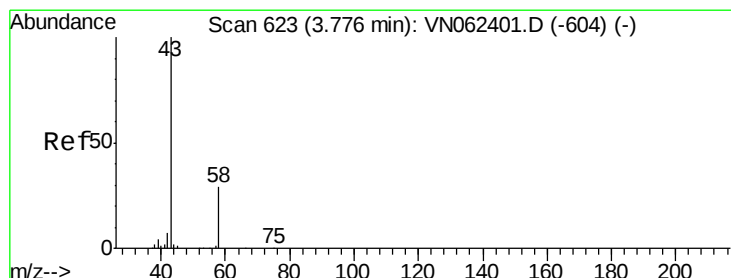
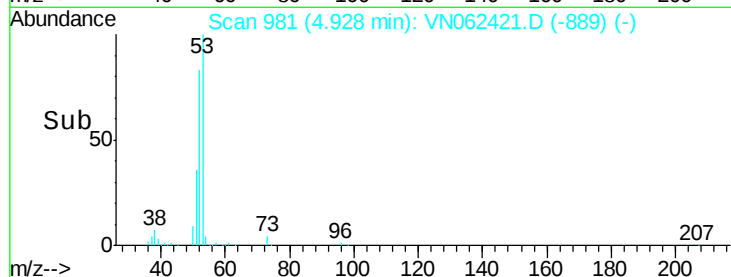
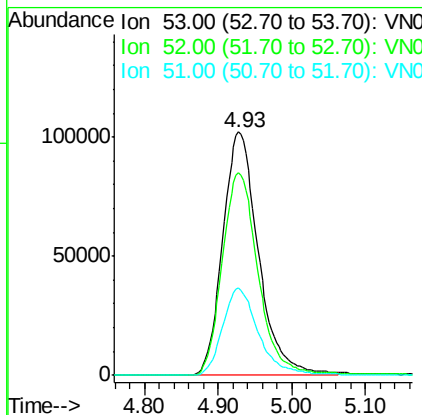
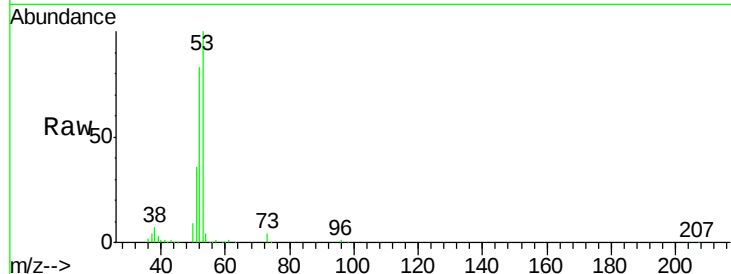
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	344401
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.2	99.4
51	36.1	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 218.935 ug/l

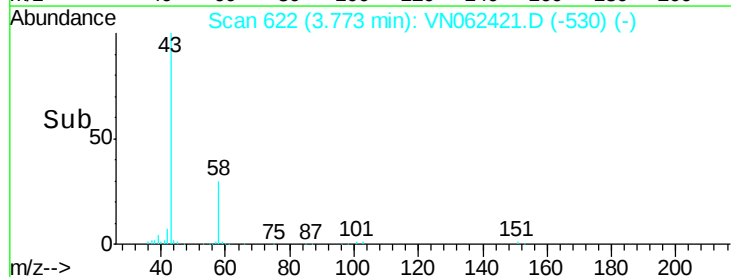
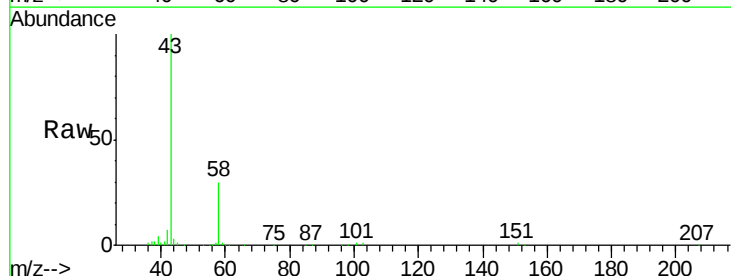
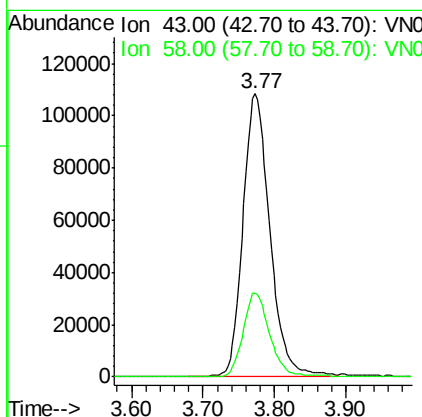
RT: 3.77 min Scan# 622

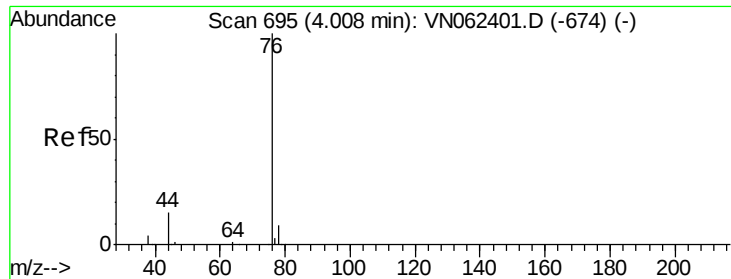
Delta R.T. -0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Tgt Ion:	43	Resp:	285604
Ion Ratio	Lower	Upper	
43	100		
58	29.7	23.5	35.3





#17

Carbon Disulfide

Concen: 49.804 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 319988

Ion Ratio Lower Upper

76 100

78 8.5

7.3

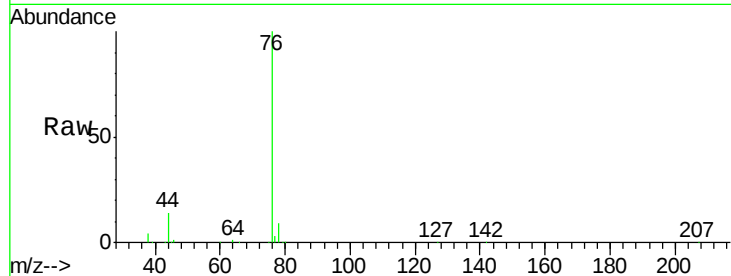
10.9

Manual Integrations

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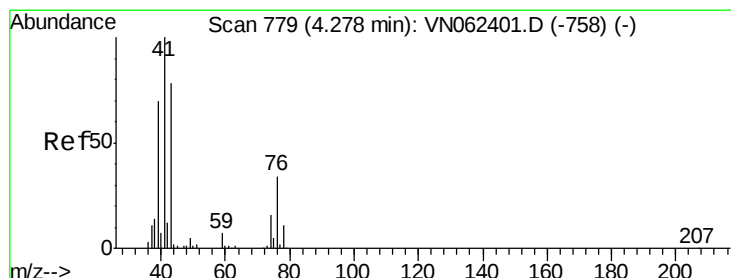
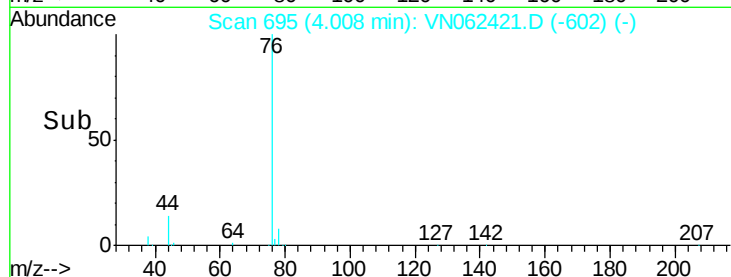
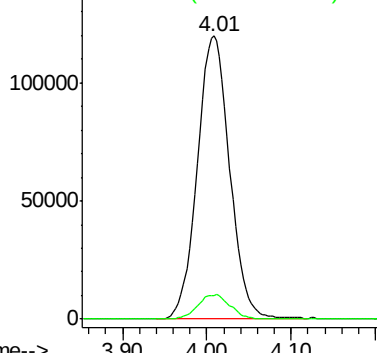
MMDadoda

7/9/2020 10:58:40 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 47.781 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Tgt Ion: 43 Resp: 155550

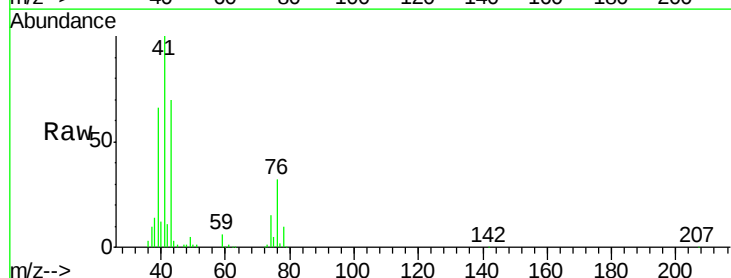
Ion Ratio Lower Upper

43 100

74 20.0

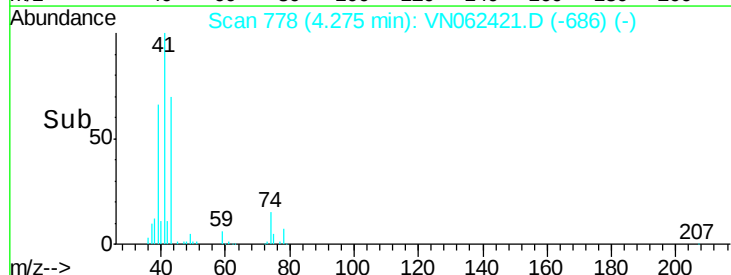
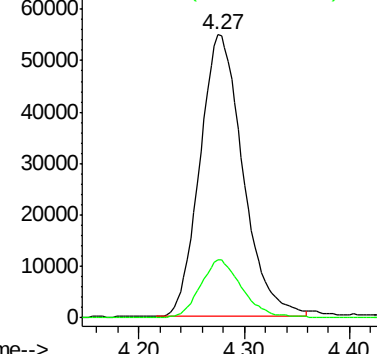
16.0

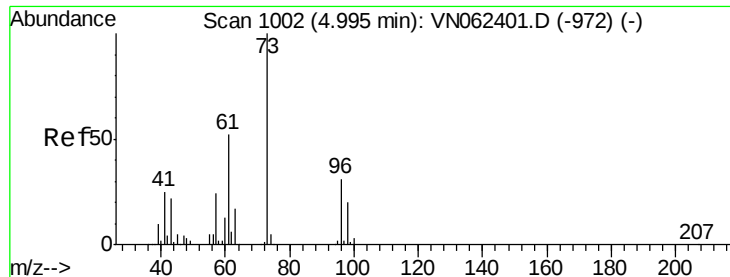
24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





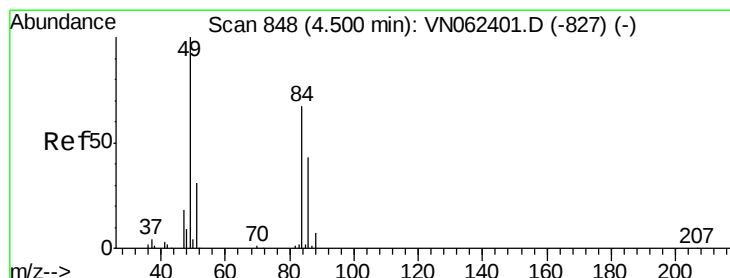
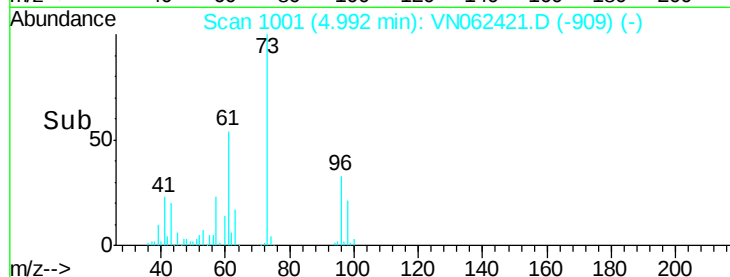
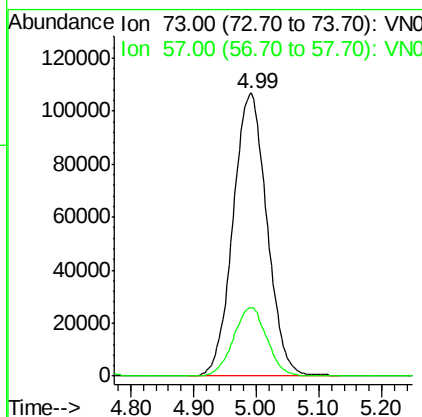
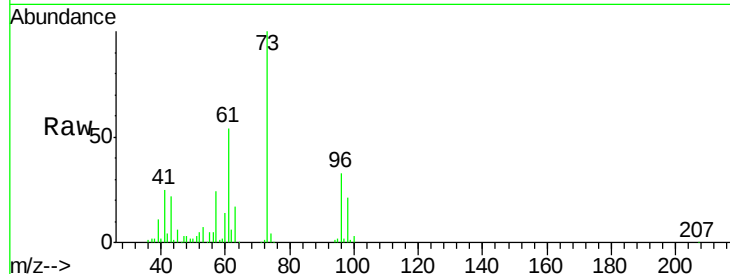
#19
Methyl tert-butyl Ether
Concen: 51.462 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 400057
Ion Ratio Lower Upper
73 100
57 24.3 19.4 29.0

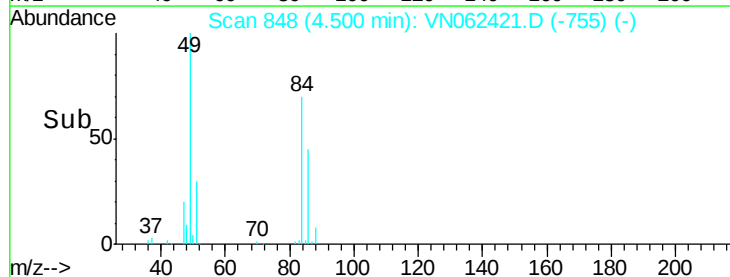
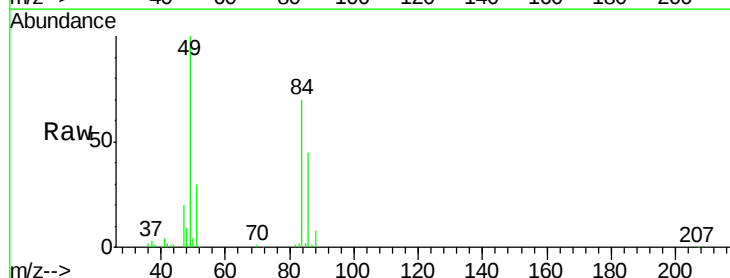
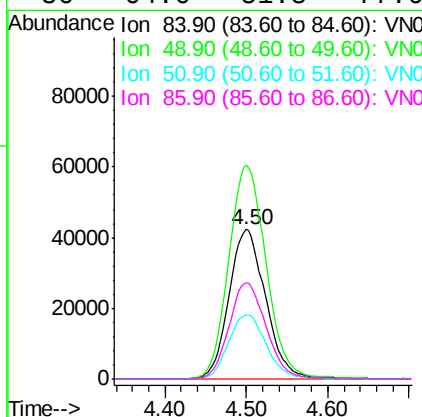
Manual Integrations
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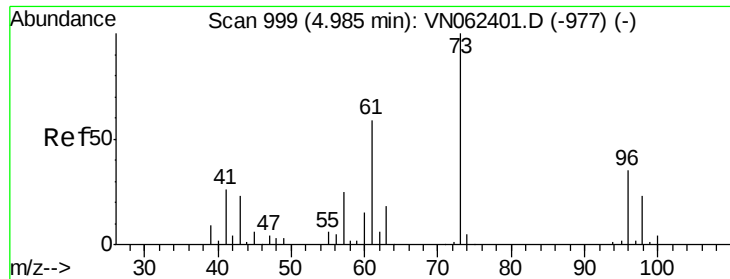
MMDadoda
7/9/2020 10:58:40 AM



#20
Methylene Chloride
Concen: 47.629 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion: 84 Resp: 132846
Ion Ratio Lower Upper
84 100
49 142.6 120.0 180.0
51 42.5 37.0 55.6
86 64.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 52.003 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Instrument :

MSVOA_N

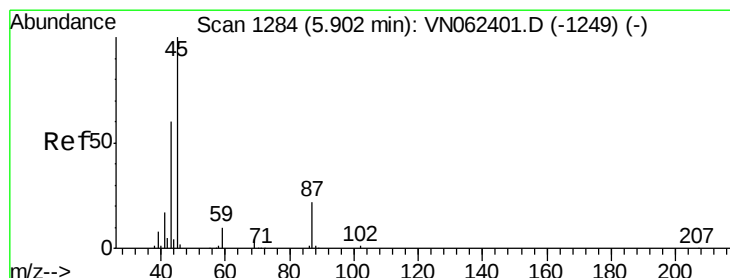
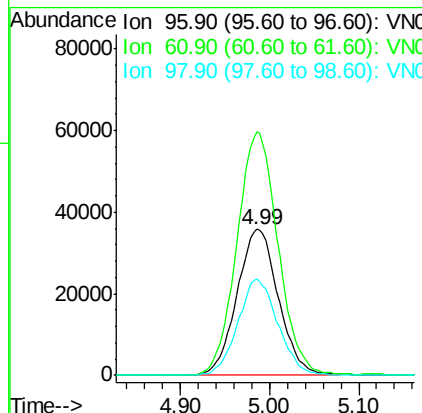
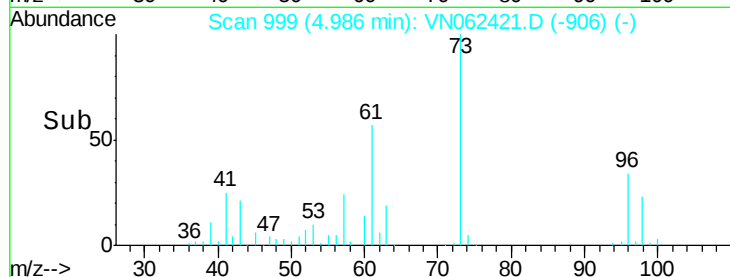
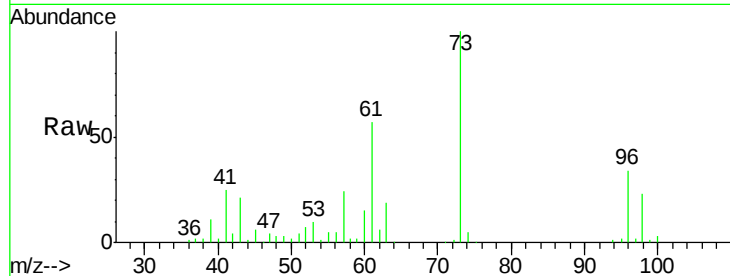
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	115515
Ion	Ratio	Lower	Upper
96	100		
61	167.1	133.5	200.3
98	65.9	51.9	77.9

Manual Integrations
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MMDadoda
7/9/2020 10:58:40 AM



#22

Diisopropyl ether

Concen: 52.791 ug/l

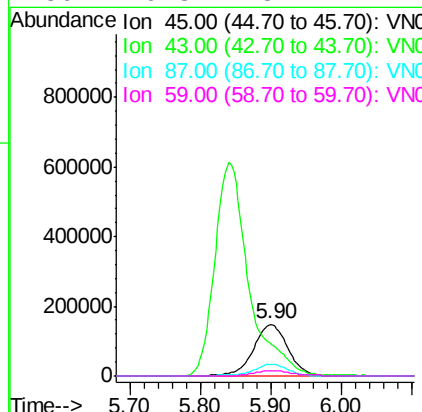
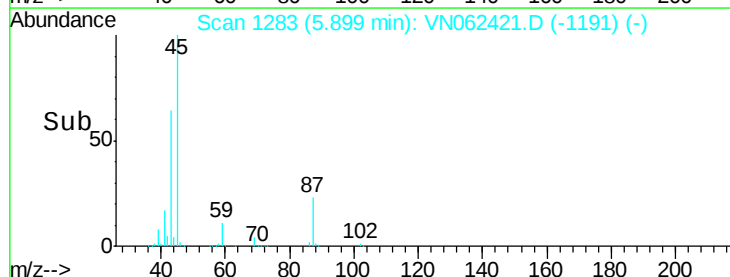
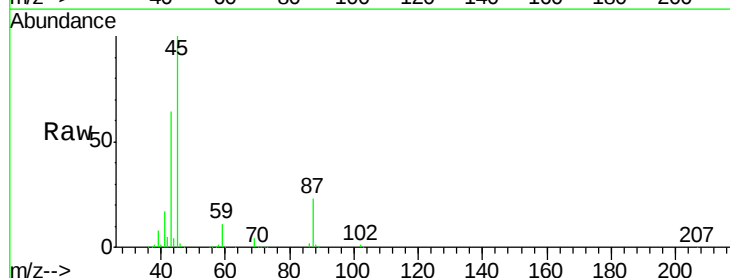
RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Tgt Ion:	45	Resp:	502954
Ion	Ratio	Lower	Upper
45	100		
43	61.8	50.1	75.1
87	22.9	18.2	27.4
59	10.3	8.2	12.2





#23

Vinyl Acetate

Concen: 262.420 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2071083

Ion Ratio Lower Upper

43 100

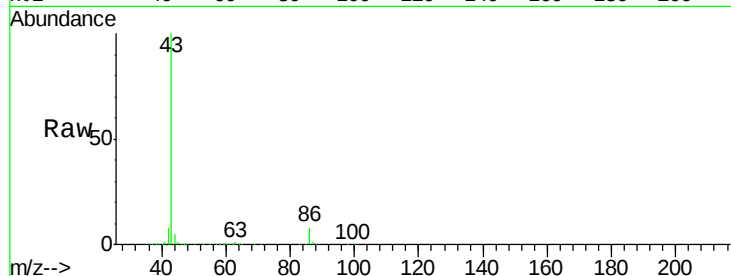
86 8.0 6.7 10.1

Manual Integrations

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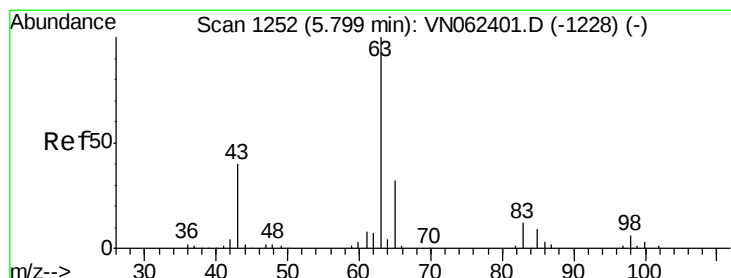
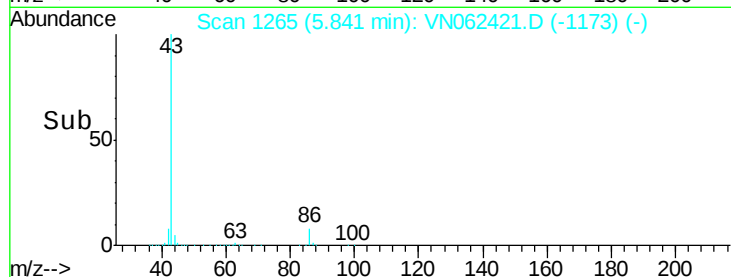
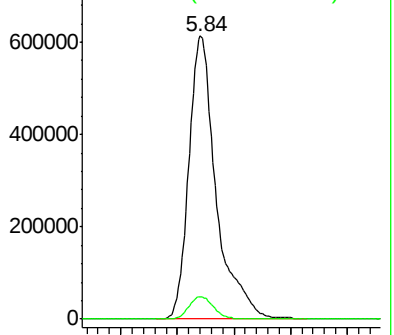
MMDadoda

7/9/2020 10:58:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.614 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

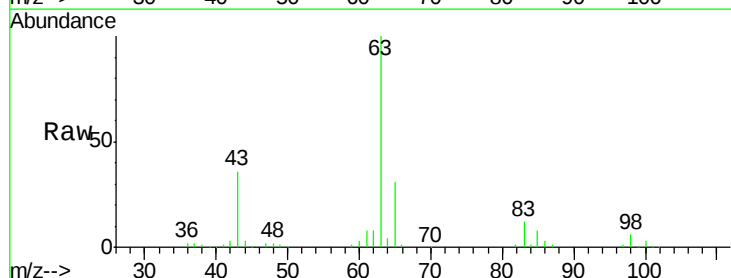
Tgt Ion: 63 Resp: 254100

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.8

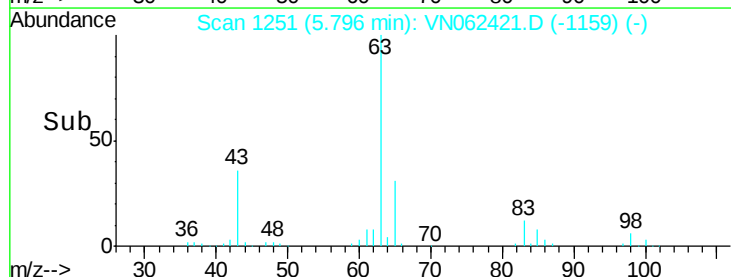
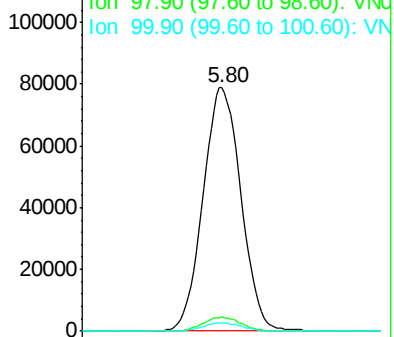
100 3.5 1.8 5.3

