

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061249.D
 Acq On : 2 May 2020 3:37
 Operator : JC/MD
 Sample : VN0501WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:58:12 PM

Quant Time: May 04 07:29:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	114796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	197192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	183205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	86234	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	87228	48.02	ug/l	0.00
Spiked Amount						
			Recovery	=	96.04%	
35) Dibromofluoromethane	7.54	113	49647	42.58	ug/l	0.00
Spiked Amount						
			Recovery	=	85.16%	
50) Toluene-d8	10.06	98	233274	49.08	ug/l	0.00
Spiked Amount						
			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.37	95	84696	47.35	ug/l	0.00
Spiked Amount						
			Recovery	=	94.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	22695	18.643	ug/l	99
3) Chloromethane	2.03	50	31435	21.322	ug/l	99
4) Vinyl Chloride	2.16	62	33803	20.186	ug/l	99
5) Bromomethane	2.54	94	14353	17.340	ug/l	98
6) Chloroethane	2.67	64	19712	18.572	ug/l	98
7) Trichlorofluoromethane	2.98	101	39698	21.013	ug/l	97
8) Diethyl Ether	3.36	74	16595	21.059	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.71	101	23706	19.477	ug/l	99
10) Methyl Iodide	3.90	142	26012	16.630	ug/l	99
11) Tert butyl alcohol	4.72	59	24521	100.775	ug/l #	85
12) 1,1-Dichloroethene	3.69	96	22849	18.865	ug/l	99
13) Acrolein	3.56	56	10142	62.546	ug/l	97
14) Allyl chloride	4.27	41	45408	20.219	ug/l	99
15) Acrylonitrile	4.92	53	73011	97.747	ug/l	99
16) Acetone	3.77	43	68463	94.009	ug/l	100
17) Carbon Disulfide	4.00	76	58159	17.383	ug/l	99
18) Methyl Acetate	4.27	43	40601	18.146	ug/l	97
19) Methyl tert-butyl Ether	4.98	73	86283	18.643	ug/l	99
20) Methylene Chloride	4.49	84	26763	18.895	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	25279	19.167	ug/l	97
22) Diisopropyl ether	5.89	45	103986	19.968	ug/l	98
23) Vinyl Acetate	5.83	43	394679	94.124	ug/l	100
24) 1,1-Dichloroethane	5.79	63	52350	19.240	ug/l	98
25) 2-Butanone	6.78	43	100229	93.250	ug/l	99
26) 2,2-Dichloropropane	6.77	77	34031	14.849	ug/l	98
27) cis-1,2-Dichloroethene	6.77	96	28638	18.503	ug/l	99
28) Bromochloromethane	7.14	49	24793	19.224	ug/l	96
29) Tetrahydrofuran	7.16	42	69657	96.207	ug/l	97
30) Chloroform	7.32	83	50244	18.222	ug/l	100
31) Cyclohexane	7.61	56	46660	17.658	ug/l	97
32) 1,1,1-Trichloroethane	7.52	97	42931	17.880	ug/l	99
36) 1,1-Dichloropropene	7.75	75	37023	18.755	ug/l	100
37) Ethyl Acetate	6.87	43	43658	18.865	ug/l	99
38) Carbon Tetrachloride	7.73	117	31867	19.171	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061249.D
 Acq On : 2 May 2020 3:37
 Operator : JC/MD
 Sample : VN0501WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0501WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:58:12 PM

Quant Time: May 04 07:29:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	38965	17.601	ug/l	96
40) Benzene	8.00	78	112580	19.143	ug/l	99
41) Methacrylonitrile	7.12	41	20502	21.338	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	42095	18.894	ug/l	99
43) Isopropyl Acetate	8.12	43	70933	18.469	ug/l	99
44) Trichloroethene	8.80	130	27273	17.155	ug/l	99
45) 1,2-Dichloropropane	9.08	63	30894	19.663	ug/l	97
46) Dibromomethane	9.17	93	18401	18.915	ug/l	99
47) Bromodichloromethane	9.36	83	39484	18.910	ug/l	97
48) Methyl methacrylate	9.16	41	31688	18.284	ug/l	98
49) 1,4-Dioxane	9.16	88	7703	391.558	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	215090	95.145	ug/l	99
52) Toluene	10.12	92	66630	18.810	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	41856	17.790	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	45521	18.301	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	25972	18.382	ug/l	96
56) Ethyl methacrylate	10.40	69	39521	17.903	ug/l	98
57) 1,3-Dichloropropane	10.68	76	47406	19.088	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	105362	92.125	ug/l	98
59) 2-Hexanone	10.72	43	152846	92.934	ug/l	99
60) Dibromochloromethane	10.87	129	26930	18.198	ug/l	99
61) 1,2-Dibromoethane	10.98	107	25774	18.200	ug/l	98
64) Tetrachloroethene	10.60	164	27189	17.135	ug/l	99
65) Chlorobenzene	11.40	112	67198	18.491	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	24312	18.691	ug/l	99
67) Ethyl Benzene	11.48	91	125986	18.519	ug/l	99
68) m/p-Xylenes	11.59	106	91784	36.859	ug/l	98
69) o-Xylene	11.92	106	43302	18.103	ug/l	98
70) Styrene	11.94	104	72454	18.098	ug/l	98
71) Bromoform	12.10	173	17448	18.252	ug/l #	100
73) Isopropylbenzene	12.22	105	117682	18.563	ug/l	100
74) N-amyl acetate	12.04	43	58008	18.070	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	36868	18.651	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	32361m	17.800	ug/l	
77) Bromobenzene	12.50	156	27524	18.808	ug/l	99
78) n-propylbenzene	12.56	91	143871	19.134	ug/l	99
79) 2-Chlorotoluene	12.65	91	83642	18.925	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	98483	18.770	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	12287	17.163	ug/l	96
82) 4-Chlorotoluene	12.75	91	89025	19.112	ug/l	99
83) tert-Butylbenzene	12.97	119	80339	18.159	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	99959	18.491	ug/l	99
85) sec-Butylbenzene	13.15	105	114887	19.047	ug/l	99
86) p-Isopropyltoluene	13.26	119	101728	18.718	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	49804	18.487	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	50880	18.484	ug/l	97
89) n-Butylbenzene	13.59	91	93497	18.766	ug/l	98
90) Hexachloroethane	13.85	117	11995	25.559	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	47979	18.574	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7333	17.565	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
Data File : VN061249.D
Acq On : 2 May 2020 3:37
Operator : JC/MD
Sample : VN0501WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

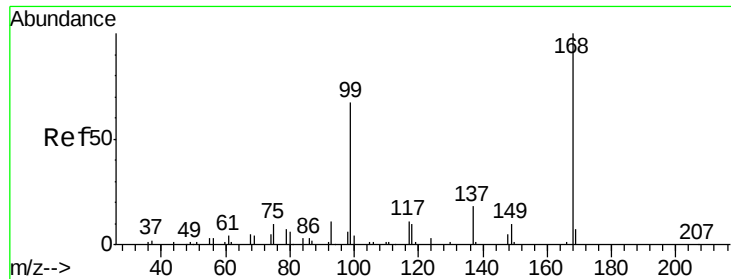
Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:12 PM

Quant Time: May 04 07:29:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 29 08:14:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	28087	17.856	ug/l	98
94) Hexachlorobutadiene	14.98	225	13147	20.006	ug/l	97
95) Naphthalene	15.10	128	87214	17.025	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	28264	18.199	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD02

Tot Ion: 168 Resp: 114796

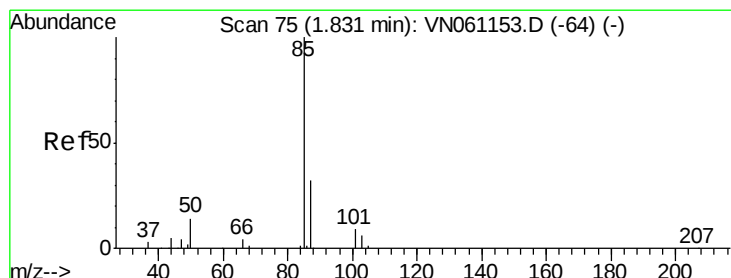
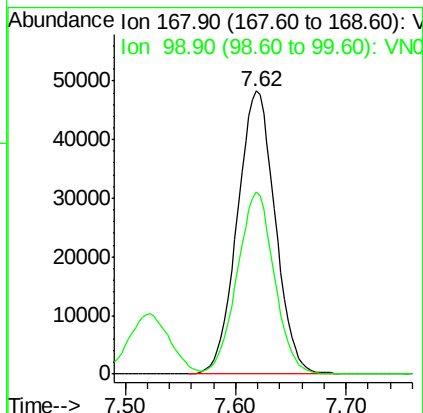
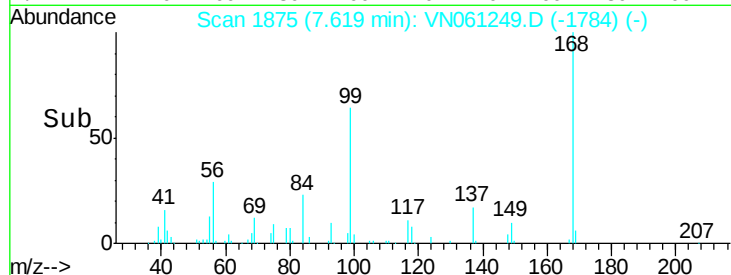
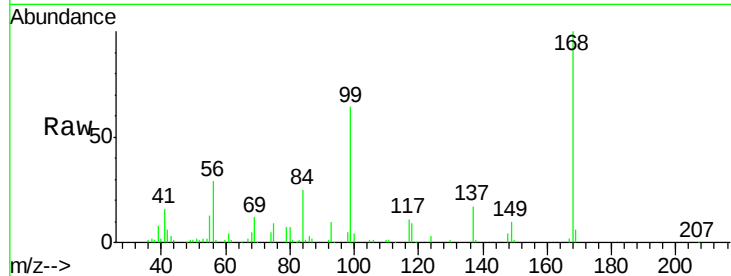
Ion Ratio Lower Upper

168 100

99 64.2 51.2 76.8

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:12 PM



#2

Dichlorodifluoromethane

Concen: 18.643 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061249.D

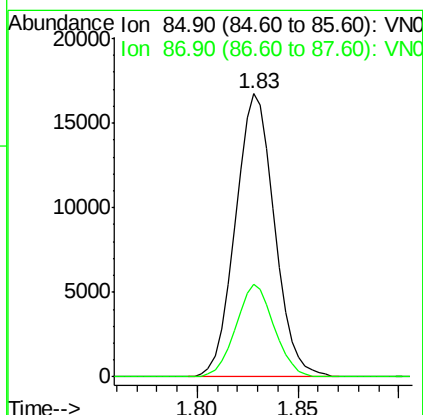
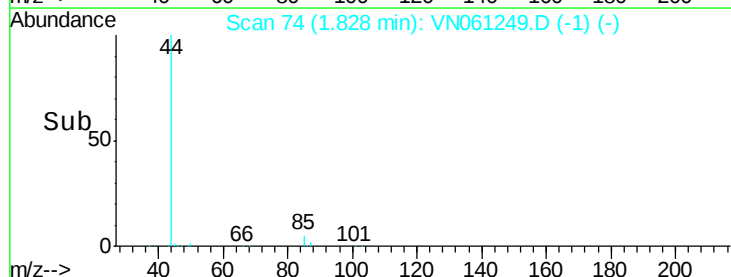
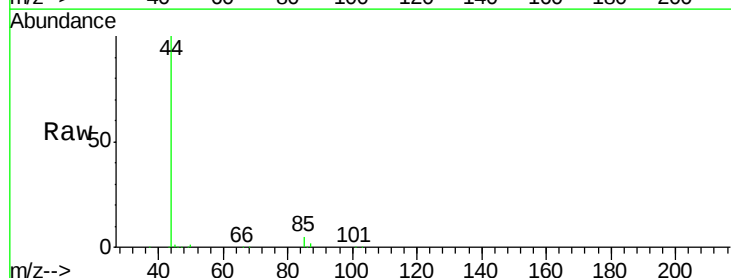
Acq: 2 May 2020 3:37

Tgt Ion: 85 Resp: 22695

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2





#3

Chloromethane

Concen: 21.322 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD02

Tot Ion: 50 Resp: 31435

Ion Ratio Lower Upper

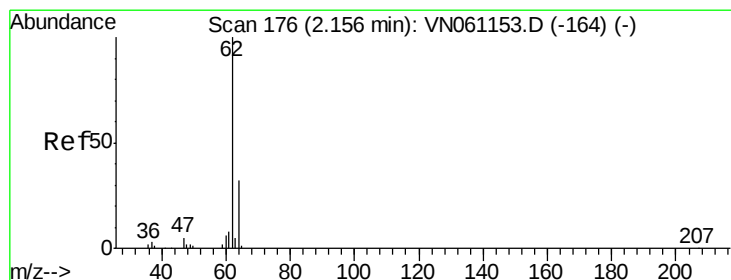
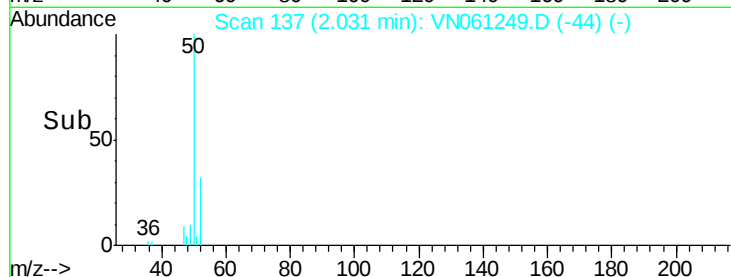
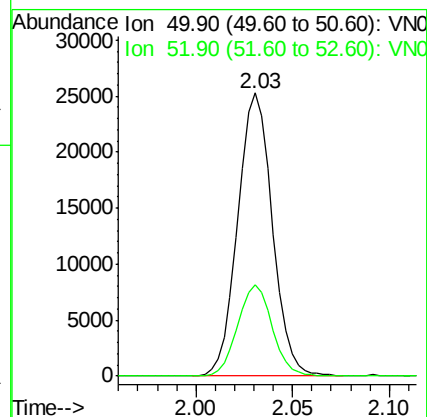
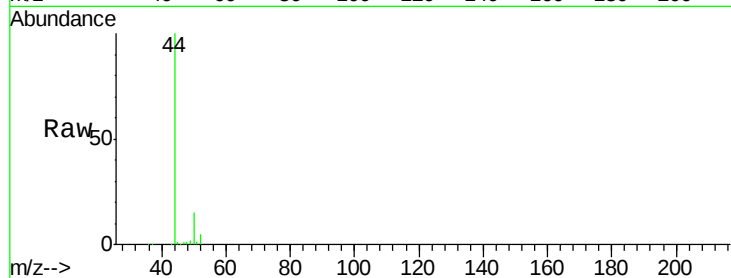
50 100

52 32.1 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

5/4/2020 2:58:12 PM



#4

Vinyl Chloride

Concen: 20.186 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061249.D

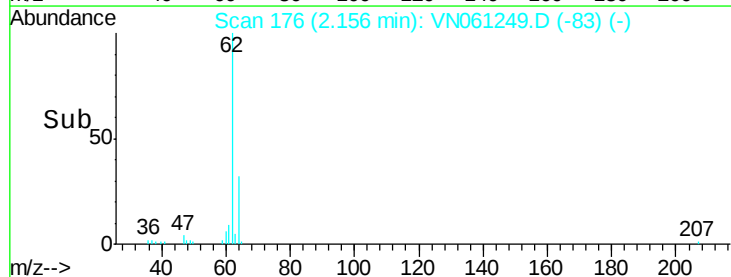
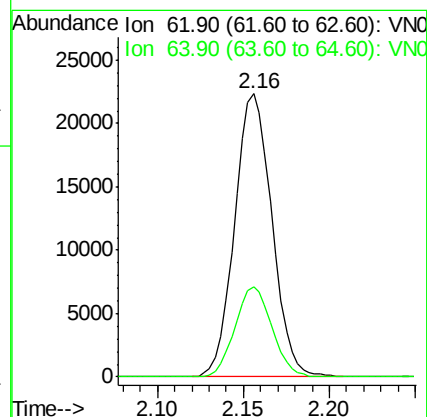
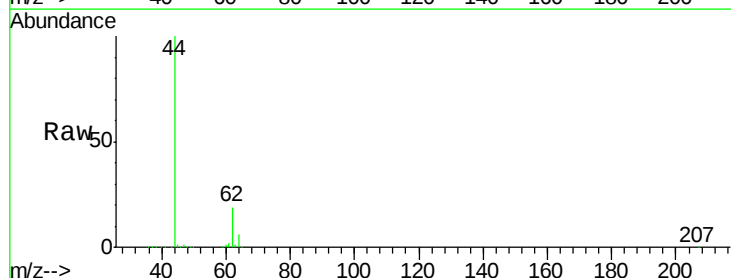
Acq: 2 May 2020 3:37

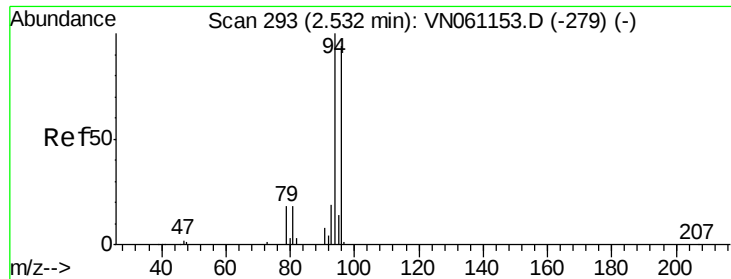
Tgt Ion: 62 Resp: 33803

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8





#5

Bromomethane

Concen: 17.340 ug/l

RT: 2.54 min Scan# 294

Delta R.T. 0.00 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD02

Tot Ion: 94 Resp: 14353

Ion Ratio Lower Upper

94 100

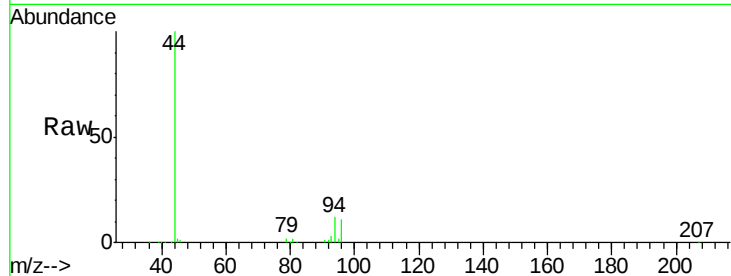
96 91.7 75.1 112.7

Manual Integrations

APPROVED

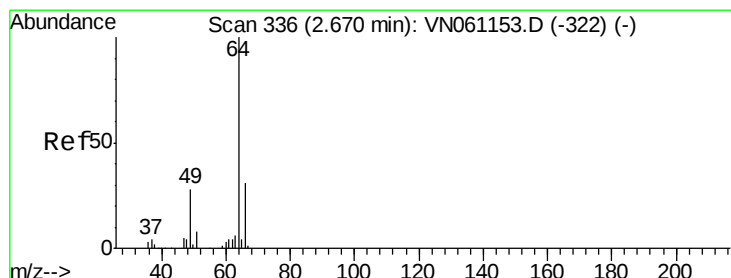
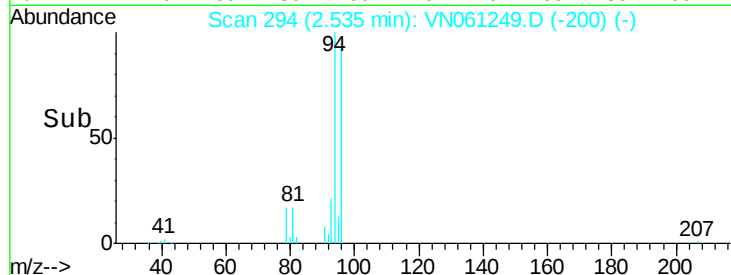
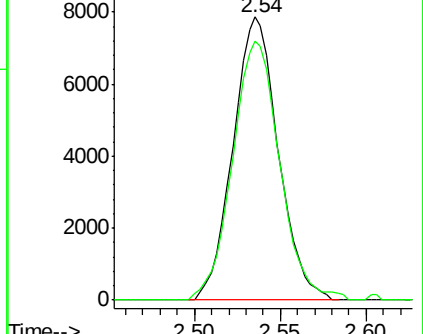
MMDadoda

5/4/2020 2:58:12 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.572 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061249.D

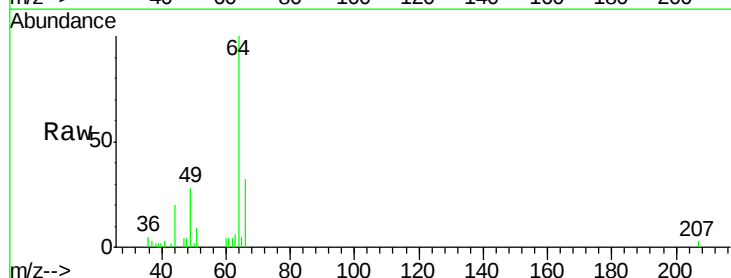
Acq: 2 May 2020 3:37

Tgt Ion: 64 Resp: 19712

Ion Ratio Lower Upper

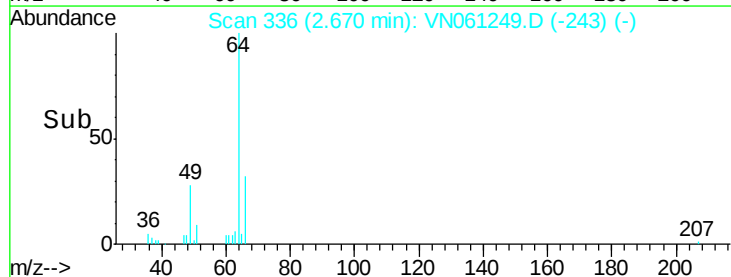
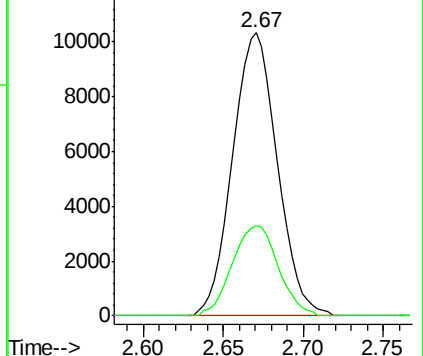
64 100

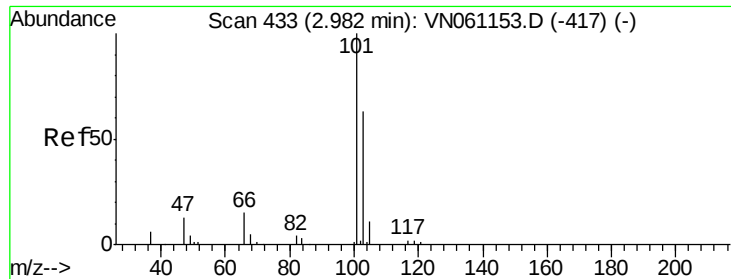
66 31.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

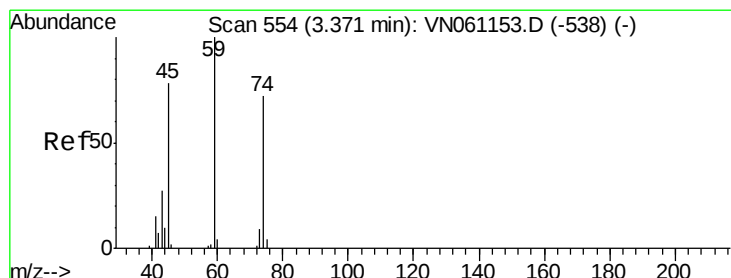
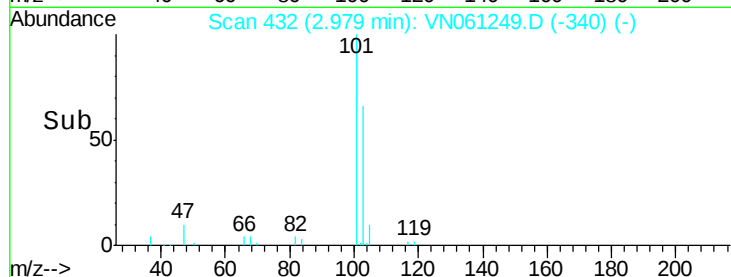
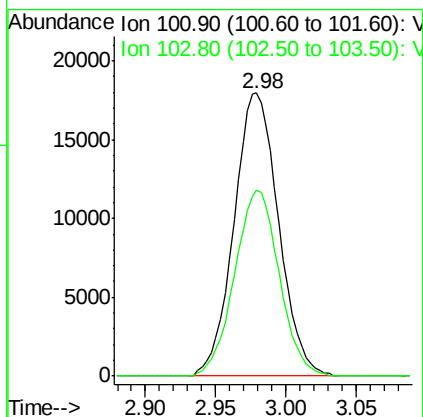
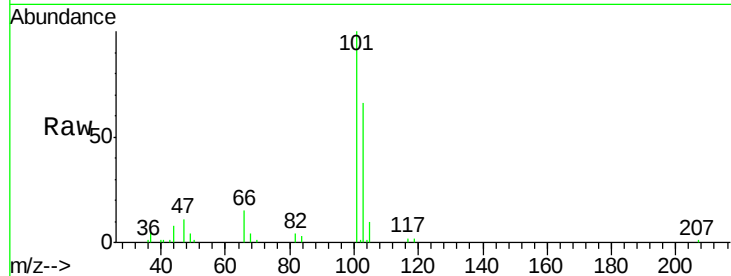
Trichlorofluoromethane
 Concen: 21.013 ug/l
 RT: 2.98 min Scan# 432
 Delta R.T. -0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		39698		
103	65.7	50.6	76.0		

Manual Integrations
 APPROVED

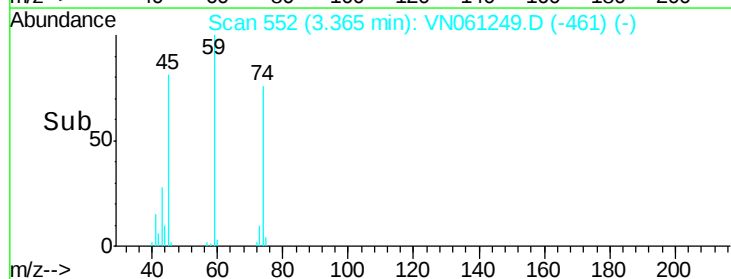
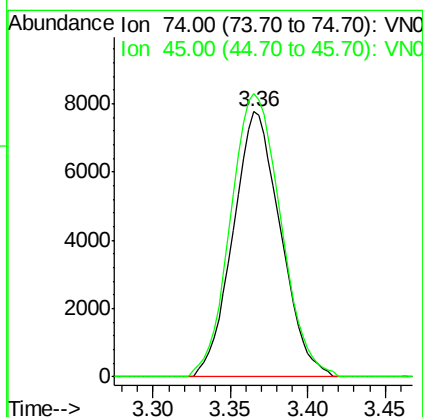
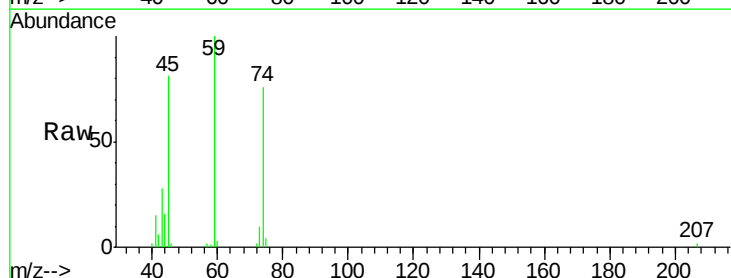
MMDadoda
 5/4/2020 2:58:12 PM



#8

Diethyl Ether
 Concen: 21.059 ug/l
 RT: 3.36 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		16595		
45	112.9	53.3	160.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.477 ug/l

RT: 3.71 min Scan# 659

Delta R.T. -0.01 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Instrument :

MSVOA_N

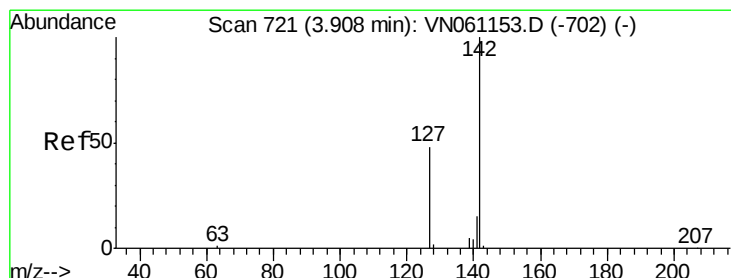
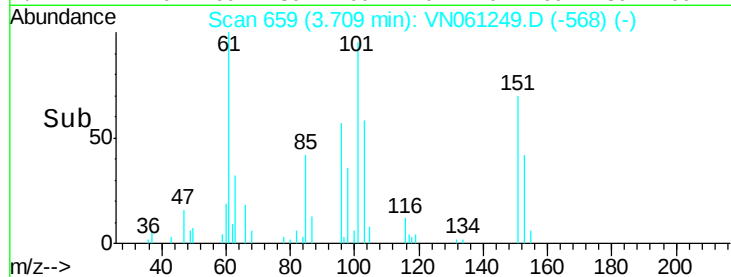
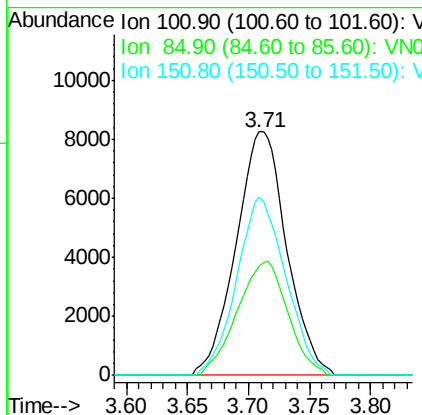
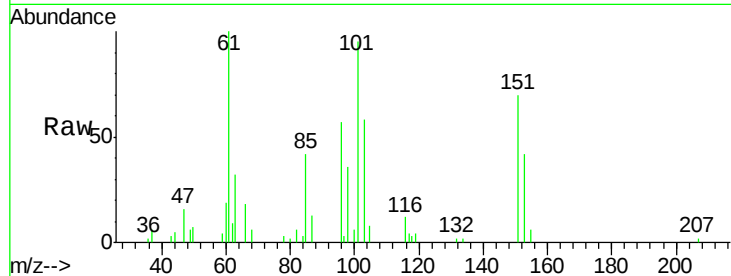
ClientSampleId :

VN0501WBSD02

Tot Ion:	101	Resp:	23706
Ion Ratio	Lower	Upper	
101	100		
85	46.7	37.2	55.8
151	70.9	57.7	86.5

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:12 PM



#10

Methyl Iodide

Concen: 16.630 ug/l

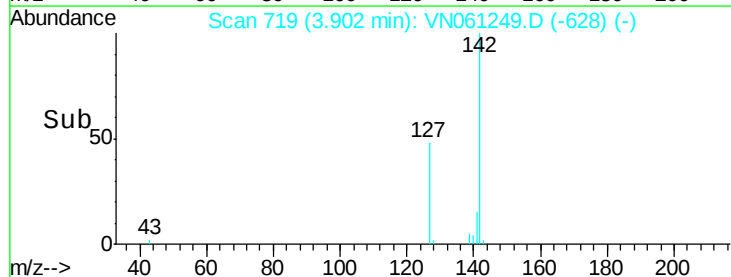
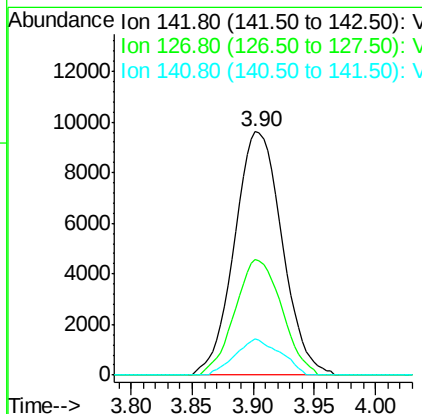
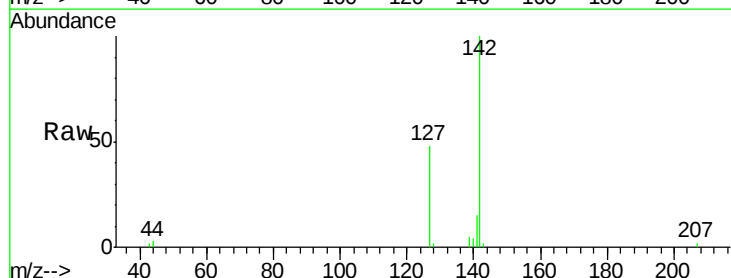
RT: 3.90 min Scan# 719

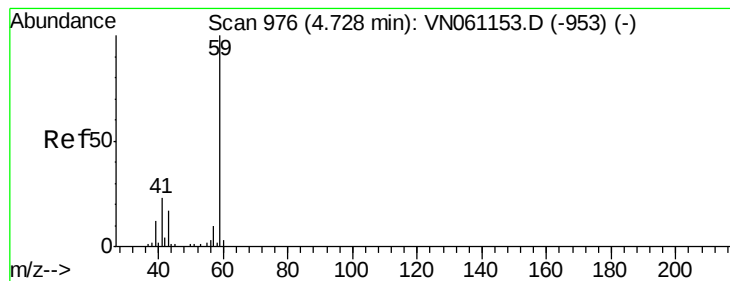
Delta R.T. -0.01 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Tgt Ion:	142	Resp:	26012
Ion Ratio	Lower	Upper	
142	100		
127	46.8	38.0	57.0
141	14.0	11.7	17.5





#11

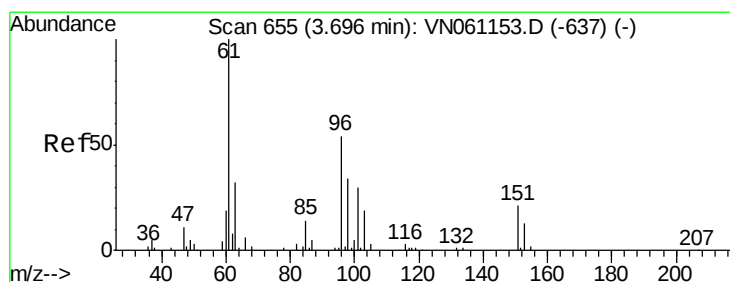
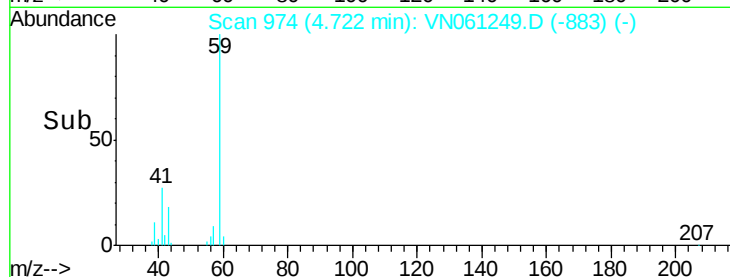
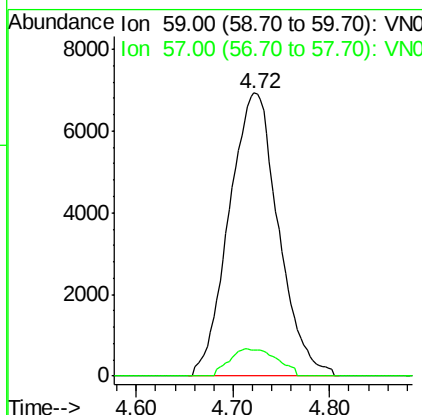
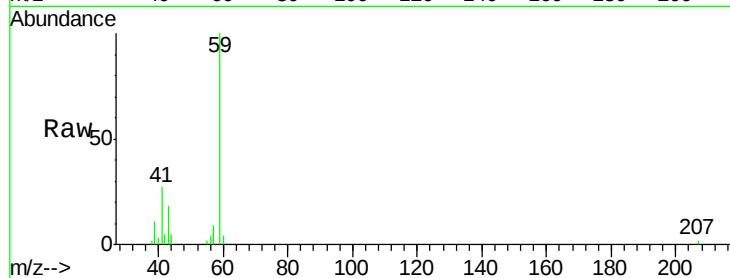
Tert butyl alcohol
Concen: 100.775 ug/l
RT: 4.72 min Scan# 974
Delta R.T. -0.01 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	24521		
57	4.8		8.3	12.5#

Manual Integrations
APPROVED

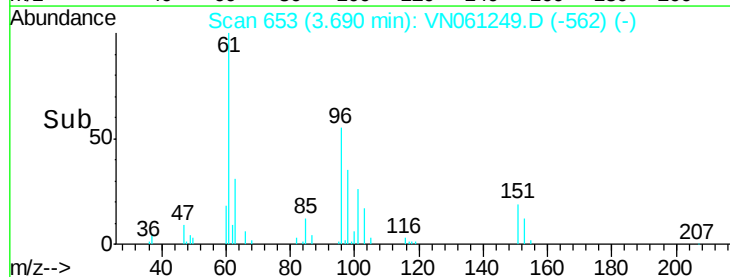
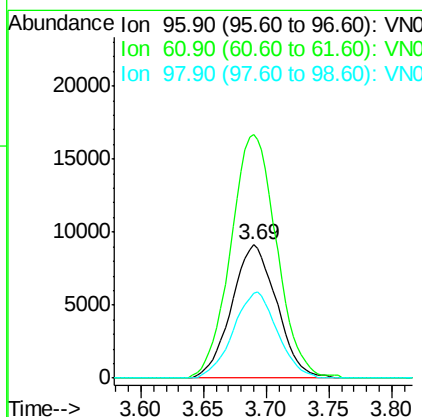
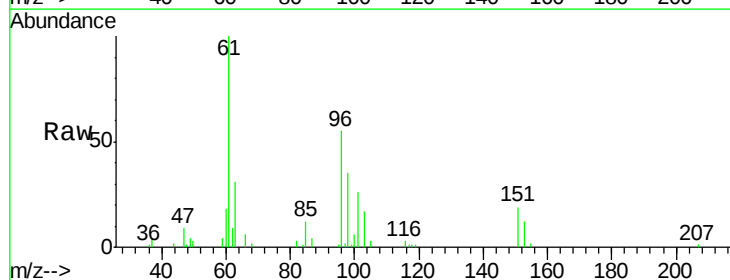
MMDadoda
5/4/2020 2:58:12 PM

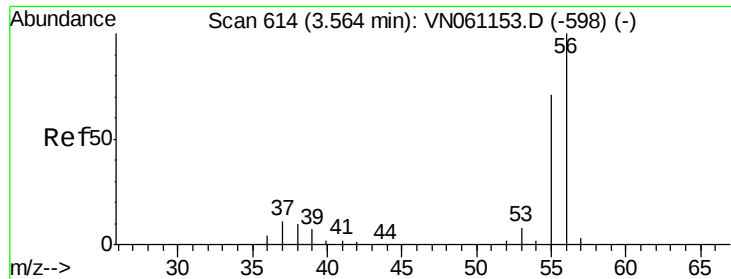


#12

1,1-Dichloroethene
Concen: 18.865 ug/l
RT: 3.69 min Scan# 653
Delta R.T. -0.01 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	22849		
61	182.8		147.0	220.6
98	63.5		49.8	74.6





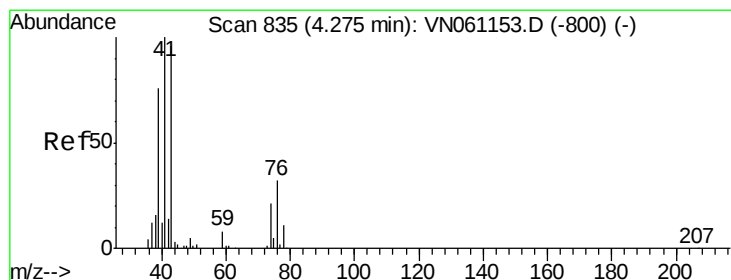
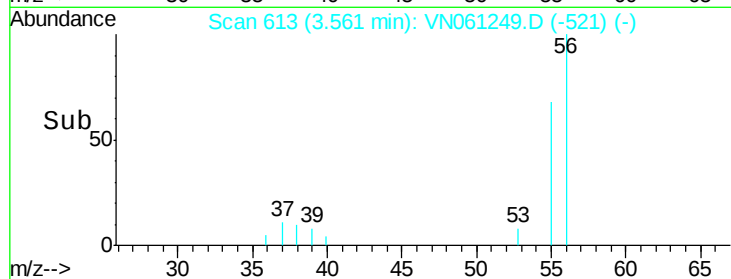
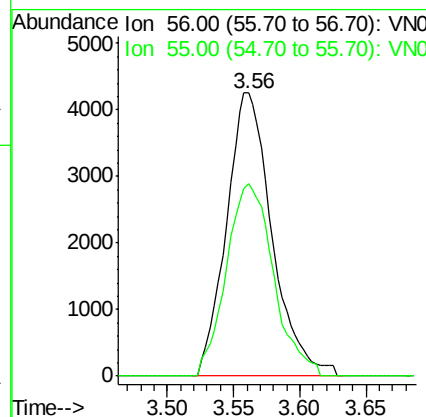
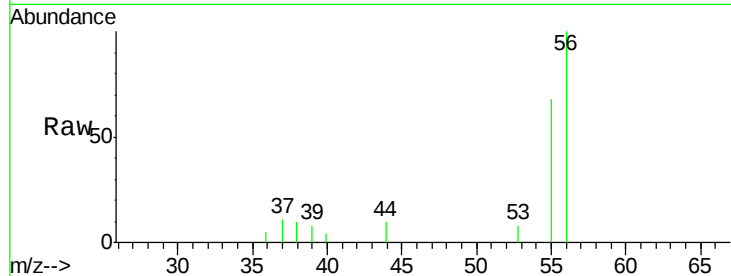
#13
Acrolein
Concen: 62.546 ug/l
RT: 3.56 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

Tot Ion: 56 Resp: 10142
Ion Ratio Lower Upper
56 100
55 70.5 58.5 87.7

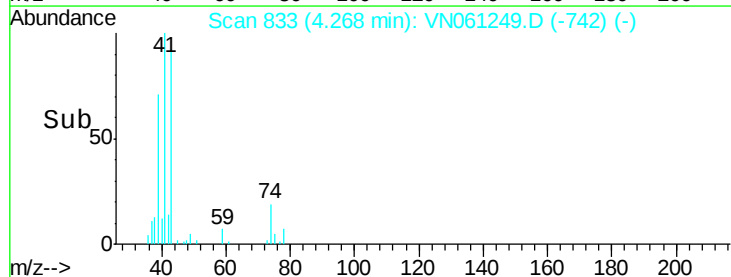
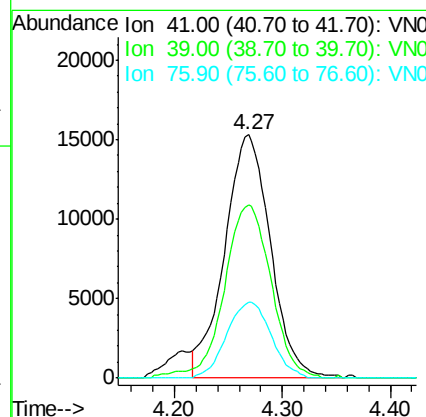
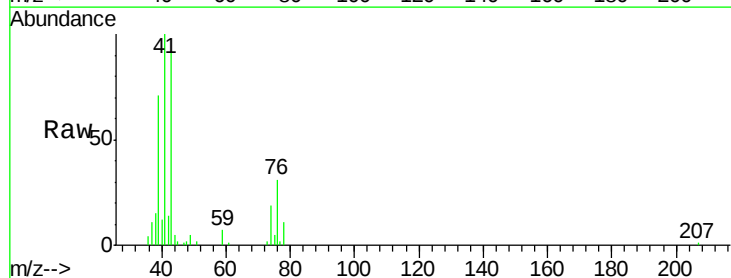
Manual Integrations
APPROVED

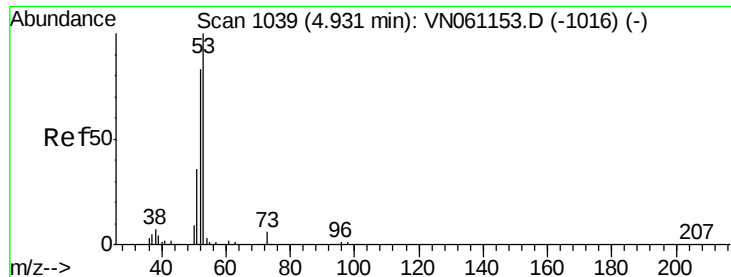
MMDadoda
5/4/2020 2:58:12 PM



#14
Allyl chloride
Concen: 20.219 ug/l
RT: 4.27 min Scan# 833
Delta R.T. -0.01 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion: 41 Resp: 45408
Ion Ratio Lower Upper
41 100
39 72.4 57.1 85.7
76 30.2 24.3 36.5





#15

Acrylonitrile

Concen: 97.747 ug/l

RT: 4.92 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Instrument :

MSVOA_N

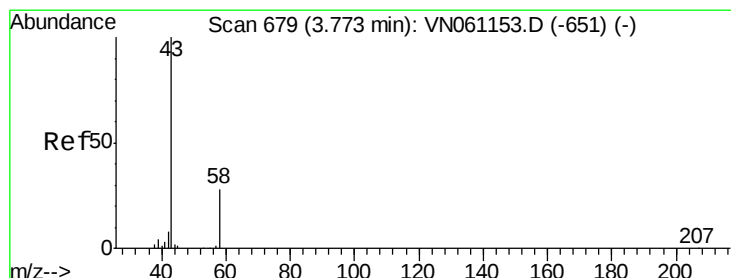
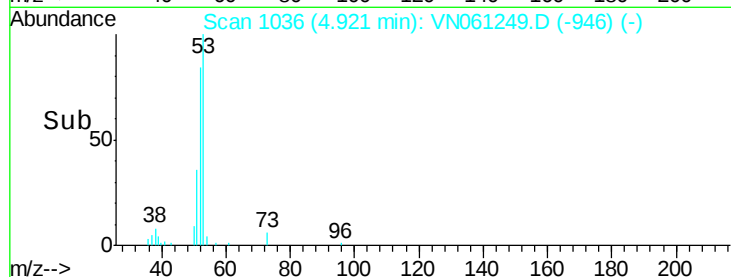
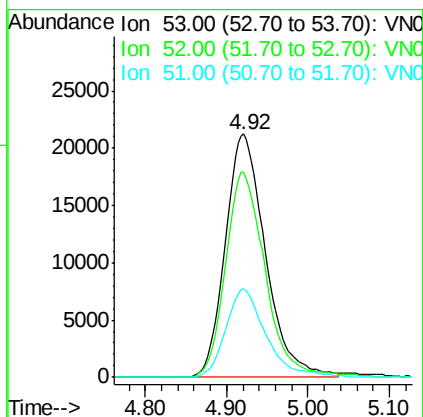
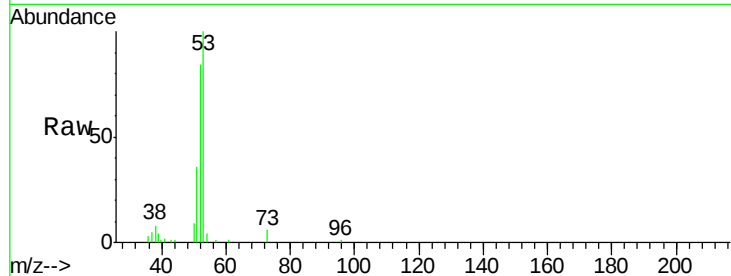
ClientSampleId :

VN0501WBSD02

Tot Ion:	53	Resp:	73011
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.4	98.0
51	36.4	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:12 PM



#16

Acetone

Concen: 94.009 ug/l

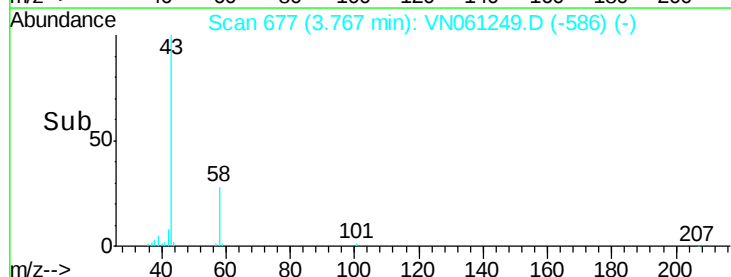
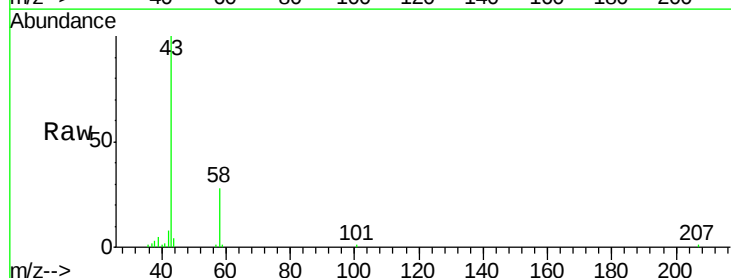
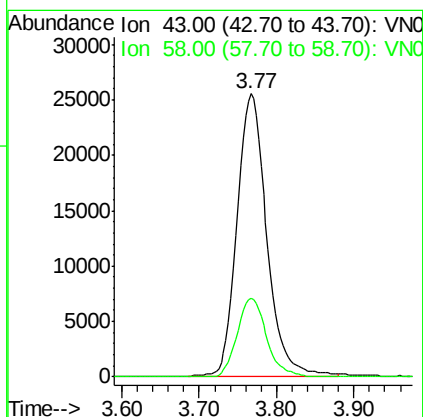
RT: 3.77 min Scan# 677

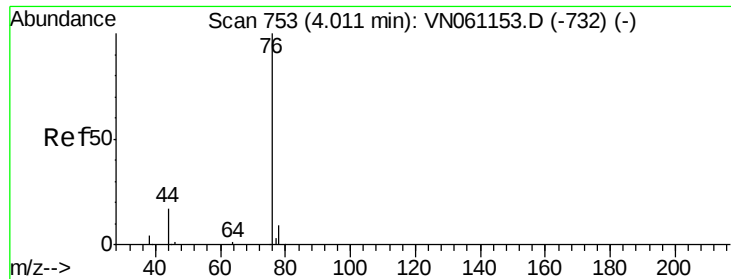
Delta R.T. -0.01 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Tgt Ion:	43	Resp:	68463
Ion Ratio	Lower	Upper	
43	100		
58	27.9	22.2	33.2





#17

Carbon Disulfide

Concen: 17.383 ug/l

RT: 4.00 min Scan# 751

Delta R.T. -0.01 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD02

Tot Ion: 76 Resp: 58159

Ion Ratio Lower Upper

76 100

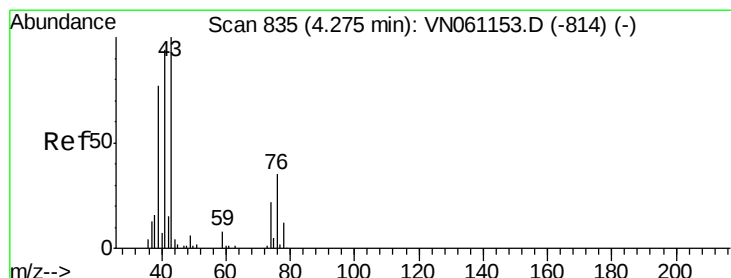
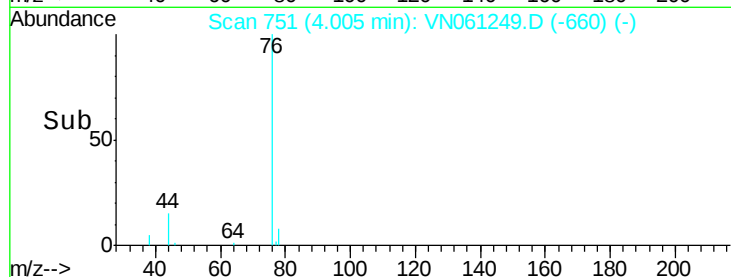
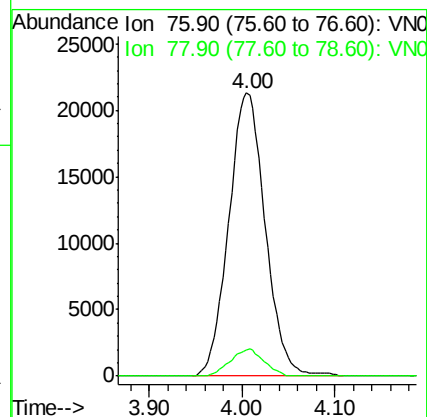
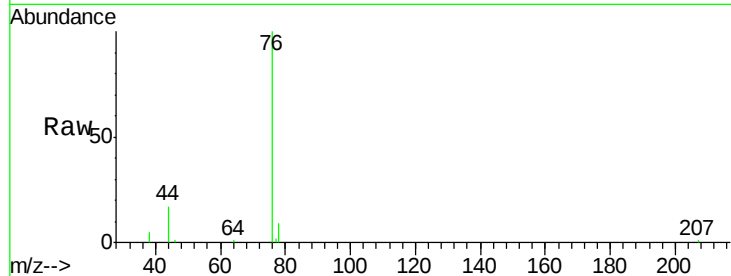
78 9.4 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

5/4/2020 2:58:12 PM



#18

Methyl Acetate

Concen: 18.146 ug/l

RT: 4.27 min Scan# 833

Delta R.T. -0.01 min

Lab File: VN061249.D

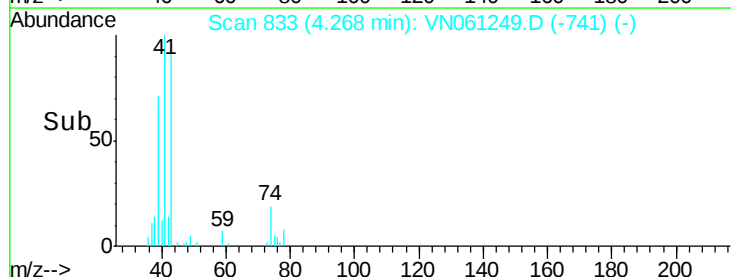
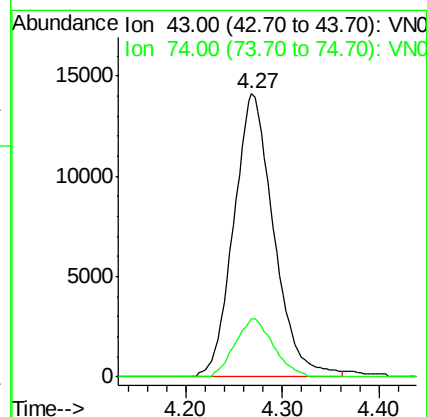
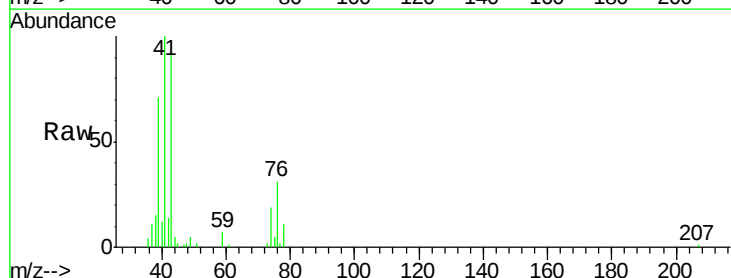
Acq: 2 May 2020 3:37

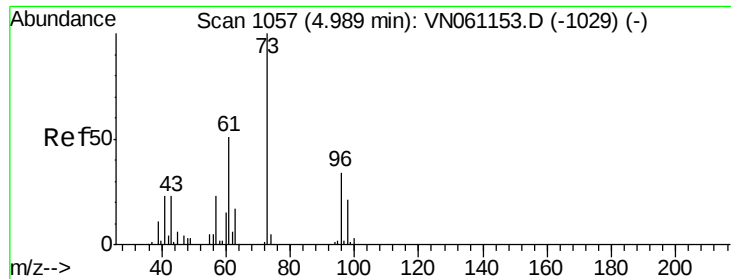
Tgt Ion: 43 Resp: 40601

Ion Ratio Lower Upper

43 100

74 19.7 17.0 25.4





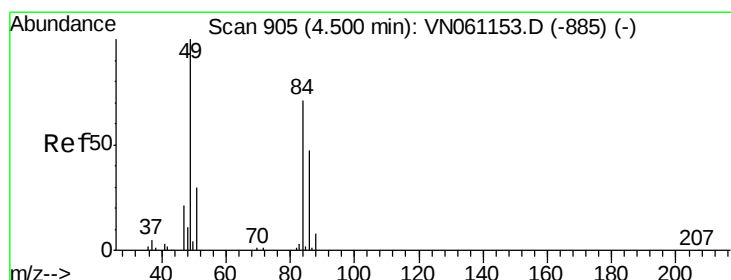
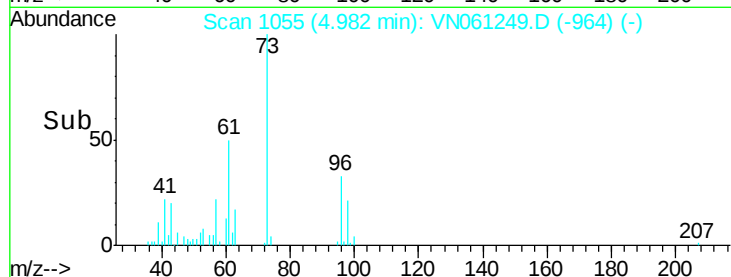
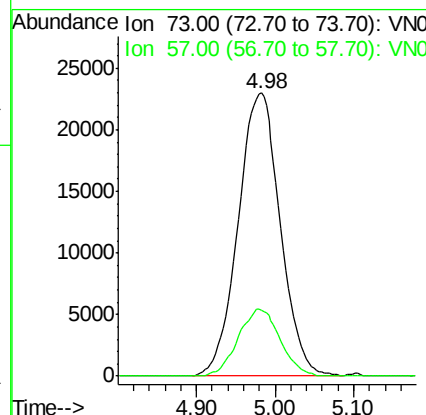
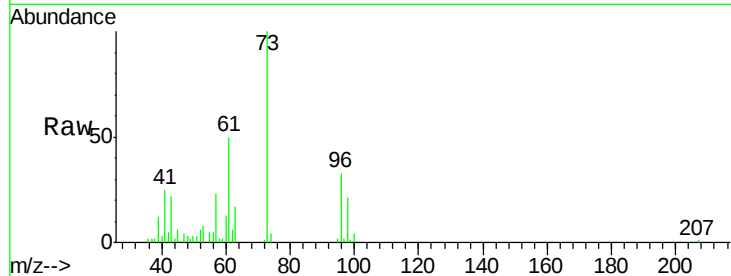
#19
Methvl tert-butvl Ether
Concen: 18.643 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