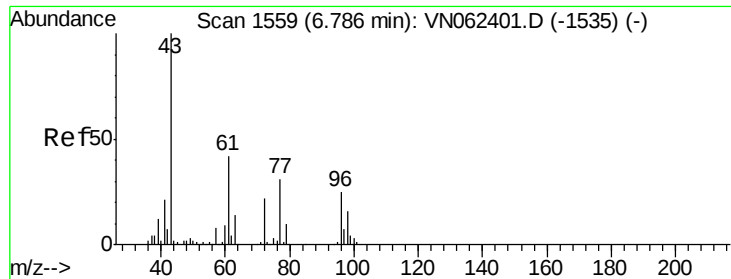


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





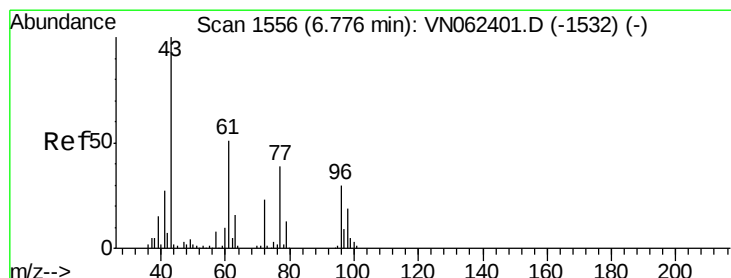
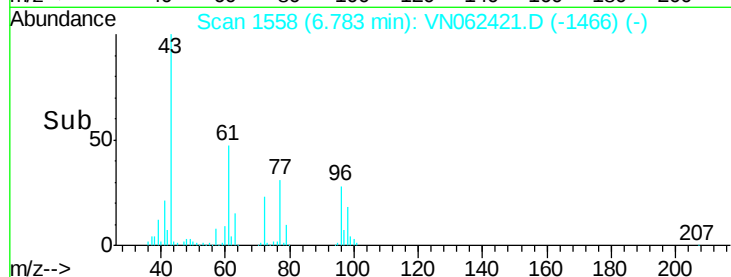
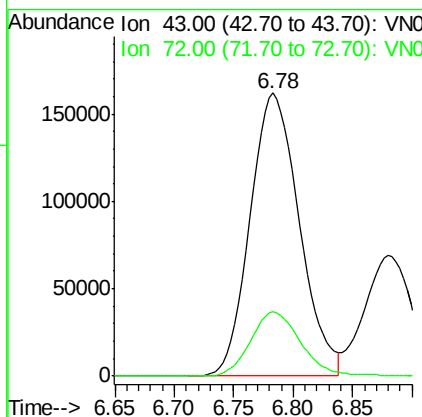
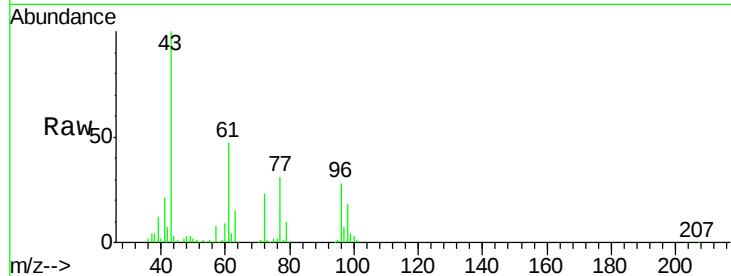
#25
2-Butanone
Concen: 242.797 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 462568
Ion Ratio Lower Upper
43 100
72 22.8 17.9 26.9

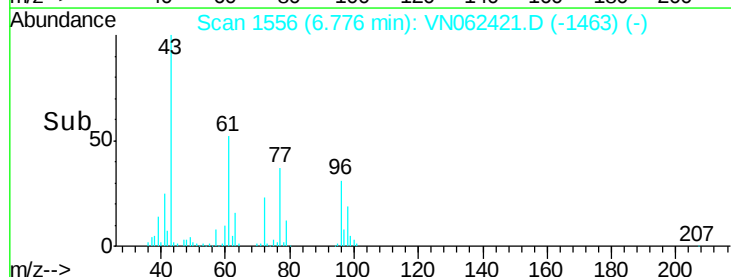
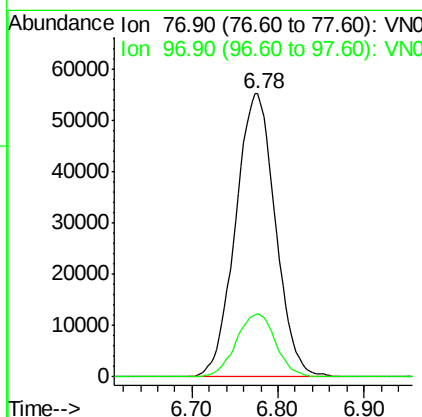
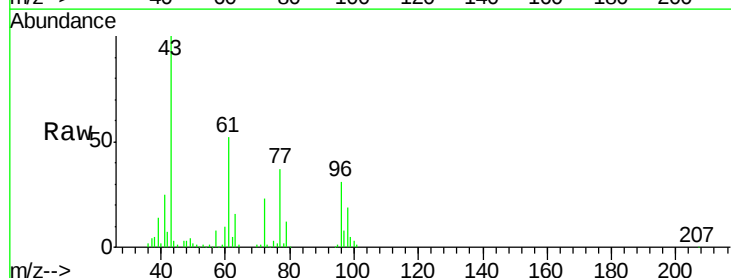
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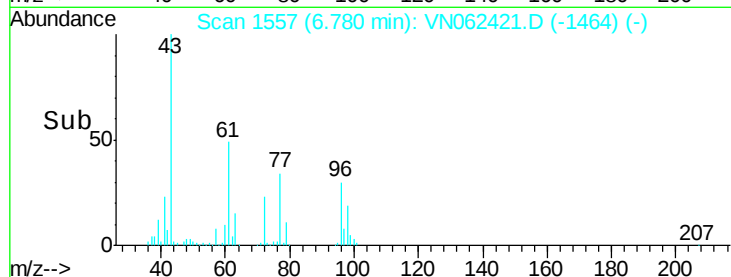
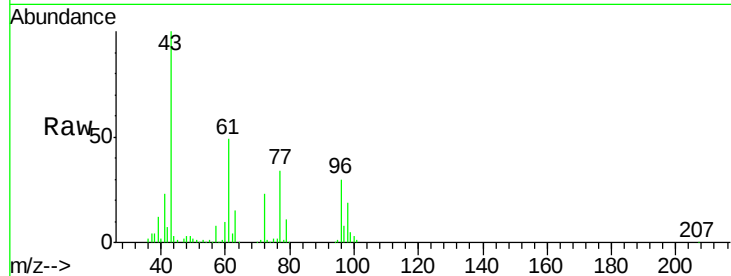
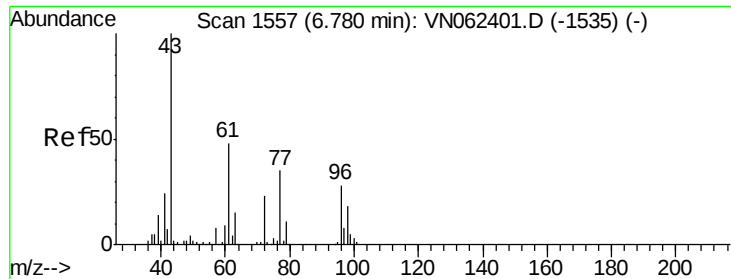
MMDadoda
7/9/2020 10:58:40 AM



#26
2,2-Dichloropropane
Concen: 47.147 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion: 77 Resp: 177968
Ion Ratio Lower Upper
77 100
97 22.0 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 52.854 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062421.D

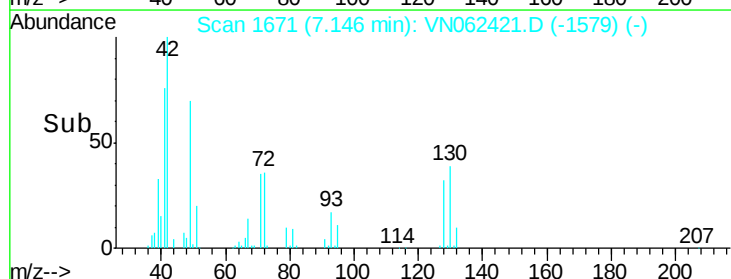
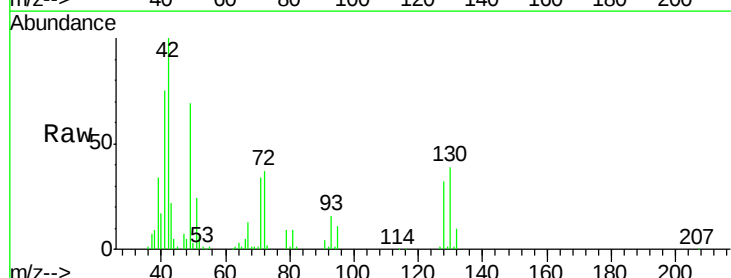
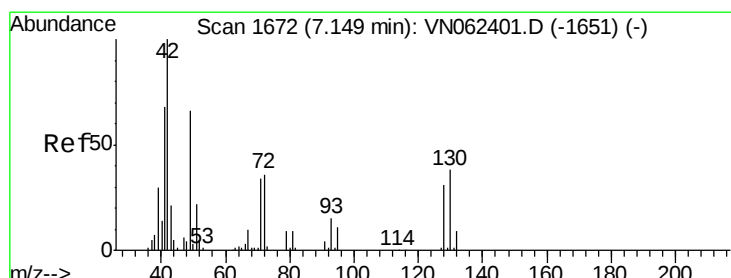
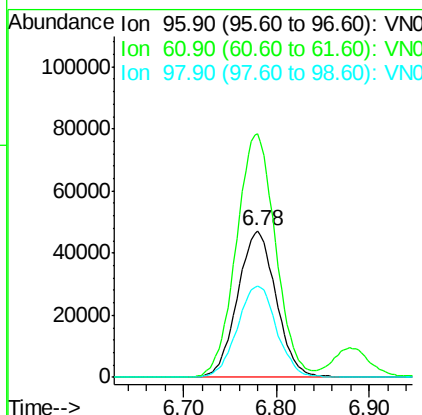
Acq: 8 Jul 2020 21:33

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	169.3	0.0	343.4	
98	63.7	0.0	128.4	

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Manual Integrations
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#28

Bromochloromethane

Concen: 47.255 ug/l

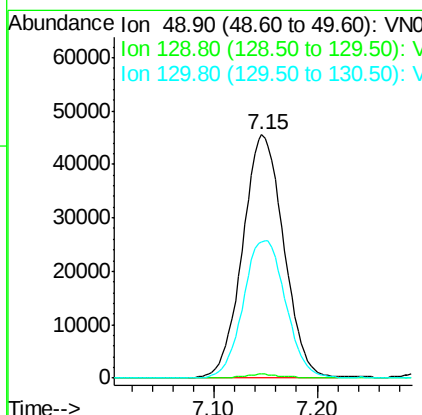
RT: 7.15 min Scan# 1671

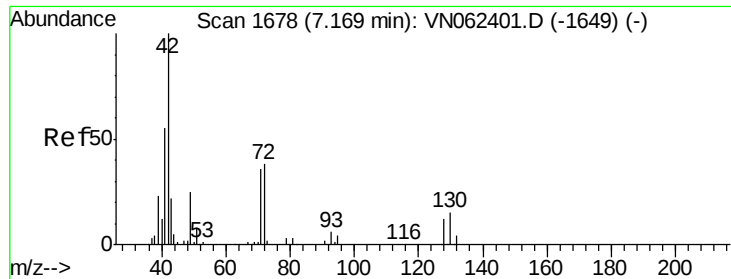
Delta R.T. -0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	2.8	
130	58.1	46.5	69.7	





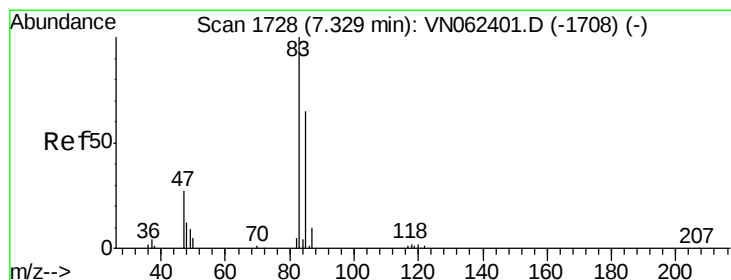
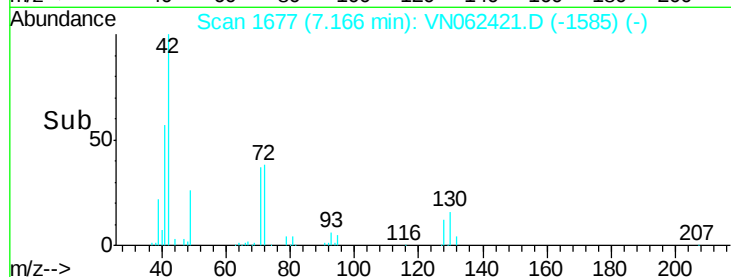
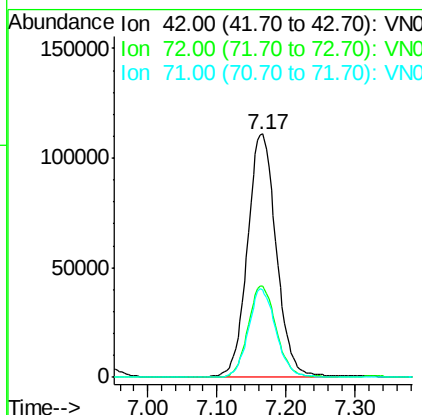
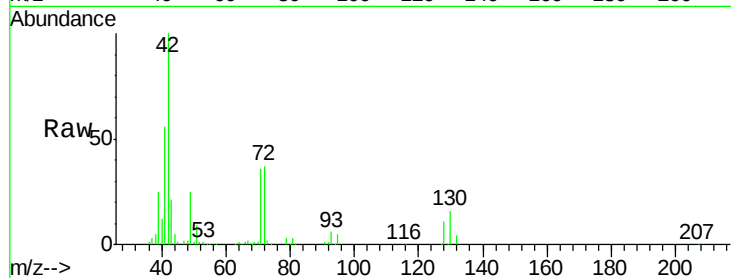
#29
Tetrahydrofuran
Concen: 250.387 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.1	43.7
71	34.7	28.1	42.1

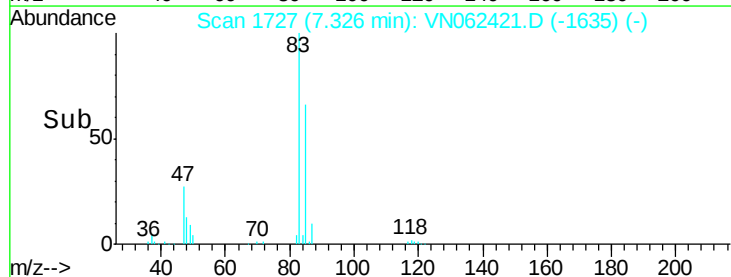
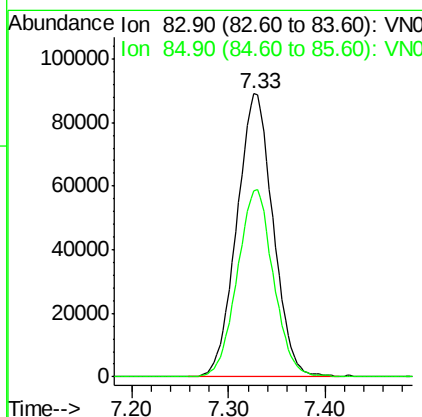
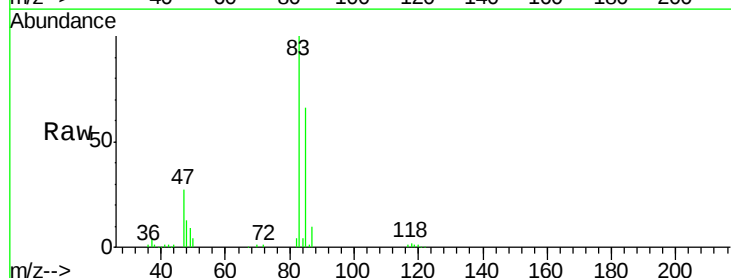
Manual Integrations
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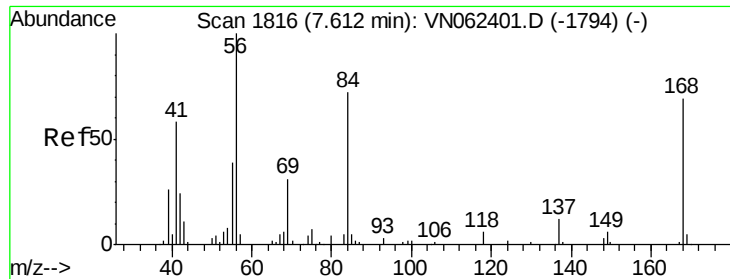
MMDadoda
7/9/2020 10:58:40 AM



#30
Chloroform
Concen: 52.213 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.6





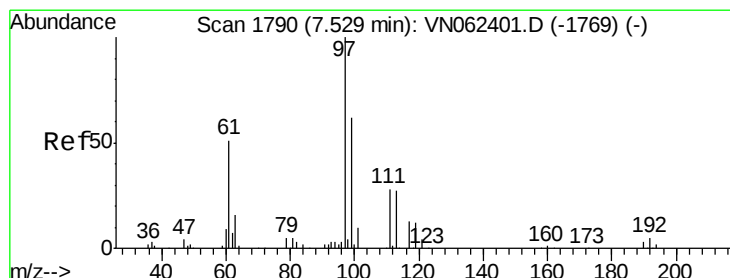
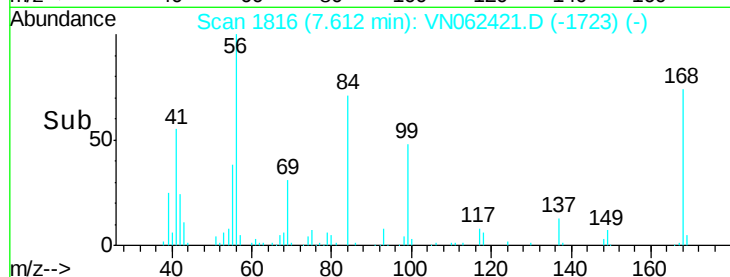
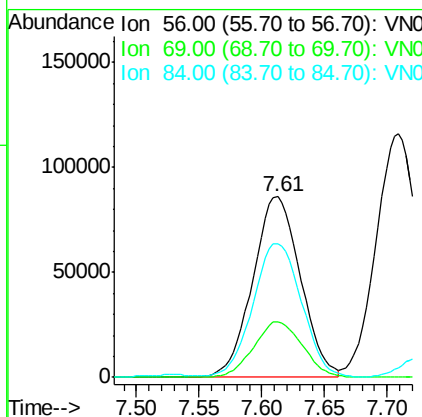
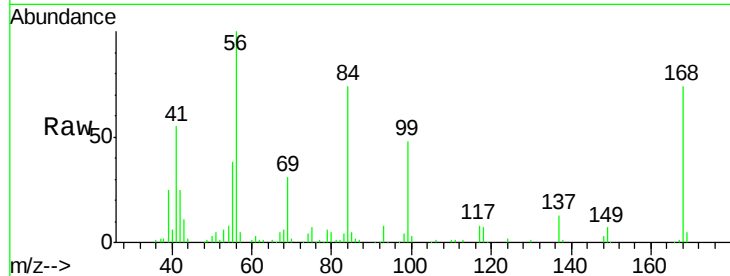
#31
Cyclohexane
Concen: 48.902 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.5	36.7
84	72.9	57.4	86.2

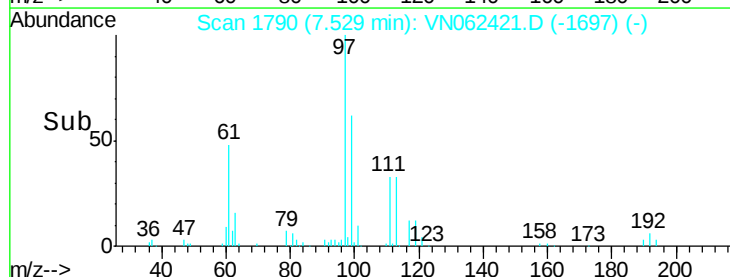
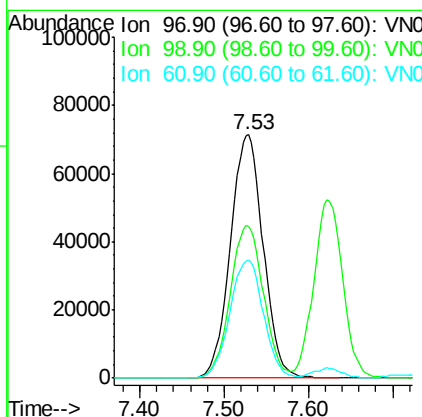
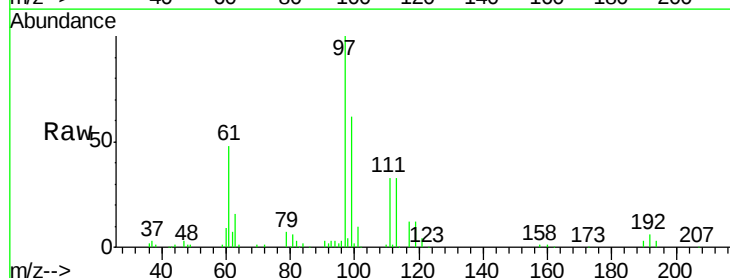
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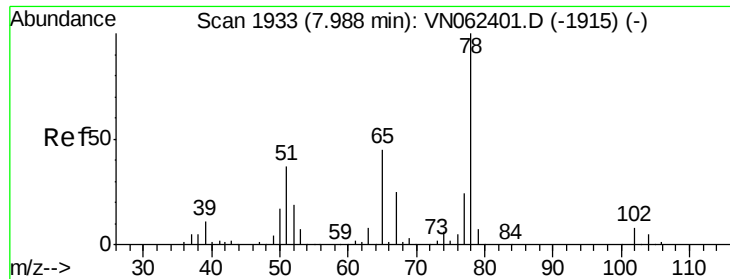
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#32
1,1,1-Trichloroethane
Concen: 52.198 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.4	75.6
61	49.7	39.9	59.9





#33

1,2-Dichloroethane-d4

Concen: 50.639 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 155596

Ion Ratio Lower Upper

65 100

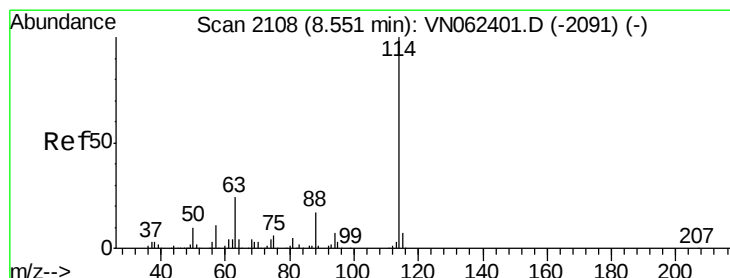
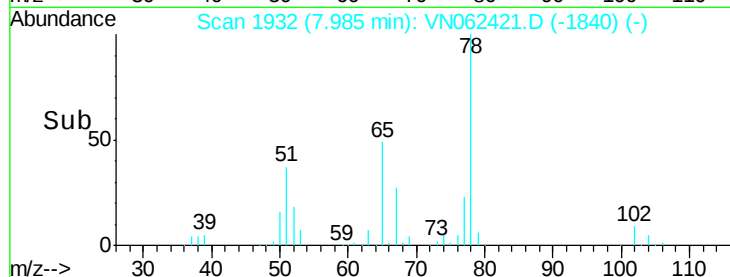
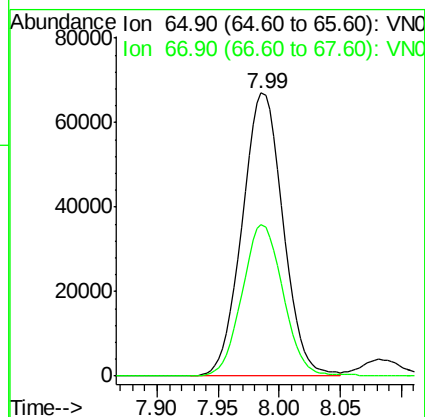
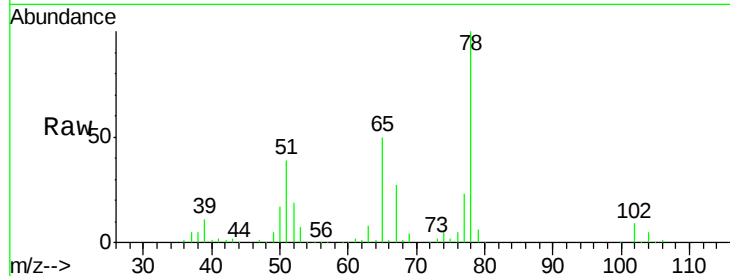
67 53.6 0.0 107.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

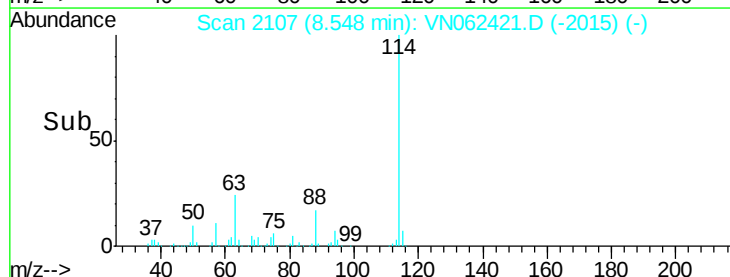
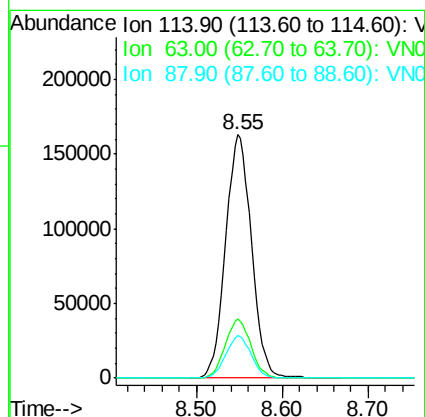
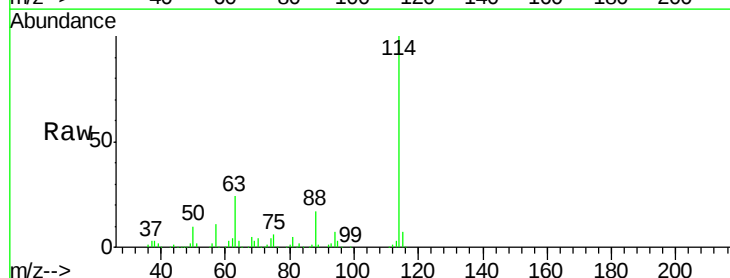
Tgt Ion: 114 Resp: 341121