Tot Ion: 73 Resp: 86283
Ion Ratio Lower Upper
73 100
57 23.3 18.3 27.5

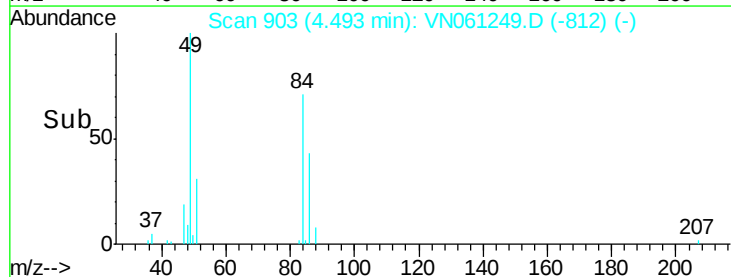
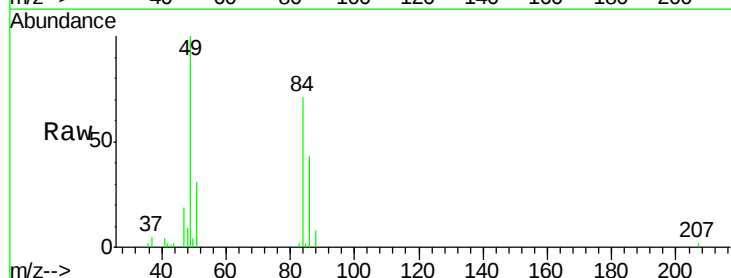
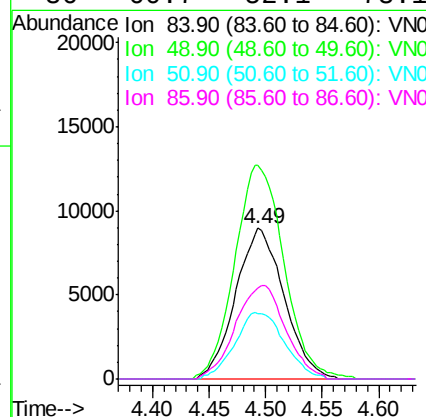
Manual Integrations
APPROVED

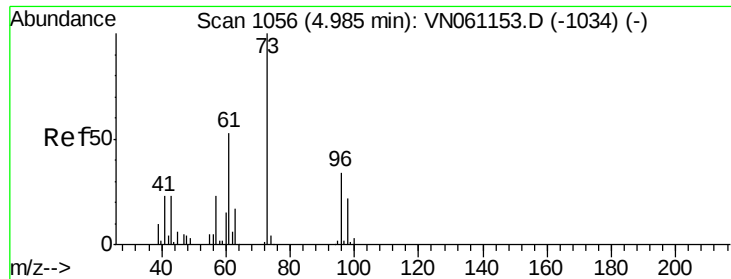
MMDadoda
5/4/2020 2:58:12 PM



#20
Methylene Chloride
Concen: 18.895 ug/l
RT: 4.49 min Scan# 903
Delta R.T. -0.01 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion: 84 Resp: 26763
Ion Ratio Lower Upper
84 100
49 141.7 112.0 168.0
51 43.6 33.6 50.4
86 60.7 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.167 ug/l

RT: 4.98 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Instrument :

MSVOA_N

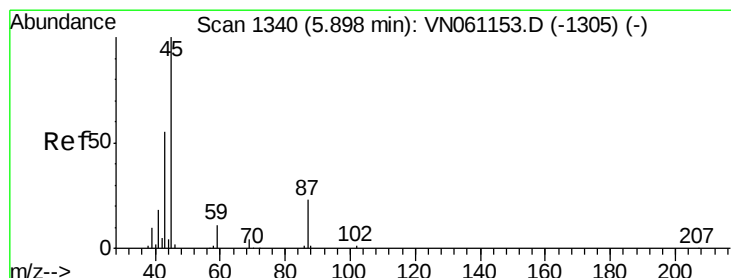
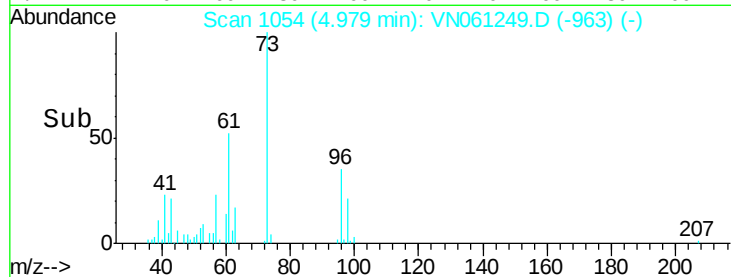
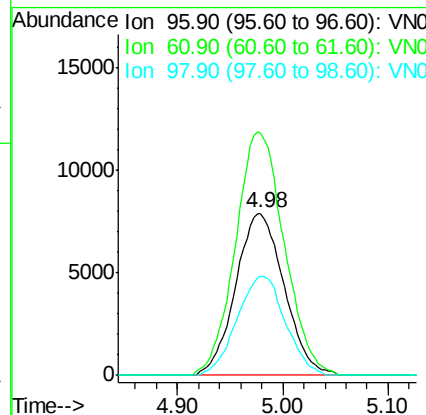
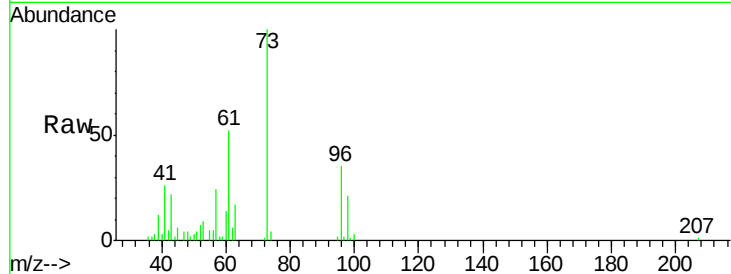
ClientSampleId :

VN0501WBSD02

Tot Ion:	96	Resp:	25279
Ion	Ratio	Lower	Upper
96	100		
61	149.1	123.0	184.4
98	61.2	50.1	75.1

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:12 PM



#22

Diisopropyl ether

Concen: 19.968 ug/l

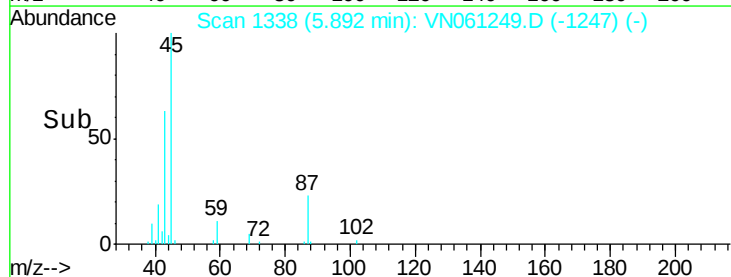
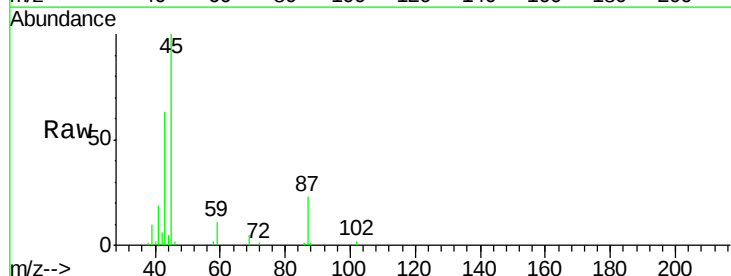
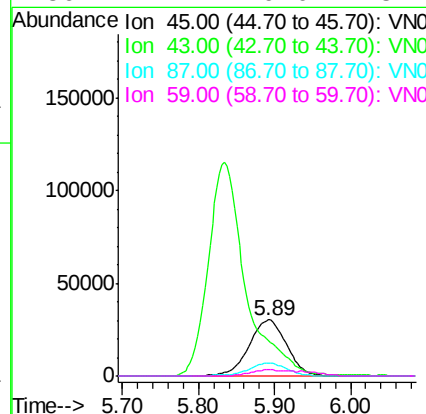
RT: 5.89 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Tgt Ion:	45	Resp:	103986
Ion	Ratio	Lower	Upper
45	100		
43	61.0	47.9	71.9
87	22.9	19.2	28.8
59	11.4	9.0	13.4





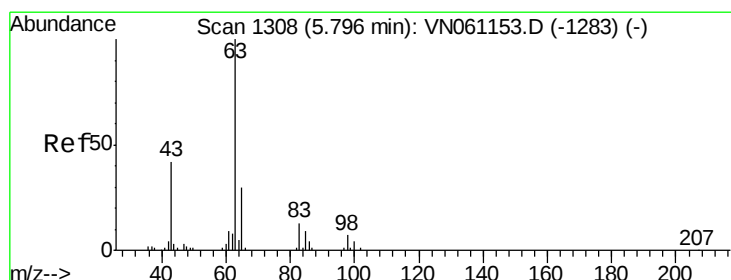
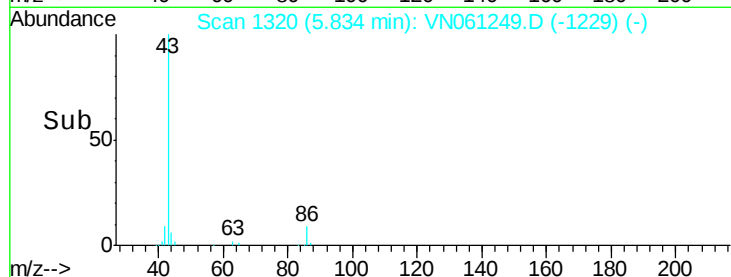
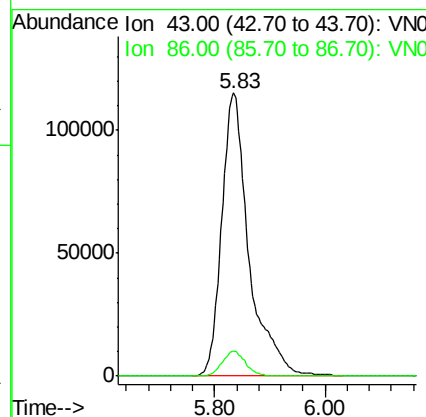
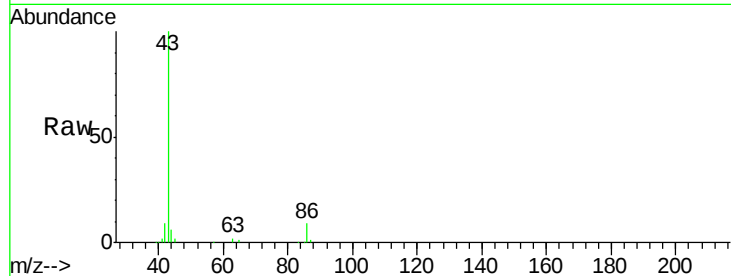
#23
 Vinyl Acetate
 Concen: 94.124 ug/l
 RT: 5.83 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD02

Tot Ion	43	Resp	394679
Ion Ratio	100	Lower	Upper
43	100		
86	8.9	7.2	10.8

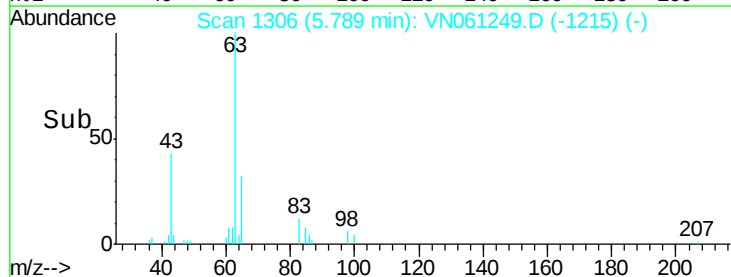
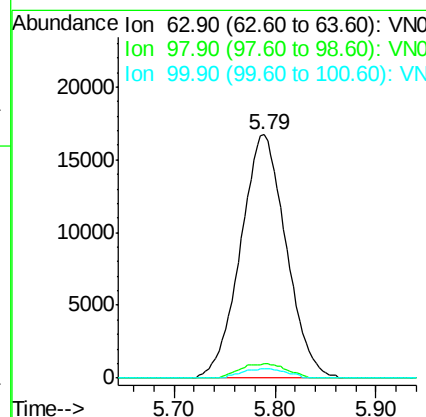
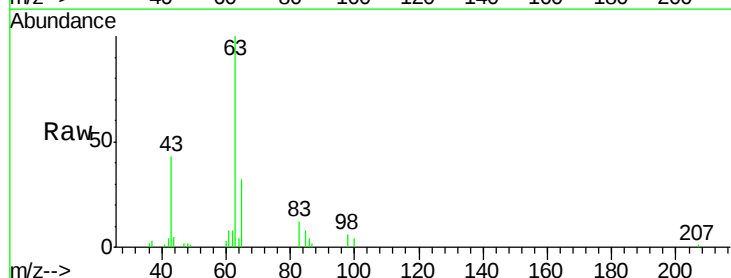
Manual Integrations
 APPROVED

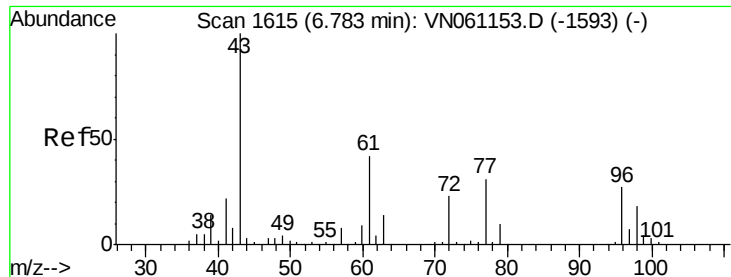
MMDadoda
 5/4/2020 2:58:12 PM



#24
 1,1-Dichloroethane
 Concen: 19.240 ug/l
 RT: 5.79 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Tgt Ion	63	Resp	52350
Ion Ratio	100	Lower	Upper
63	100		
98	5.8	3.3	9.9
100	3.7	1.9	5.7





#25

2-Butanone

Concen: 93.250 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. -0.01 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Tot Ion: 43 Resp: 100229

Ion Ratio Lower Upper

43 100

72 22.5 18.2 27.4

Instrument :

MSVOA_N

ClientSampleId :

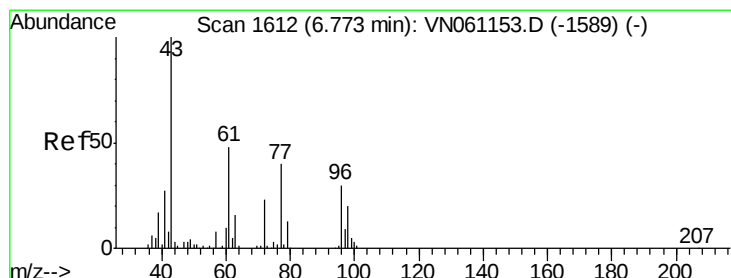
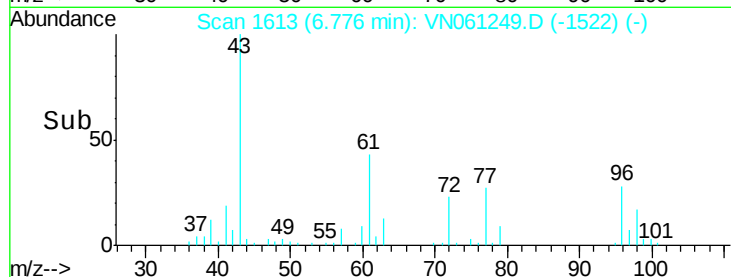
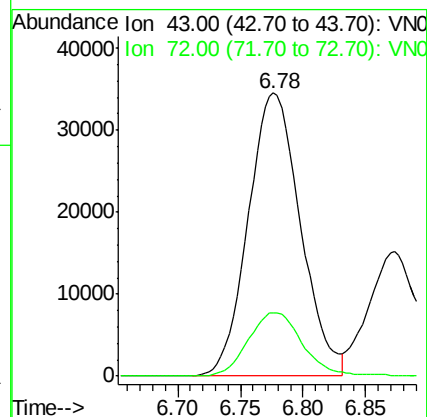
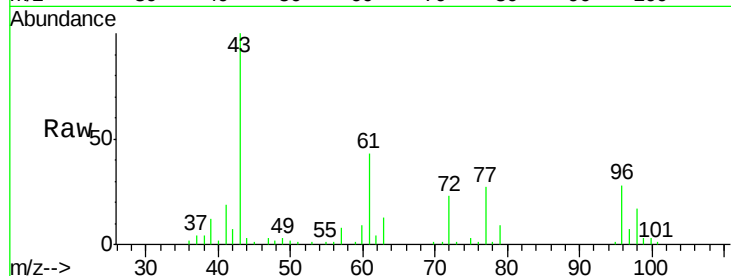
VN0501WBSD02

Manual Integrations

APPROVED

MMDadoda

5/4/2020 2:58:12 PM



#26

2,2-Dichloropropane

Concen: 14.849 ug/l

RT: 6.77 min Scan# 1610

Delta R.T. -0.01 min

Lab File: VN061249.D

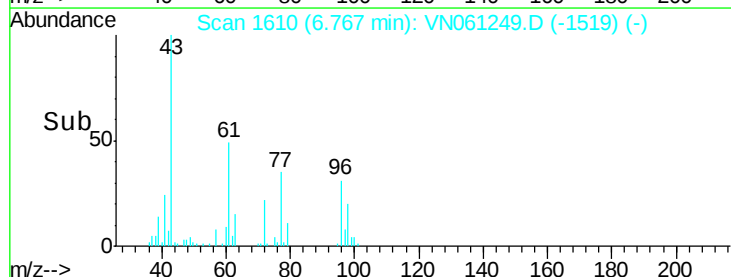
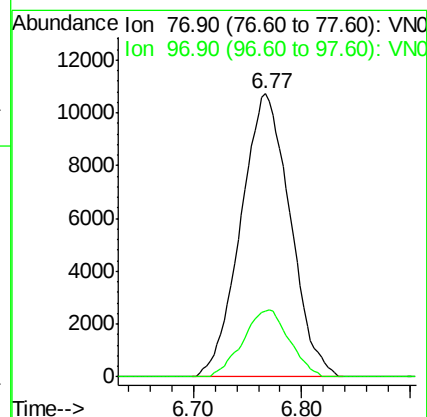
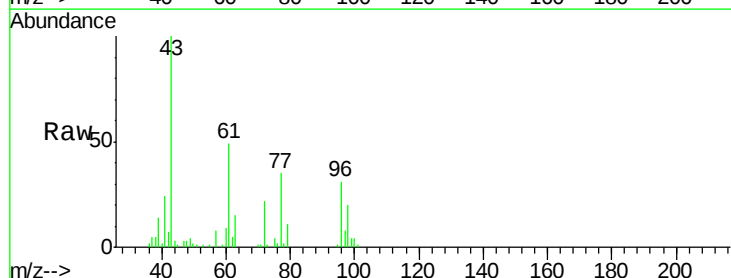
Acq: 2 May 2020 3:37

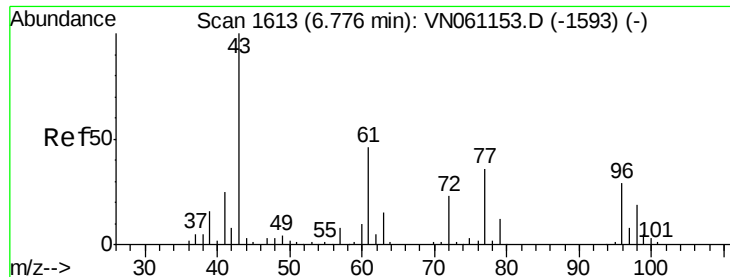
Tgt Ion: 77 Resp: 34031

Ion Ratio Lower Upper

77 100

97 22.2 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 18.503 ug/l

RT: 6.77 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Instrument :

MSVOA_N

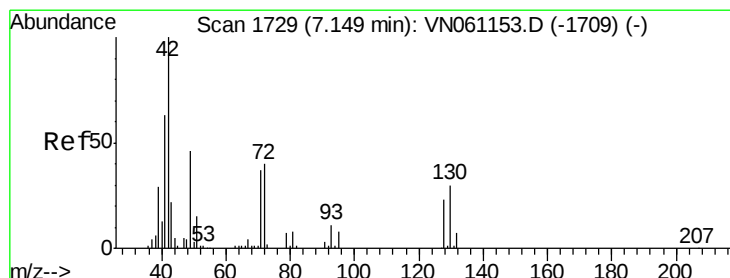
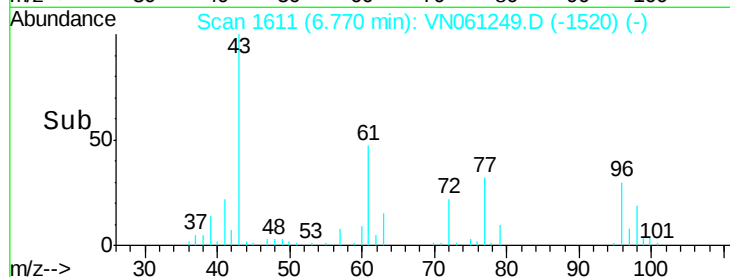
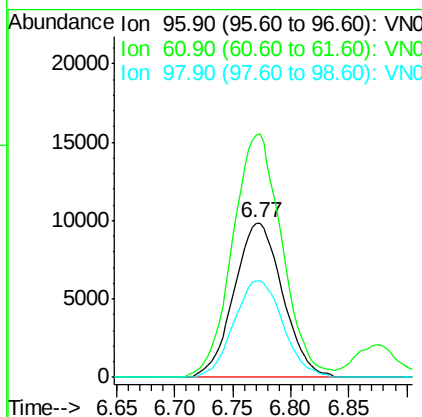
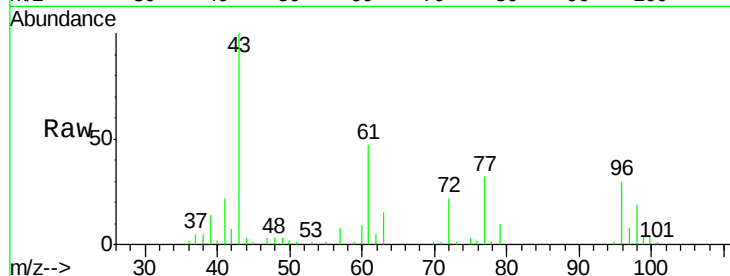
ClientSampleId :

VN0501WBSD02

Tot Ion:	96	Resp:	28638
Ion	Ratio	Lower	Upper
96	100		
61	160.4	0.0	322.0
98	63.2	0.0	129.6

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:12 PM



#28

Bromochloromethane

Concen: 19.224 ug/l

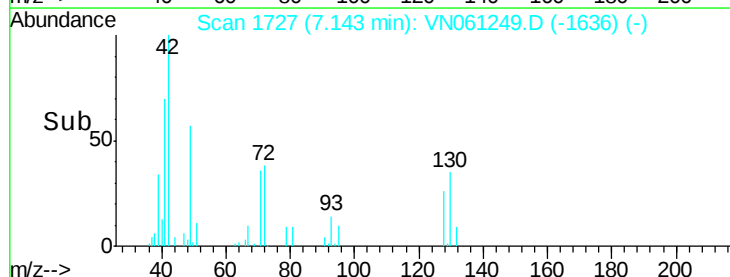
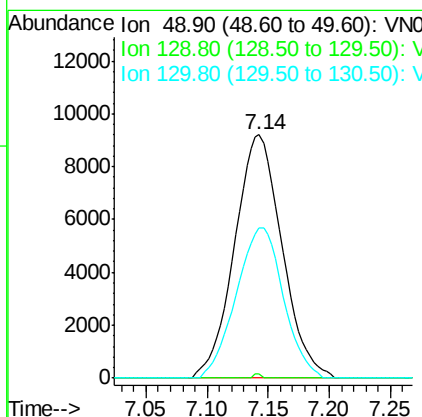
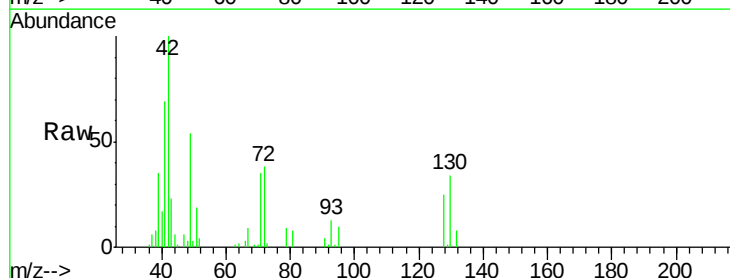
RT: 7.14 min Scan# 1727

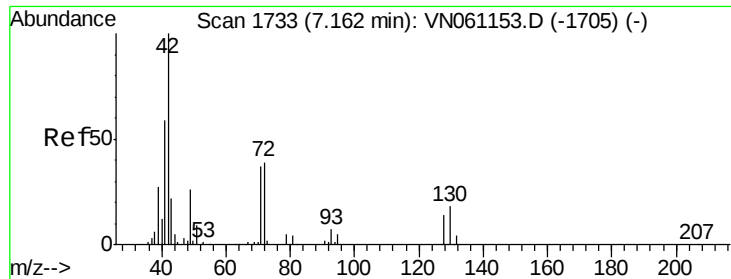
Delta R.T. -0.01 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Tgt Ion:	49	Resp:	24793
Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	3.0
130	61.3	51.4	77.2





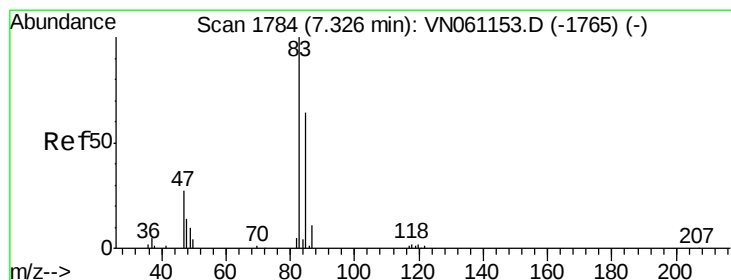
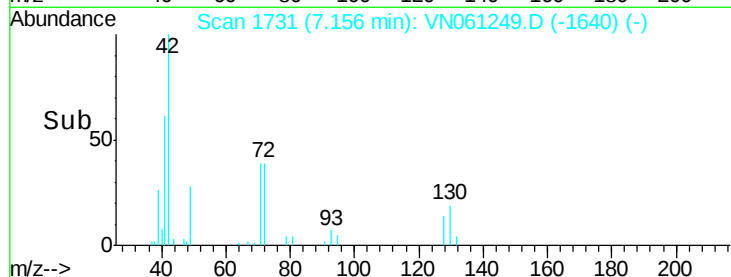
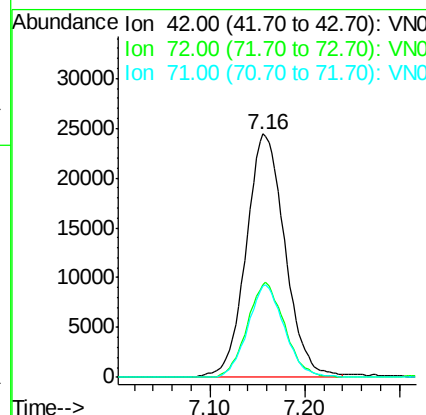
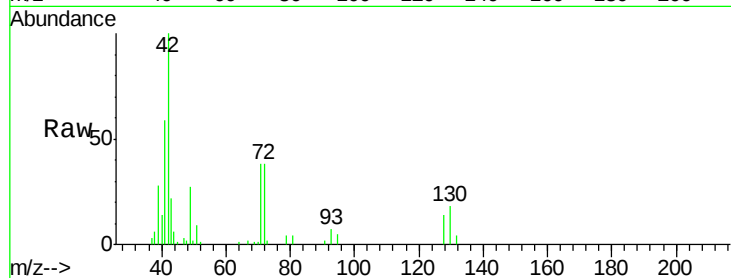
#29
Tetrahydrofuran
Concen: 96.207 ug/l
RT: 7.16 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	31.4	47.0
71	35.6	29.5	44.3

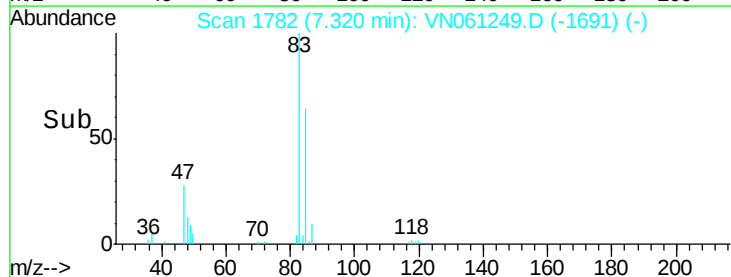
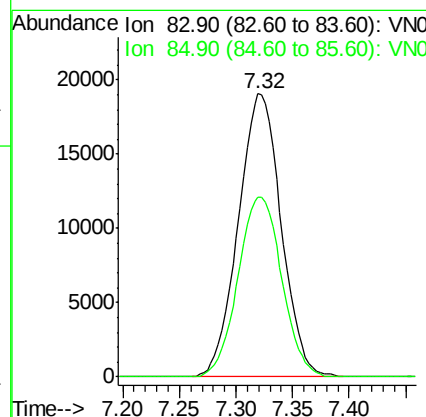
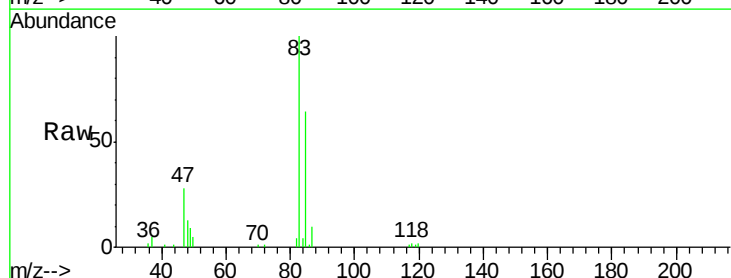
Manual Integrations
APPROVED

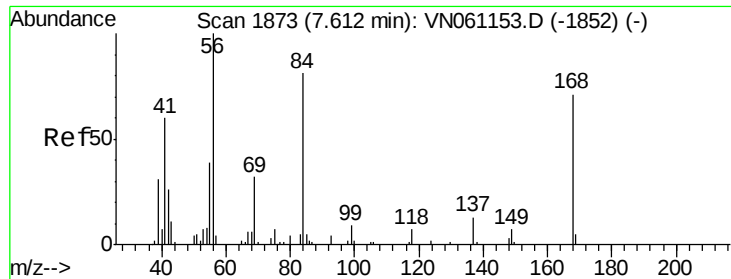
MMDadoda
5/4/2020 2:58:12 PM



#30
Chloroform
Concen: 18.222 ug/l
RT: 7.32 min Scan# 1782
Delta R.T. -0.01 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.1	76.7





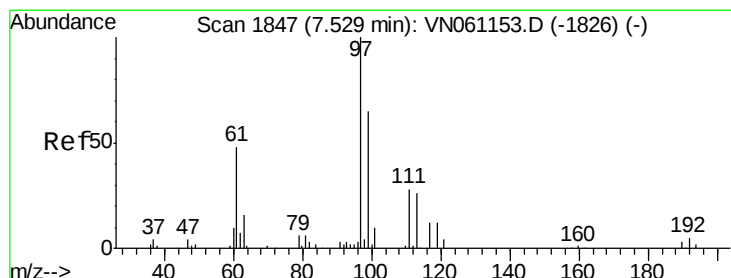
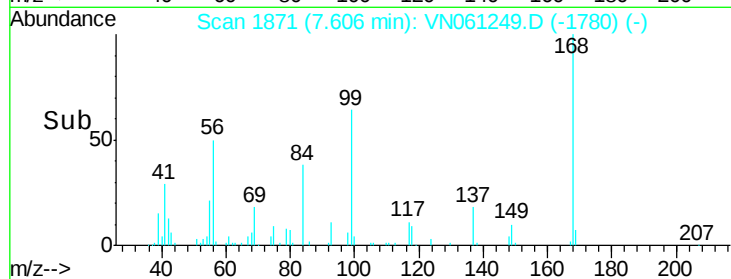
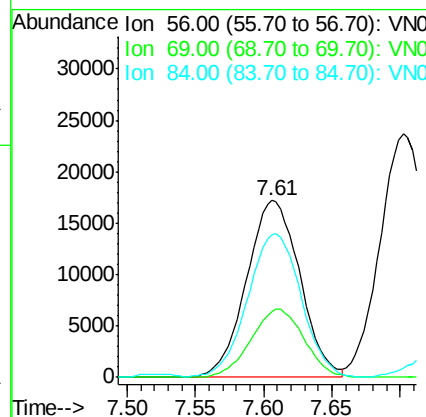
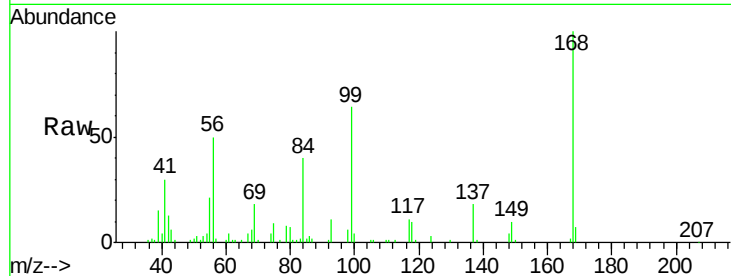
#31
Cyclohexane
Concen: 17.658 ug/l
RT: 7.61 min Scan# 1871
Delta R.T. -0.01 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.9	25.7	38.5
84	79.9	64.6	97.0

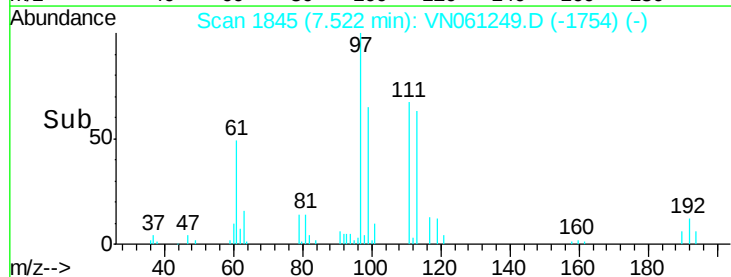
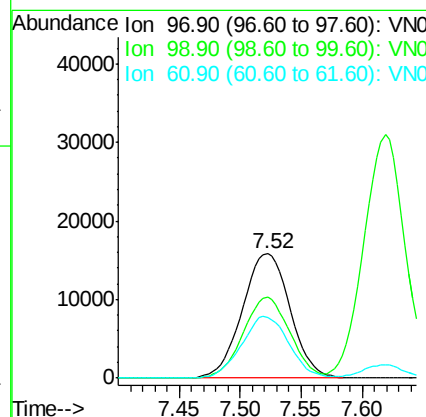
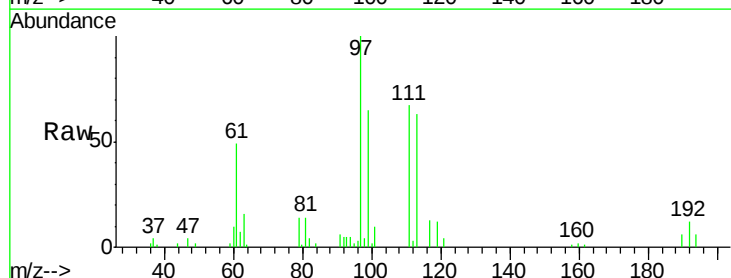
Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:12 PM



#32
1,1,1-Trichloroethane
Concen: 17.880 ug/l
RT: 7.52 min Scan# 1845
Delta R.T. -0.01 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.3	76.9
61	49.2	38.6	57.8





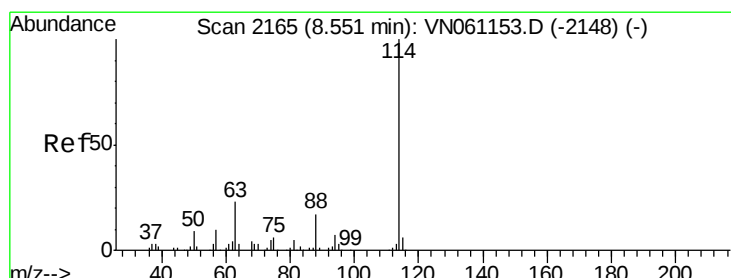
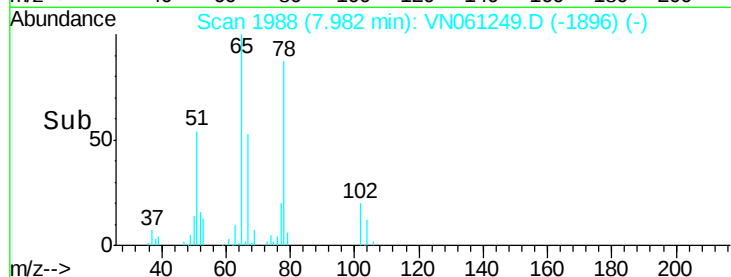
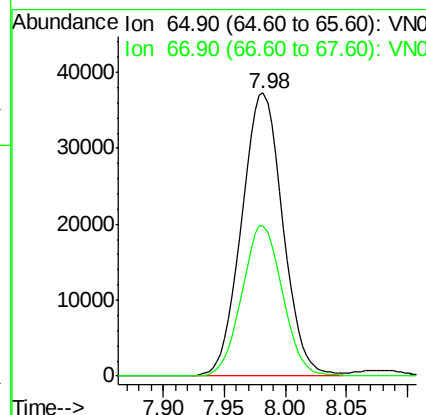
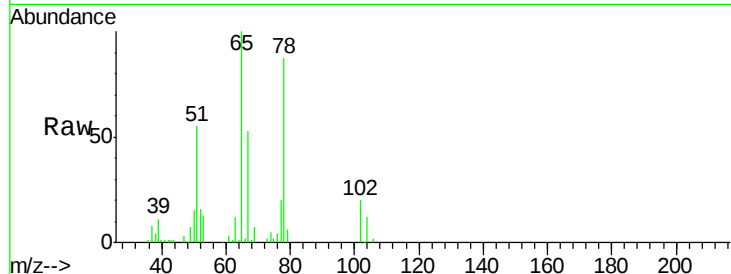
#33
 1,2-Dichloroethane-d4
 Concen: 48.022 ug/l
 RT: 7.98 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	101.6	

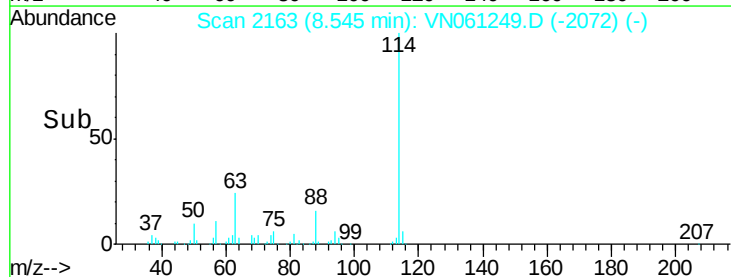
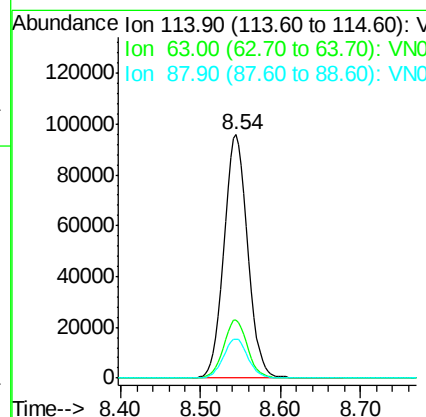
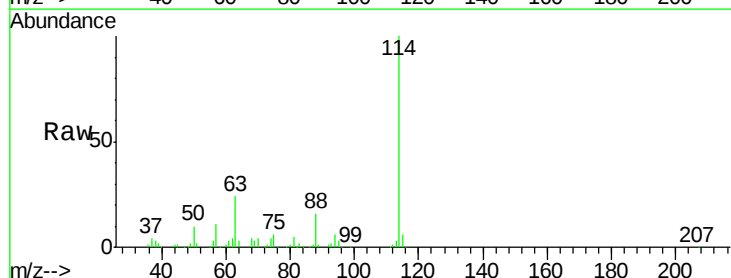
Manual Integrations
 APPROVED

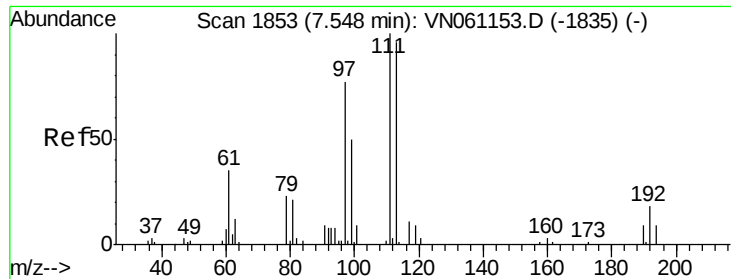
MMDadoda
 5/4/2020 2:58:12 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2163
 Delta R.T. -0.01 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.8	0.0	46.6	
88	16.0	0.0	33.4	





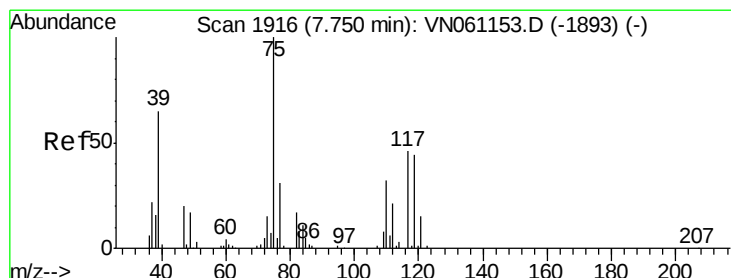
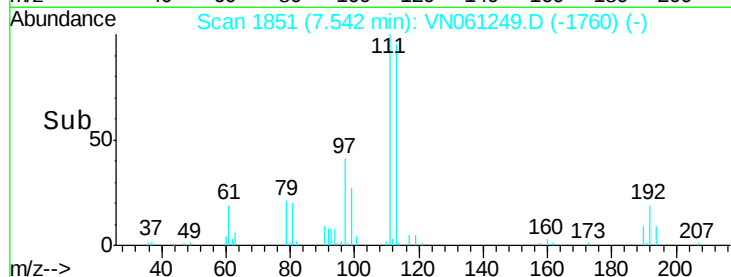
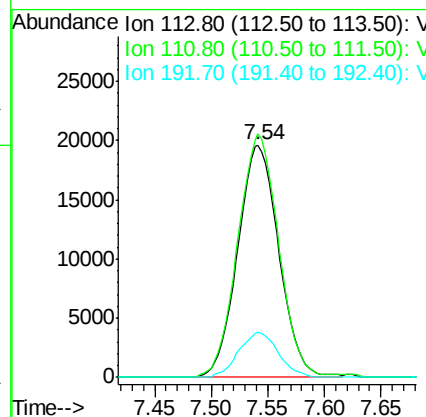
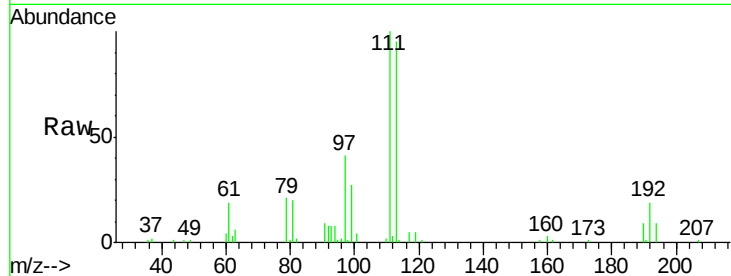
#35
 Dibromofluoromethane
 Concen: 42.577 ug/l
 RT: 7.54 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	49647		
111	104.1	82.9	124.3	
192	18.6	14.7	22.1	

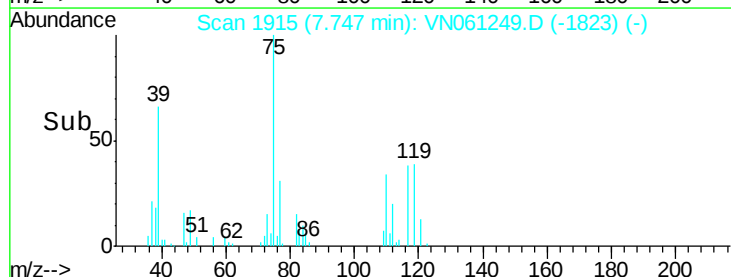
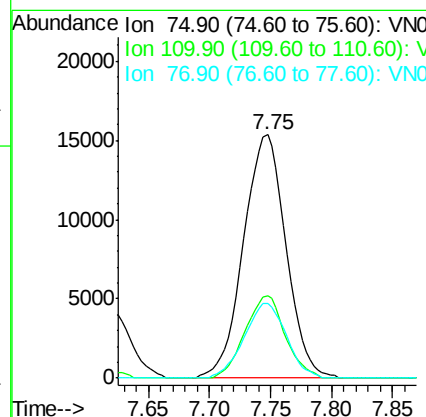
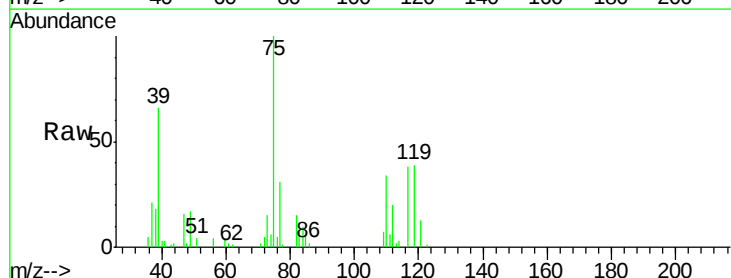
Manual Integrations
 APPROVED

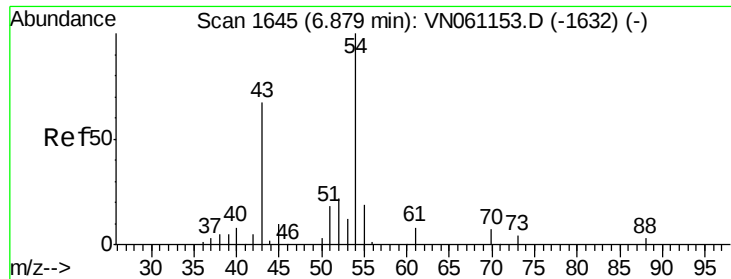
MMDadoda
 5/4/2020 2:58:12 PM



#36
 1,1-Dichloropropene
 Concen: 18.755 ug/l
 RT: 7.75 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37023		
110	31.9	16.0	48.0	
77	30.4	24.6	37.0	





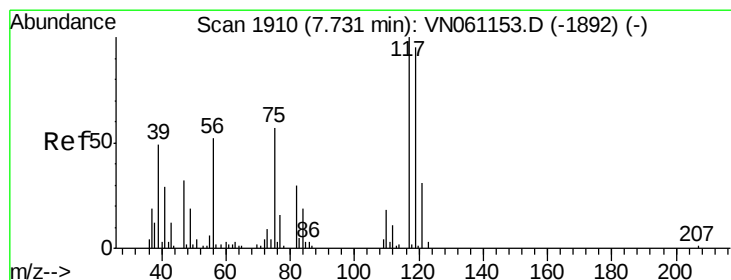
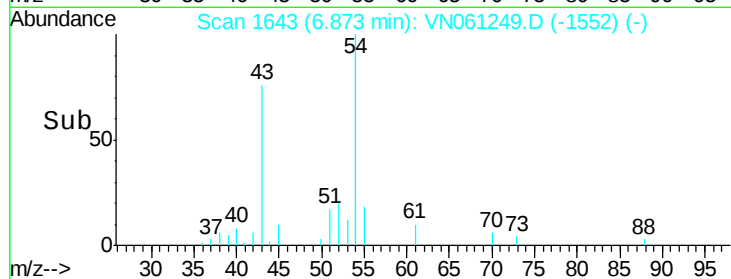
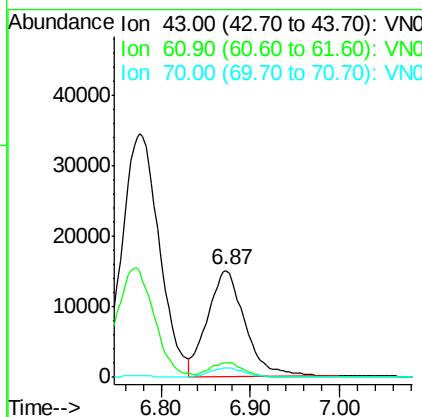
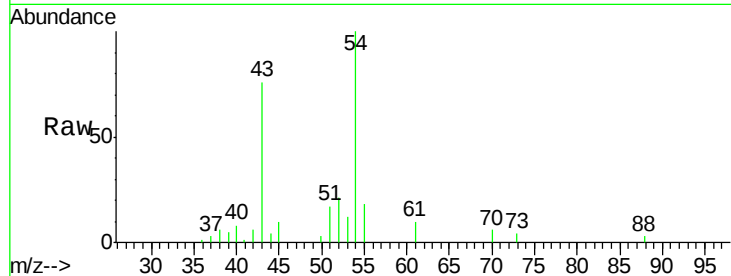
#37
Ethyl Acetate
Concen: 18.865 ug/l
RT: 6.87 min Scan# 1643
Delta R.T. -0.01 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	12.6	10.2	15.2	
70	8.2	7.2	10.8	

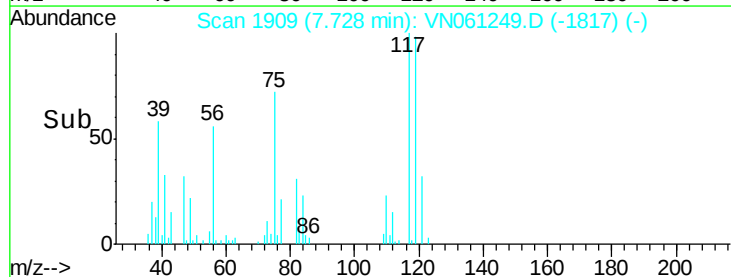
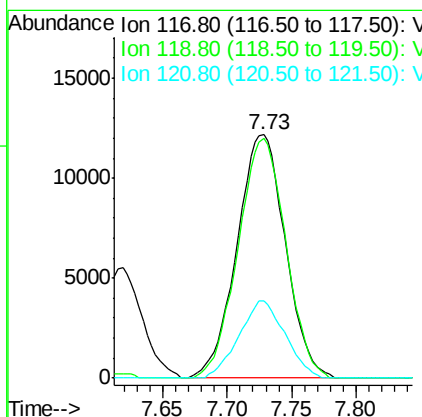
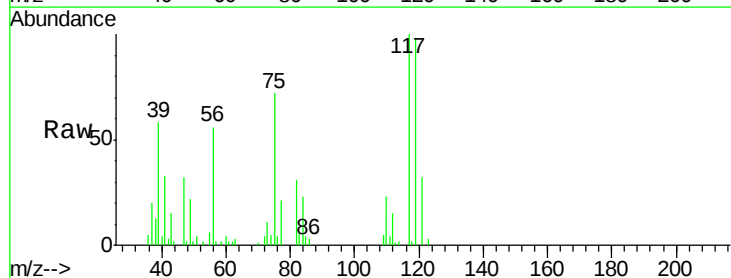
Manual Integrations
APPROVED

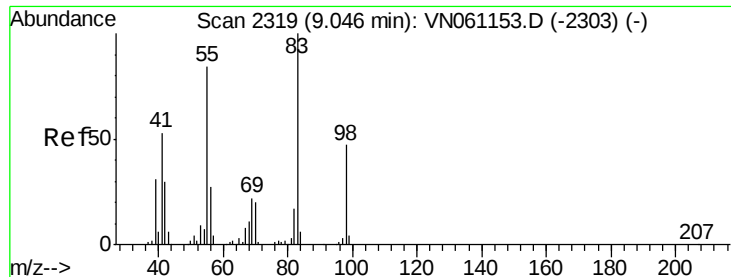
MMDadoda
5/4/2020 2:58:12 PM



#38
Carbon Tetrachloride
Concen: 19.171 ug/l
RT: 7.73 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	98.5	75.8	113.6	
121	31.8	24.7	37.1	





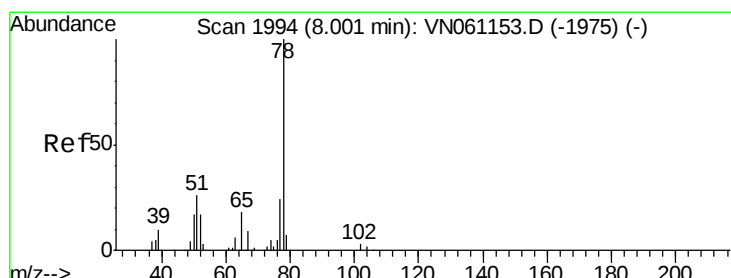
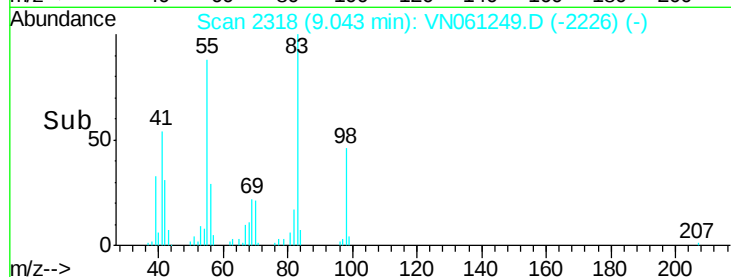
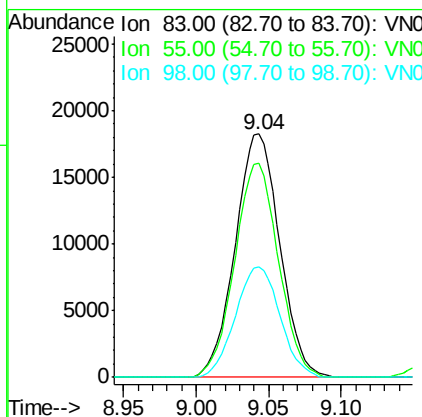
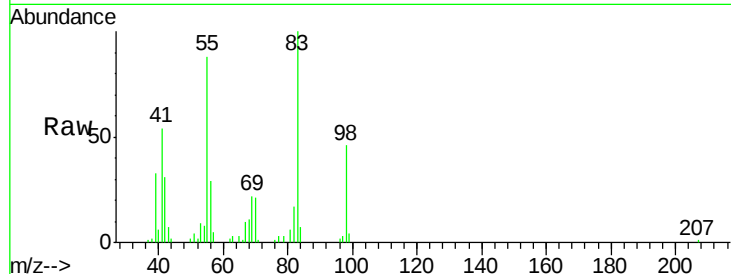
#39
Methvlcvclohexane
Concen: 17.601 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.9	67.3	100.9
98	45.5	37.7	56.5

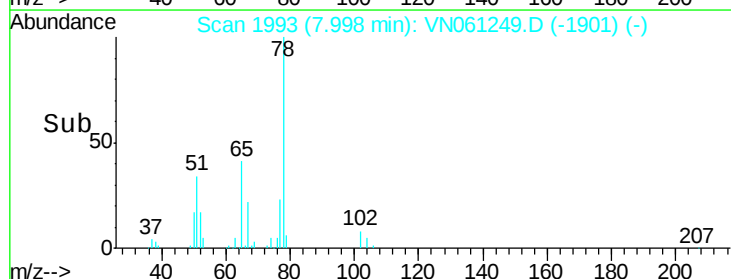
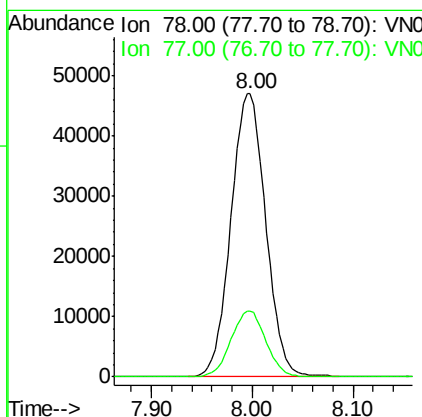
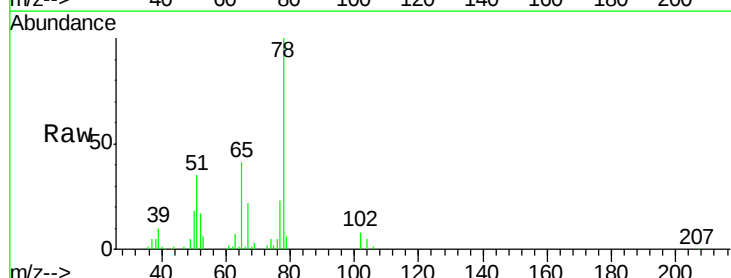
Manual Integrations
APPROVED