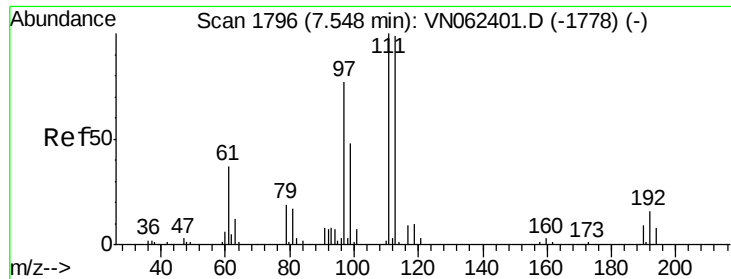
Ion Ratio Lower Upper

114 100

63 24.3 0.0 48.4

88 17.4 0.0 33.8





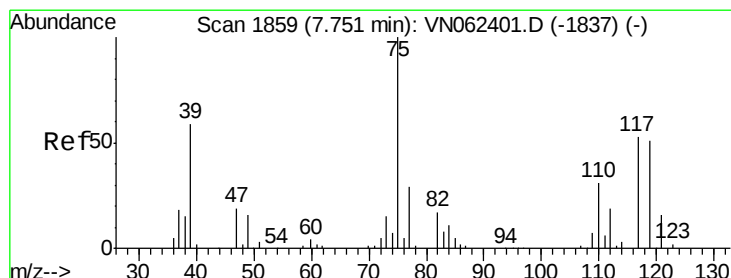
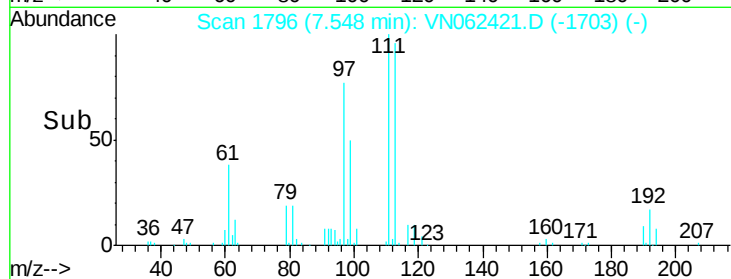
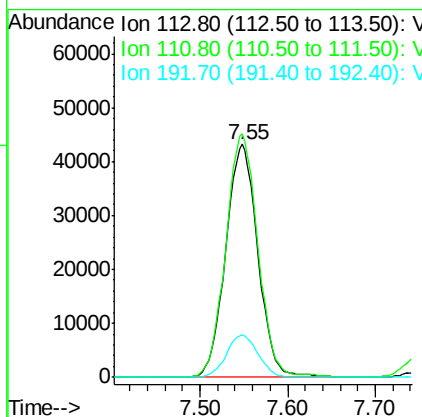
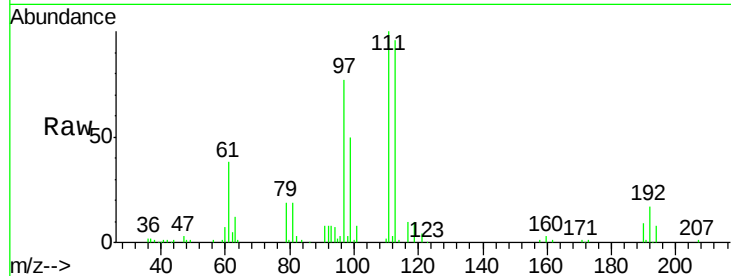
#35
Dibromofluoromethane
Concen: 52.169 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	110002		
111	104.4		83.1	124.7
192	17.9		14.1	21.1

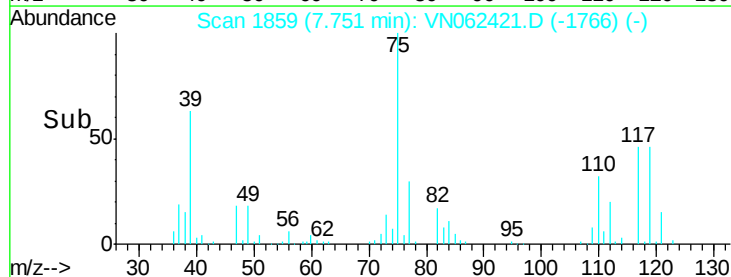
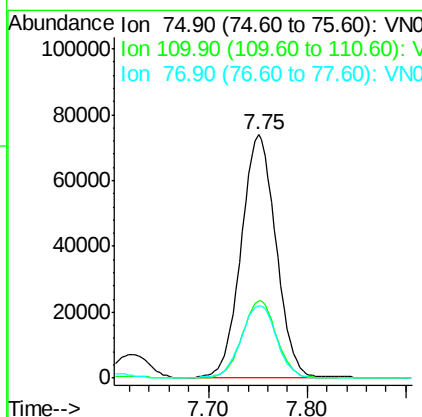
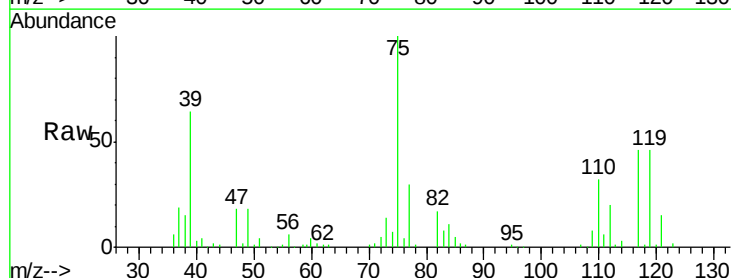
Manual Integrations
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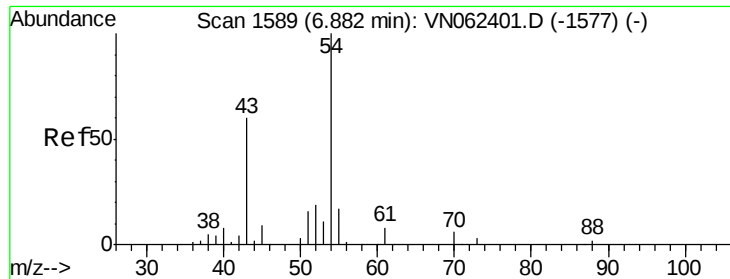
MMDadoda
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#36
1,1-Dichloropropene
Concen: 52.029 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	178811		
110	31.5		15.4	46.2
77	30.9		24.1	36.1





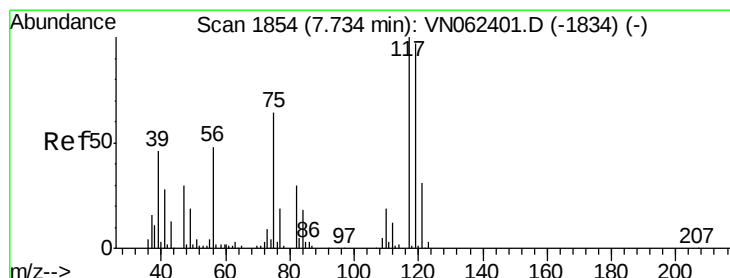
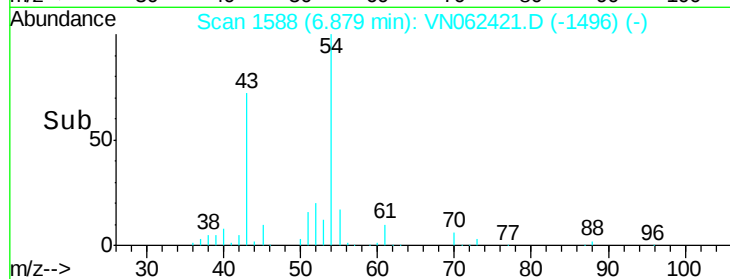
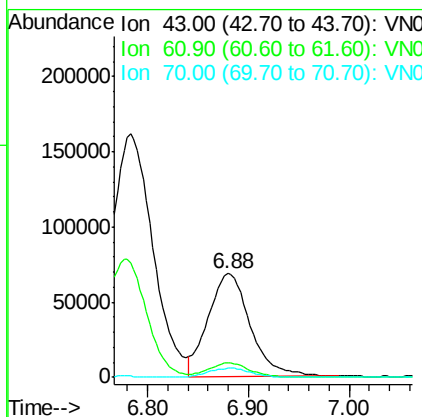
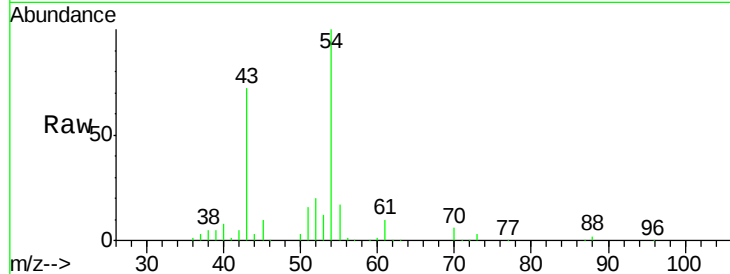
#37
Ethyl Acetate
Concen: 49.298 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	43	61	70
Resp	198110		
Ratio	100	13.8	8.8
Lower		10.7	7.2
Upper		16.1	10.8

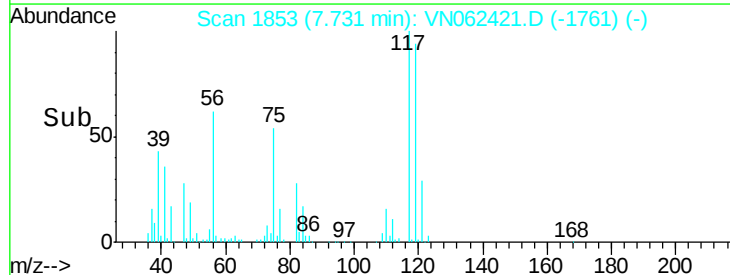
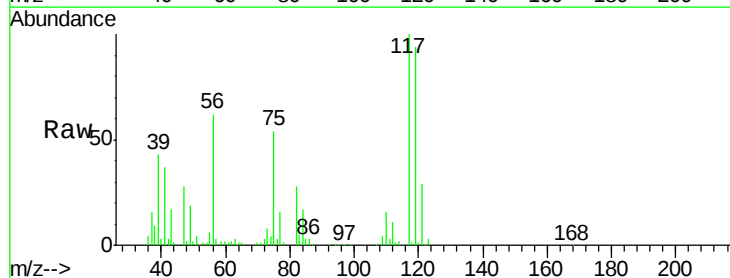
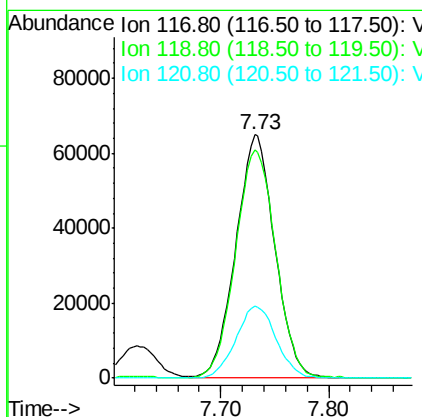
Manual Integrations
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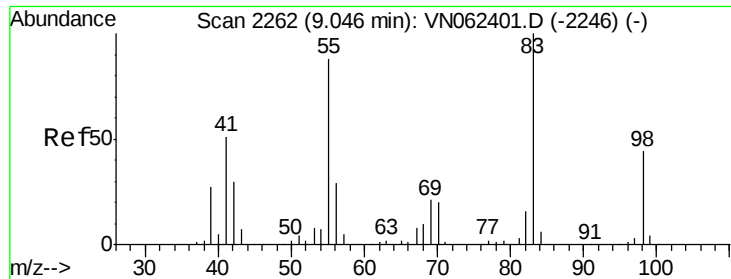
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.443 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion	117	119	121
Resp	162037		
Ratio	100	93.8	29.5
Lower		77.2	24.8
Upper		115.8	37.2





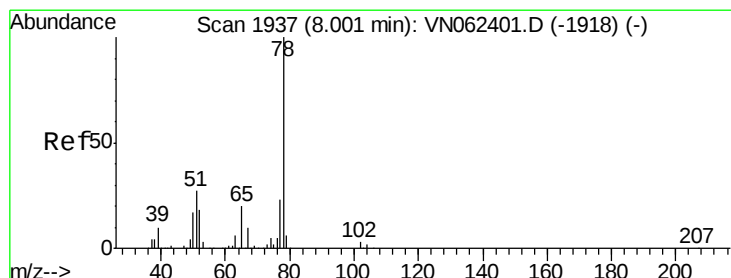
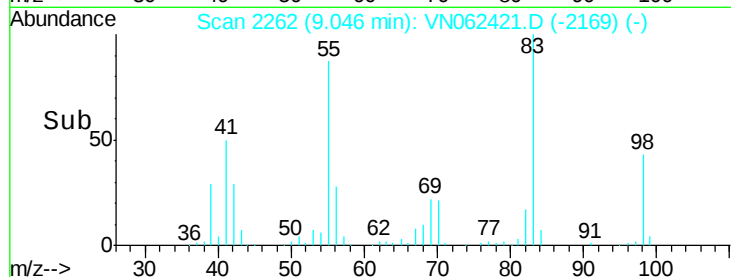
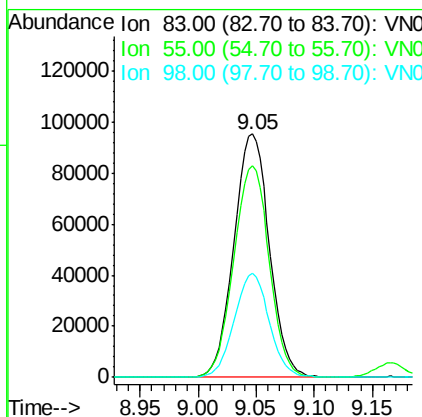
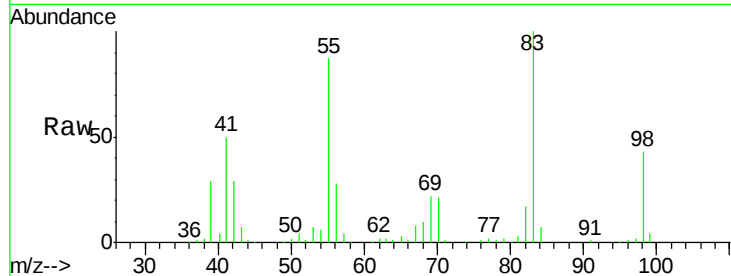
#39
Methvlcvclohexane
Concen: 55.247 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	202706
Ion Ratio	100	Lower	Upper
83	100	70.5	105.7
55	87.1	35.5	53.3
98	42.5		

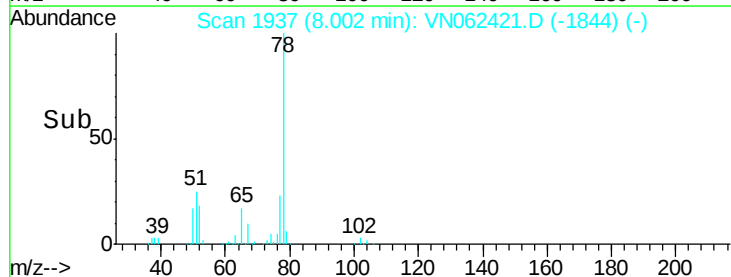
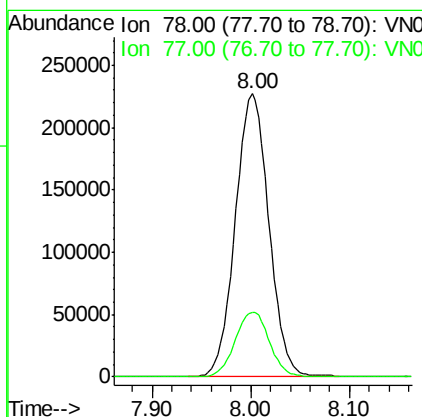
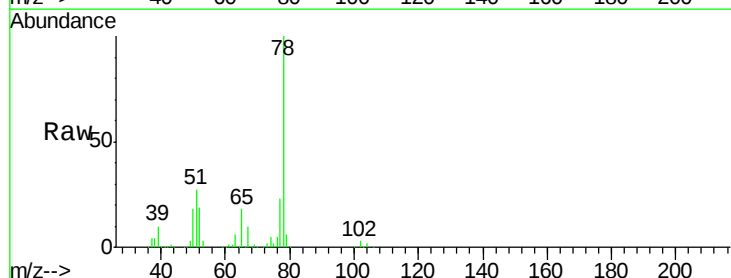
Manual Integrations
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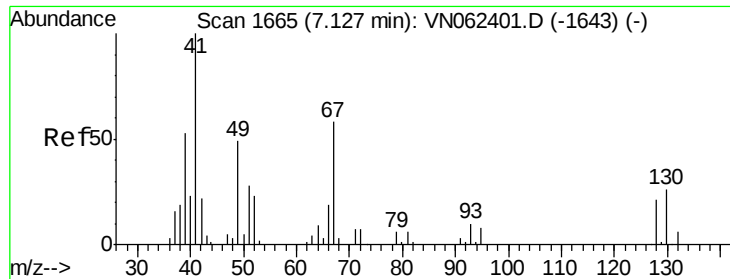
MMDadoda
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#40
Benzene
Concen: 52.954 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion	78	Resp	536362
Ion Ratio	100	Lower	Upper
78	100	18.7	28.1
77	23.0		





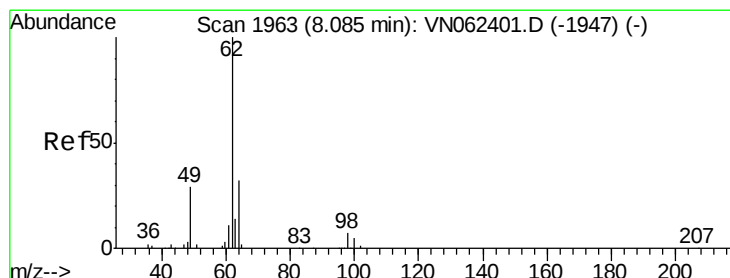
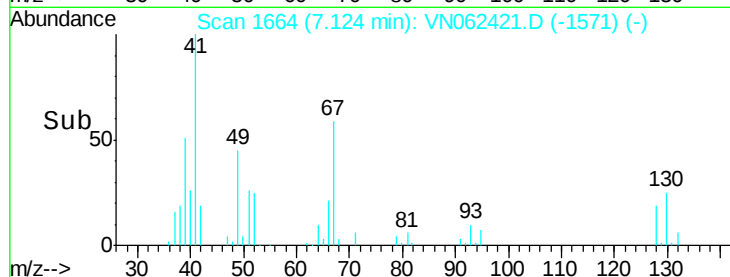
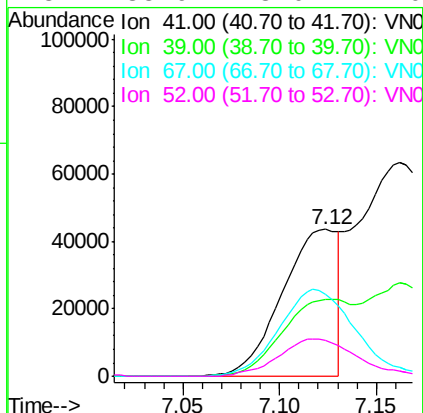
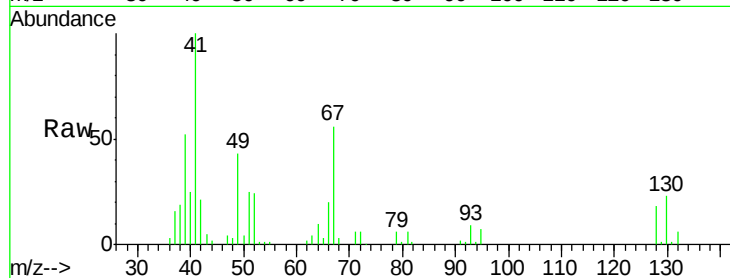
#41
Methacrylonitrile
Concen: 52.052 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	87395
Ion Ratio	Lower	Upper	
41	100		
39	67.2	50.2	75.2
67	81.8	64.2	96.2
52	35.9	28.0	42.0

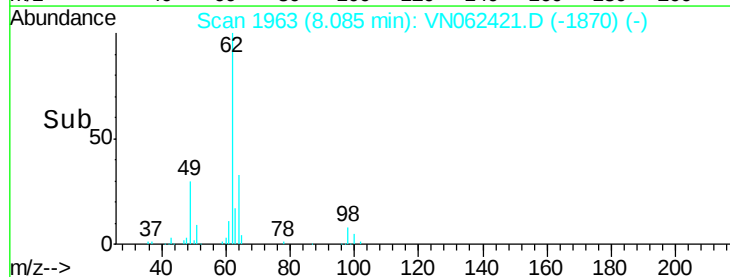
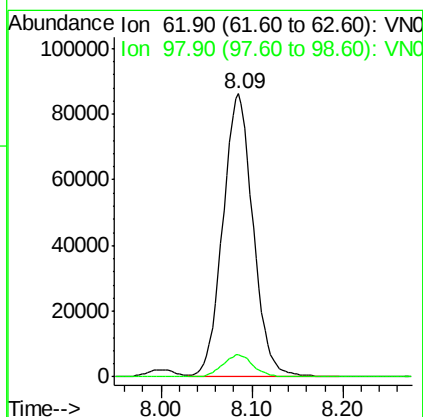
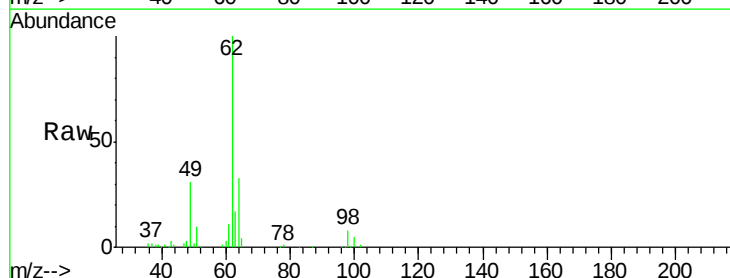
Manual Integrations
APPROVED

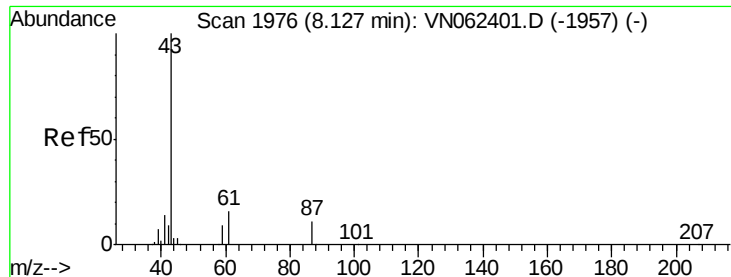
MMDadoda
7/9/2020 10:58:40 AM



#42
1,2-Dichloroethane
Concen: 53.320 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion	62	Resp	197754
Ion Ratio	Lower	Upper	
62	100		
98	7.8	0.0	15.8





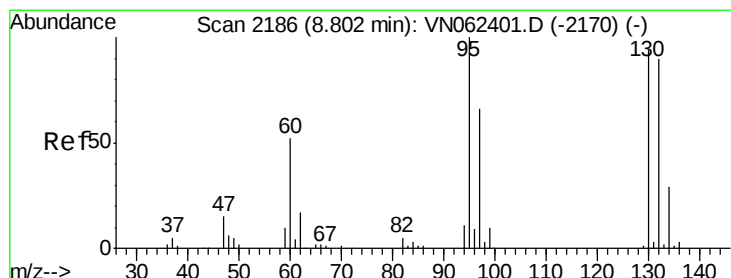
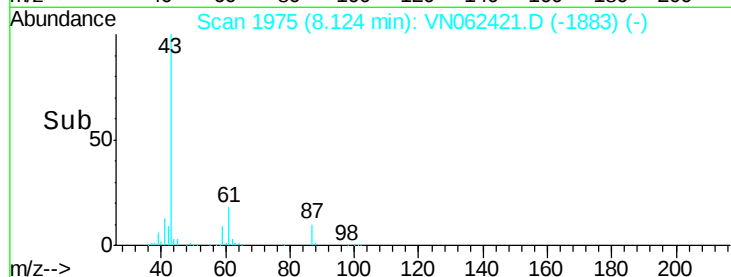
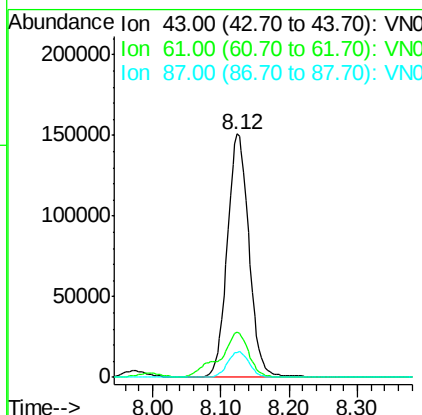
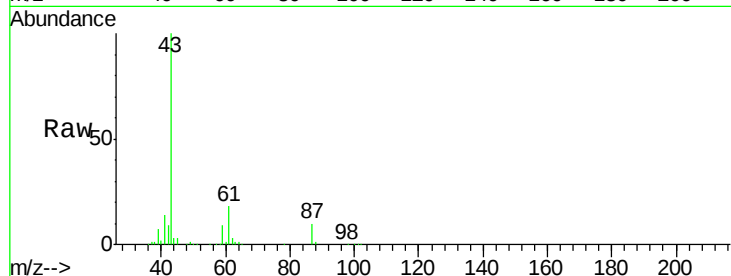
#43
Isopropyl Acetate
Concen: 52.631 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.6	19.3	28.9
87	10.5	8.6	13.0

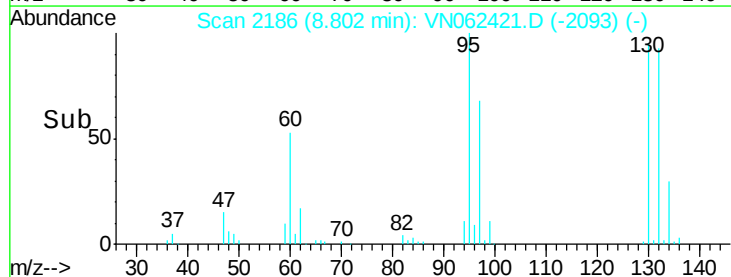
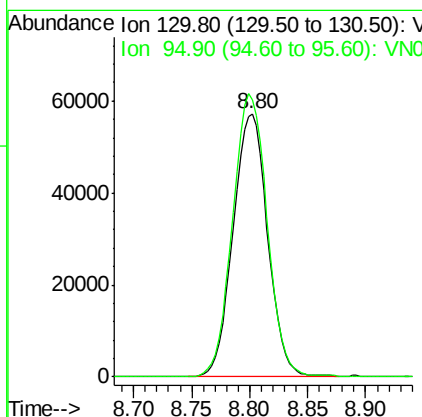
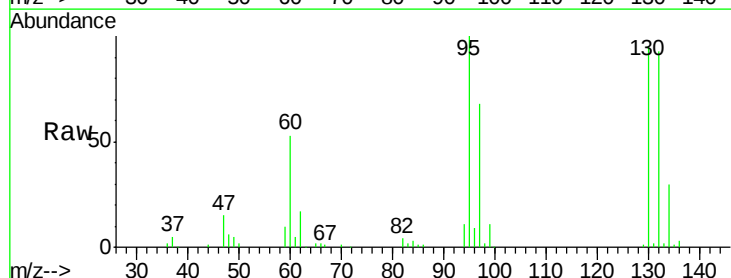
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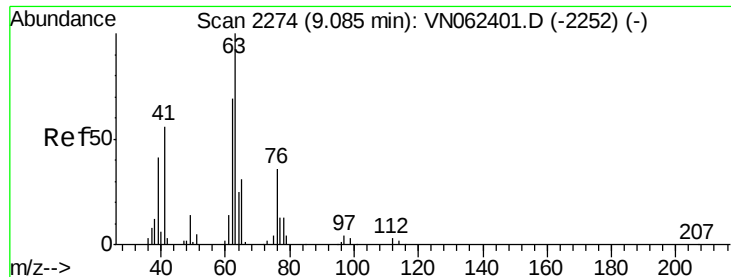
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7/9/2020 10:58:40 AM



#44
Trichloroethene
Concen: 52.794 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	213.8