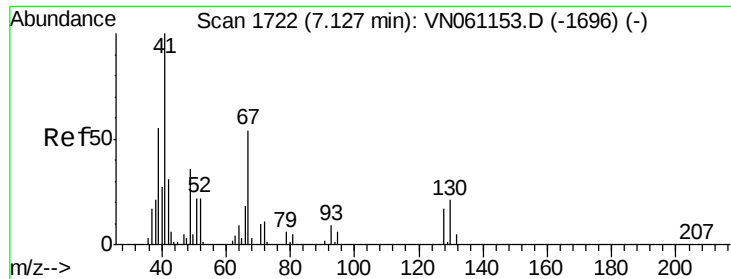
MMDadoda
5/4/2020 2:58:12 PM



#40
Benzene
Concen: 19.143 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





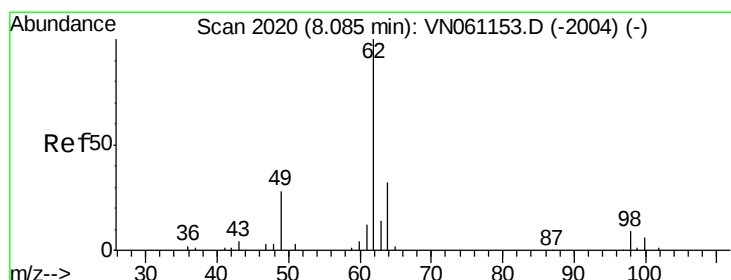
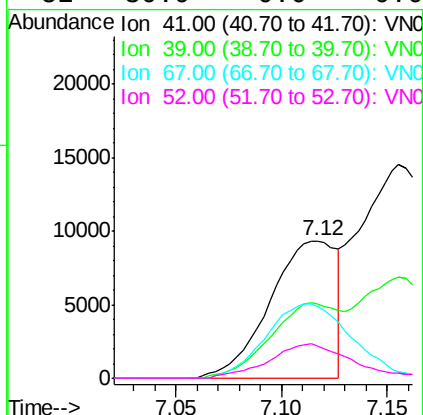
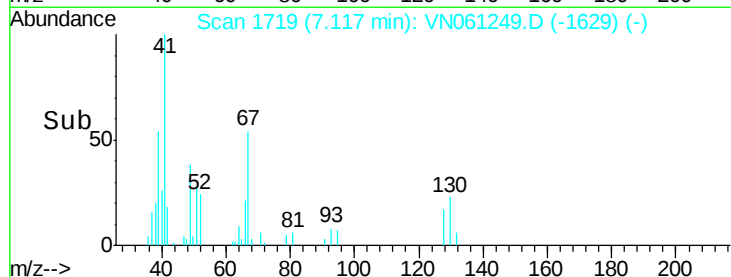
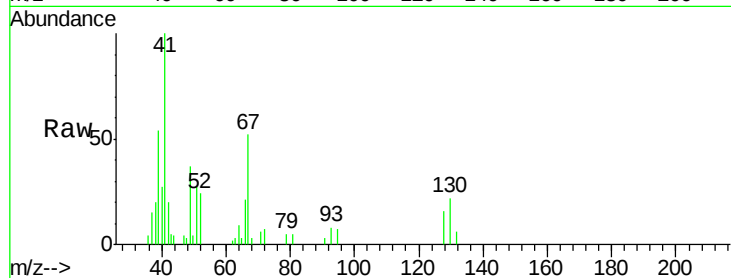
#41
Methacrylonitrile
Concen: 21.338 ug/l
RT: 7.12 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

Tot Ion	41	Resp:	20502
Ion Ratio	Lower	Upper	
41	100		
39	57.9	0.0	0.0#
67	70.6	0.0	0.0#
52	30.9	0.0	0.0#

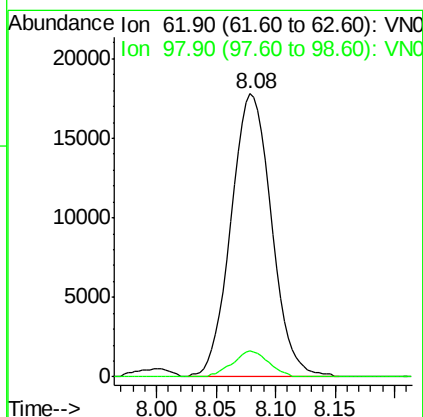
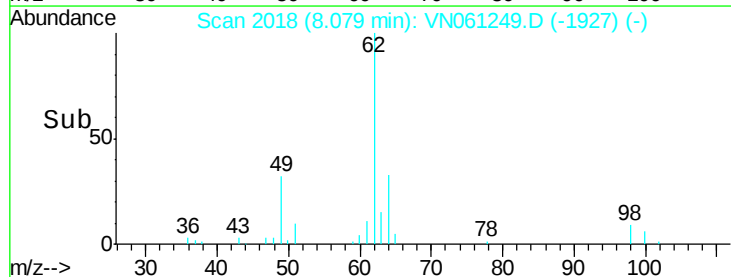
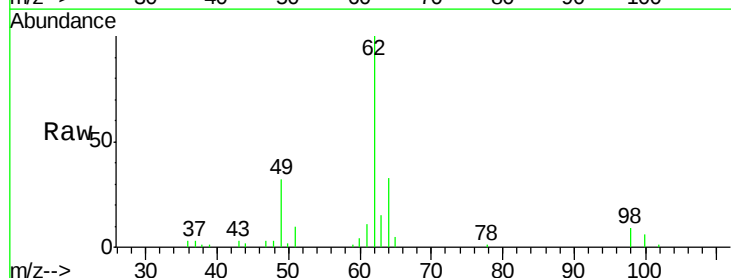
Manual Integrations
APPROVED

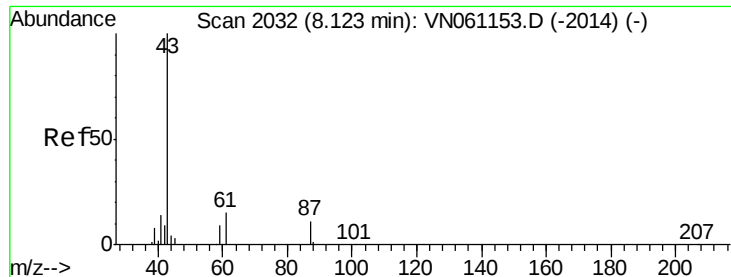
MMDadoda
5/4/2020 2:58:12 PM



#42
1,2-Dichloroethane
Concen: 18.894 ug/l
RT: 8.08 min Scan# 2018
Delta R.T. -0.01 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion	62	Resp:	42095
Ion Ratio	Lower	Upper	
62	100		
98	8.2	0.0	16.8





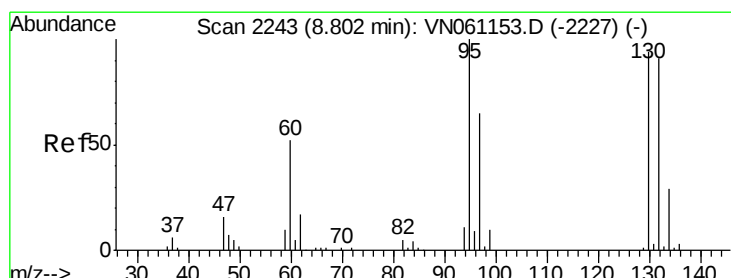
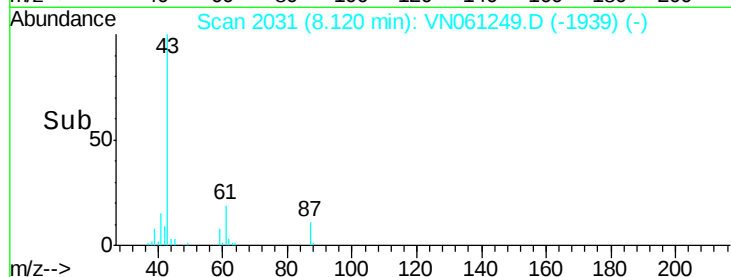
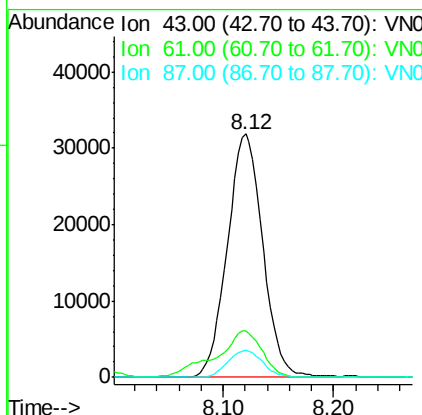
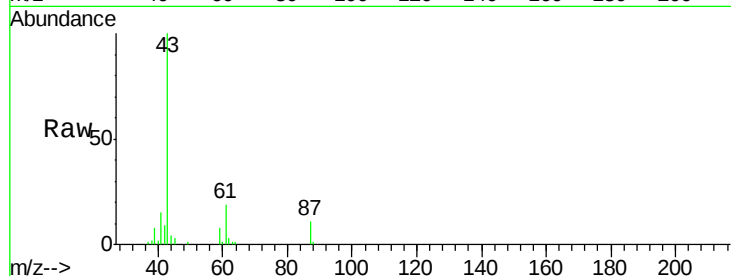
#43
Isopropyl Acetate
Concen: 18.469 ug/l
RT: 8.12 min Scan# 2031
Delta R.T. -0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	19.5	29.3
87	10.8	8.9	13.3

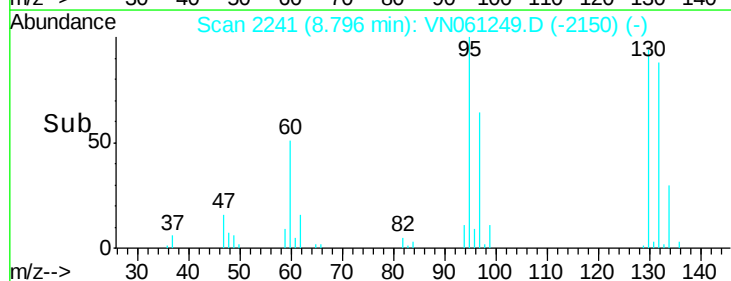
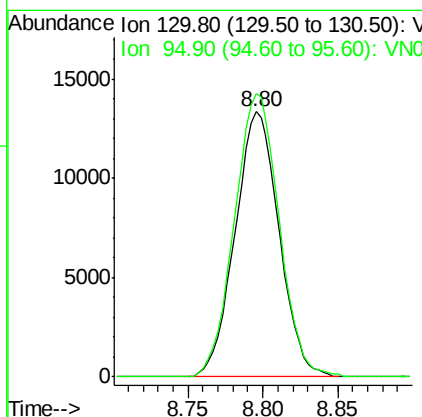
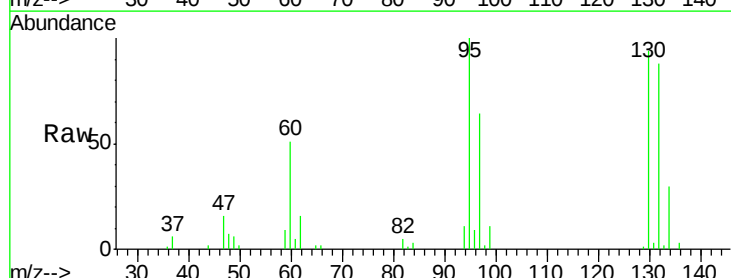
Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:12 PM



#44
Trichloroethene
Concen: 17.155 ug/l
RT: 8.80 min Scan# 2241
Delta R.T. -0.01 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	212.4





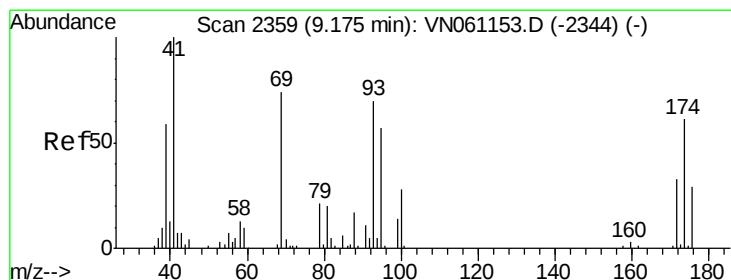
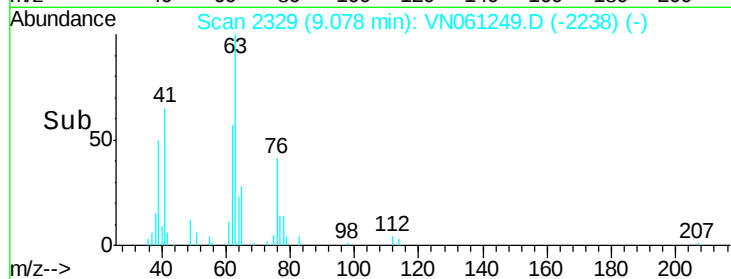
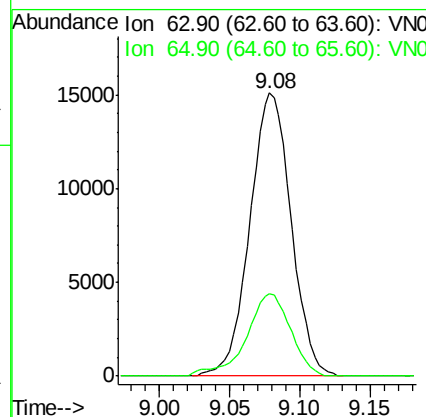
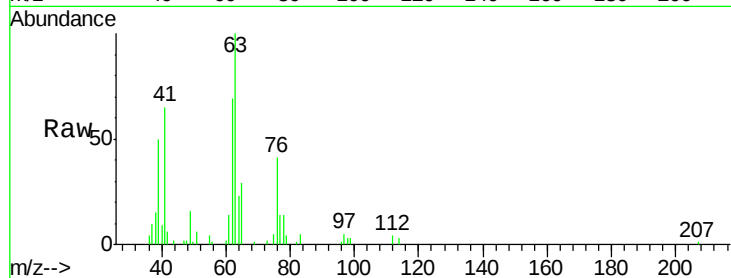
#45
 1,2-Dichloropropane
 Concen: 19.663 ug/l
 RT: 9.08 min Scan# 2329
 Delta R.T. -0.01 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.7	37.1

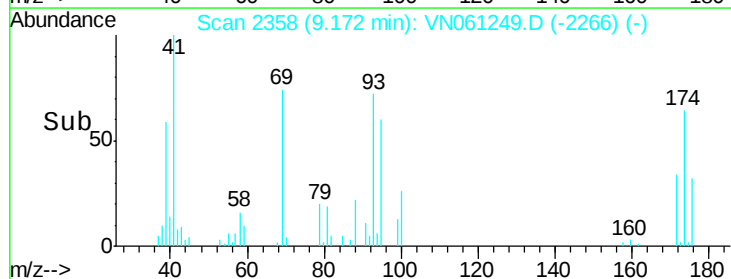
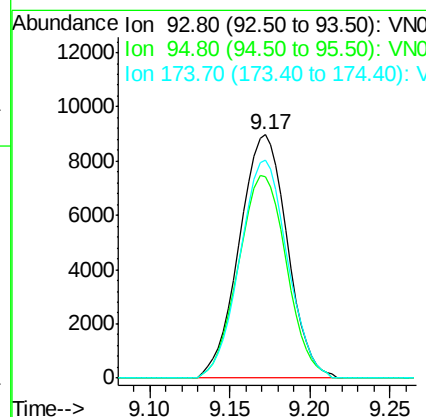
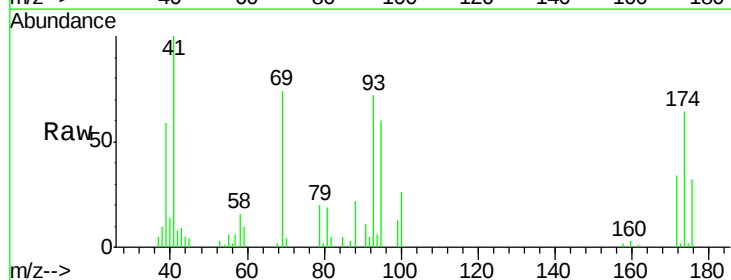
Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:58:12 PM



#46
 Dibromomethane
 Concen: 18.915 ug/l
 RT: 9.17 min Scan# 2358
 Delta R.T. -0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.6	99.8
174	88.6	70.2	105.2





#47

Bromodichloromethane

Concen: 18.910 ug/l

RT: 9.36 min Scan# 2418

Delta R.T. -0.01 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Instrument :

MSVOA_N

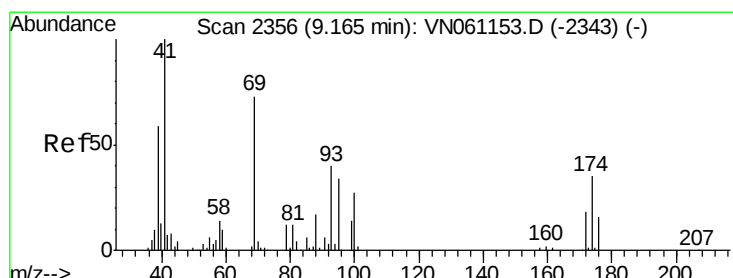
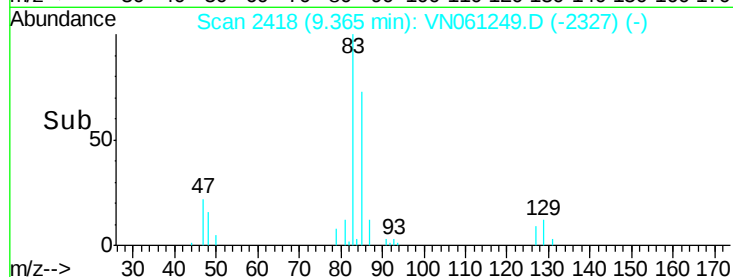
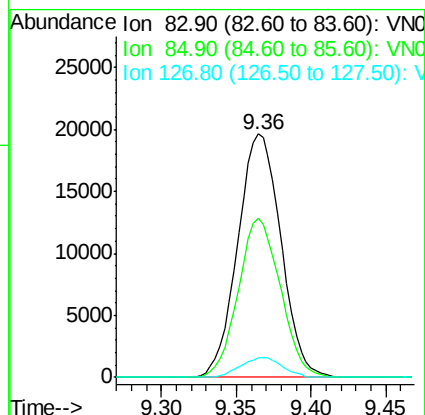
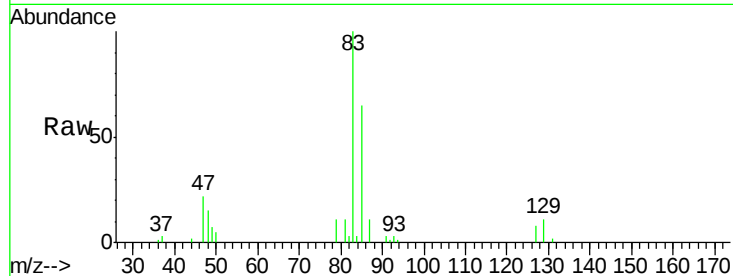
ClientSampleId :

VN0501WBSD02

Tot Ion:	83	Resp:	39484
Ion Ratio	Lower	Upper	
83	100		
85	65.2	50.4	75.6
127	7.8	6.2	9.2

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:12 PM



#48

Methyl methacrylate

Concen: 18.284 ug/l

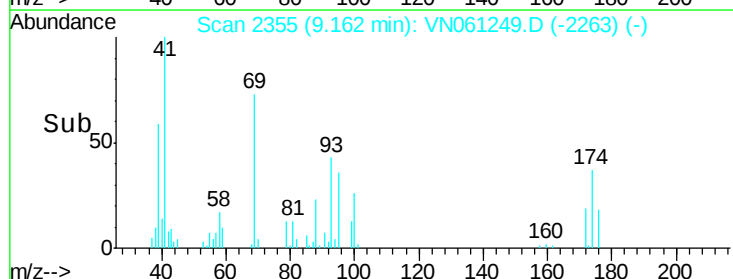
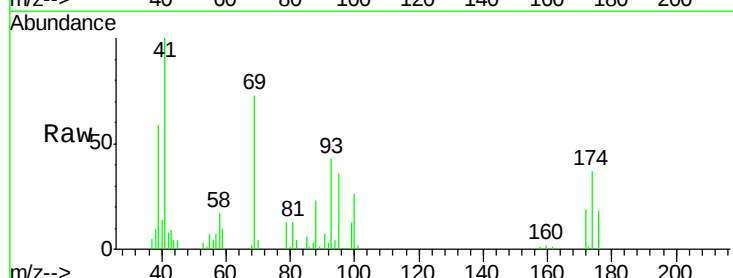
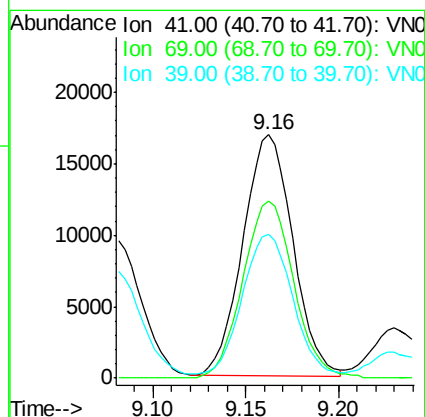
RT: 9.16 min Scan# 2355

Delta R.T. -0.00 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Tgt Ion:	41	Resp:	31688
Ion Ratio	Lower	Upper	
41	100		
69	74.8	60.3	90.5
39	61.2	47.4	71.0





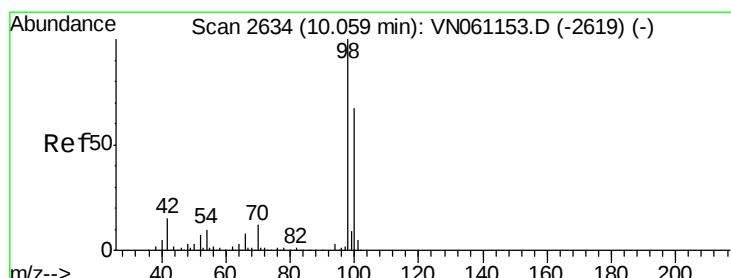
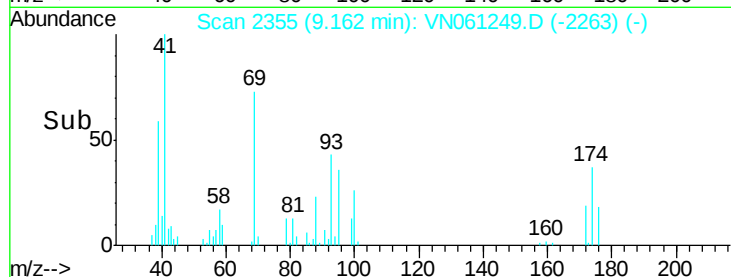
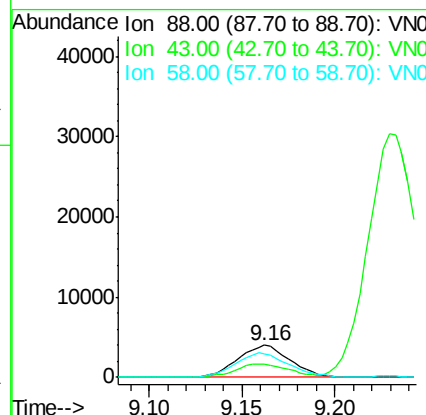
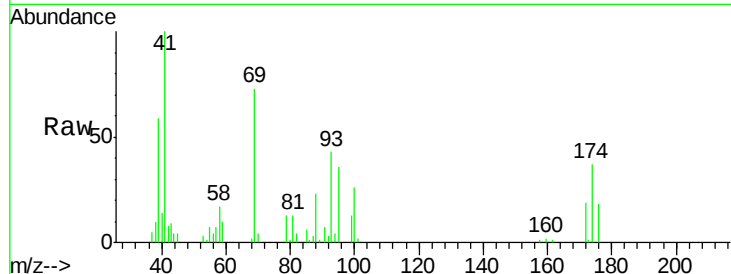
#49
1,4-Dioxane
Concen: 391.558 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.6	35.3	52.9
58	78.6	61.5	92.3

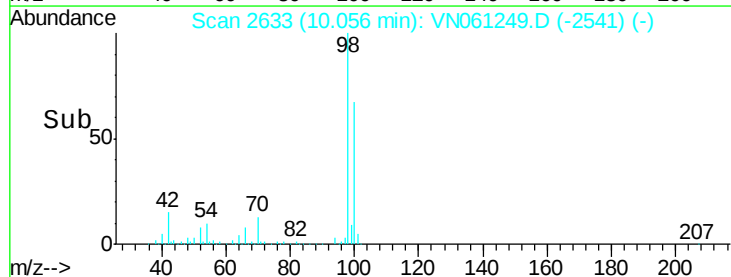
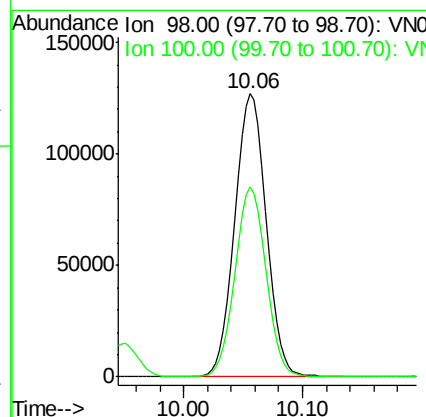
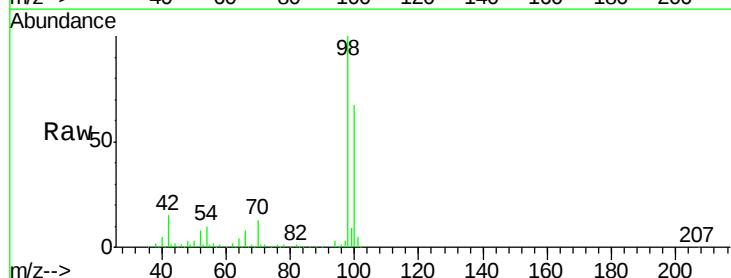
Manual Integrations
APPROVED

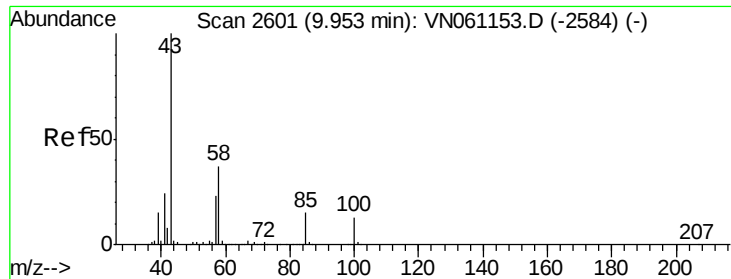
MMDadoda
5/4/2020 2:58:12 PM



#50
Toluene-d8
Concen: 49.075 ug/l
RT: 10.06 min Scan# 2633
Delta R.T. -0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.4	80.0





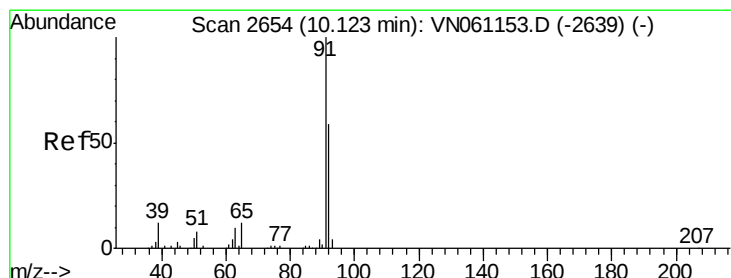
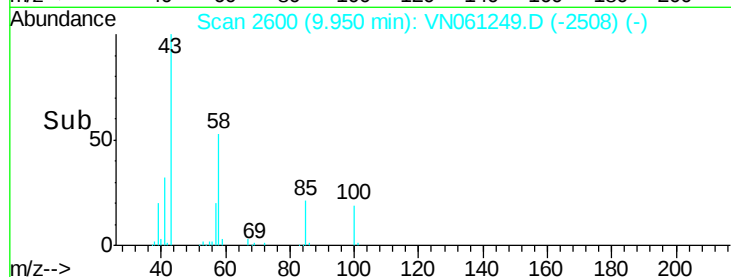
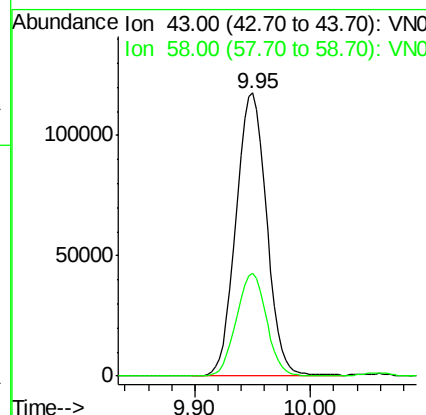
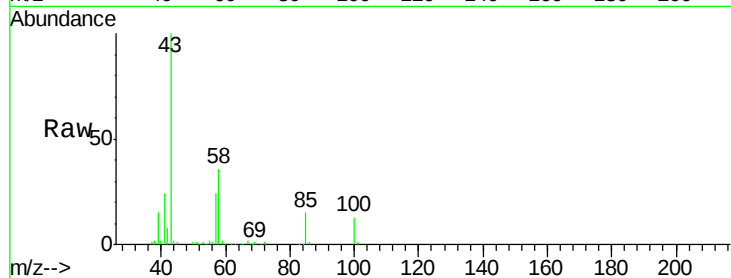
#51
 4-Methyl-2-Pentanone
 Concen: 95.145 ug/l
 RT: 9.95 min Scan# 2600
 Delta R.T. -0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0501WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
43	100	215090		
58	35.7	29.1	43.7	

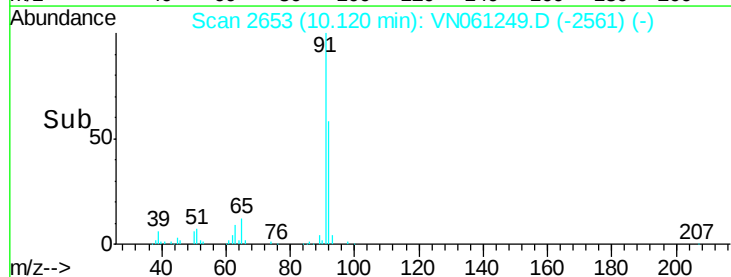
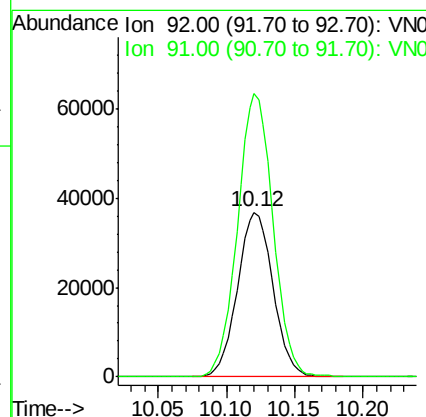
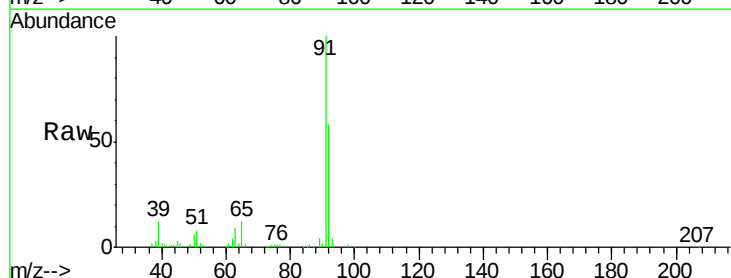
Manual Integrations
 APPROVED

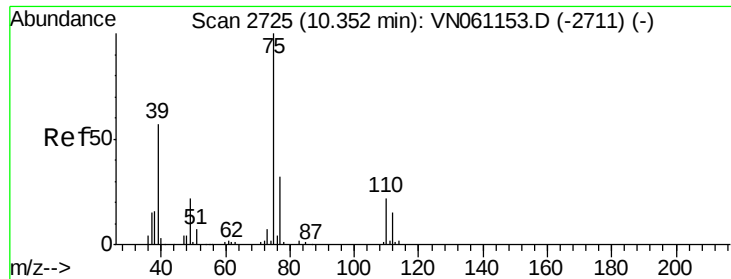
MMDadoda
 5/4/2020 2:58:12 PM



#52
 Toluene
 Concen: 18.810 ug/l
 RT: 10.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Resp	Lower	Upper
92	100	66630		
91	171.5	136.2	204.2	





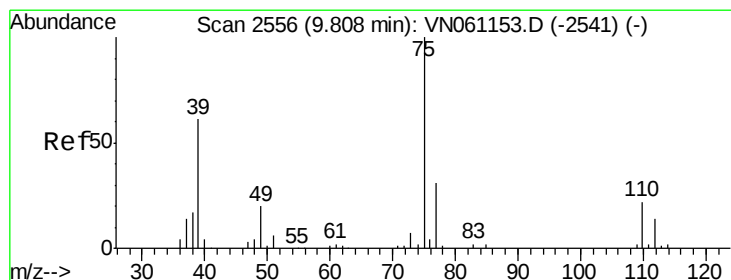
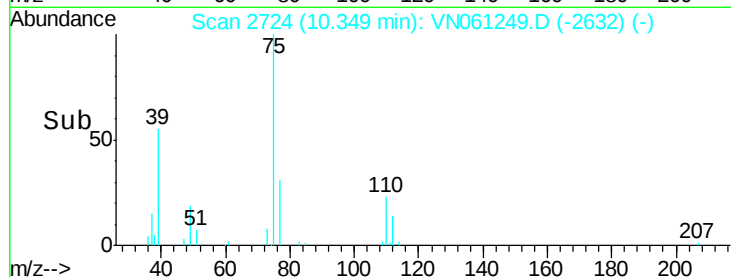
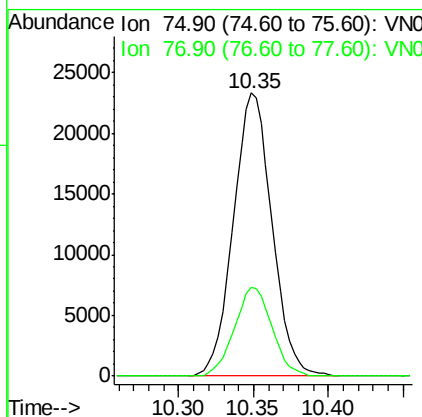
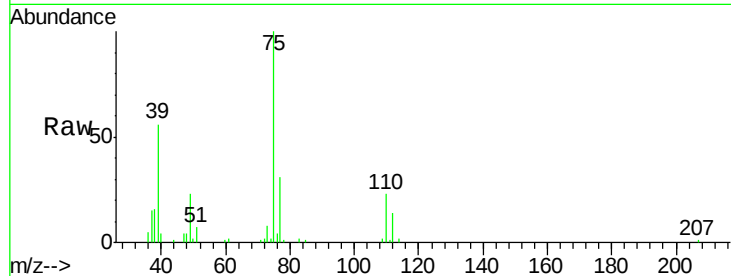
#53
t-1,3-Dichloropropene
Concen: 17.790 ug/l
RT: 10.35 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.5	38.3

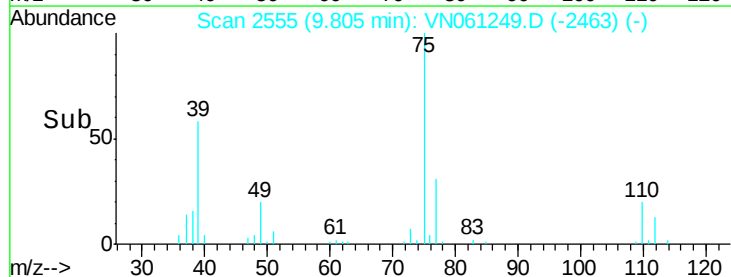
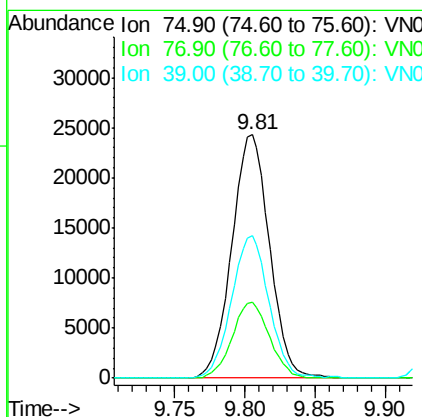
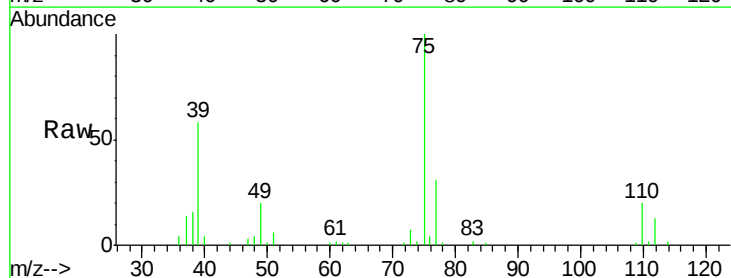
Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:12 PM



#54
cis-1,3-Dichloropropene
Concen: 18.301 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4
39	58.3	48.7	73.1





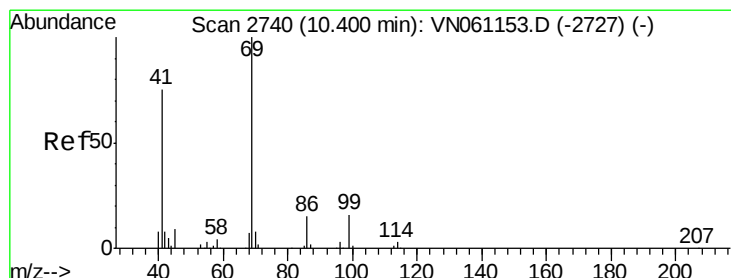
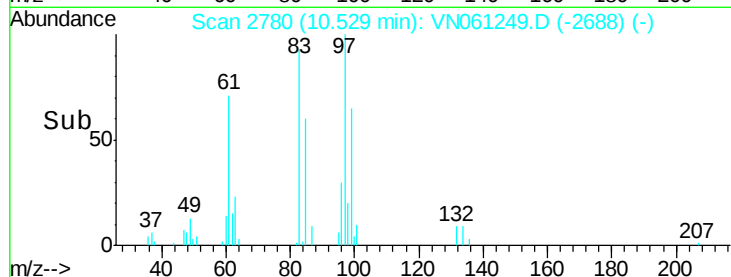
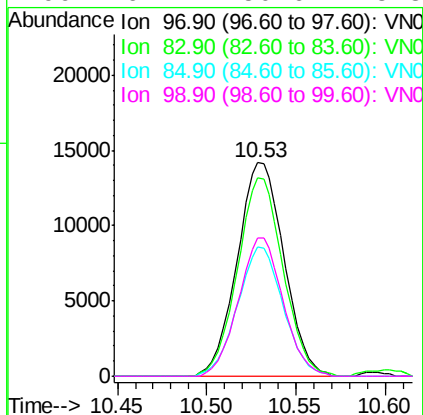
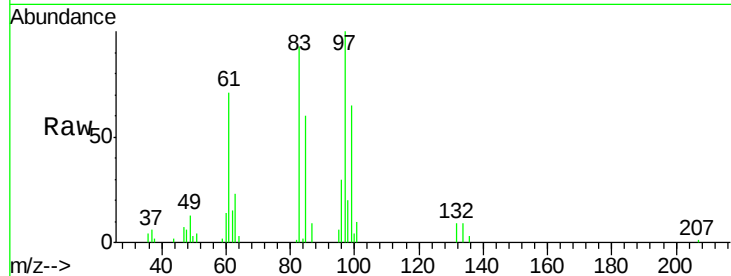
#55
 1,1,2-Trichloroethane
 Concen: 18.382 ug/l
 RT: 10.53 min Scan# 2780
 Delta R.T. -0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD02

Tot Ion:	97	Resp:	25972
Ion	Ratio	Lower	Upper
97	100		
83	92.9	70.6	106.0
85	60.5	46.4	69.6
99	64.7	50.6	75.8

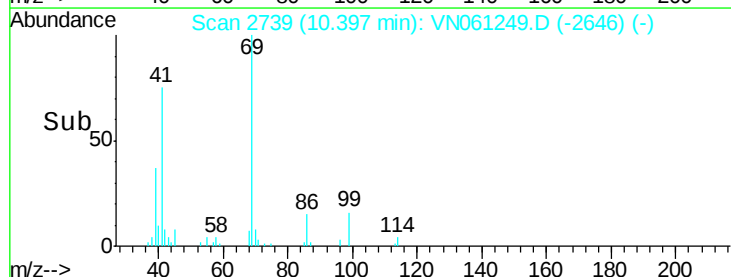
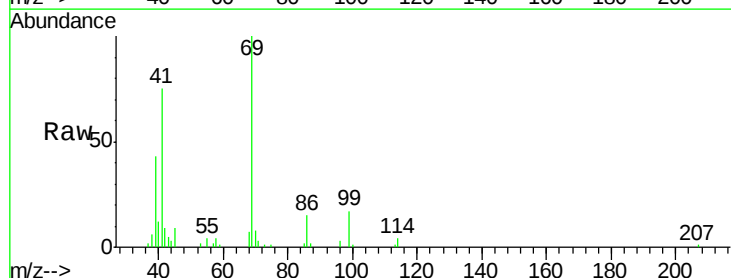
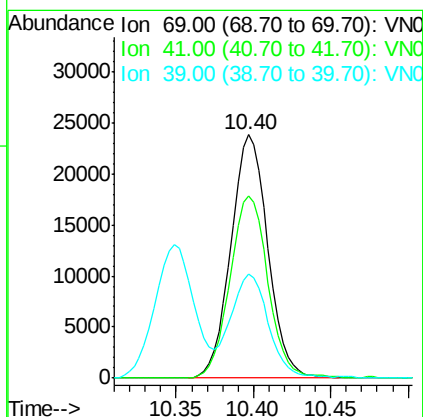
Manual Integrations
 APPROVED

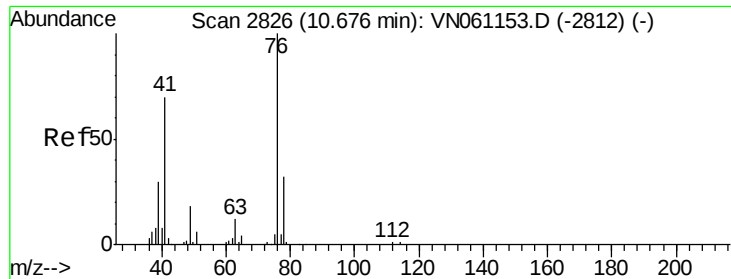
MMDadoda
 5/4/2020 2:58:12 PM



#56
 Ethyl methacrylate
 Concen: 17.903 ug/l
 RT: 10.40 min Scan# 2739
 Delta R.T. -0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Tgt Ion:	69	Resp:	39521
Ion	Ratio	Lower	Upper
69	100		
41	77.0	60.3	90.5
39	44.2	35.9	53.9





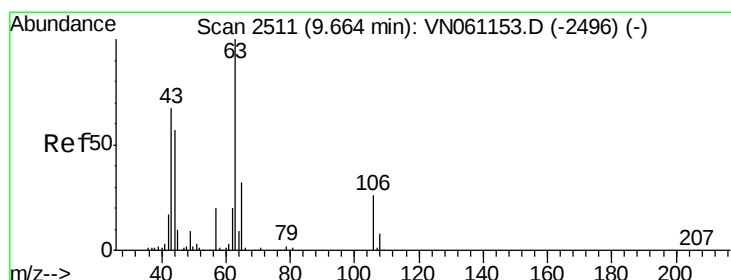
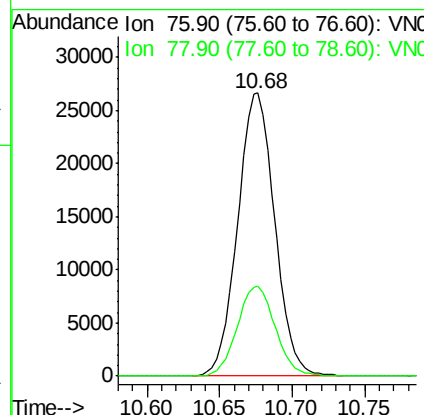
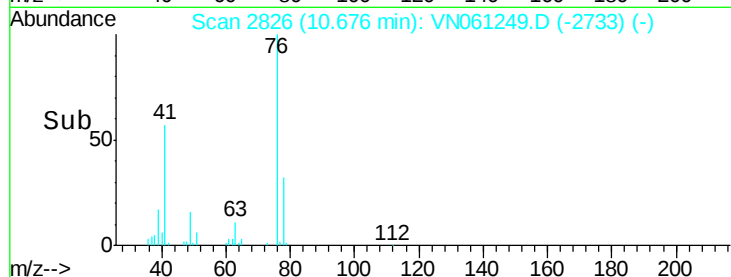
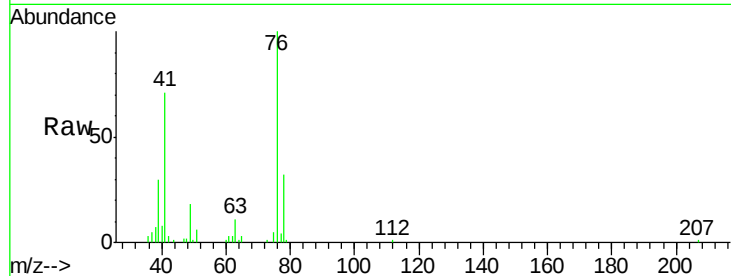
#57
 1,3-Dichloropropane
 Concen: 19.088 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD02

Tot Ion: 76 Resp: 47406
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3

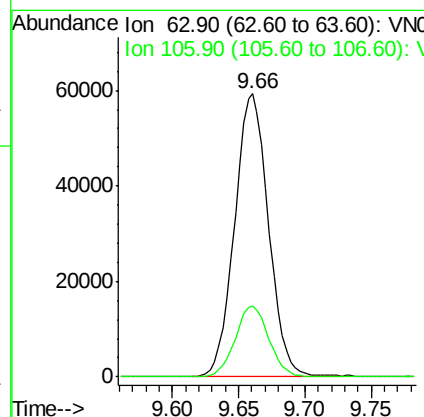
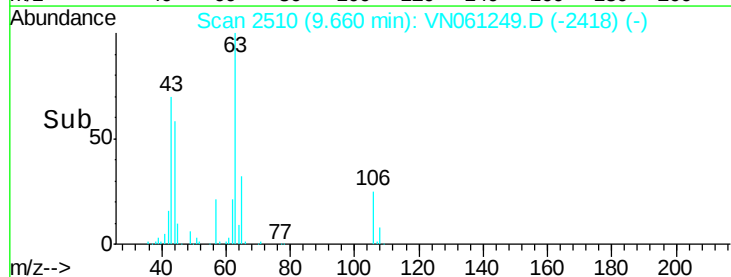
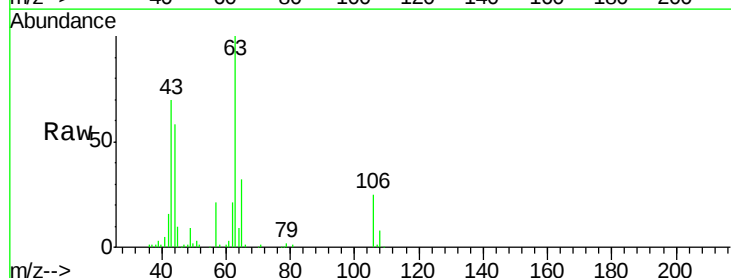
Manual Integrations
 APPROVED

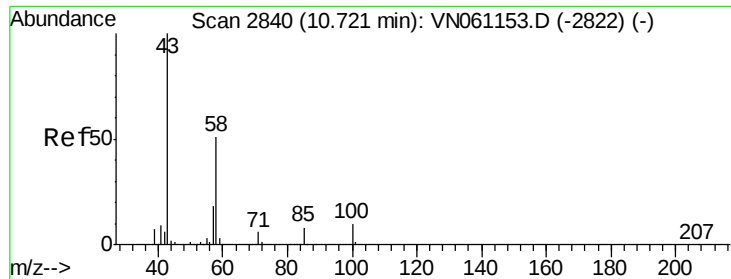
MMDadoda
 5/4/2020 2:58:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.125 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Tgt Ion: 63 Resp: 105362
 Ion Ratio Lower Upper
 63 100
 106 24.8 20.6 30.8





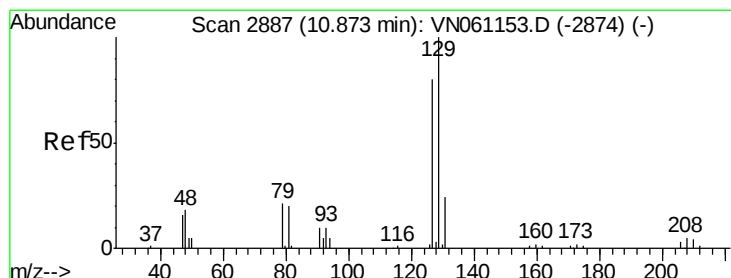
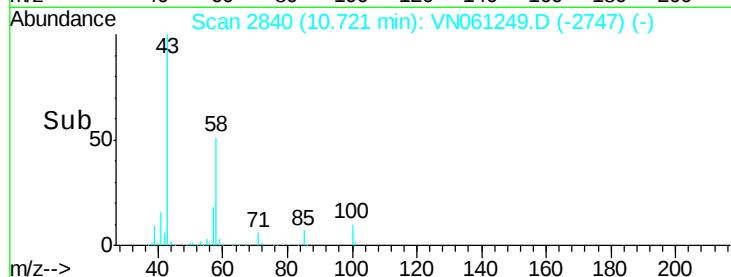
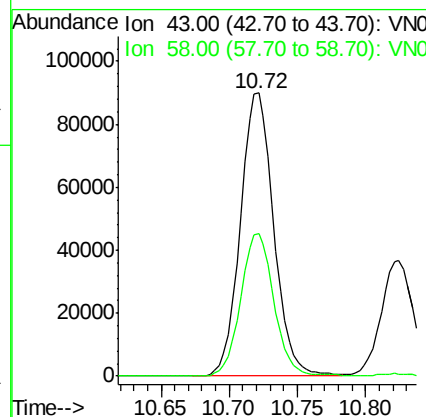
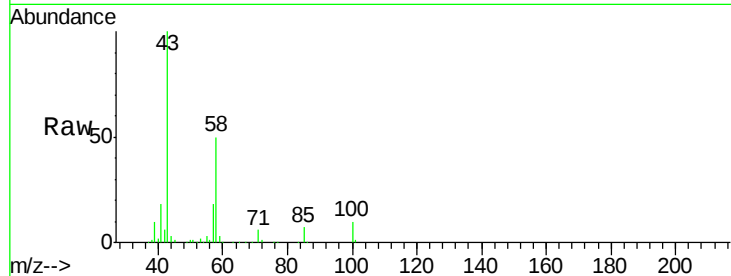
#59
2-Hexanone
Concen: 92.934 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

Tot Ion: 43 Resp: 152846
Ion Ratio Lower Upper
43 100
58 50.3 25.4 76.4

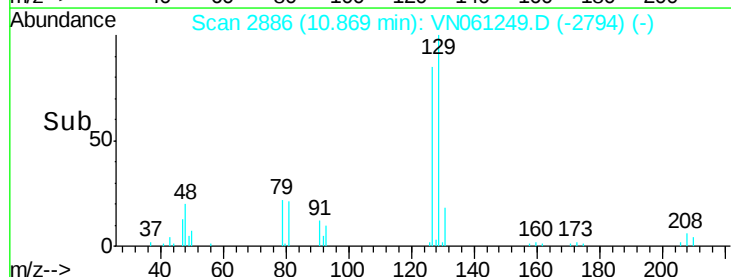
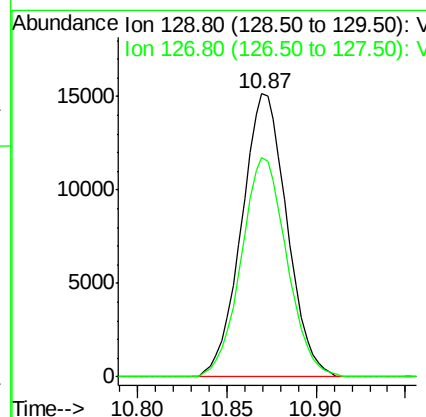
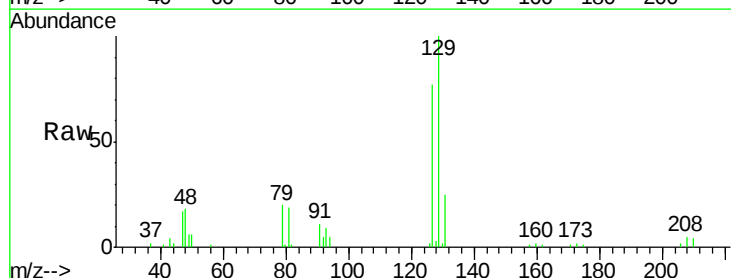
Manual Integrations
APPROVED

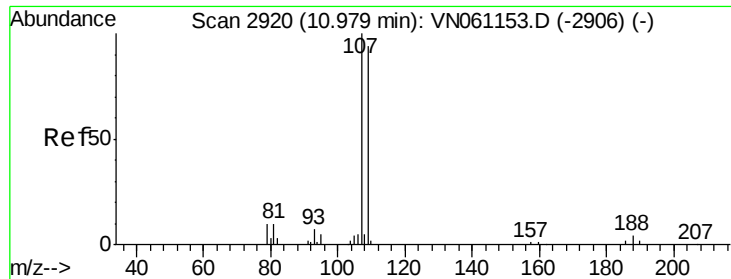
MMDadoda
5/4/2020 2:58:12 PM



#60
Dibromochloromethane
Concen: 18.198 ug/l
RT: 10.87 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion: 129 Resp: 26930
Ion Ratio Lower Upper
129 100
127 77.6 39.3 117.8





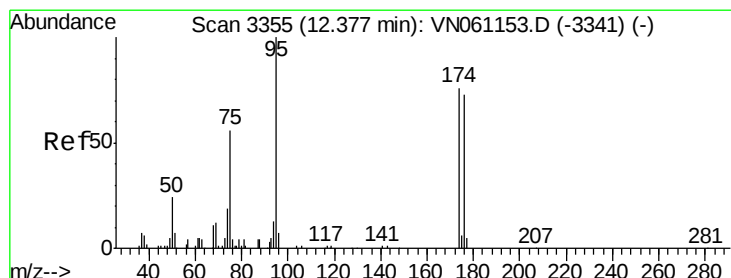
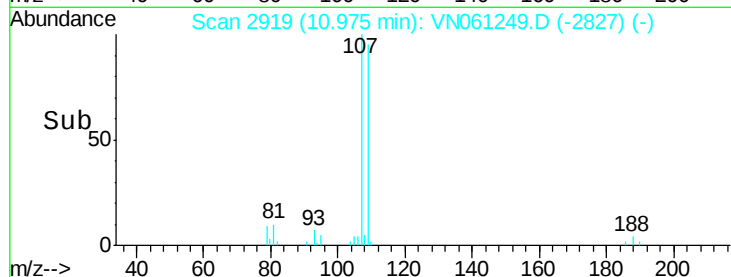
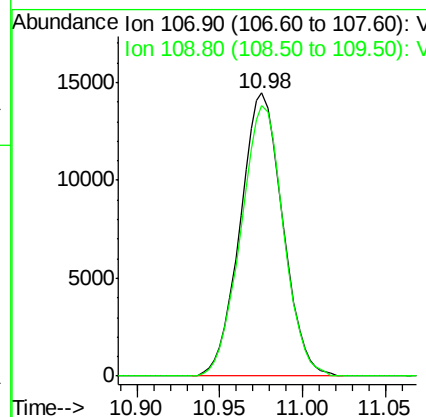
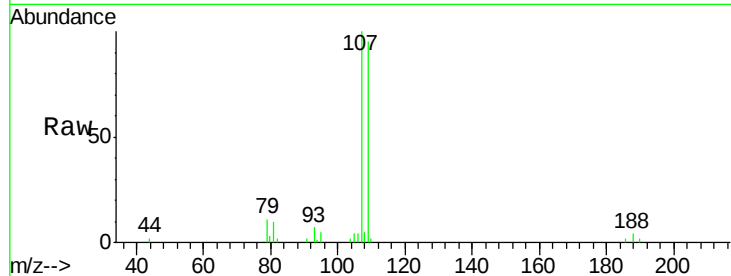
#61
 1,2-Dibromoethane
 Concen: 18.200 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	74.8	112.2