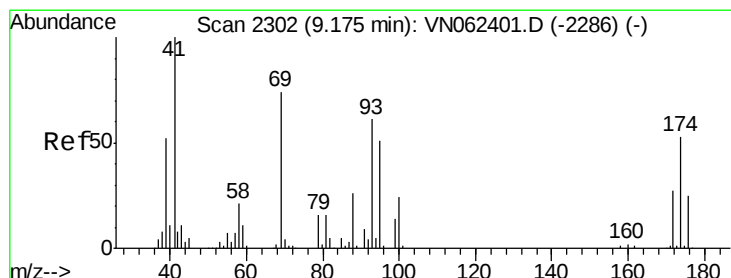
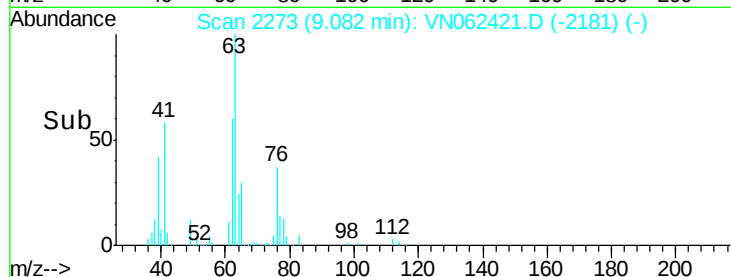
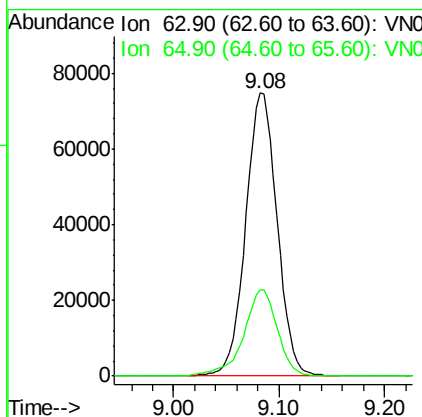
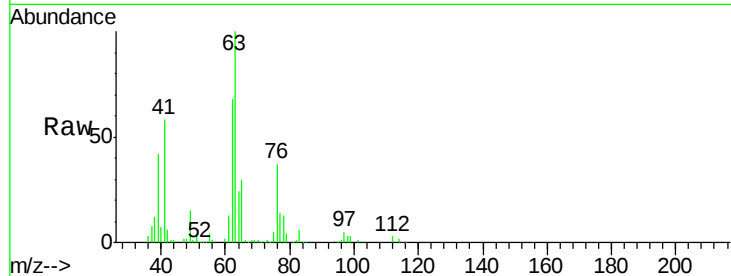
#45
 1,2-Dichloropropane
 Concen: 52.924 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 155617
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 36.8

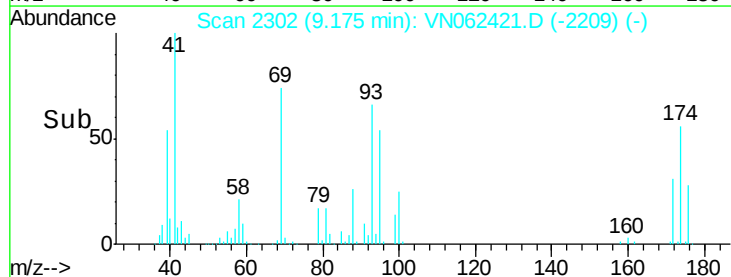
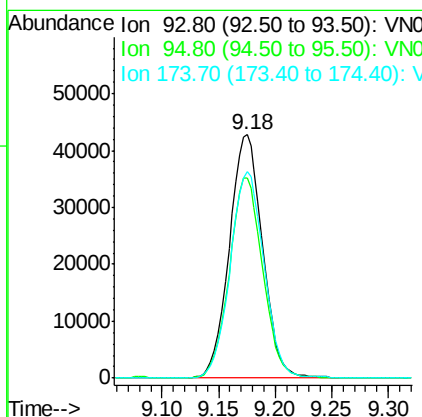
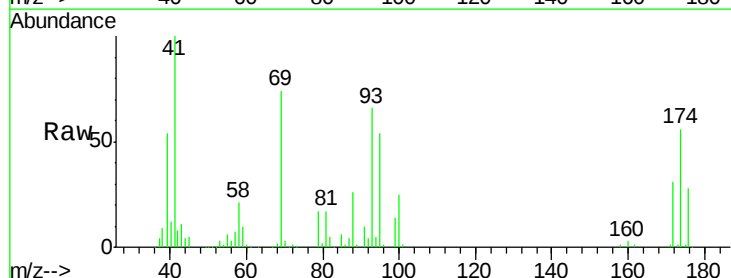
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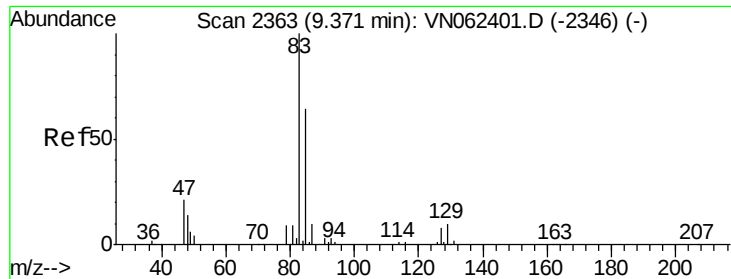
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#46
 Dibromomethane
 Concen: 52.711 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Tgt Ion: 93 Resp: 87465
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.1 100.7
 174 86.5 70.4 105.6





#47

Bromodichloromethane

Concen: 52.876 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Instrument :

MSVOA_N

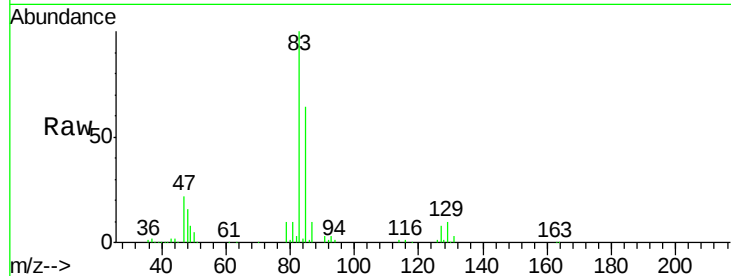
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	187581
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.2	76.8
127	7.7	6.2	9.2

Manual Integrations
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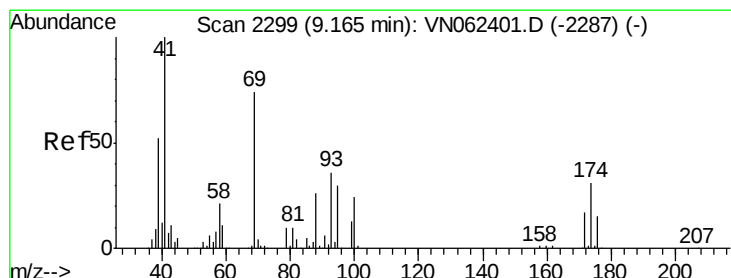
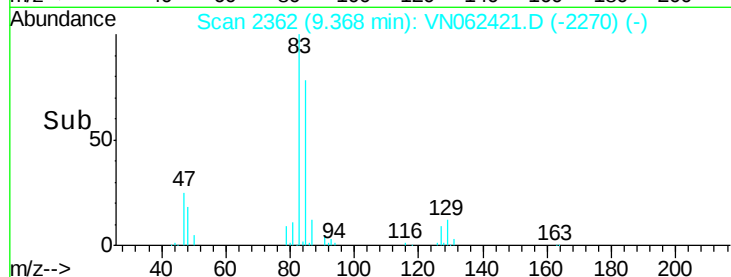
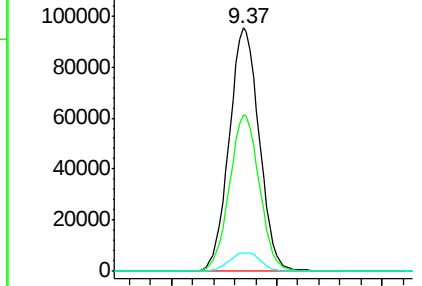
MMDadoda
7/9/2020 10:58:40 AM



Abundance Ion 82.90 (82.60 to 83.60): VN062421.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062421.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062421.D (-2270) (-)



#48

Methyl methacrylate

Concen: 51.652 ug/l

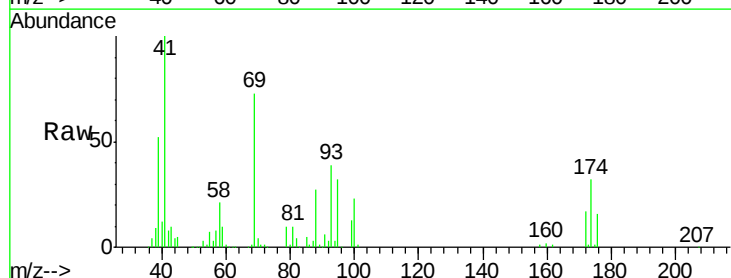
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

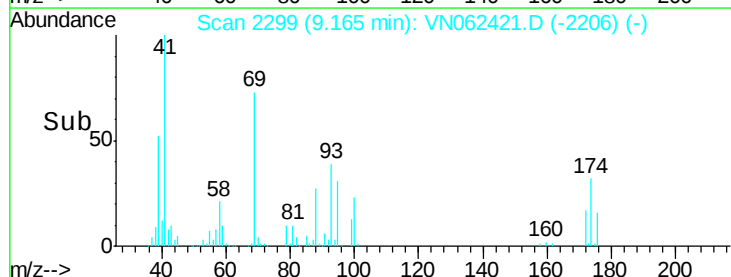
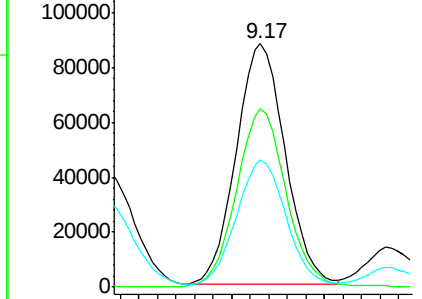
Tgt Ion:	41	Resp:	160847
Ion Ratio	Lower	Upper	
41	100		
69	76.1	60.8	91.2
39	54.4	43.5	65.3

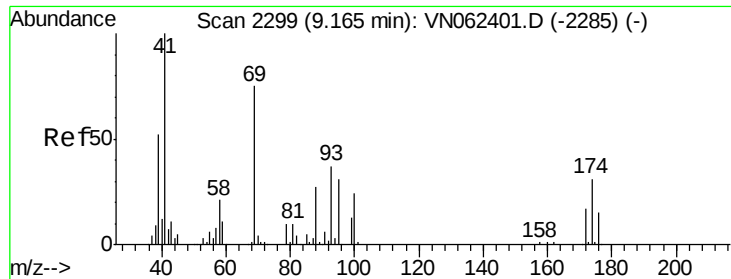


Abundance Ion 41.00 (40.70 to 41.70): VN062421.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062421.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062421.D (-2206) (-)





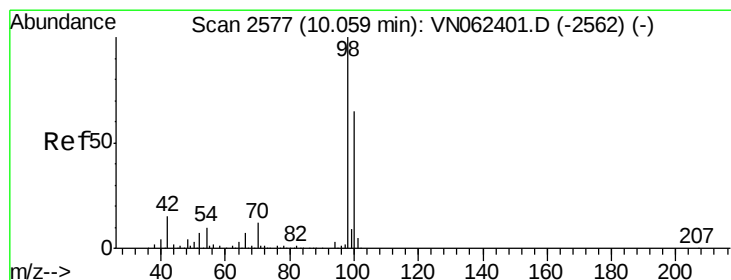
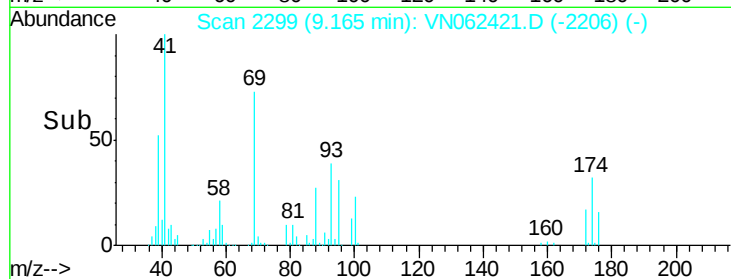
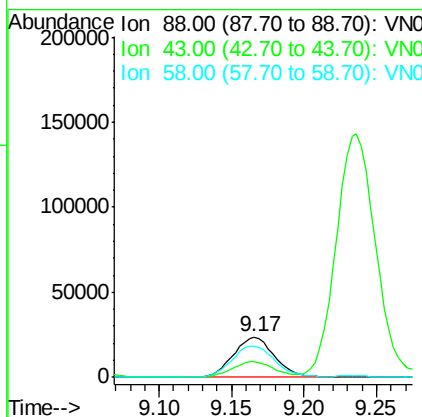
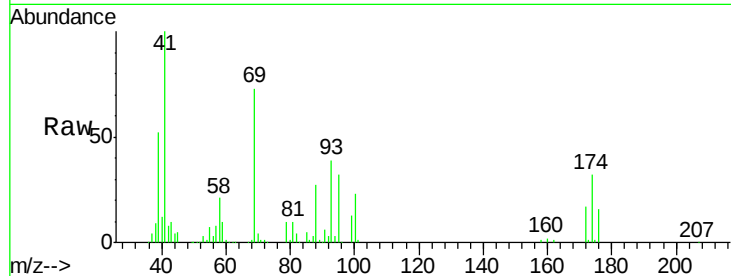
#49
1,4-Dioxane
Concen: 1042.109 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.1	31.0	46.4
58	80.4	63.3	94.9

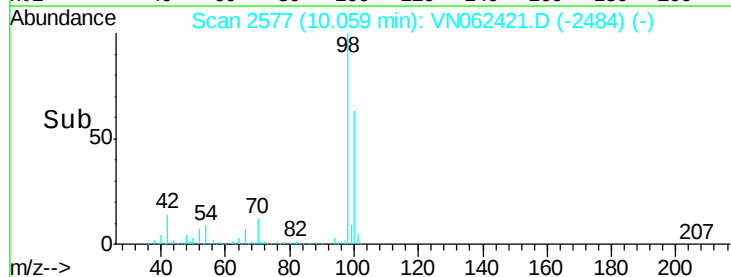
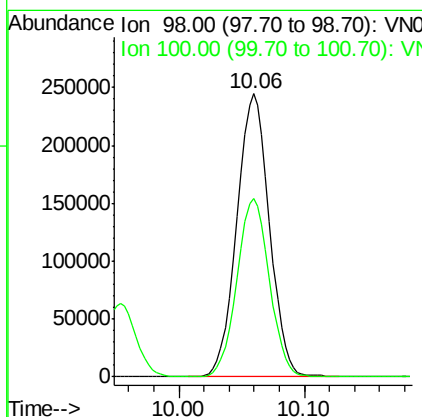
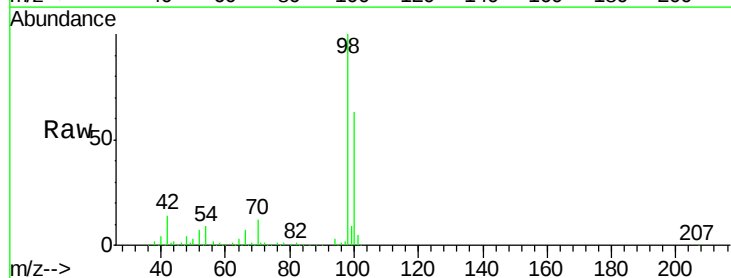
Manual Integrations
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#50
Toluene-d8
Concen: 53.081 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 260.858 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 989101

Ion Ratio Lower Upper

43 100

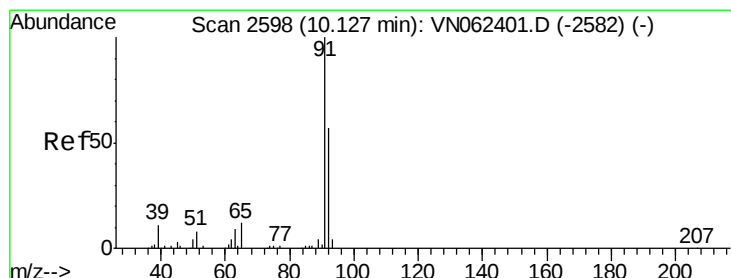
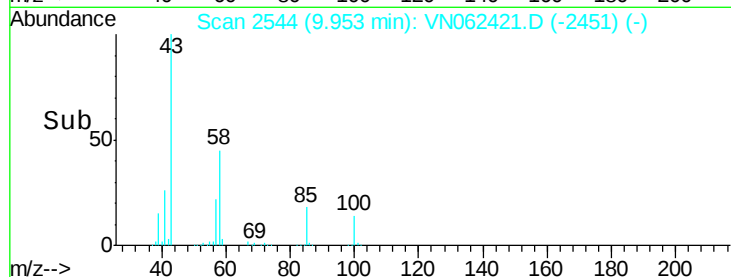
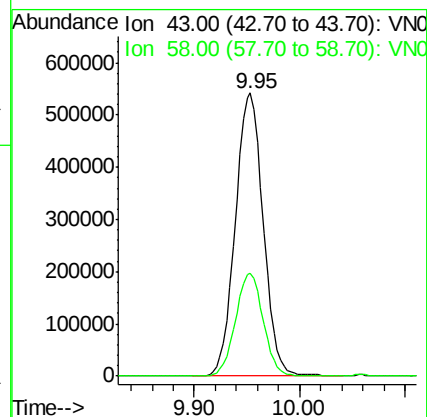
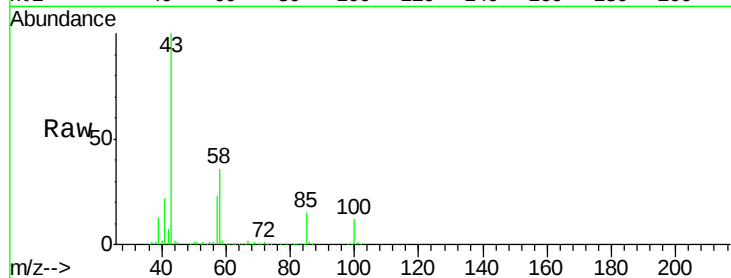
58 36.2 29.0 43.6

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 54.124 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062421.D

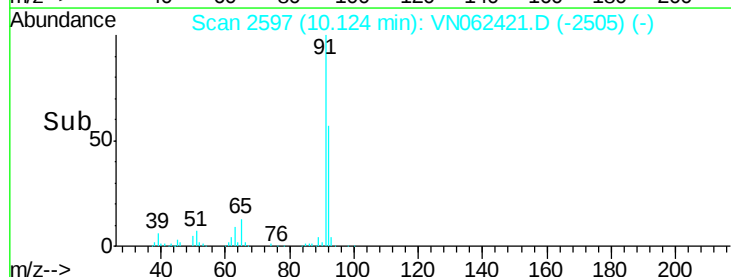
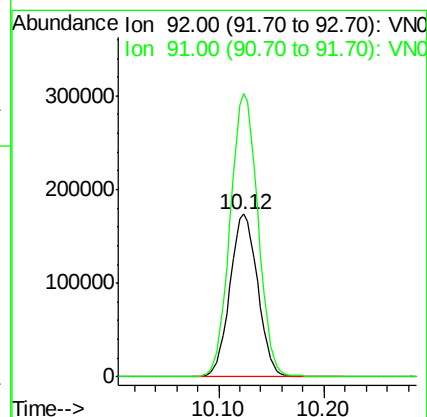
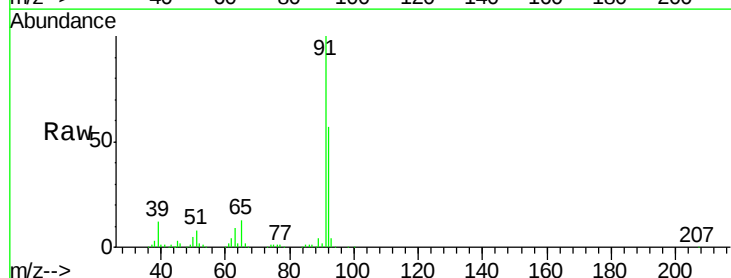
Acq: 8 Jul 2020 21:33

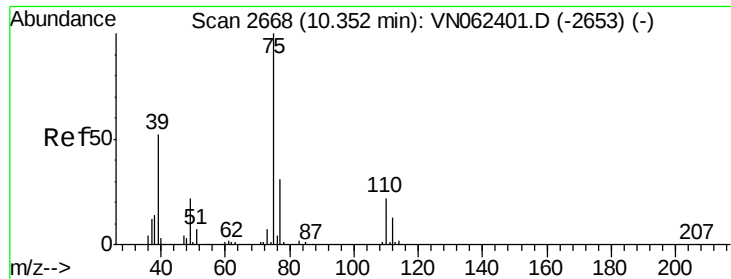
Tgt Ion: 92 Resp: 316658

Ion Ratio Lower Upper

92 100

91 174.3 141.0 211.6





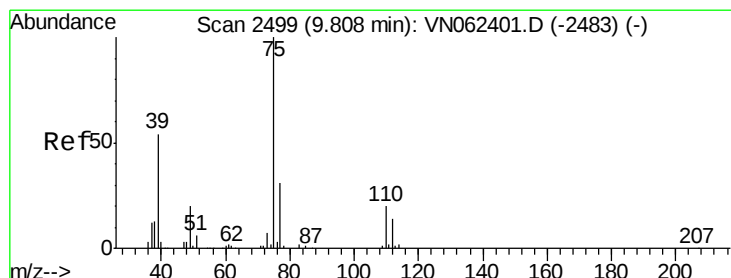
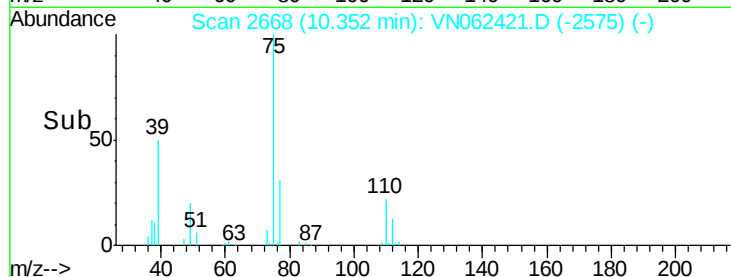
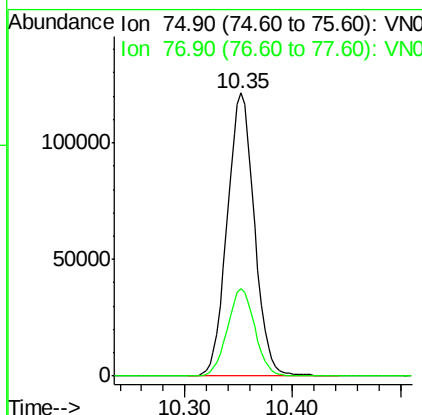
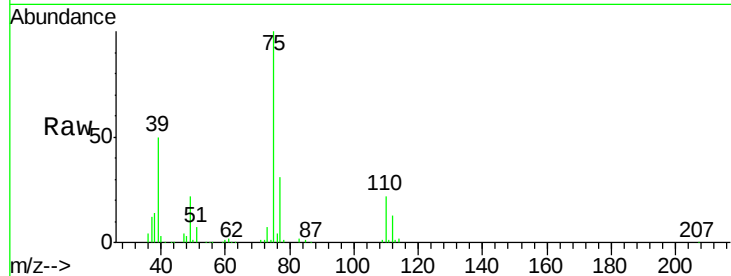
#53
t-1,3-Dichloropropene
Concen: 53.724 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.2	37.8

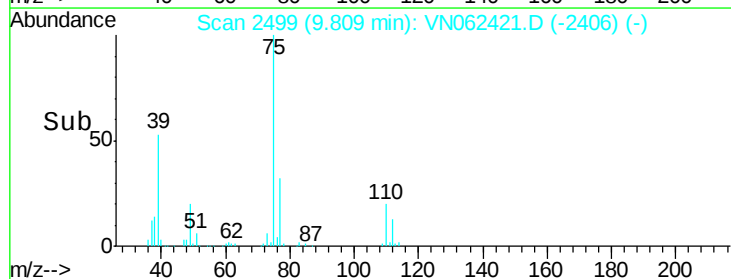
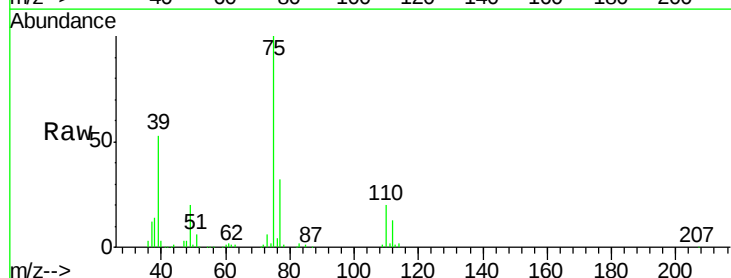
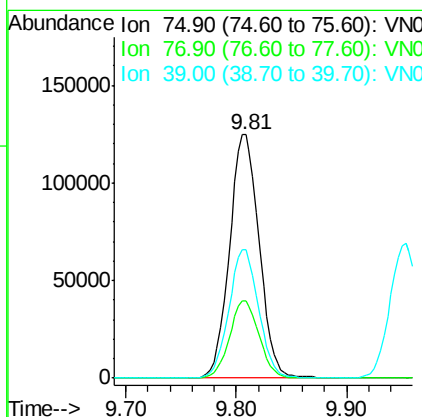
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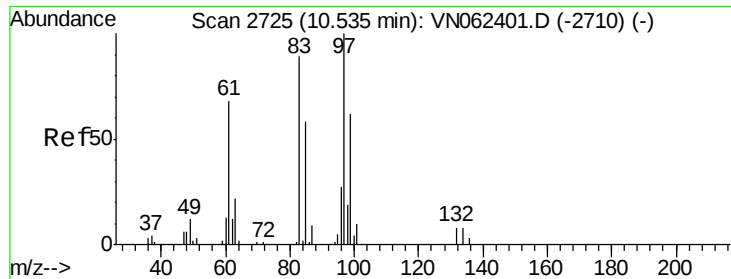
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#54
cis-1,3-Dichloropropene
Concen: 53.011 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.5	36.7
39	52.6	43.4	65.0





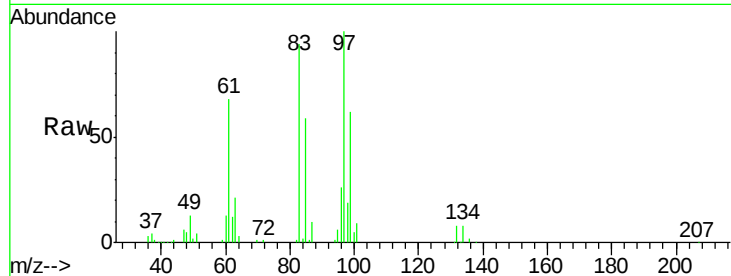
#55
 1,1,2-Trichloroethane
 Concen: 53.312 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

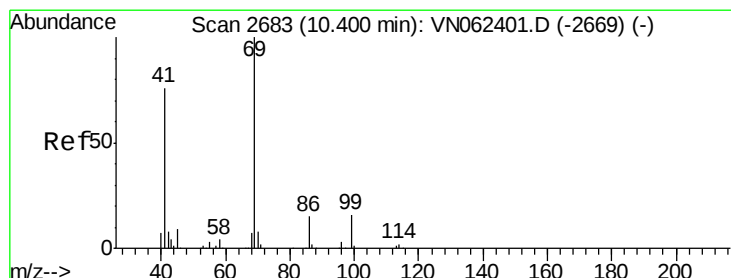
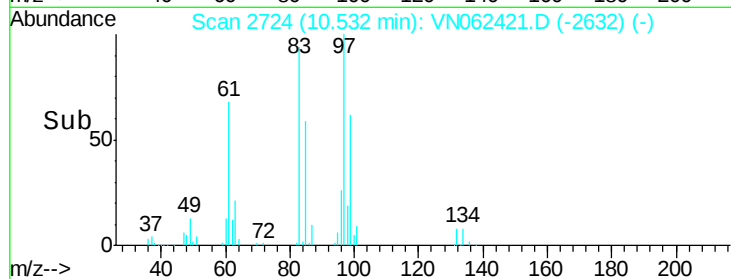
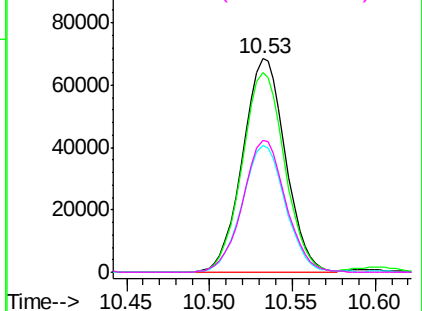
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		122674		
83	93.7	71.0	106.4		
85	59.3	46.2	69.4		
99	61.9	49.7	74.5		

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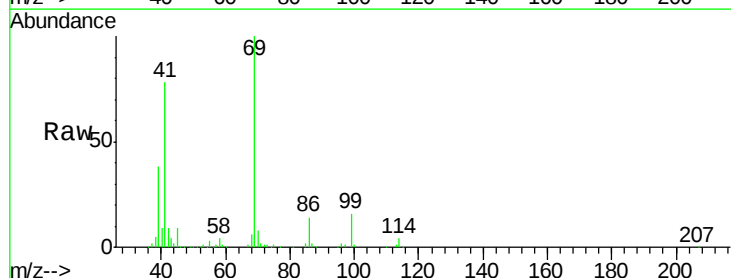


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

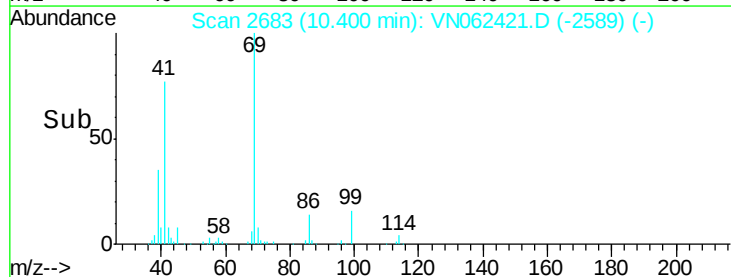
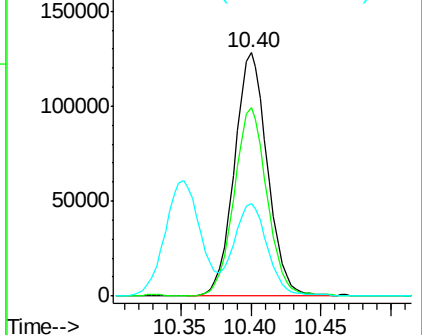


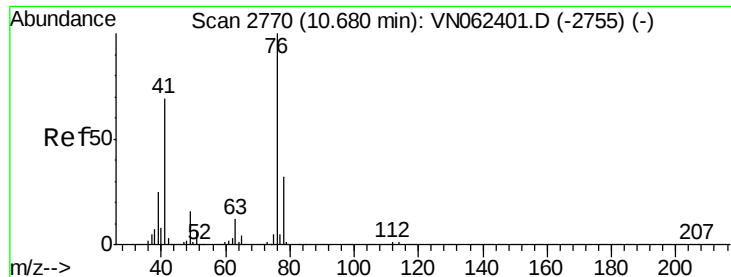
#56
 Ethyl methacrylate
 Concen: 49.733 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		210565		
41	76.2	59.7	89.5		
39	38.4	30.6	45.8		



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





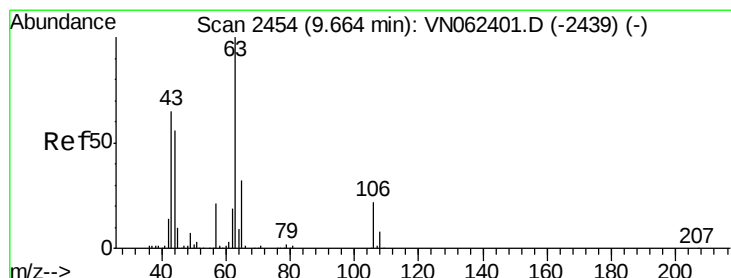
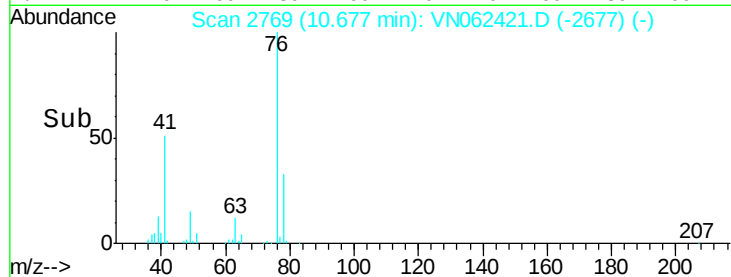
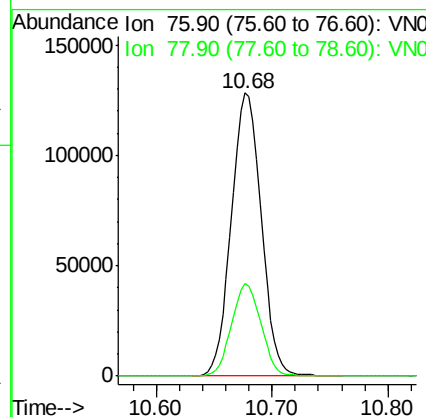
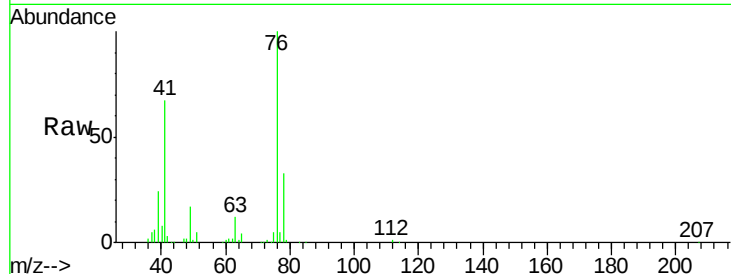
#57
 1,3-Dichloropropane
 Concen: 53.862 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 228977
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4

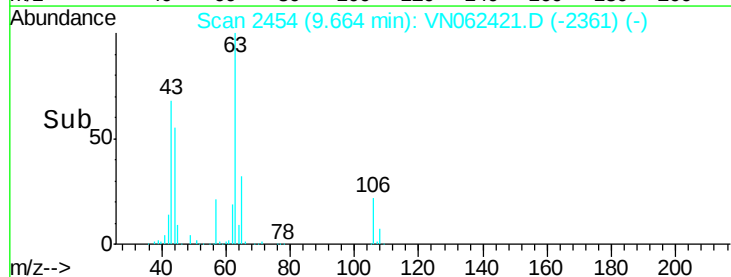
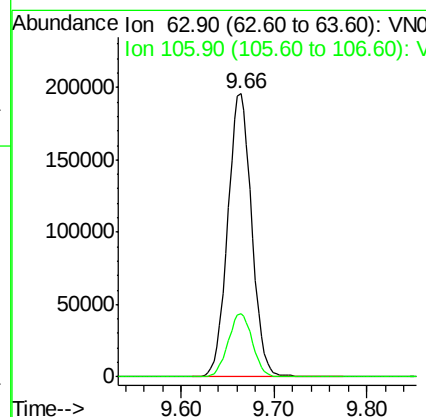
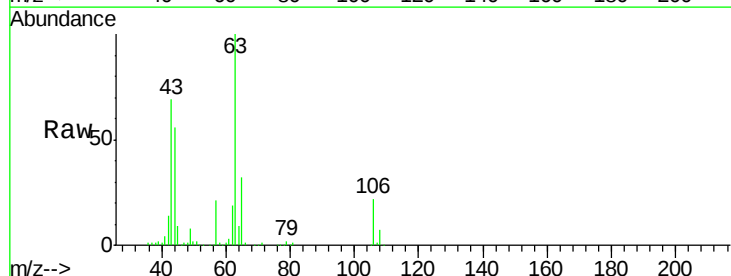
Manual Integrations
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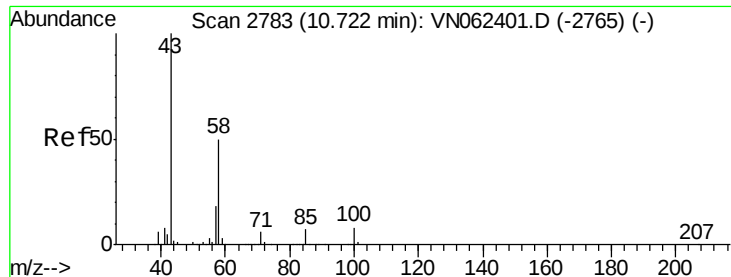
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 256.415 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Tgt Ion: 63 Resp: 350039
 Ion Ratio Lower Upper
 63 100
 106 22.6 17.6 26.4





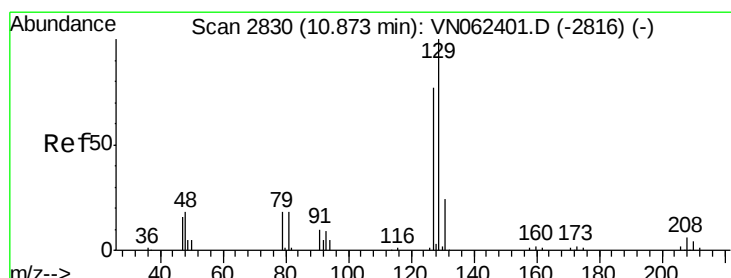
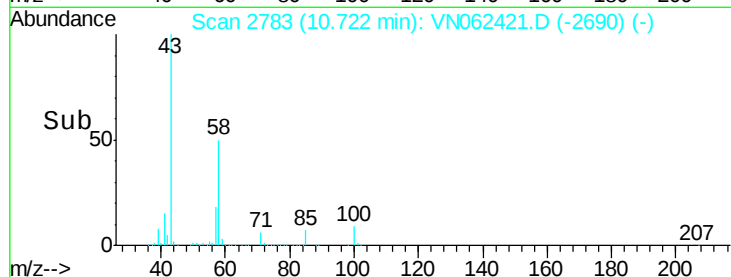
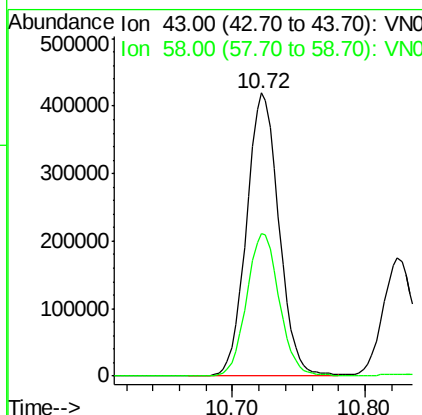
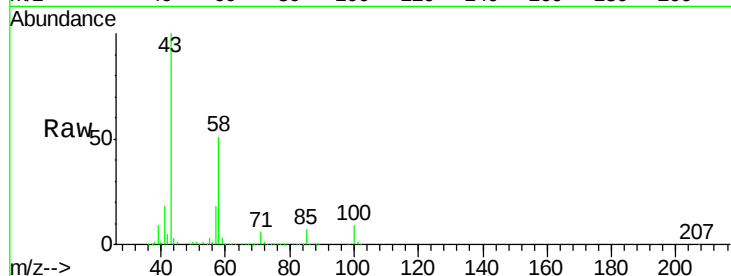
#59
2-Hexanone
Concen: 258.033 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 710283
Ion Ratio Lower Upper
43 100
58 50.9 25.1 75.2

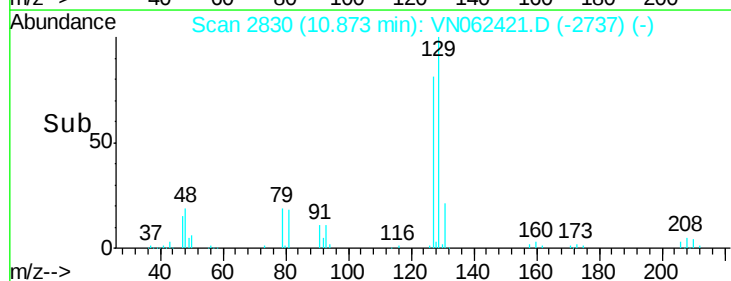
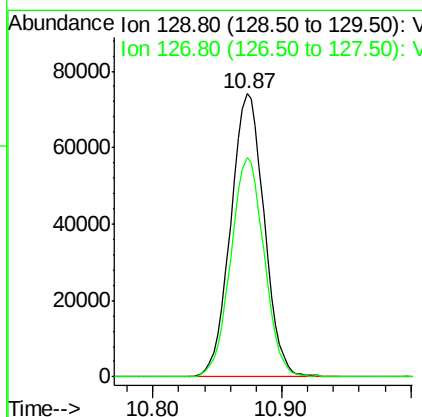
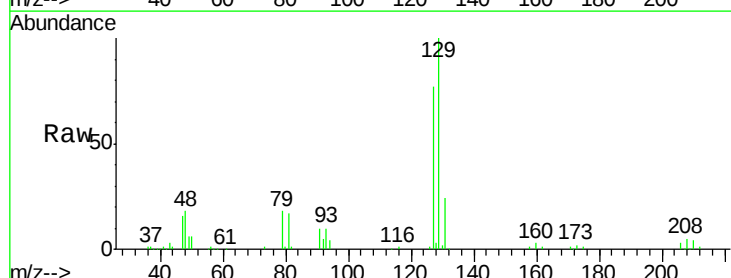
Manual Integrations
APPROVED

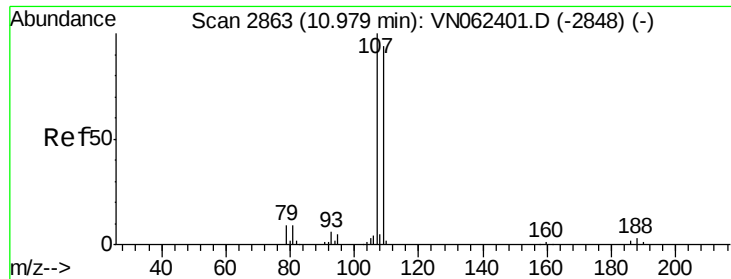
MMDadoda
7/9/2020 10:58:40 AM



#60
Dibromochloromethane
Concen: 53.534 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion: 129 Resp: 133565
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





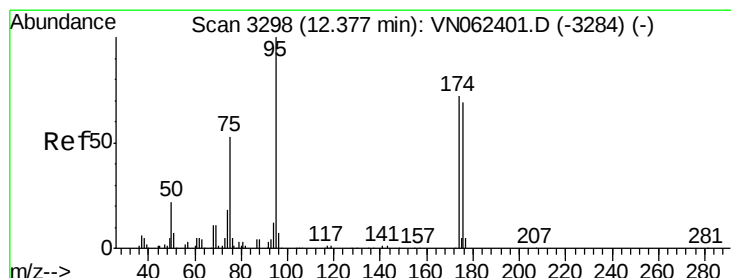
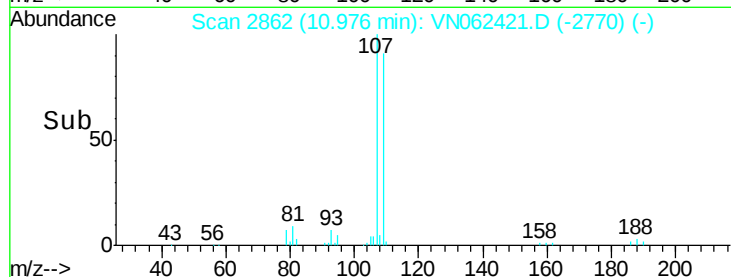
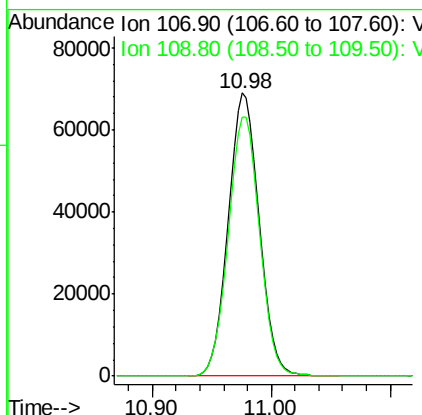
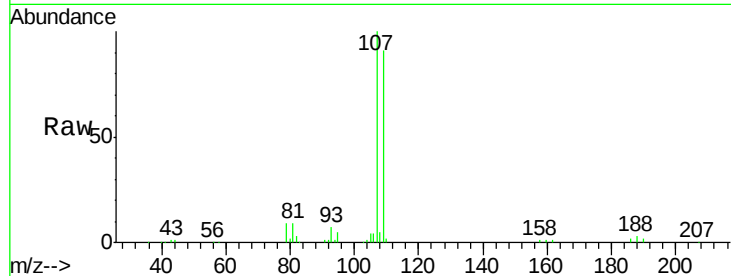
#61
 1,2-Dibromoethane
 Concen: 53.491 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	124251		
109	93.0	75.6	113.4	

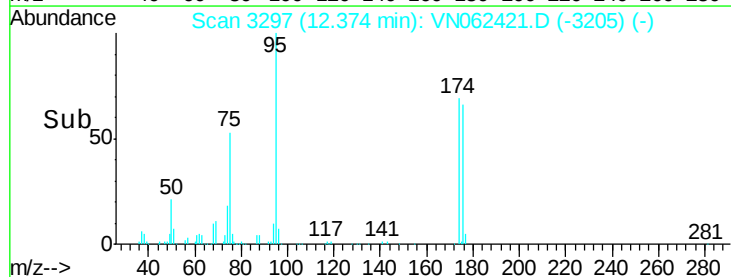
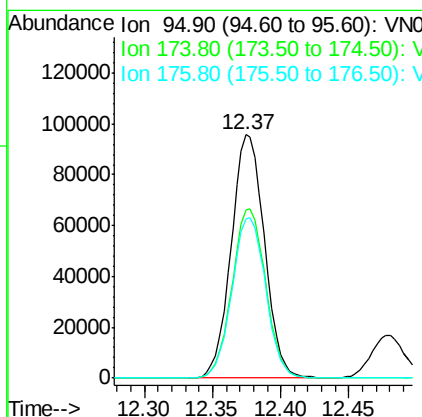
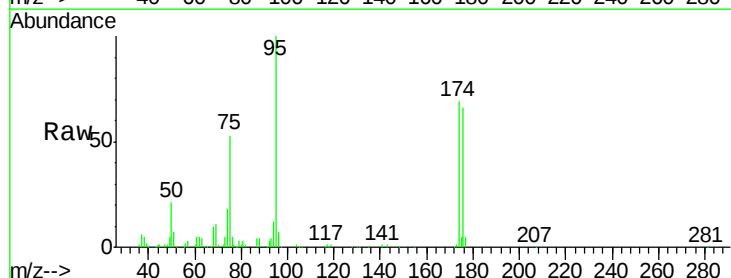
Manual Integrations
 APPROVED

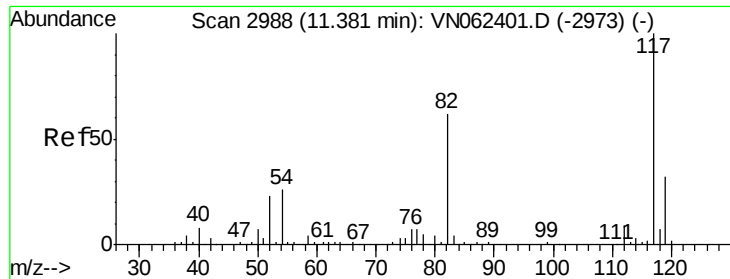
MMDadoda
 7/9/2020 10:58:40 AM



#62
 4-Bromofluorobenzene
 Concen: 53.310 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	162164		
174	70.3	0.0	141.6	
176	67.0	0.0	137.2	





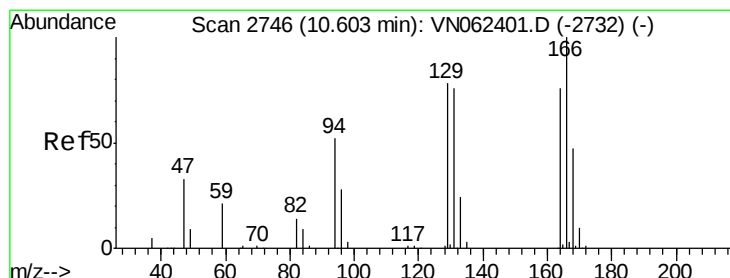
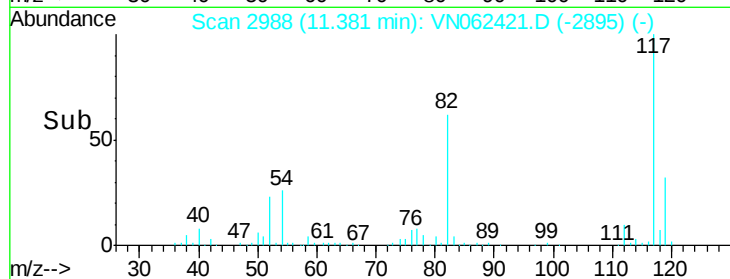
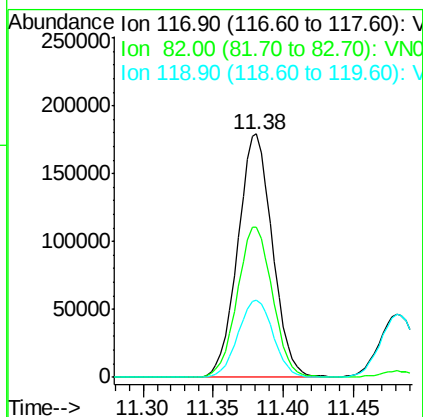
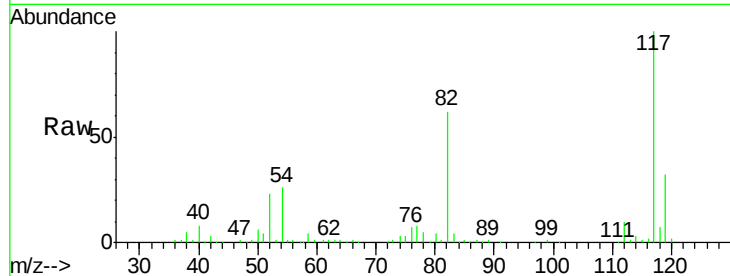
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	49.6	74.4
119	31.8	25.4	38.0

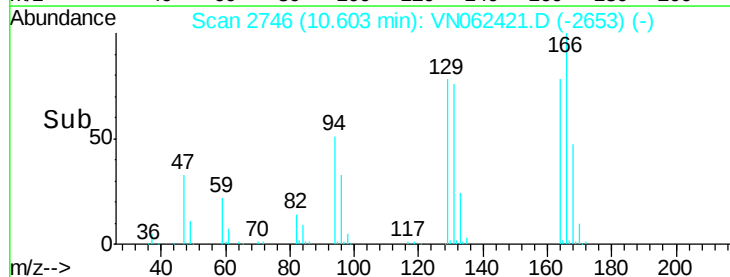
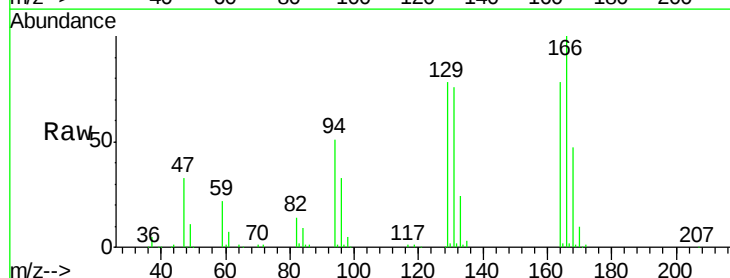
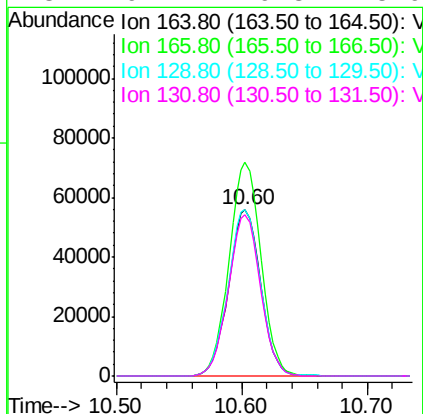
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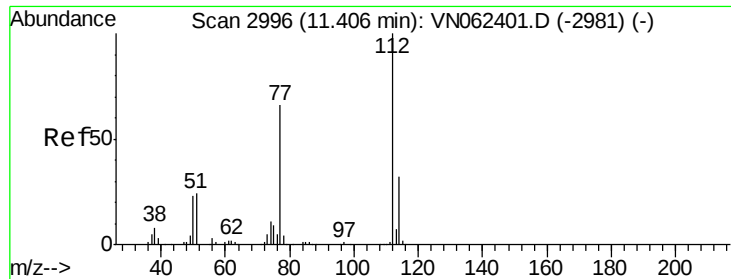
MMDadoda
7/9/2020 10:58:40 AM



#64
Tetrachloroethene
Concen: 54.120 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	104.9	157.3
129	100.4	81.8	122.6
131	97.4	79.3	118.9