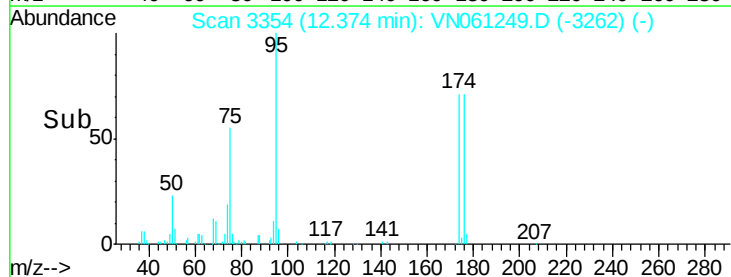
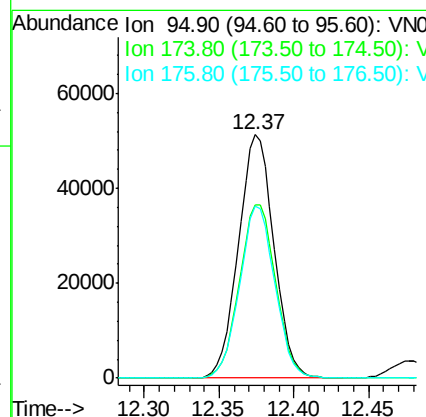
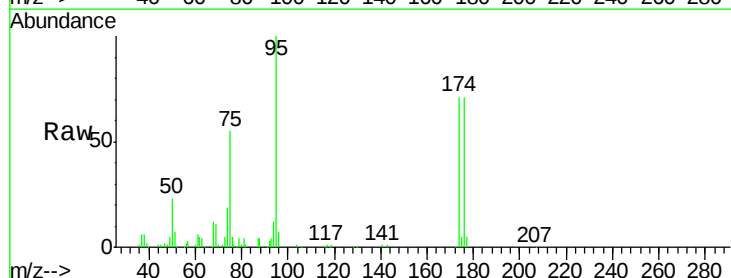
Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:58:12 PM



#62
 4-Bromofluorobenzene
 Concen: 47.348 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	149.4
176	70.1	0.0	144.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3044

Delta R.T. -0.00 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Instrument :

MSVOA_N

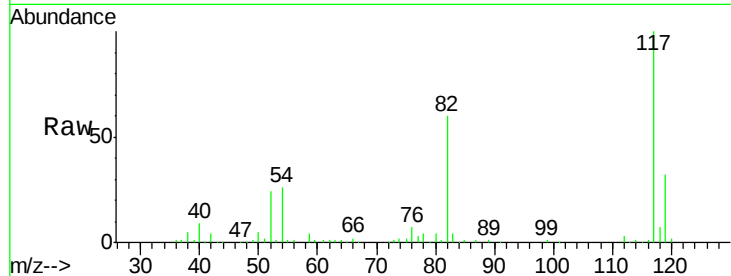
ClientSampleId :

VN0501WBSD02

Tot Ion:	117	Resp:	183205
Ion Ratio	Lower	Upper	
117	100		
82	60.0	47.8	71.8
119	31.7	25.8	38.6

Manual Integrations
APPROVED

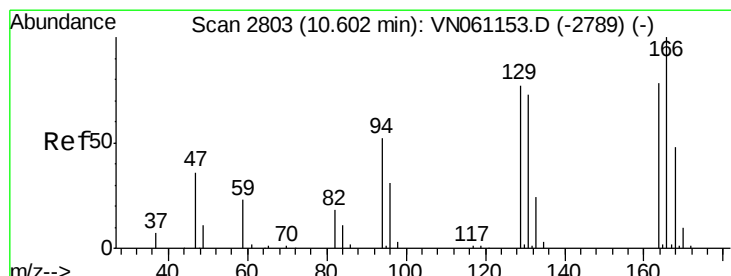
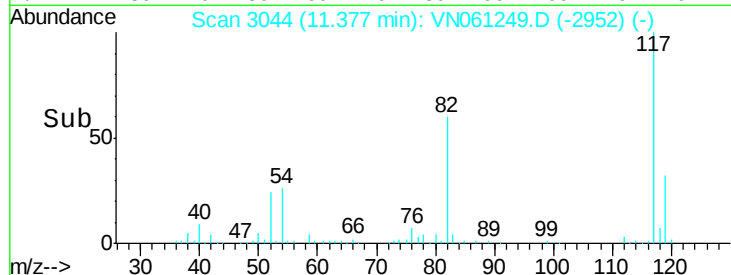
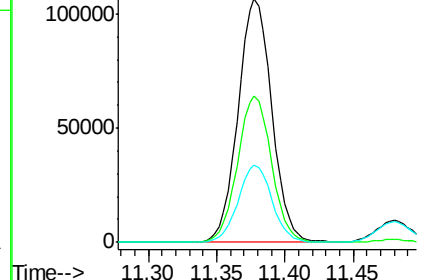
MMDadoda
5/4/2020 2:58:12 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 17.135 ug/l

RT: 10.60 min Scan# 2802

Delta R.T. -0.00 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

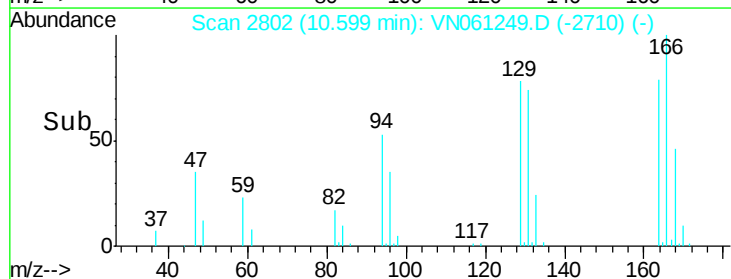
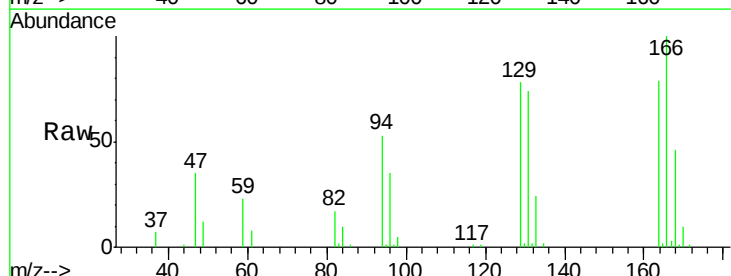
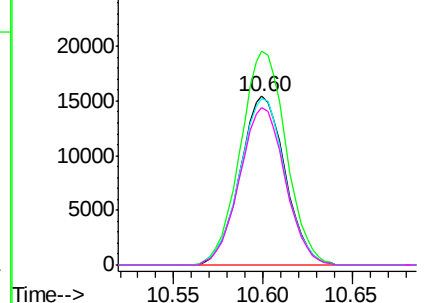
Tgt Ion:	164	Resp:	27189
Ion Ratio	Lower	Upper	
164	100		
166	126.5	102.0	153.0
129	98.9	78.2	117.2
131	93.0	74.5	111.7

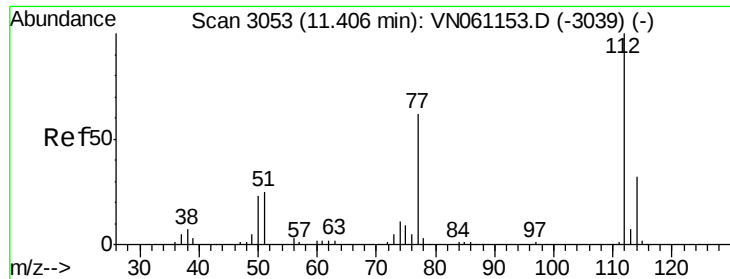
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





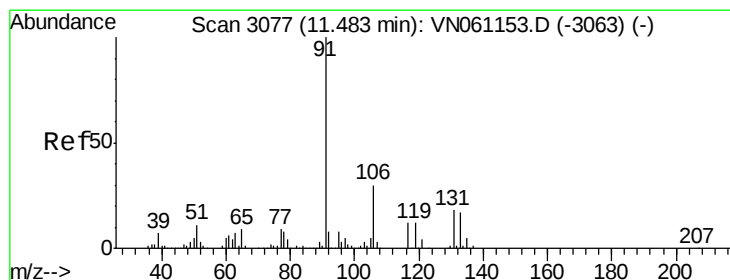
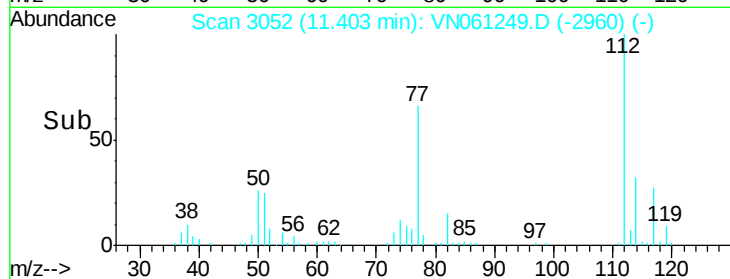
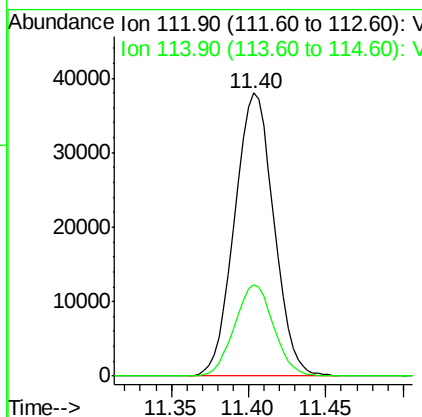
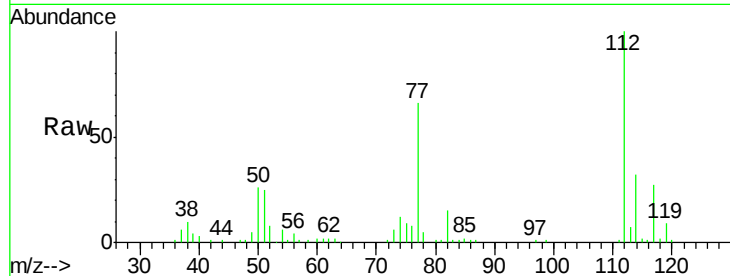
#65
Chlorobenzene
Concen: 18.491 ug/l
RT: 11.40 min Scan# 3052
Delta R.T. -0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

Tot Ion:112 Resp: 67198
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.2

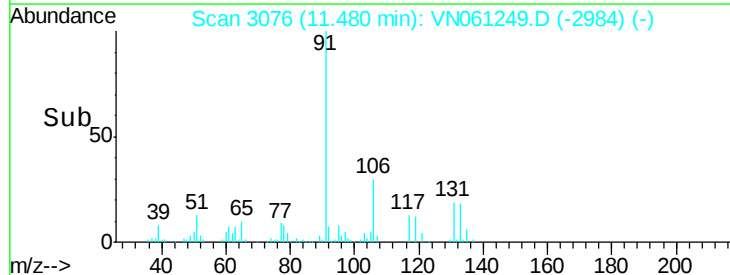
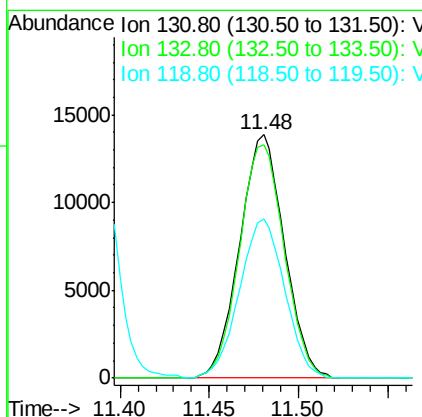
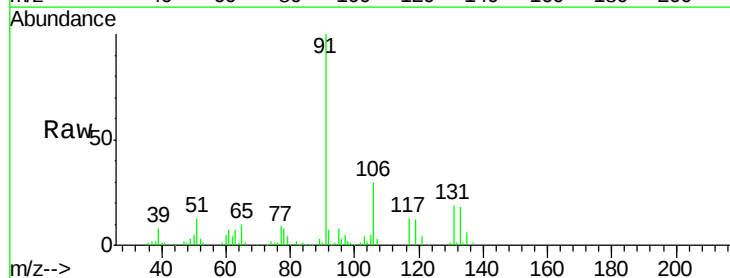
Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:12 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.691 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion:131 Resp: 24312
Ion Ratio Lower Upper
131 100
133 96.3 48.0 144.2
119 66.1 32.6 97.8





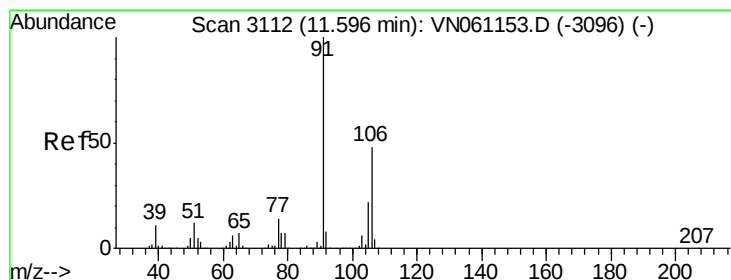
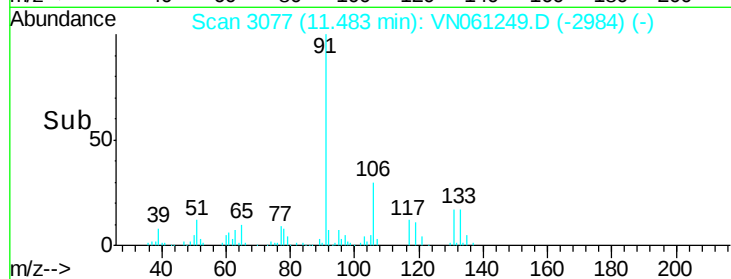
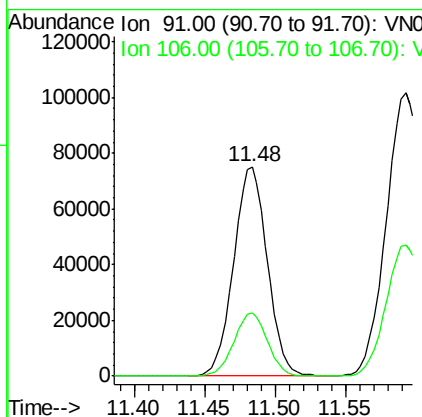
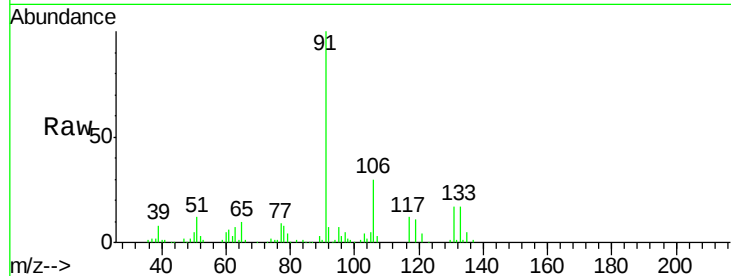
#67
Ethyl Benzene
Concen: 18.519 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		125986		
106	30.3		23.8	35.6	

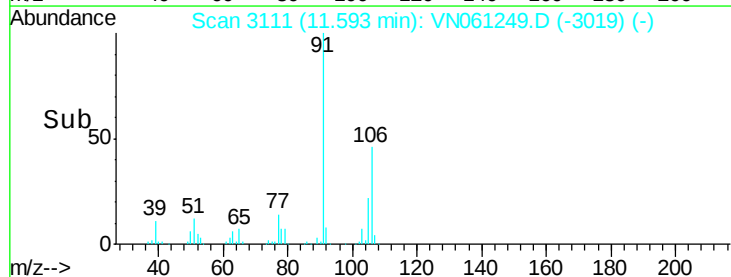
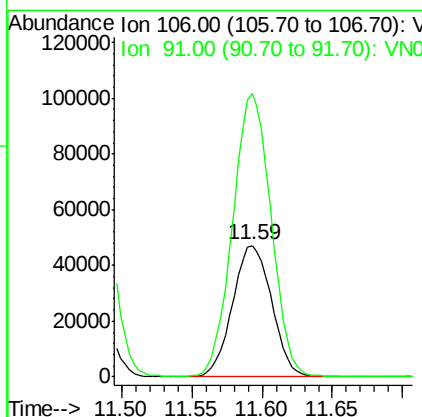
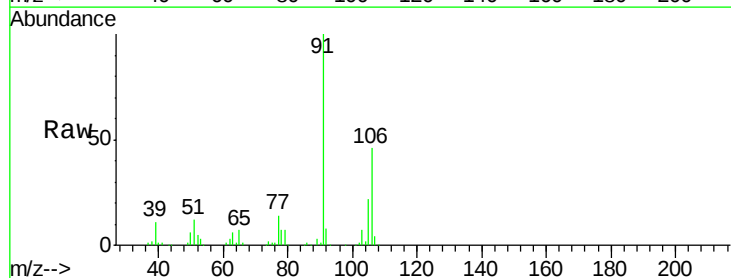
Manual Integrations
APPROVED

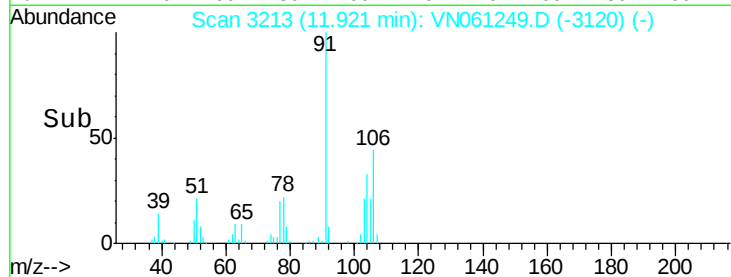
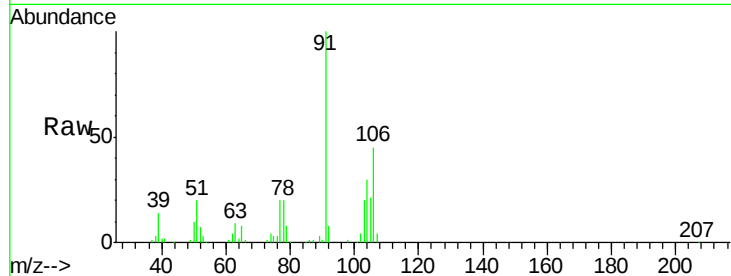
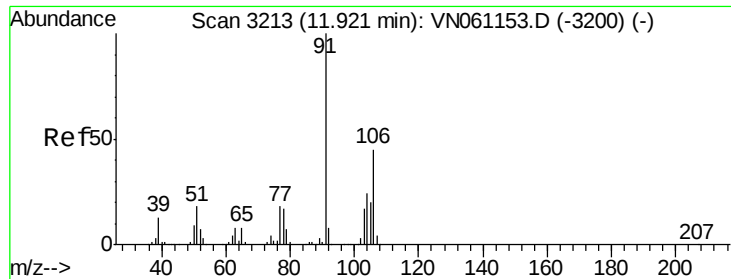
MMDadoda
5/4/2020 2:58:12 PM



#68
m/p-Xylenes
Concen: 36.859 ug/l
RT: 11.59 min Scan# 3111
Delta R.T. -0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		91784		
91	210.9		166.4	249.6	





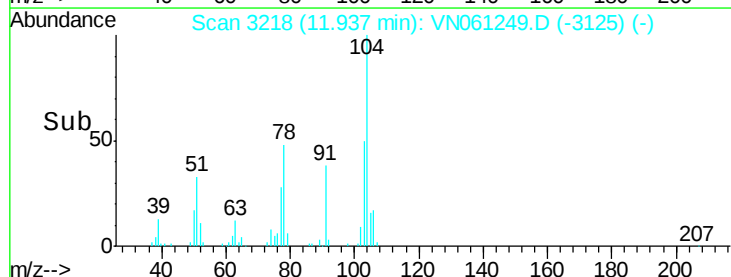
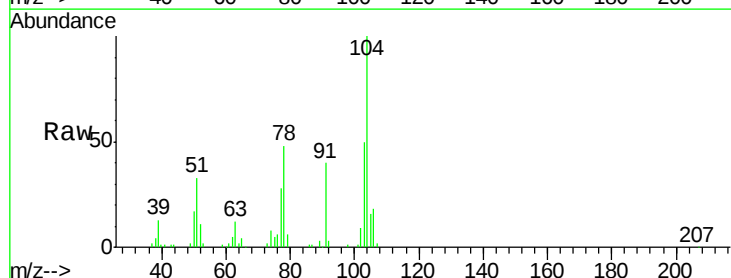
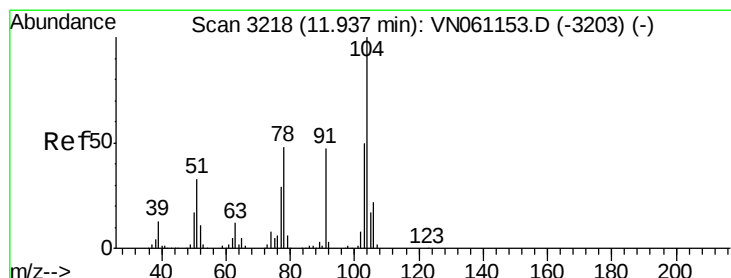
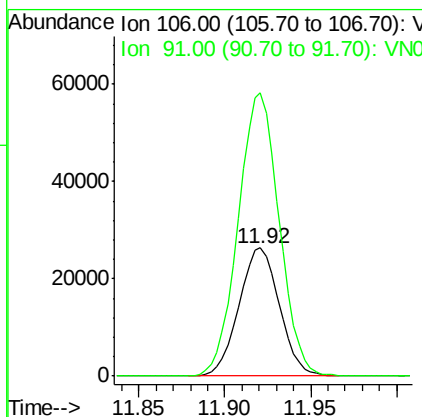
#69
o-Xylene
Concen: 18.103 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tot Ion:106 Resp: 43302
Ion Ratio Lower Upper
106 100
91 222.8 109.7 329.0

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

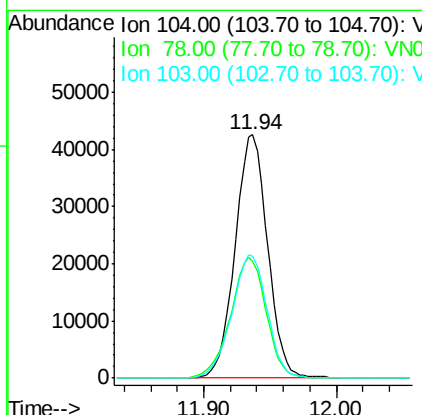
Manual Integrations
APPROVED

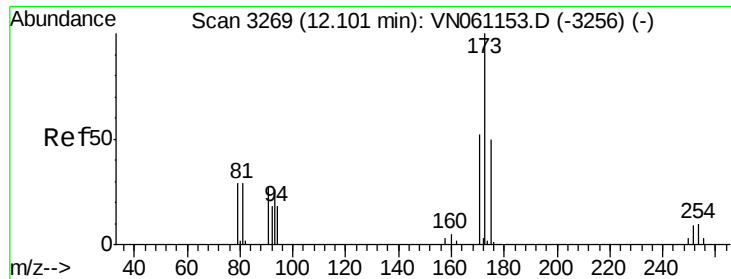
MMDadoda
5/4/2020 2:58:12 PM



#70
Styrene
Concen: 18.098 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion:104 Resp: 72454
Ion Ratio Lower Upper
104 100
78 54.3 42.1 63.1
103 54.9 43.3 64.9





#71

Bromoform

Concen: 18.252 ug/l

RT: 12.10 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD02

Tot Ion:173 Resp: 17448

Ion Ratio Lower Upper

173 100

175 48.0 24.1 72.4

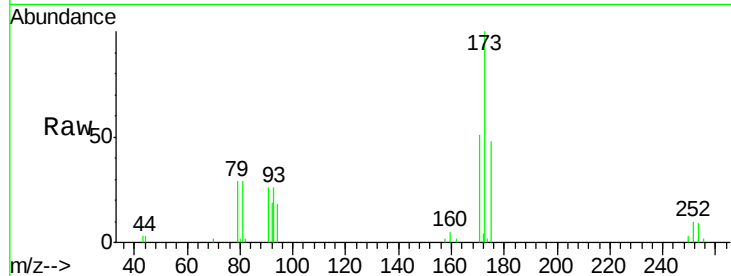
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

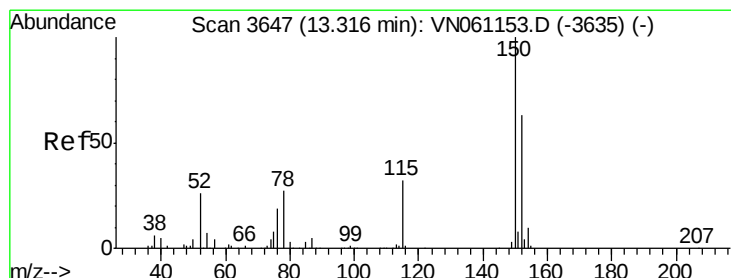
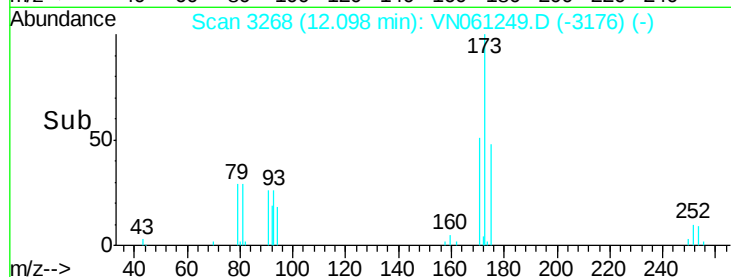
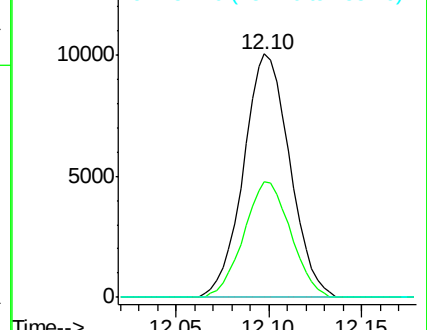
5/4/2020 2:58:12 PM



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# 3647

Delta R.T. 0.00 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

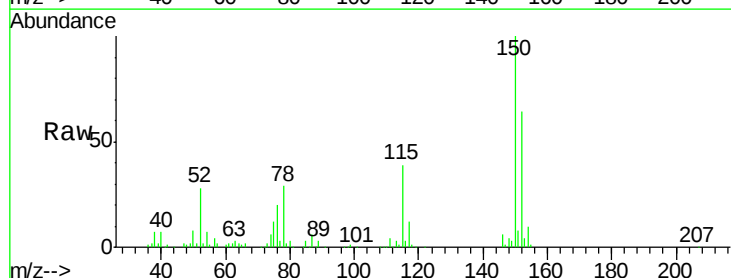
Tgt Ion:152 Resp: 86234

Ion Ratio Lower Upper

152 100

115 60.9 31.0 93.0

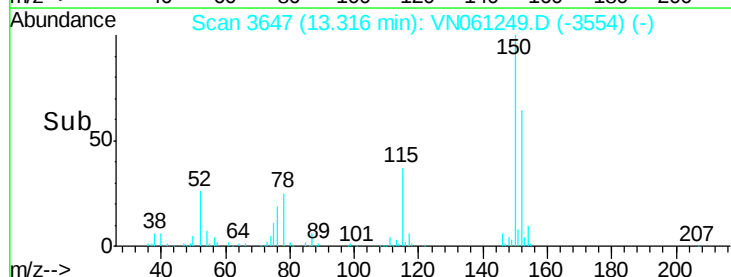
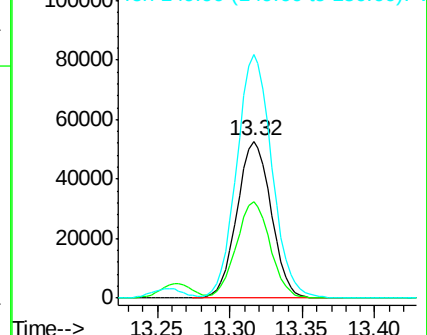
150 160.6 0.0 351.8



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: 18.563 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD02

Tot Ion: 105 Resp: 117682

Ion Ratio Lower Upper

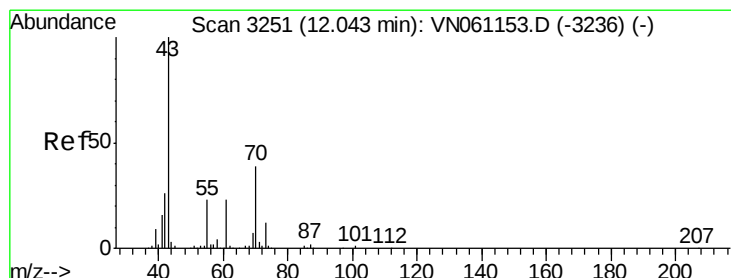
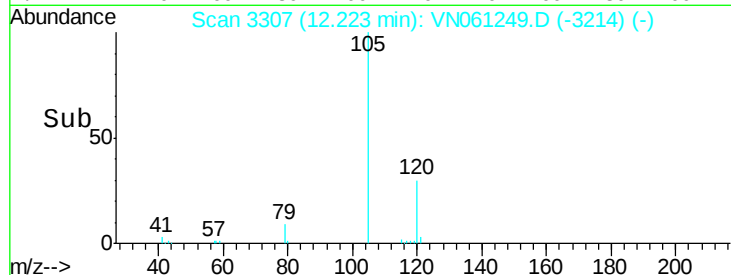
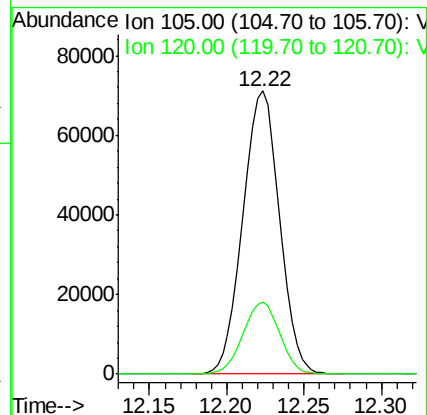
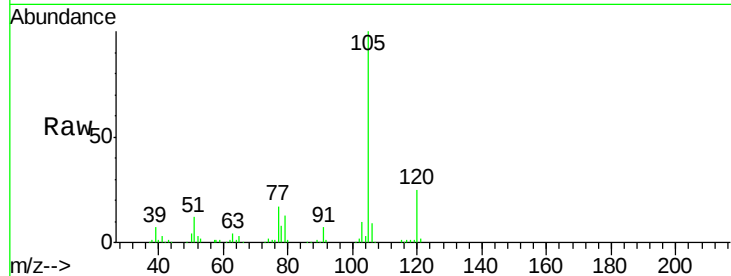
105 100