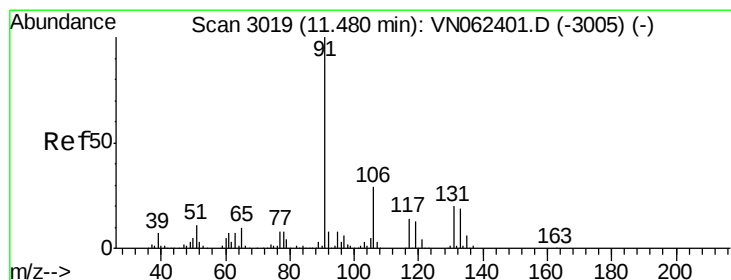
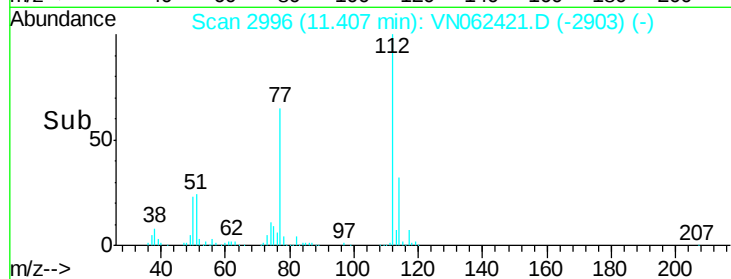
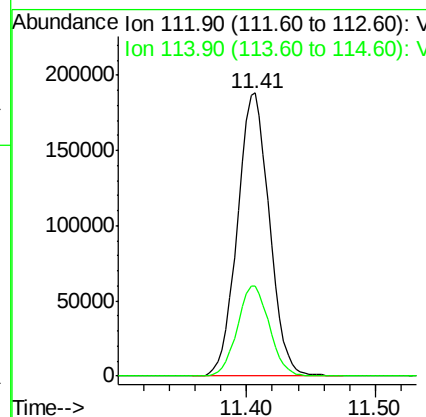
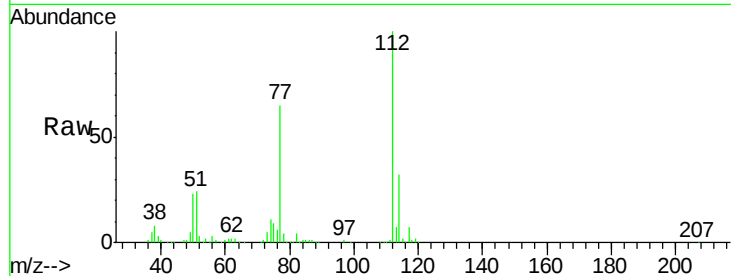
#65
Chlorobenzene
Concen: 54.028 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	323890		
114	31.7	25.9	38.9	

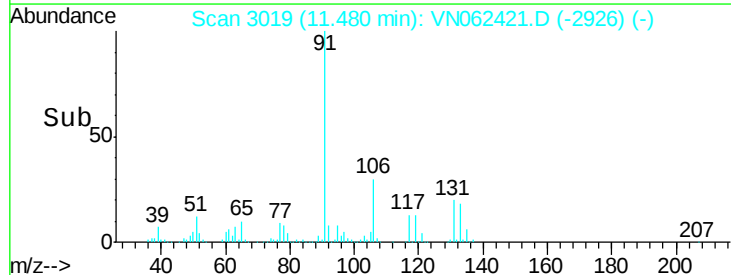
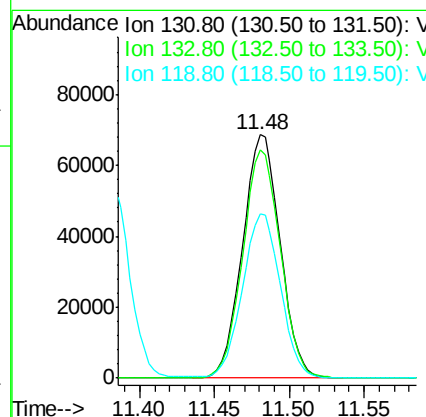
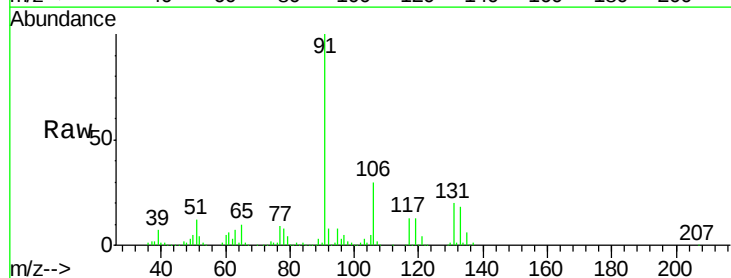
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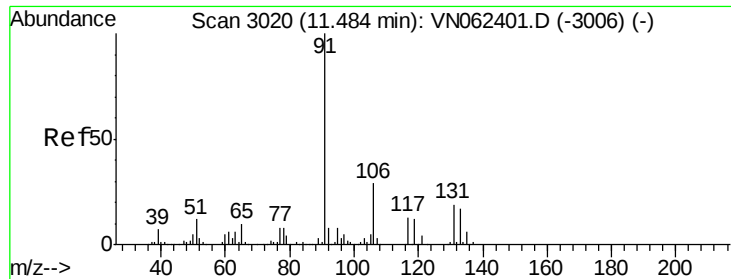
MMDadoda
7/9/2020 10:58:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.366 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	120187		
133	93.9	46.9	140.8	
119	68.2	33.2	99.6	





#67

Ethyl Benzene

Concen: 54.723 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 615790

Ion Ratio Lower Upper

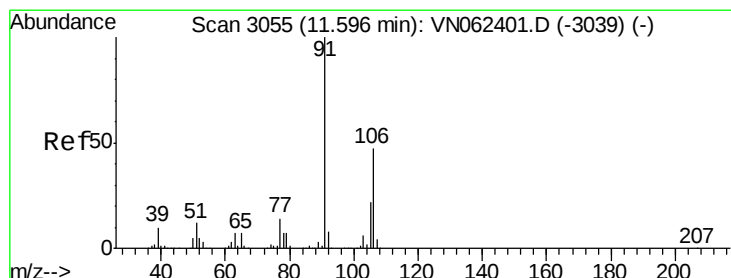
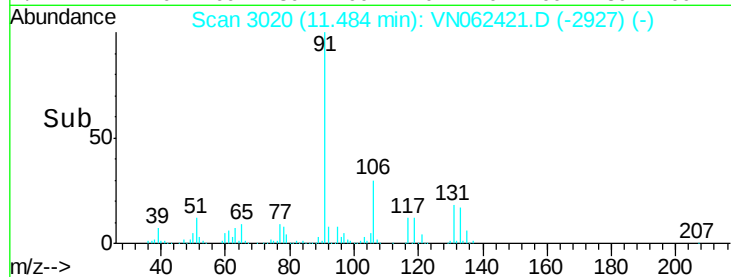
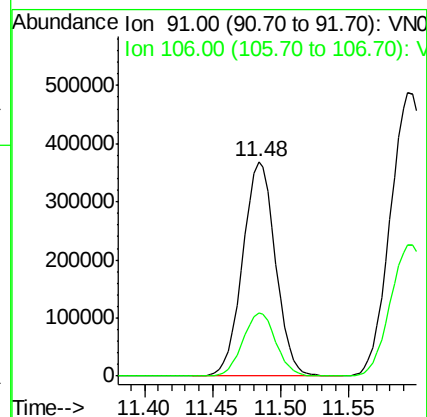
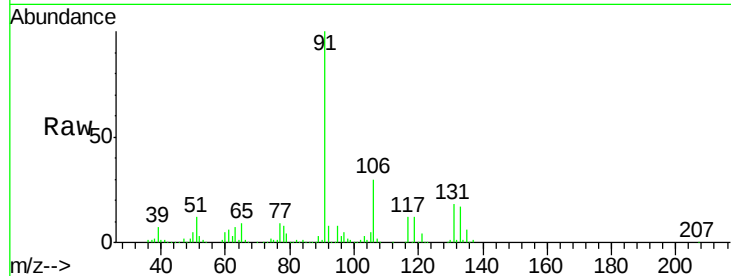
91 100

106 29.7 23.4 35.2

Manual Integrations
APPROVED

MMDadoda

7/9/2020 10:58:40 AM



#68

m/p-Xylenes

Concen: 112.186 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062421.D

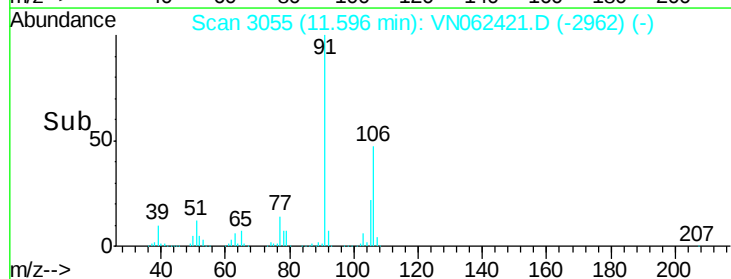
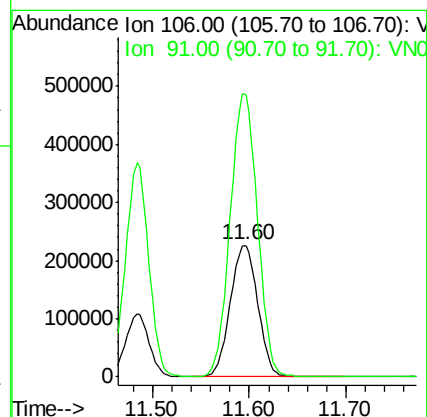
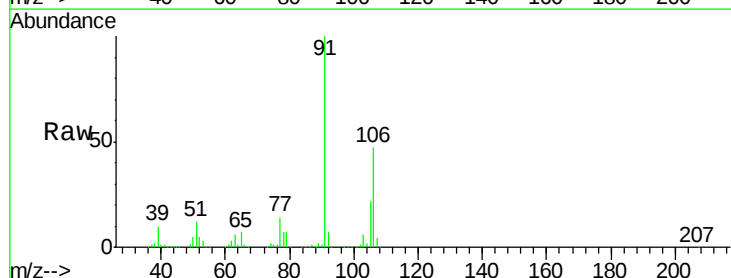
Acq: 8 Jul 2020 21:33

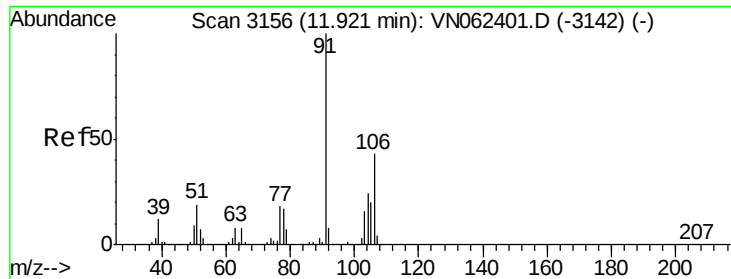
Tgt Ion: 106 Resp: 446901

Ion Ratio Lower Upper

106 100

91 213.3 172.4 258.6





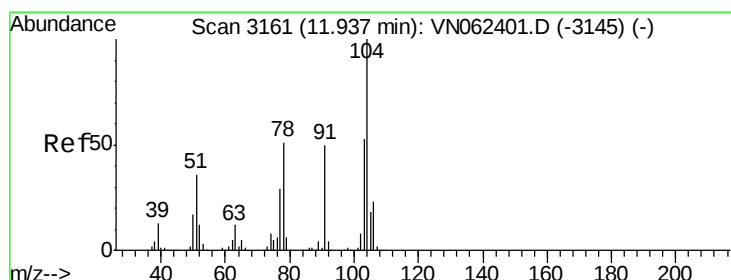
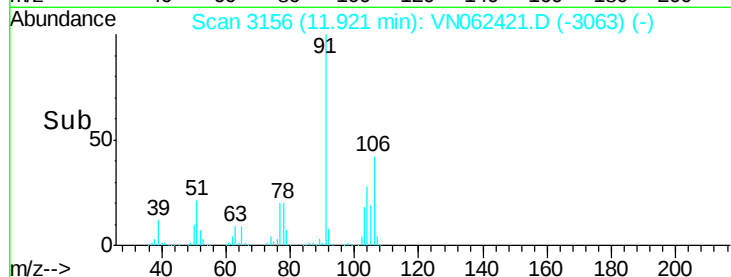
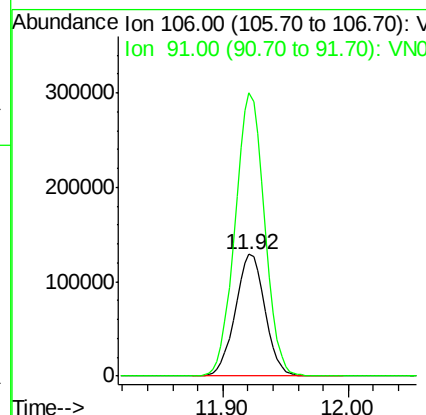
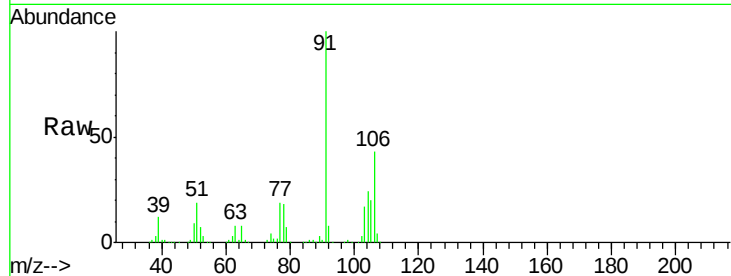
#69
o-Xylene
Concen: 54.763 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
212402	106	100			
	91	230.0	113.8	341.4	

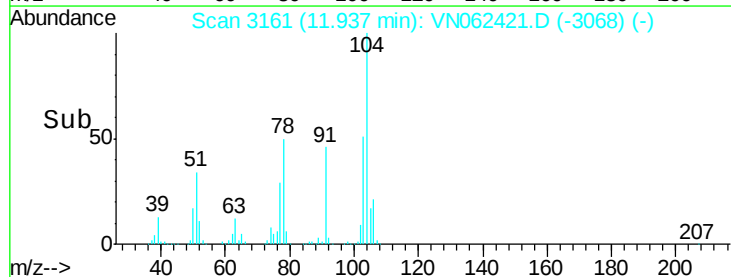
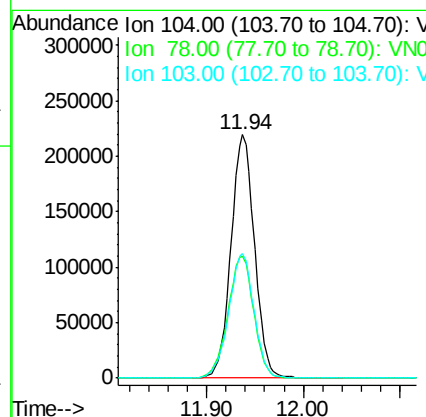
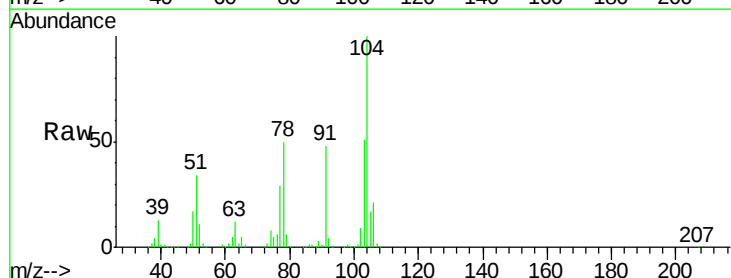
Manual Integrations
APPROVED

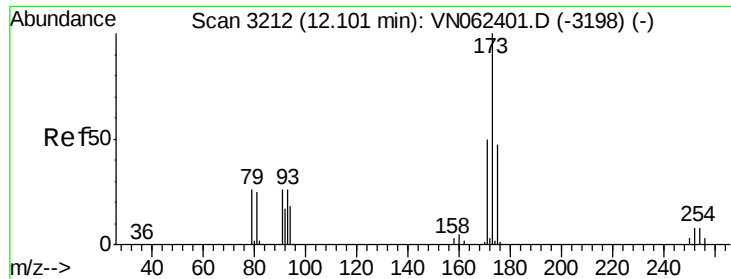
MMDadoda
7/9/2020 10:58:40 AM



#70
Styrene
Concen: 57.897 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
371126	104	100			
	78	55.1	44.2	66.4	
	103	54.7	44.4	66.6	





#71

Bromoform

Concen: 55.559 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 90039

Ion Ratio Lower Upper

173 100

175 48.2 23.7 71.1

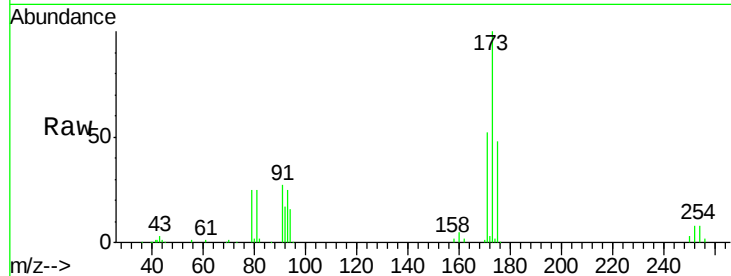
254 0.0 0.0 0.0

Manual Integrations

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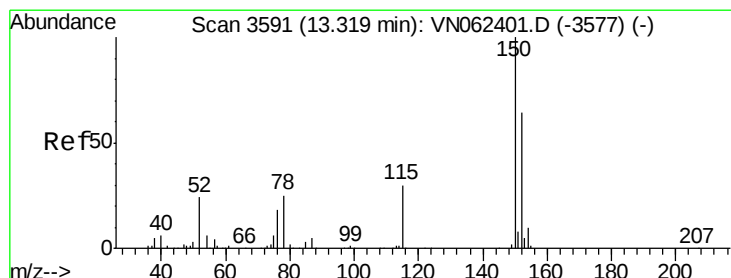
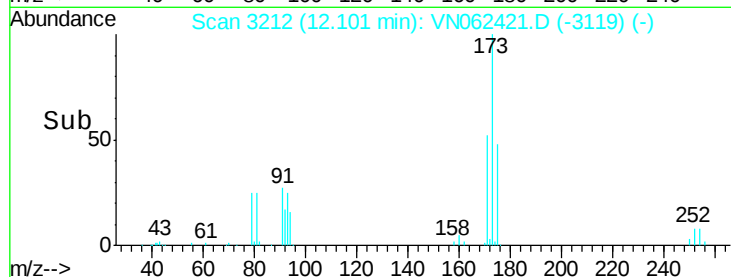
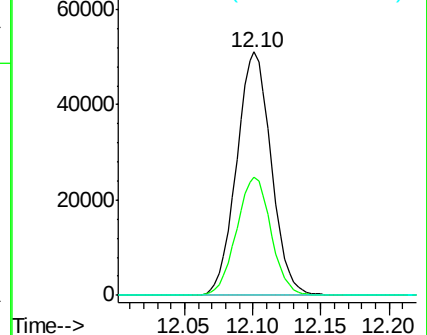
7/9/2020 10:58:40 AM



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: VN062421.D

Acq: 8 Jul 2020 21:33

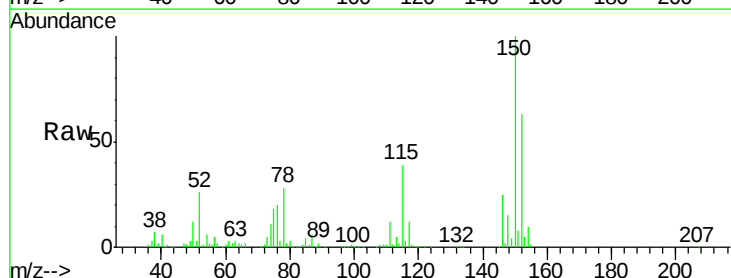
Tgt Ion:152 Resp: 142708

Ion Ratio Lower Upper

152 100

115 63.5 31.4 94.2

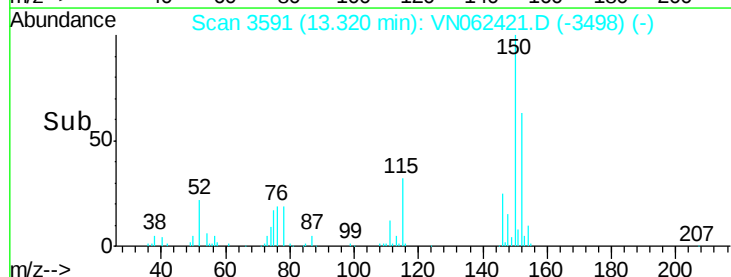
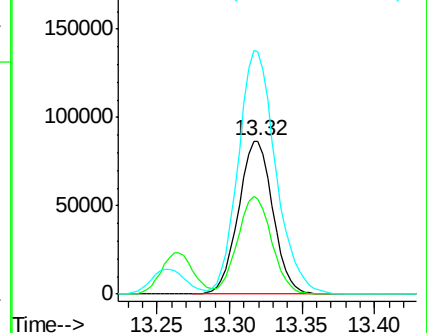
150 173.6 0.0 347.4

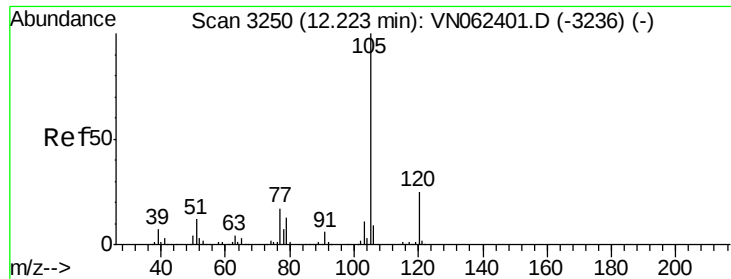


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.526 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 580049

Ion Ratio Lower Upper

105 100

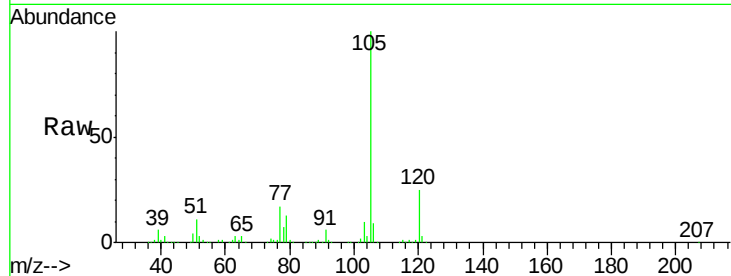
120 25.4 12.7 38.1

Manual Integrations

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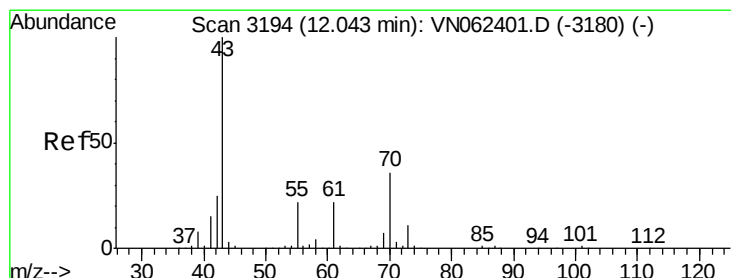
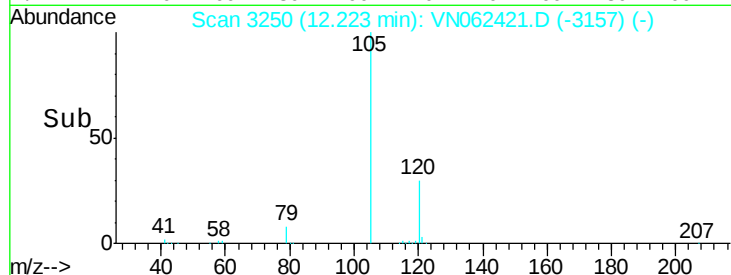
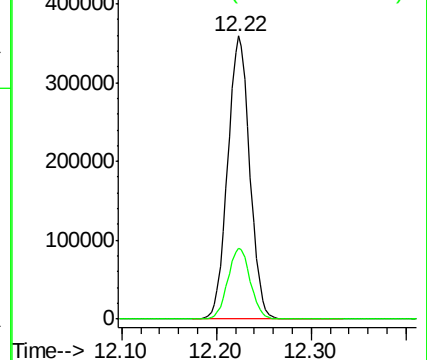
MMDadoda

7/9/2020 10:58:40 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.410 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Tgt Ion: 43 Resp: 292452

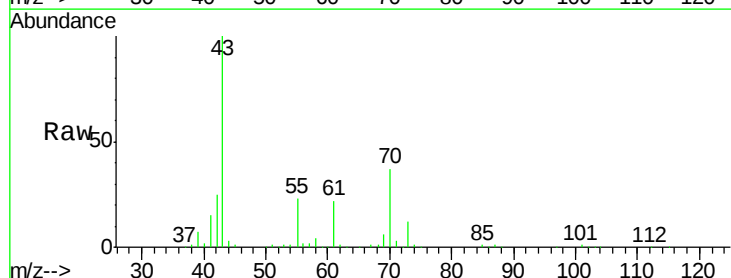
Ion Ratio Lower Upper

43 100

70 36.2 30.0 45.0

55 22.7 18.2 27.4

61 21.9 17.7 26.5

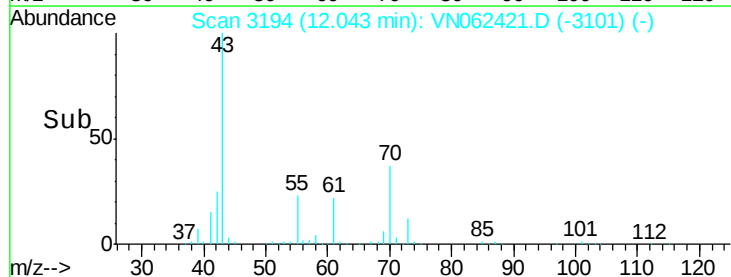
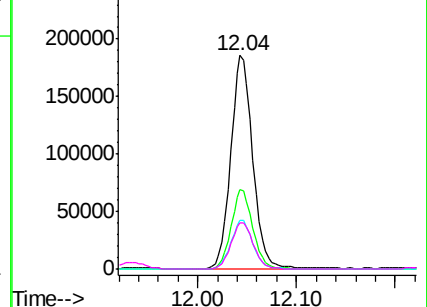


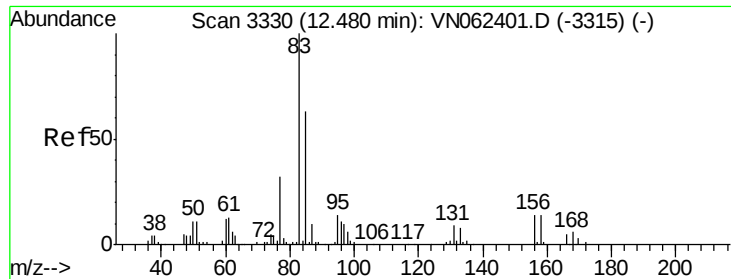
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.651 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Instrument :

MSVOA_N

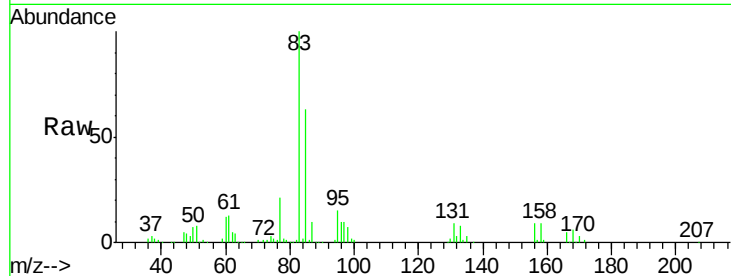
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	188070
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.5	13.5
85	63.1	31.9	95.9

Manual Integrations
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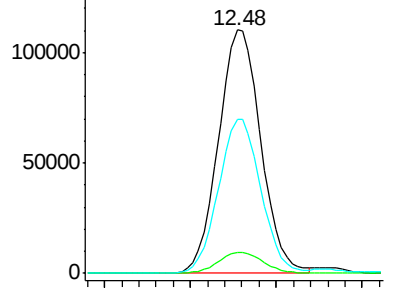
MMDadoda
7/9/2020 10:58:40 AM



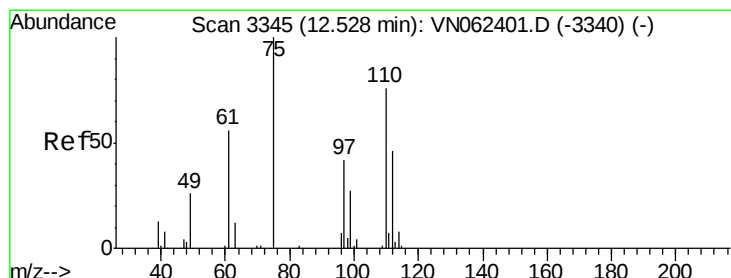
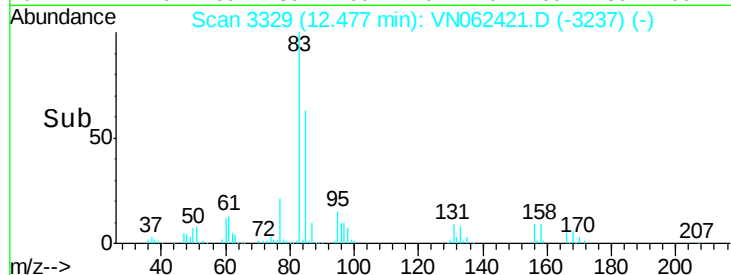
Abundance Ion 82.90 (82.60 to 83.60): VN062401.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN062401.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN062401.D (-3315) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 50.956 ug/l m

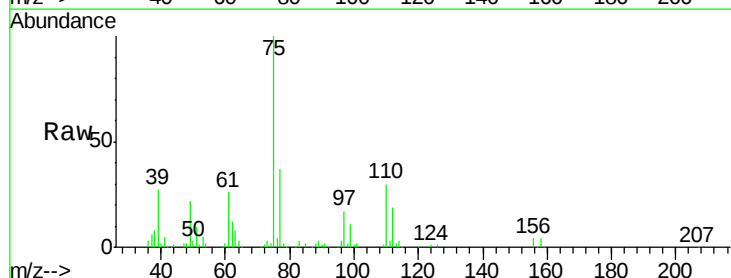
RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062421.D

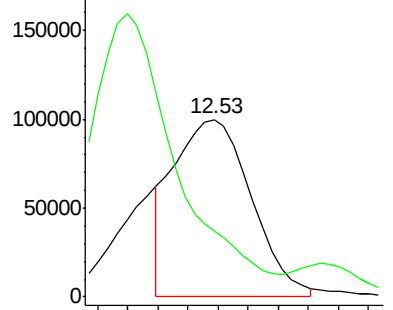
Acq: 8 Jul 2020 21:33

Tgt Ion:	75	Resp:	178426
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

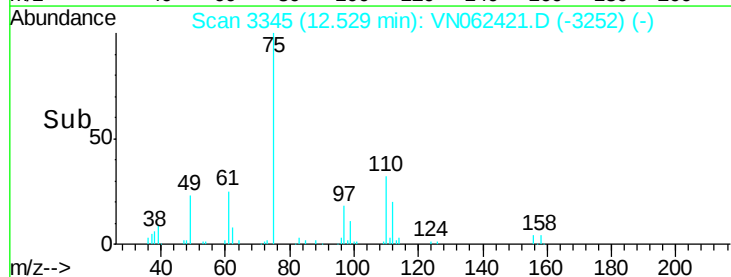


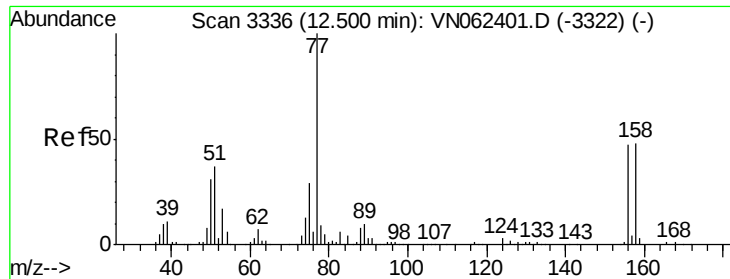
Abundance Ion 74.90 (74.60 to 75.60): VN062401.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN062401.D (-3340) (-)



Time-->





#77

Bromobenzene

Concen: 52.671 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Instrument :

MSVOA_N

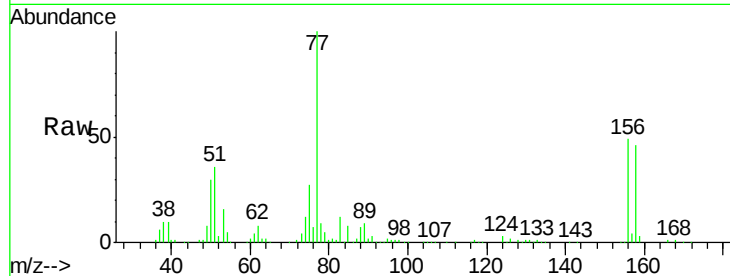
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	132233
Ion Ratio	Lower	Upper	
156	100		
77	247.2	126.4	379.3
158	97.0	49.8	149.4

Manual Integrations
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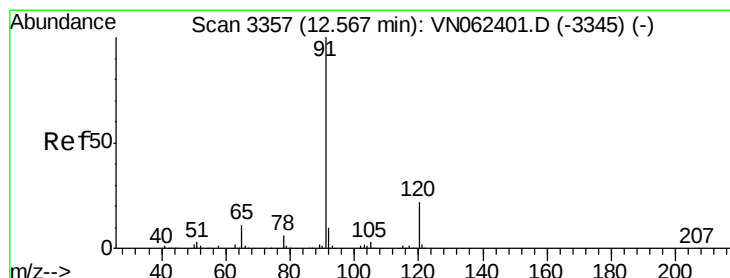
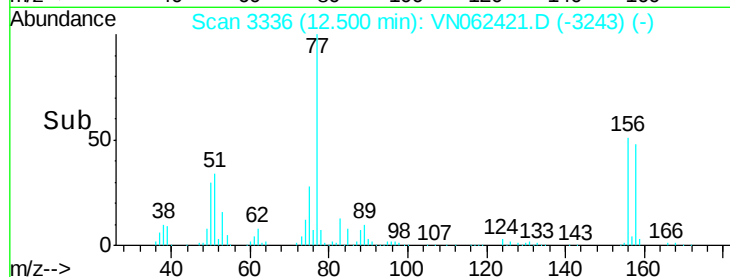
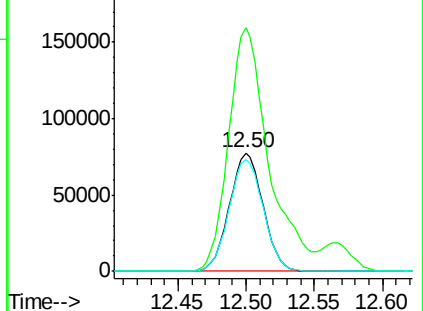
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.156 ug/l

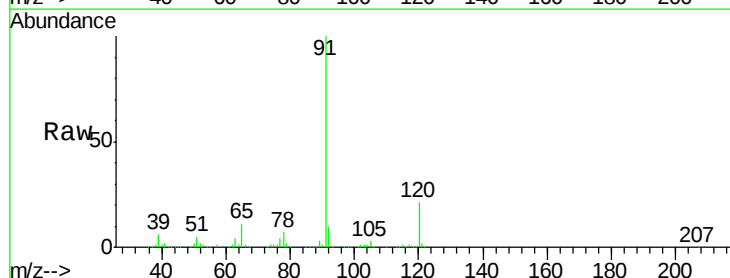
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062421.D

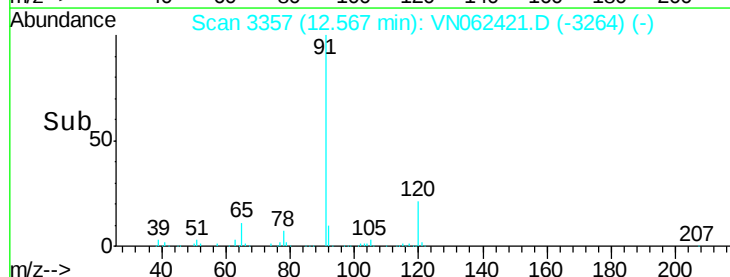
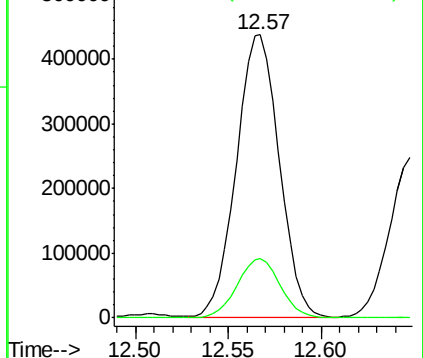
Acq: 8 Jul 2020 21:33

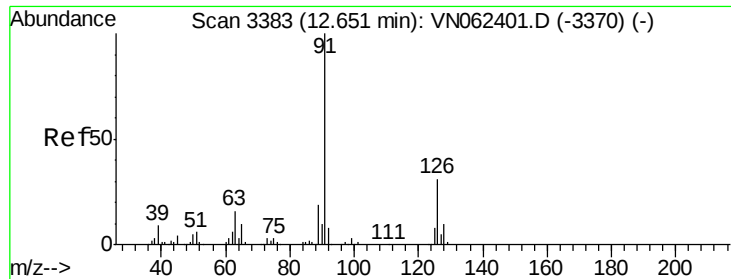
Tgt Ion:	91	Resp:	698587
Ion Ratio	Lower	Upper	
91	100		
120	21.2	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





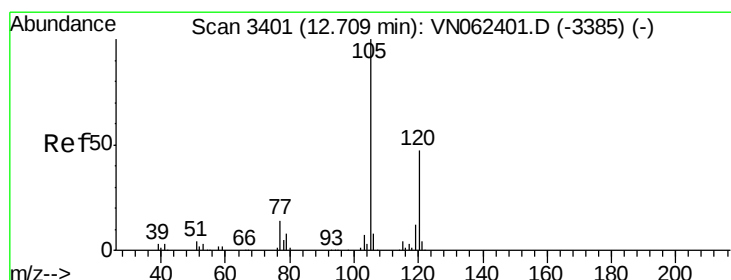
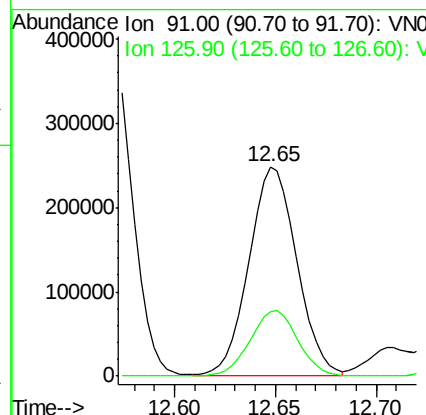
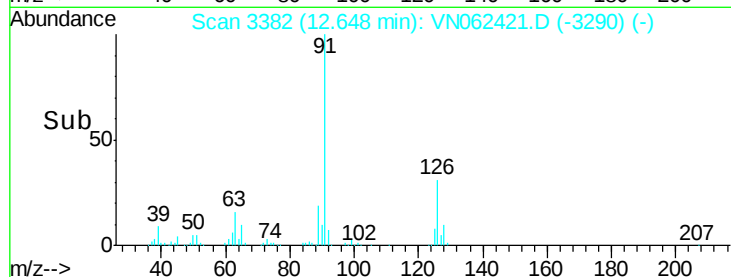
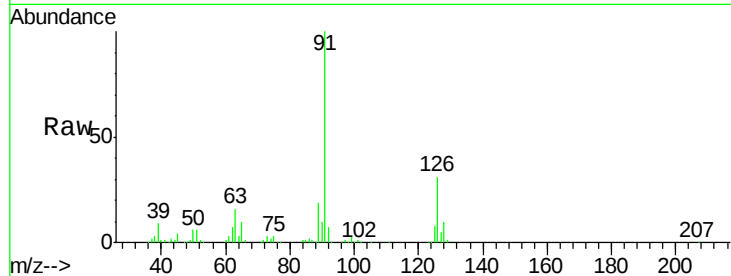
#79
 2-Chlorotoluene
 Concen: 52.310 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 409535
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.6 46.7

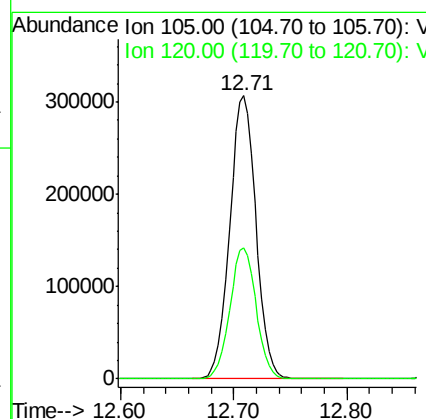
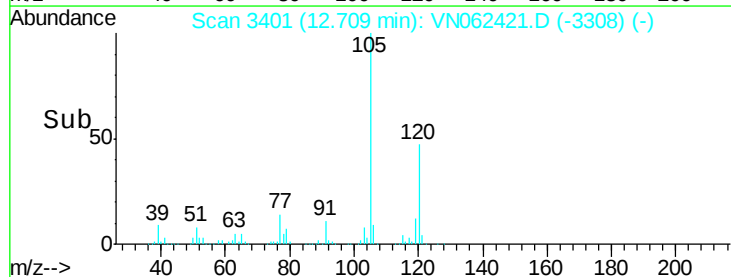
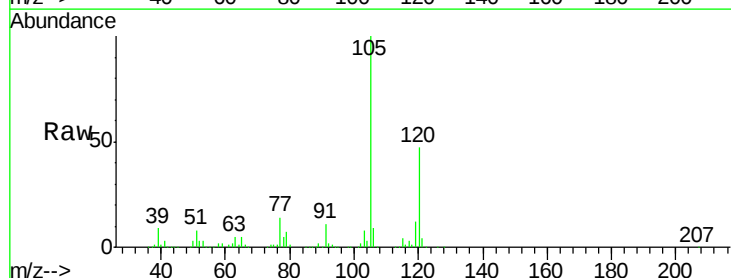
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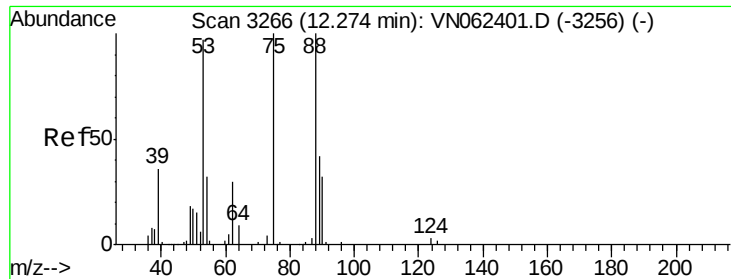
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.441 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Tgt Ion: 105 Resp: 492848
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.264 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 64448

Ion Ratio Lower Upper

75 100

53 97.9 79.2 118.8

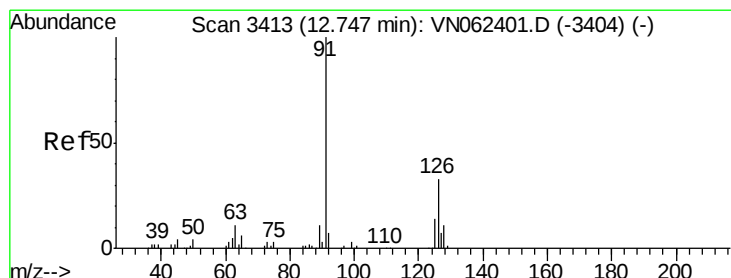
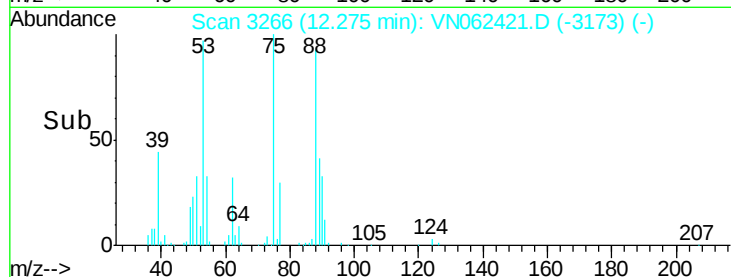
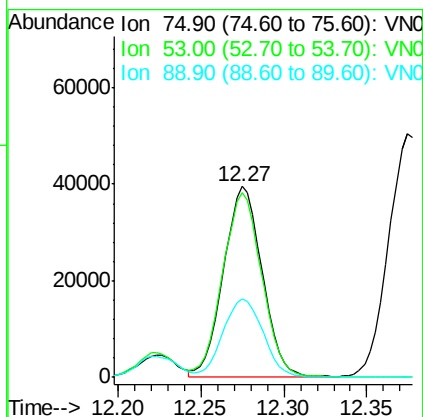
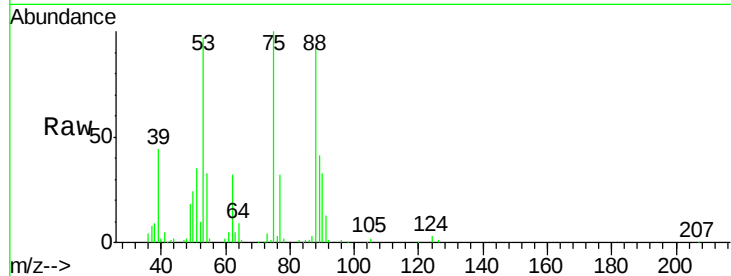
89 42.4 34.6 52.0

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#82

4-Chlorotoluene

Concen: 53.610 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062421.D

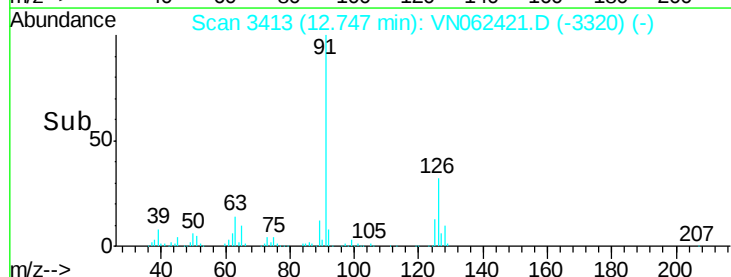
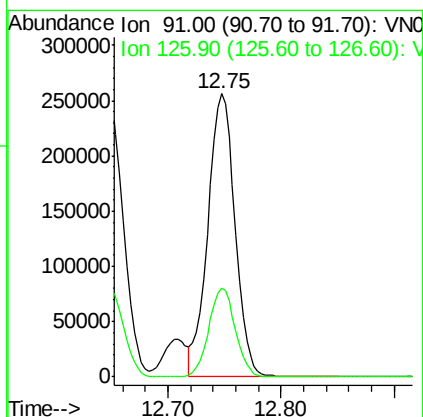
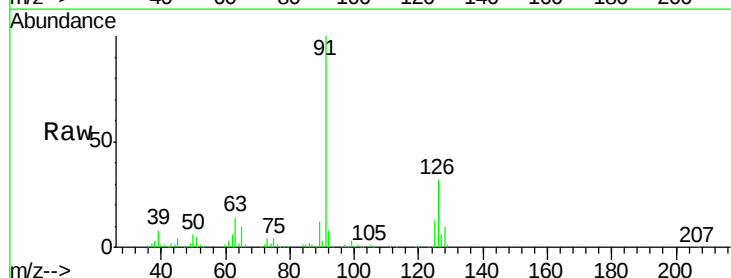
Acq: 8 Jul 2020 21:33

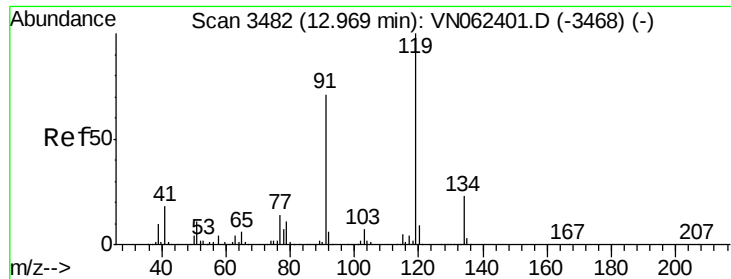
Tgt Ion: 91 Resp: 426100

Ion Ratio Lower Upper

91 100

126 30.8 15.2 45.6





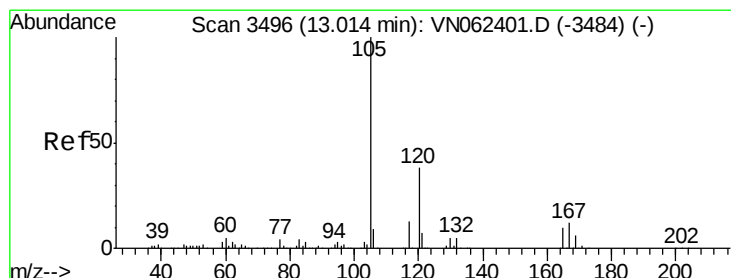
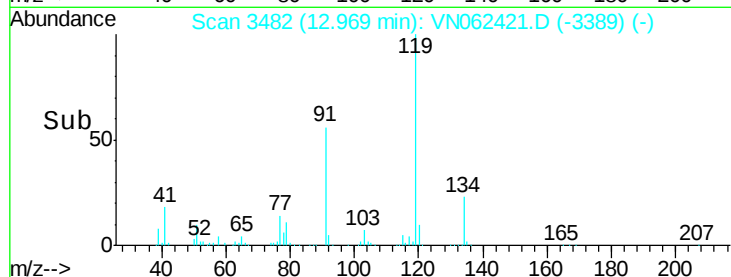
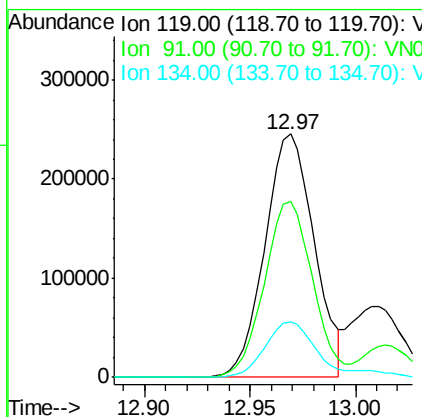
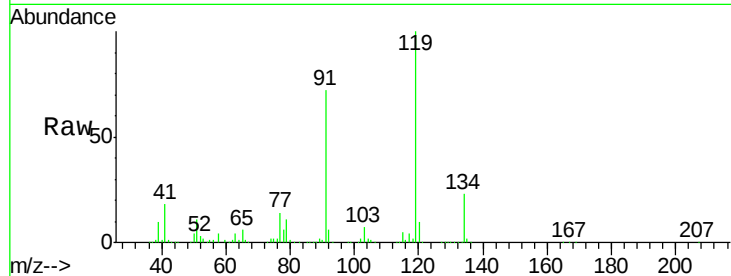
#83
tert-Butylbenzene
Concen: 52.048 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.3	34.8	104.3
134	23.1	11.7	35.0

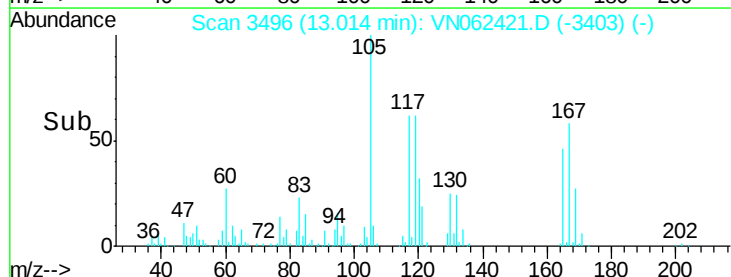
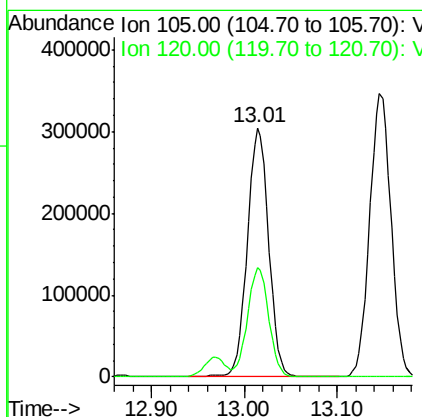
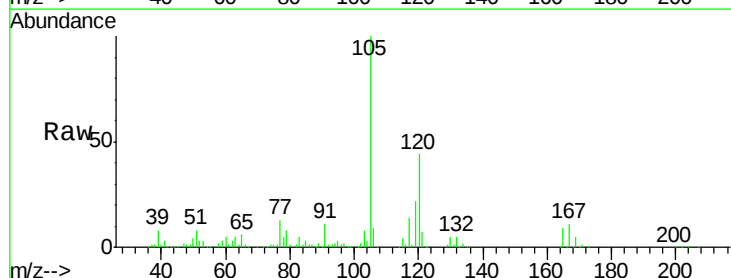
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#84
1,2,4-Trimethylbenzene
Concen: 53.977 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.6	64.8





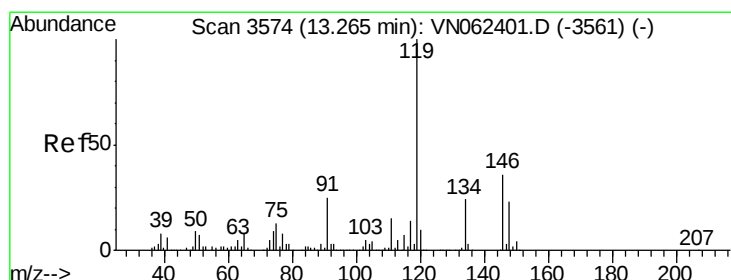
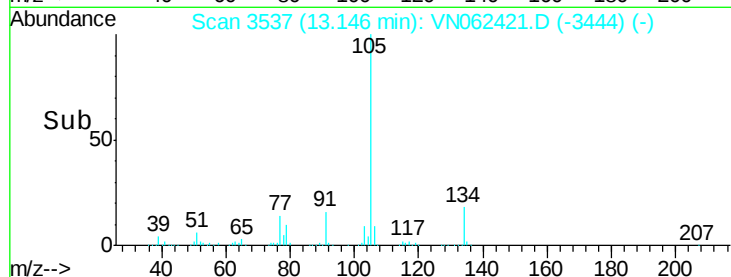
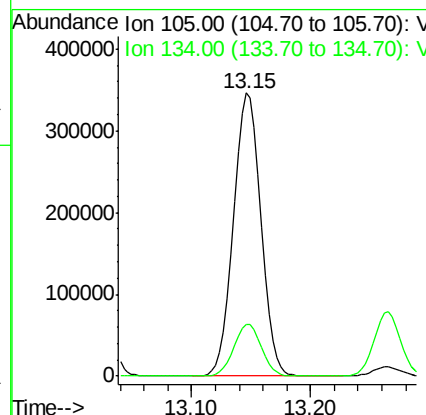
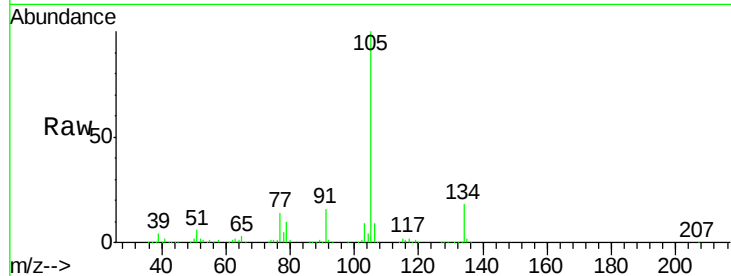
#85
 sec-Butylbenzene
 Concen: 54.401 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	553815		
134	18.3	9.3	28.0	

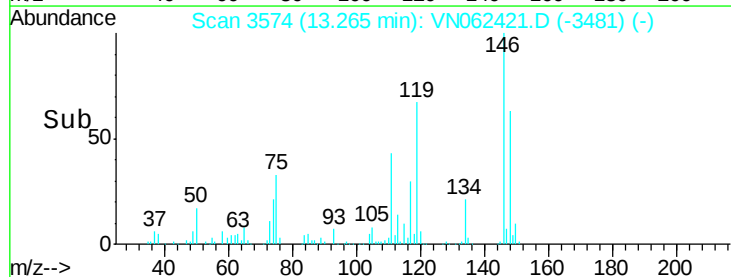
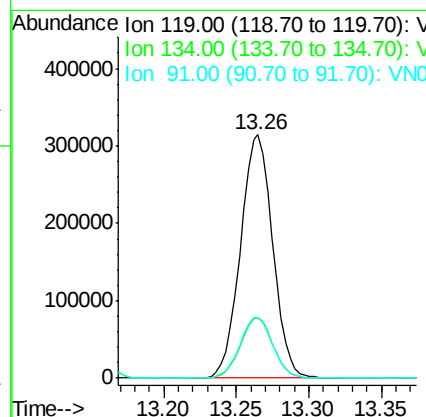
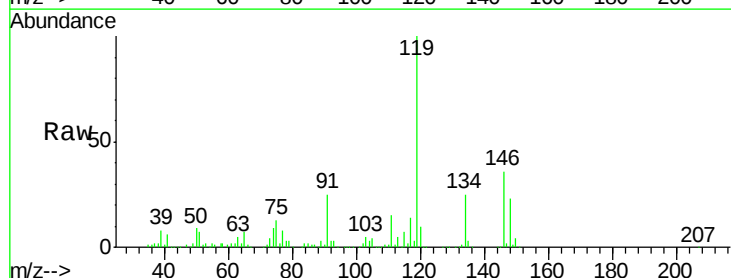
Manual Integrations
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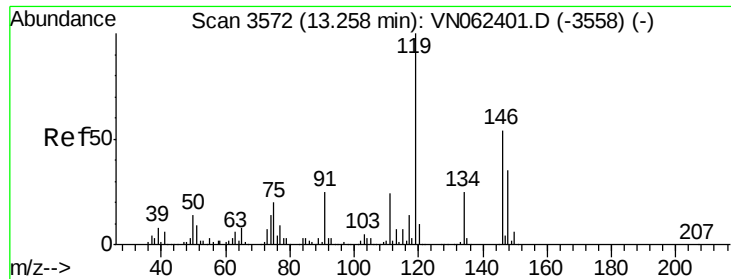
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#86
 p-Isopropyltoluene
 Concen: 55.058 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	483759		
134	25.1	12.4	37.0	
91	25.2	12.4	37.4	





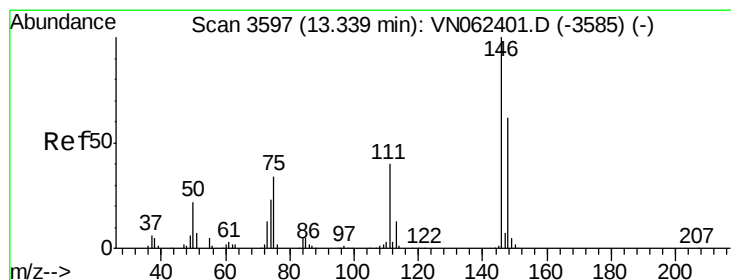
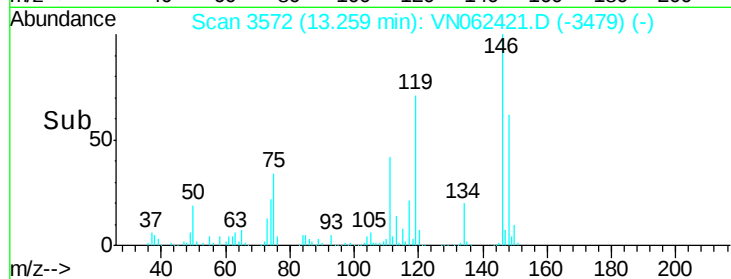
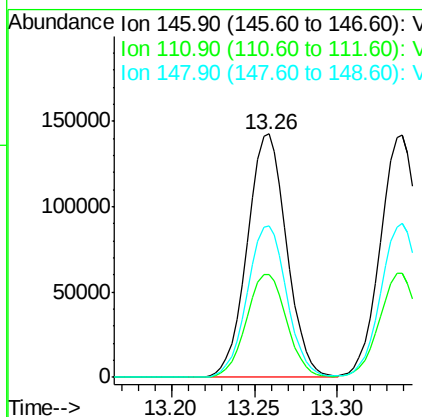
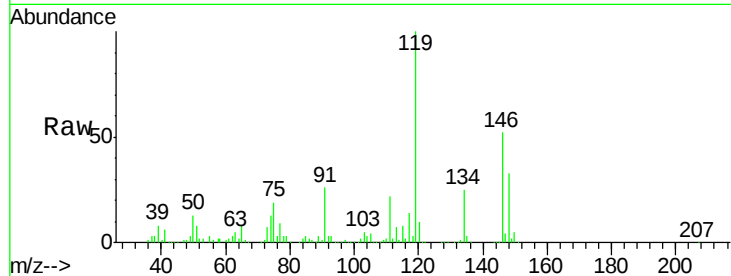
#87
 1,3-Dichlorobenzene
 Concen: 54.595 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.6
148	62.5	32.2	96.6

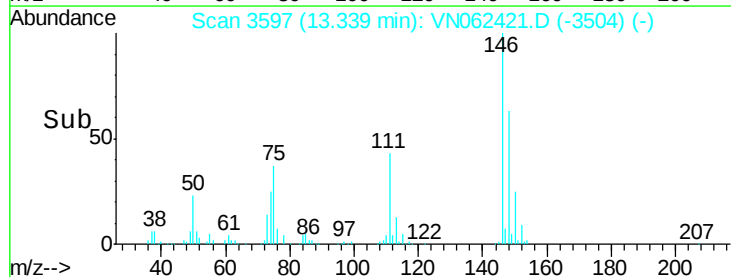
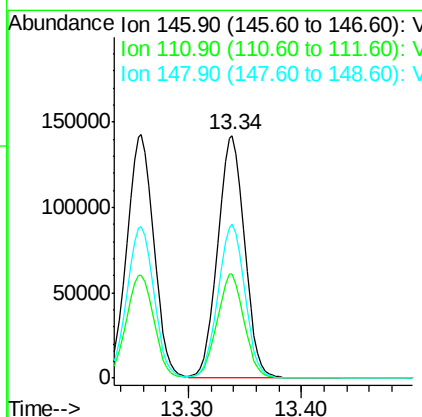
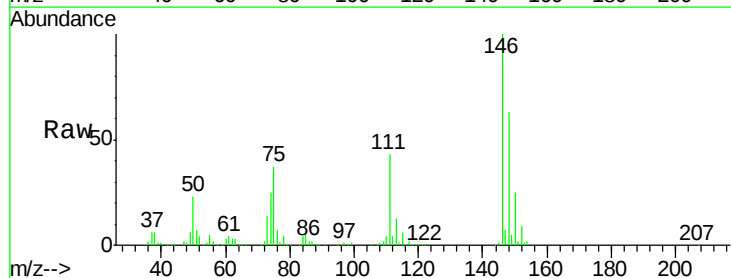
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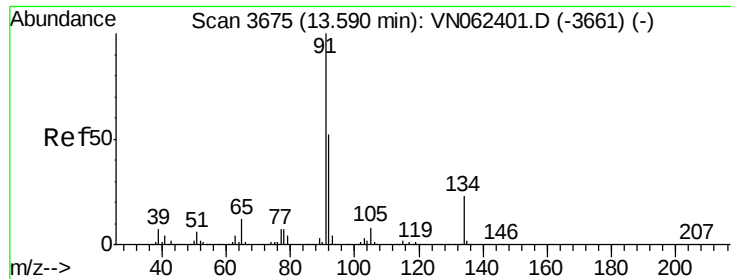
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 52.601 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.1
148	63.3	31.4	94.2





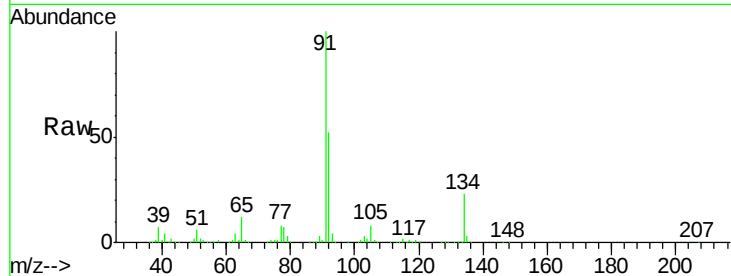
#89
n-Butylbenzene
Concen: 54.518 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

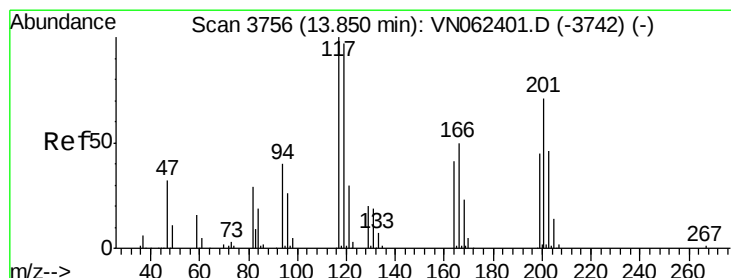
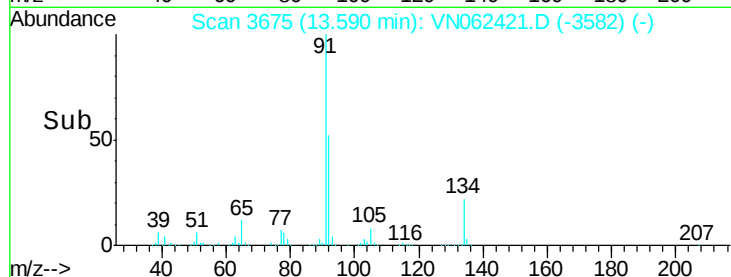
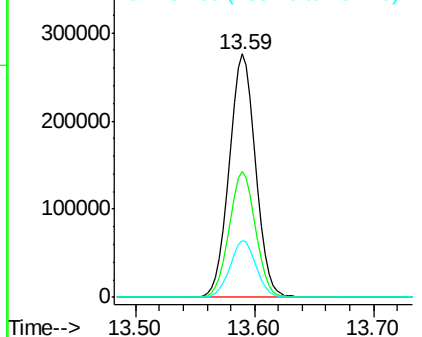
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.9	77.7
134	23.1	11.6	34.8

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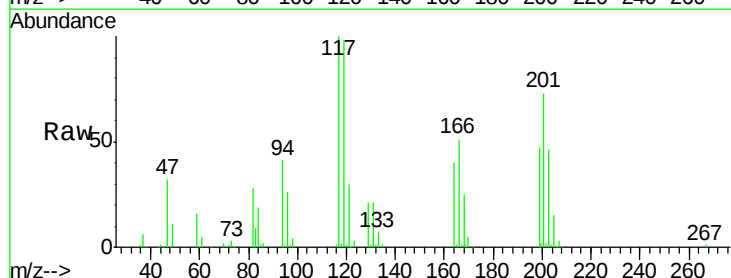


Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3661) (-)
Ion 92.00 (91.70 to 92.70): VN062401.D (-3661) (-)
Ion 134.00 (133.70 to 134.70): VN062401.D (-3661) (-)

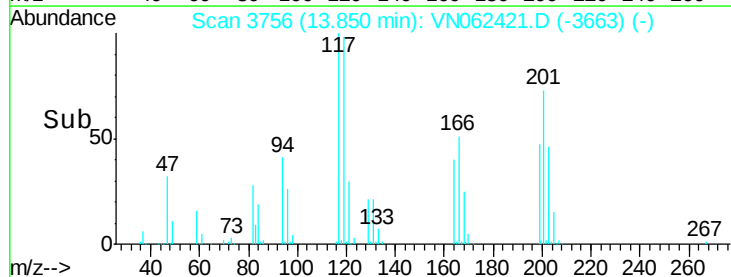
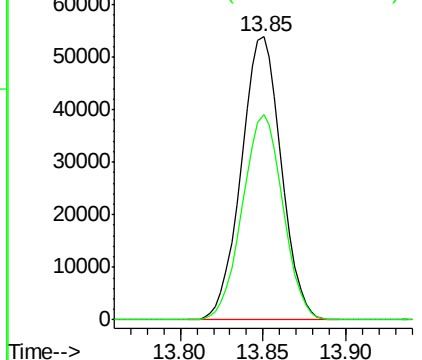


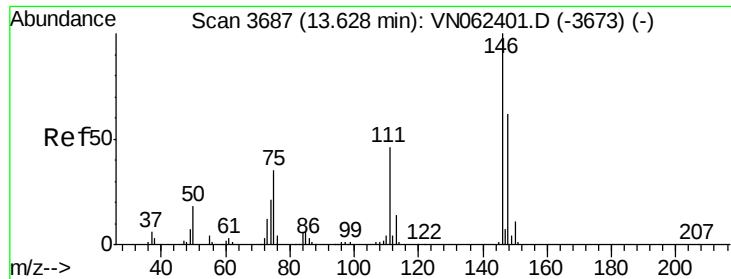
#90
Hexachloroethane
Concen: 52.425 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062421.D
Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.4	35.4	106.2



Abundance Ion 116.80 (116.50 to 117.50): VN062401.D (-3742) (-)
Ion 200.70 (200.40 to 201.40): VN062401.D (-3742) (-)





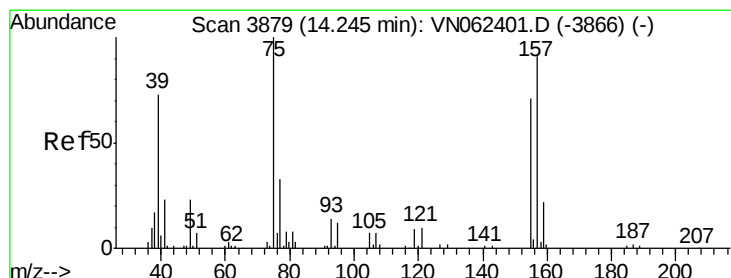
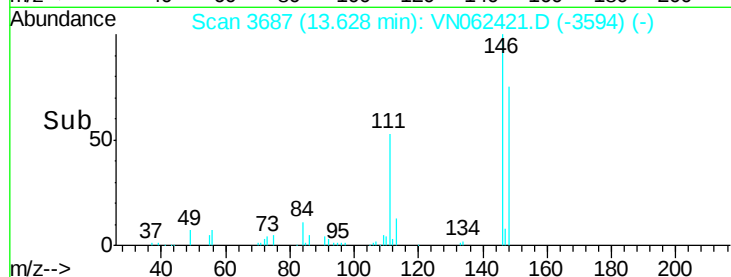
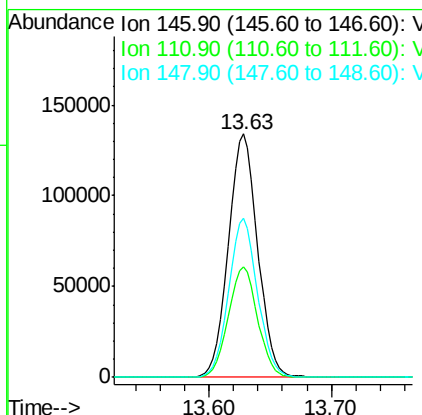
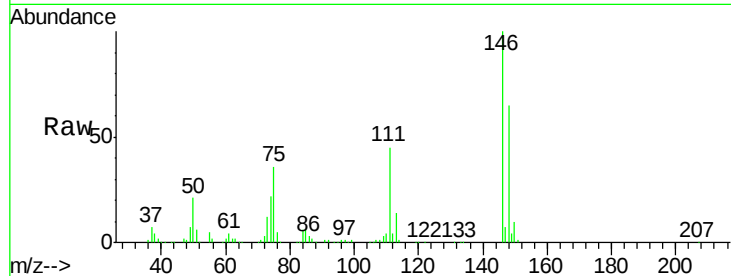
#91
 1,2-Dichlorobenzene
 Concen: 53.666 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.5	67.5
148	64.5	31.4	94.2

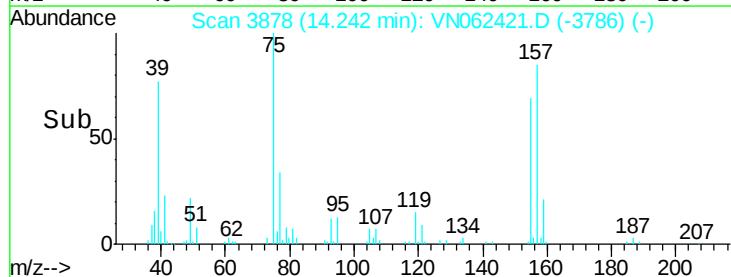
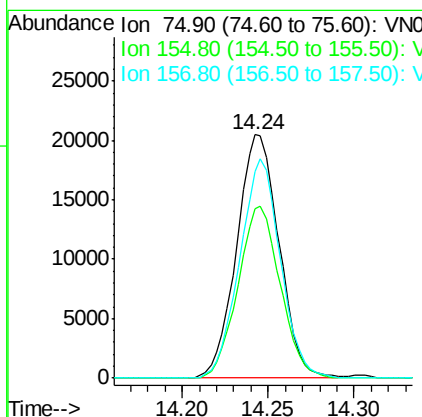
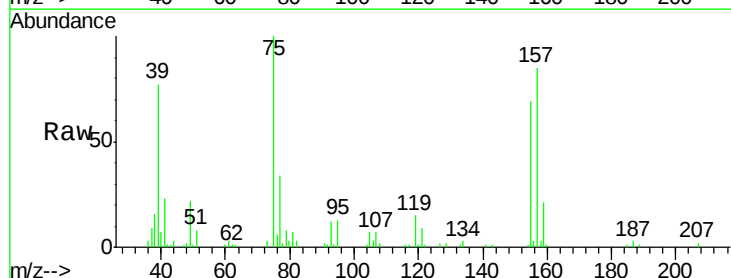
Manual Integrations
 APPROVED

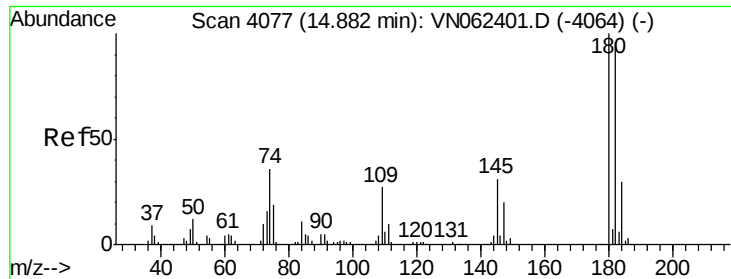
MMDadoda
 7/9/2020 10:58:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.573 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.3	35.2	105.6
157	86.8	45.8	137.3





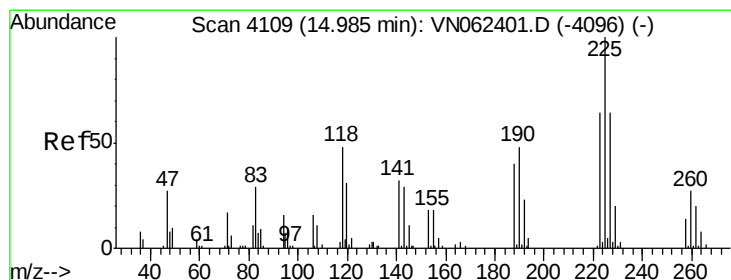
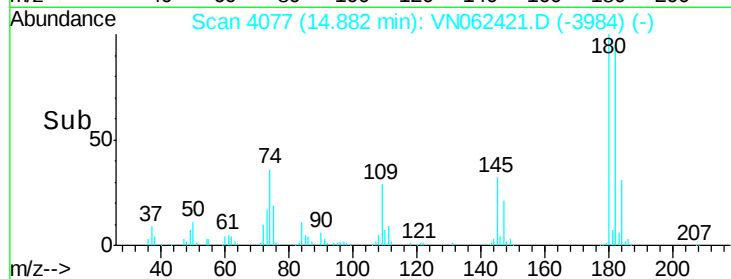
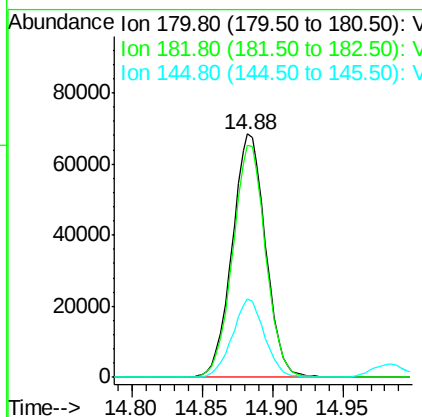
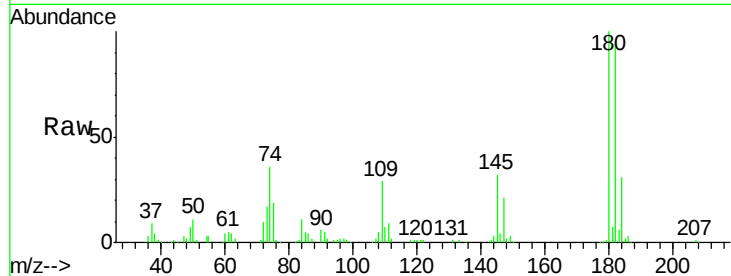
#93
 1,2,4-Trichlorobenzene
 Concen: 56.121 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.3	48.4	145.2	
145	30.9	15.5	46.5	

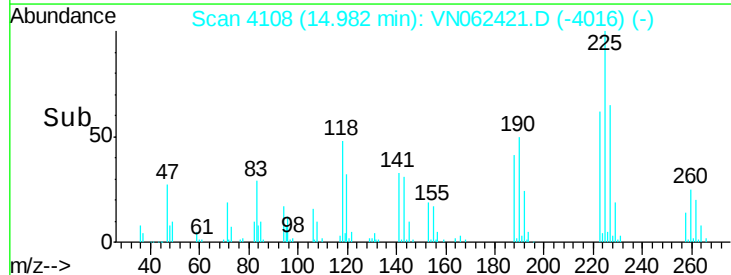
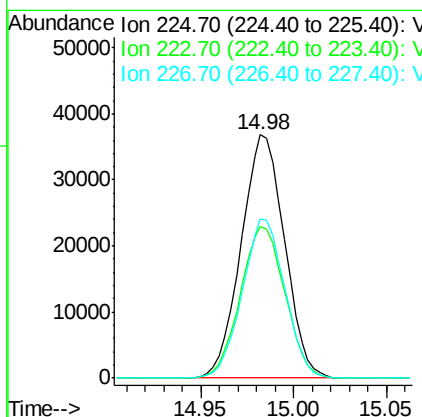
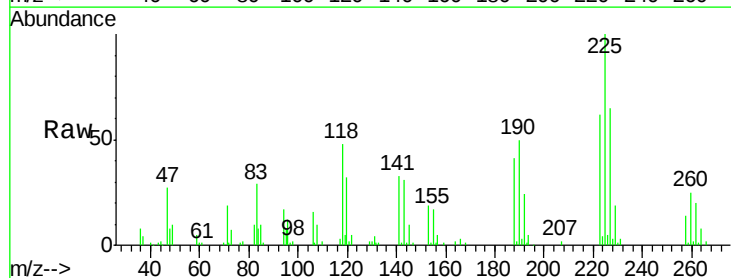
Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:58:40 AM



#94
 Hexachlorobutadiene
 Concen: 53.828 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062421.D
 Acq: 8 Jul 2020 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	32.3	96.8	
227	64.2	31.9	95.7	





#95

Naphthalene

Concen: 52.471 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Instrument :

MSVOA_N

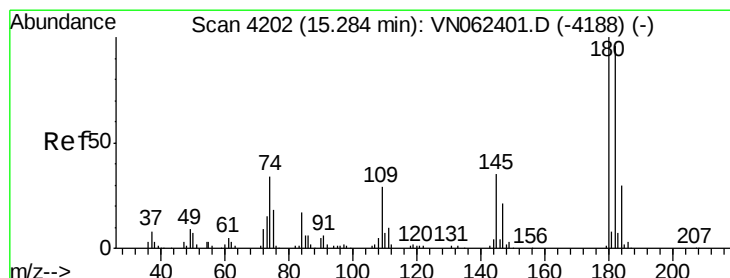
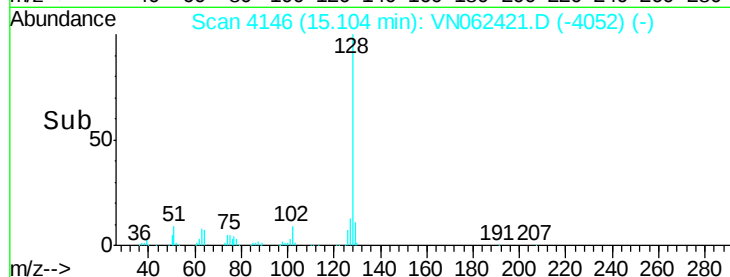
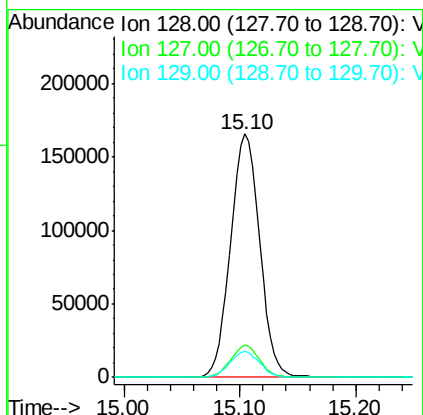
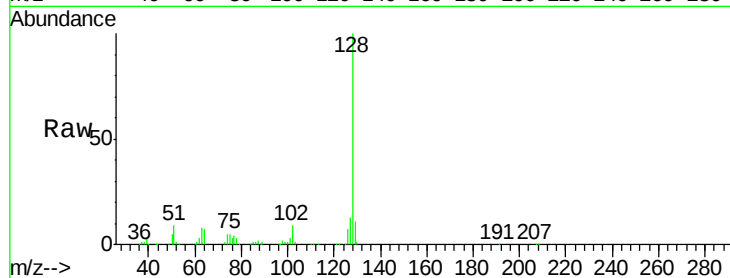
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	287593
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/9/2020 10:58:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.834 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062421.D

Acq: 8 Jul 2020 21:33

Tgt Ion:	180	Resp:	112340
Ion Ratio		Lower	Upper
180	100		
182	94.5	47.8	143.4
145	33.1	17.0	50.9