120 25.4 12.6 37.8

Manual Integrations
APPROVED

MMDadoda

5/4/2020 2:58:12 PM



#74

N-ethyl acetate

Concen: 18.070 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Tgt Ion: 43 Resp: 58008

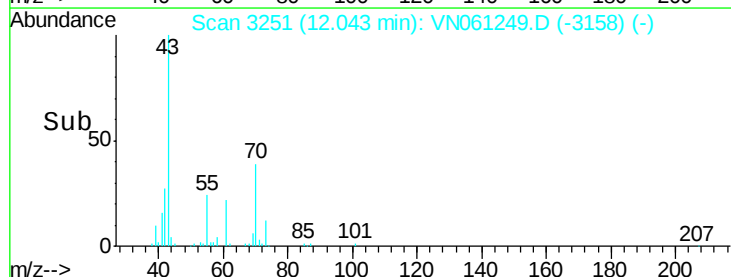
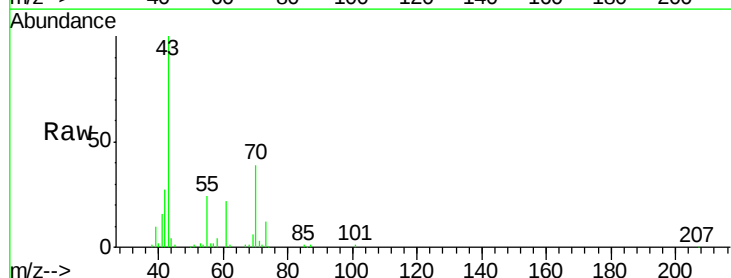
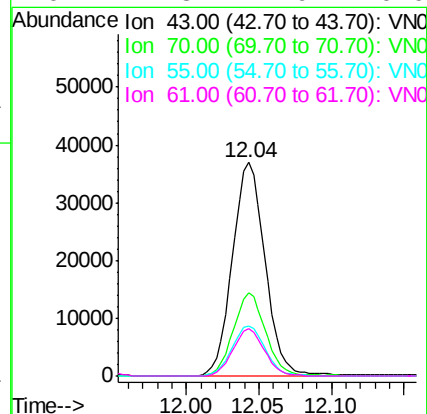
Ion Ratio Lower Upper

43 100

70 38.2 30.6 46.0

55 23.8 18.5 27.7

61 21.3 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.651 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Instrument :

MSVOA_N

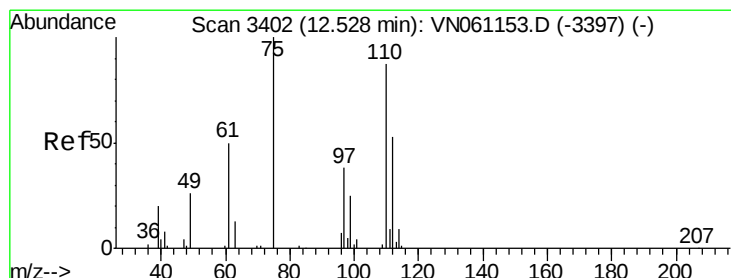
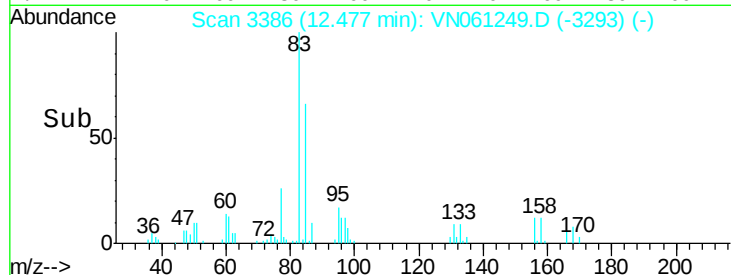
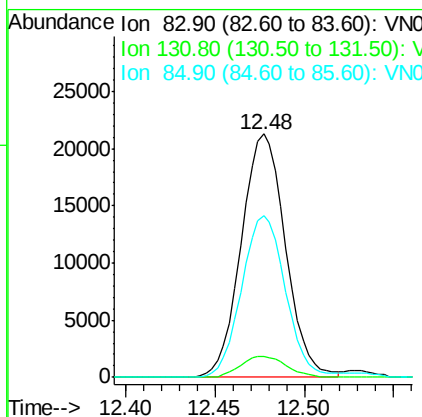
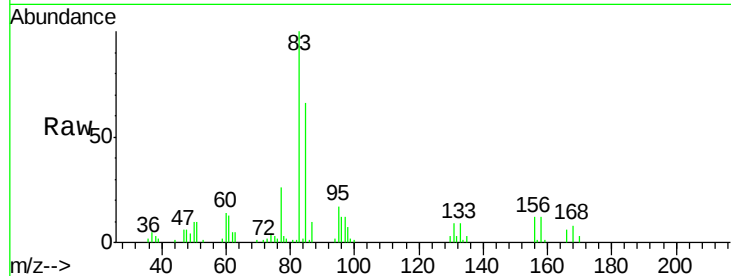
ClientSampleId :

VN0501WBSD02

Tot Ion:	83	Resp:	36868
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.8	14.3
85	65.4	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:12 PM



#76

1,2,3-Trichloropropane

Concen: 17.800 ug/l m

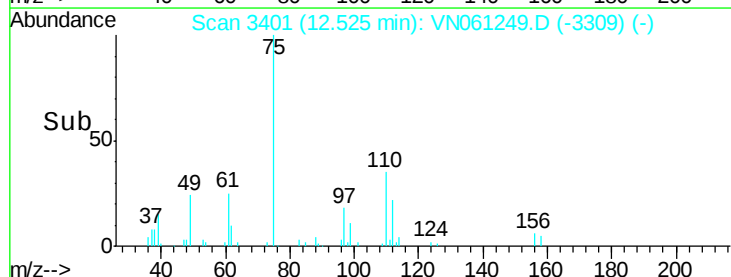
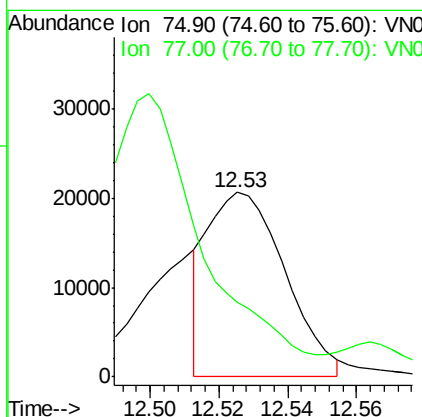
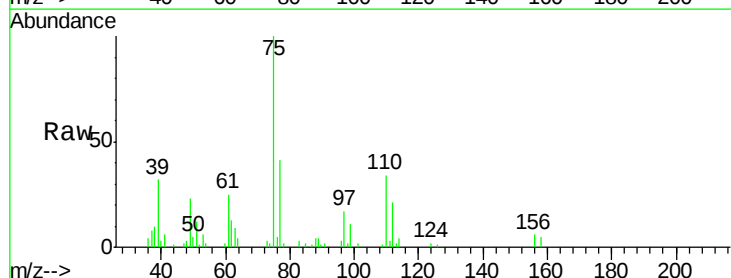
RT: 12.53 min Scan# 3401

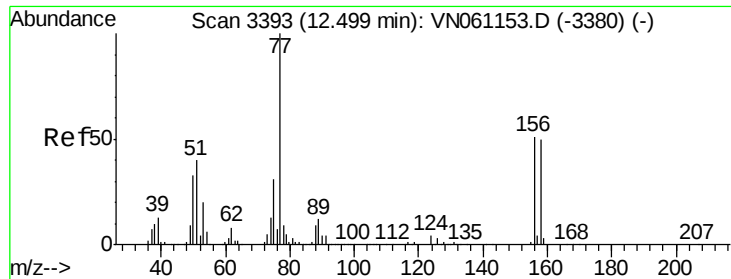
Delta R.T. -0.00 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Tgt Ion:	75	Resp:	32361
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.808 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD02

Tot Ion:156 Resp: 27524

Ion Ratio Lower Upper

156 100

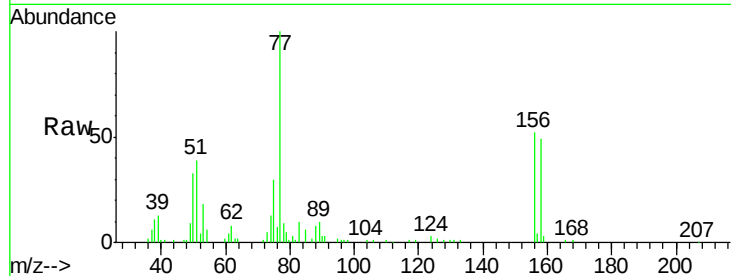
77 237.1 117.4 352.2

158 97.6 48.4 145.0

Manual Integrations
APPROVED

MMDadoda

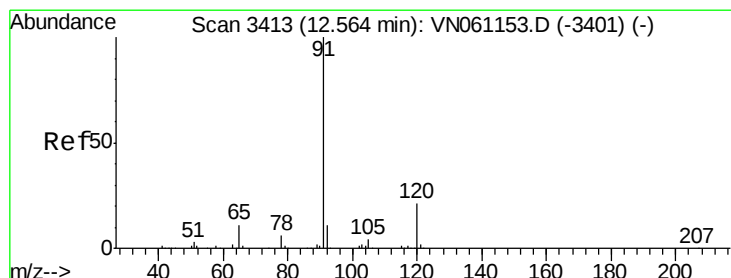
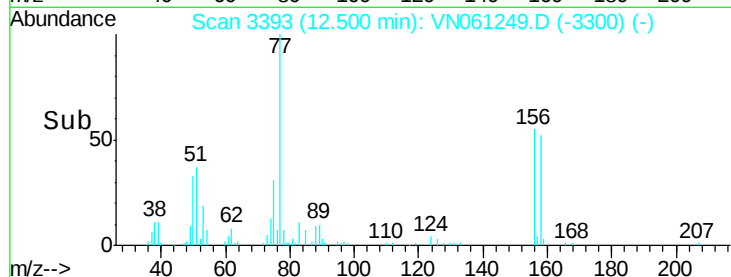
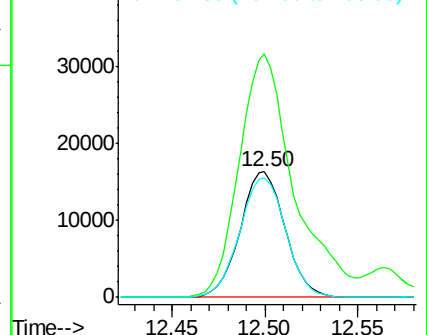
5/4/2020 2:58:12 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.134 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061249.D

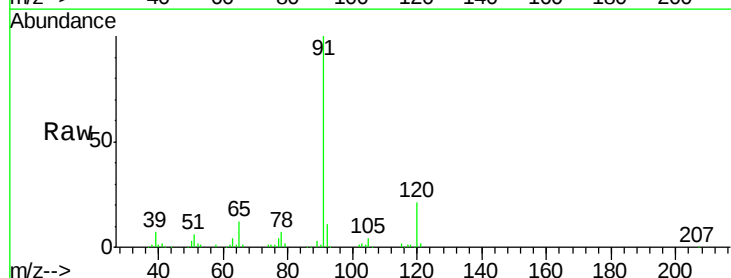
Acq: 2 May 2020 3:37

Tgt Ion: 91 Resp: 143871

Ion Ratio Lower Upper

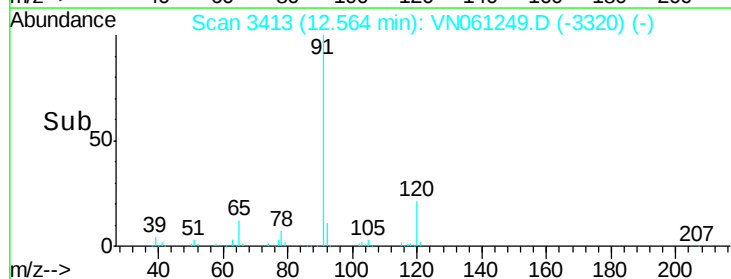
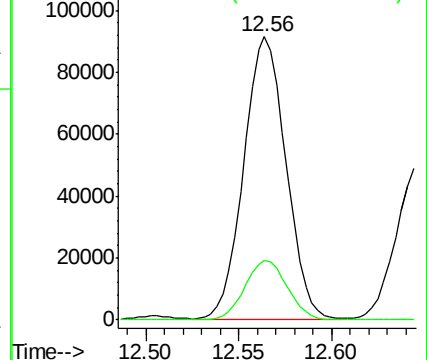
91 100

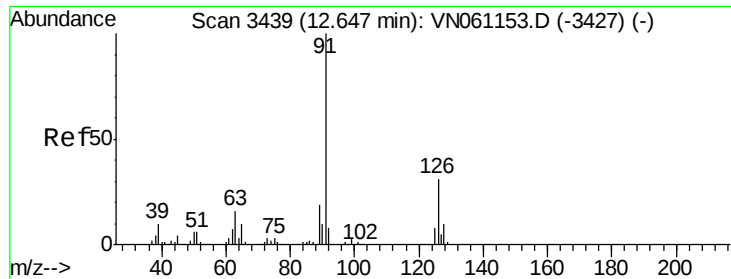
120 21.1 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.925 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD02

Tot Ion: 91 Resp: 83642

Ion Ratio Lower Upper

91 100

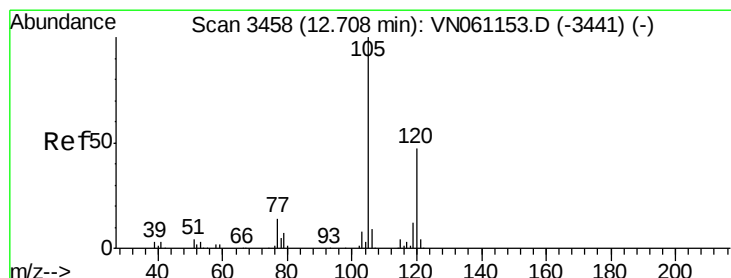
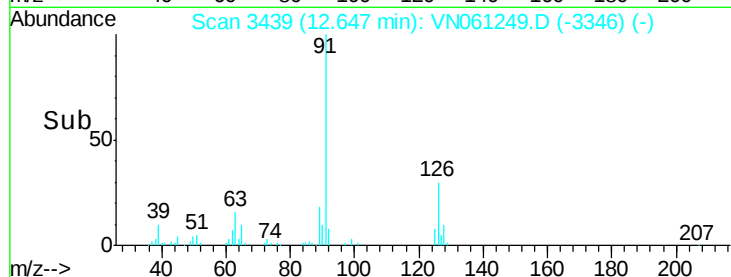
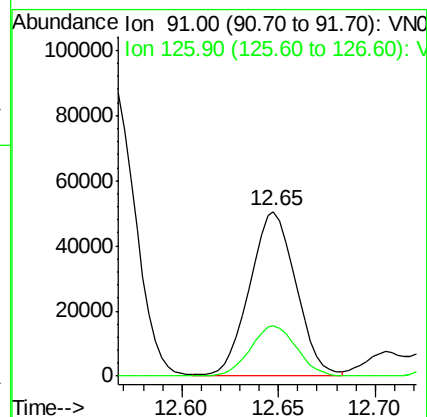
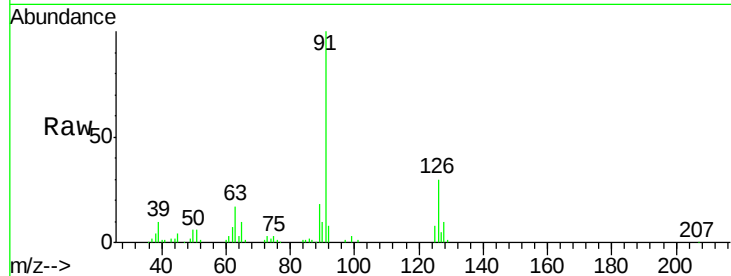
126 30.7 15.9 47.7

Manual Integrations

APPROVED

MMDadoda

5/4/2020 2:58:12 PM



#80

1,3,5-Trimethylbenzene

Concen: 18.770 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. -0.00 min

Lab File: VN061249.D

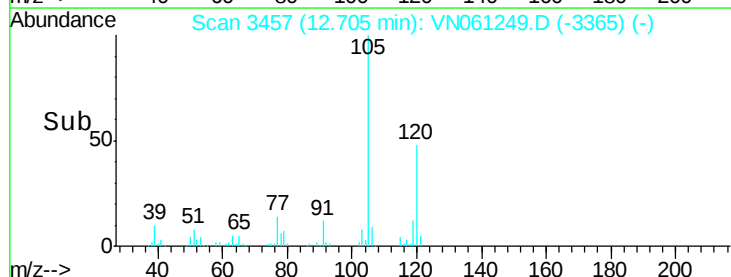
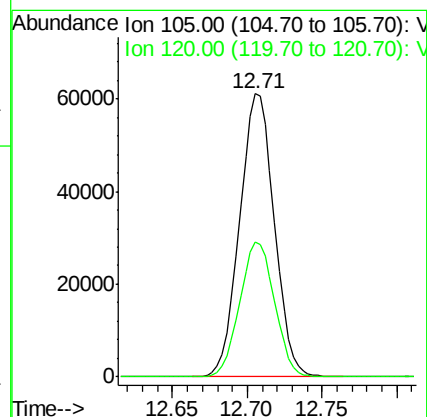
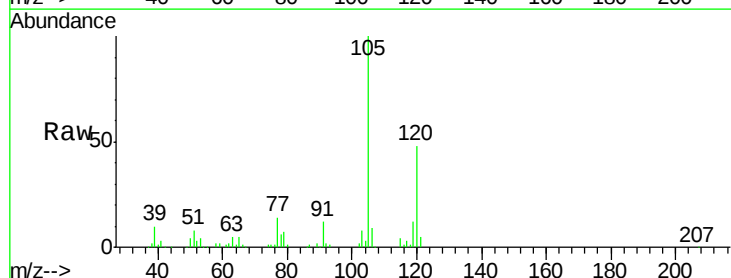
Acq: 2 May 2020 3:37

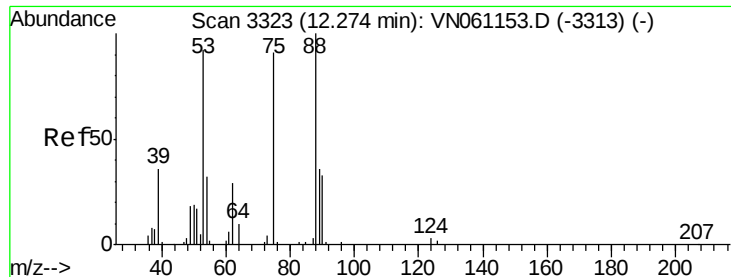
Tgt Ion: 105 Resp: 98483

Ion Ratio Lower Upper

105 100

120 47.8 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 17.163 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Instrument :

MSVOA_N

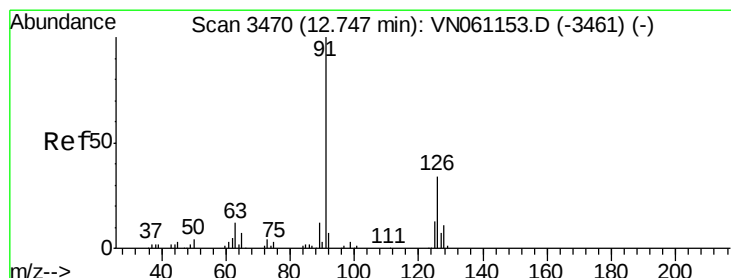
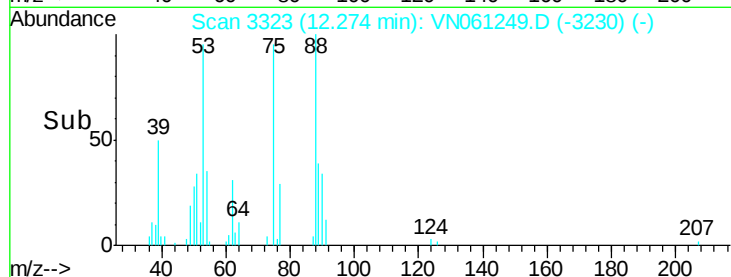
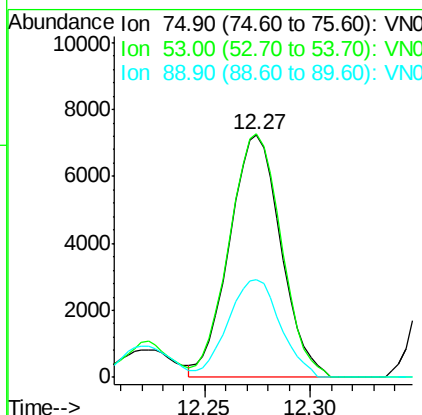
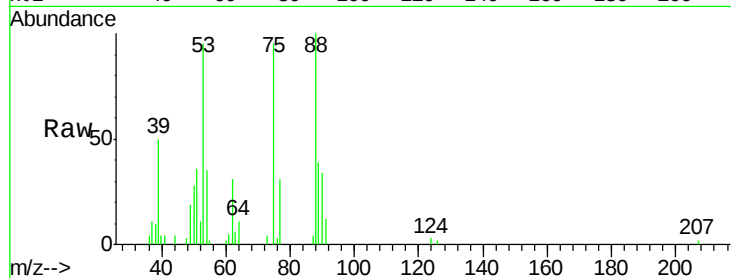
ClientSampleId :

VN0501WBSD02

Tot Ion:	75	Resp:	12287
Ion Ratio	Lower	Upper	
75	100		
53	101.4	84.1	126.1
89	40.7	35.2	52.8

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:12 PM



#82

4-Chlorotoluene

Concen: 19.112 ug/l

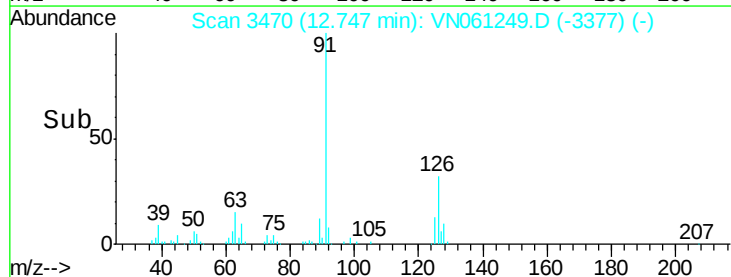
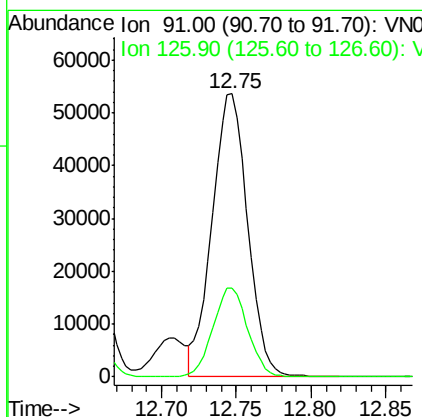
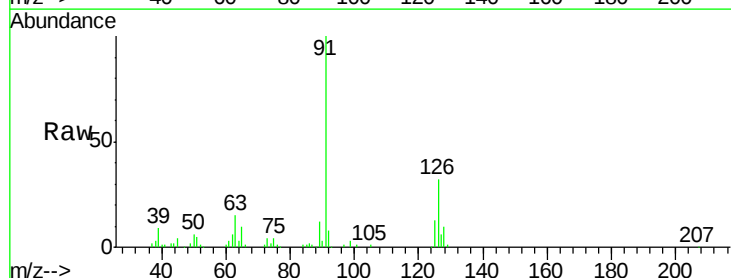
RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Tgt Ion:	91	Resp:	89025
Ion Ratio	Lower	Upper	
91	100		
126	30.6	15.7	47.1





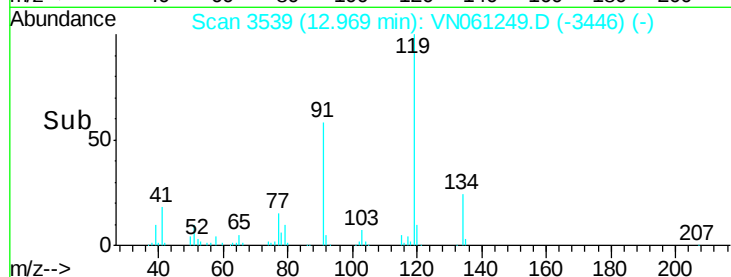
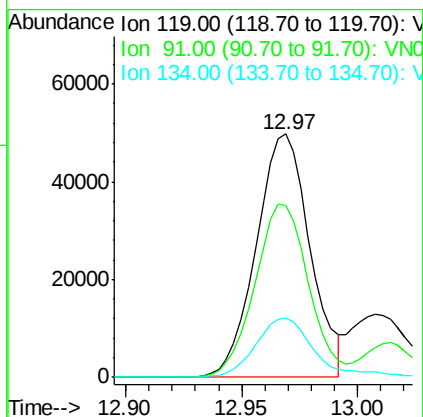
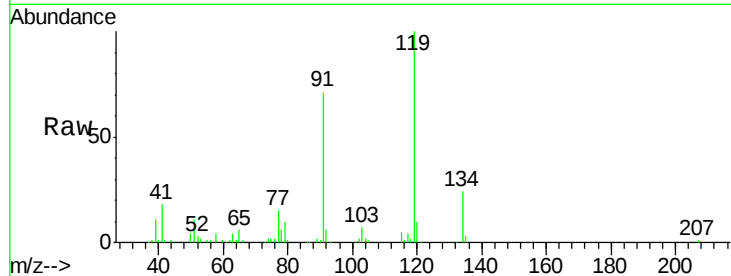
#83
tert-Butylbenzene
Concen: 18.159 ug/l
RT: 12.97 min Scan# 3539
Delta R.T. 0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.8	34.8	104.4
134	26.8	12.9	38.7

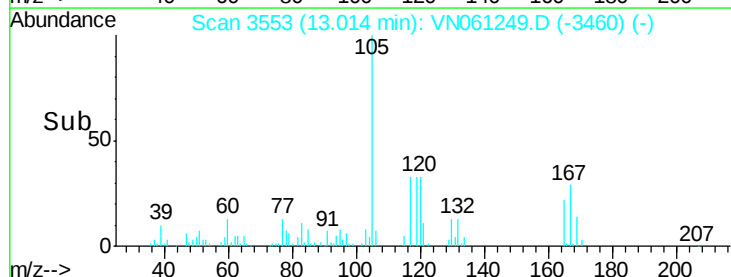
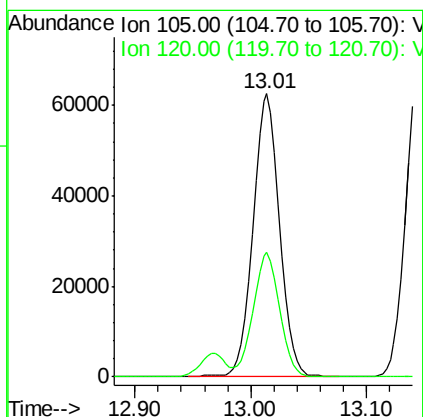
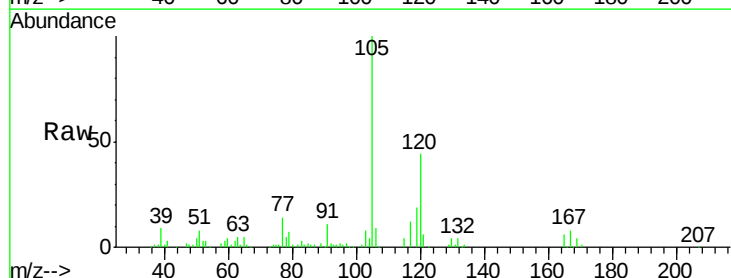
Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:12 PM



#84
1,2,4-Trimethylbenzene
Concen: 18.491 ug/l
RT: 13.01 min Scan# 3553
Delta R.T. 0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.2	66.6





#85

sec-Butylbenzene

Concen: 19.047 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD02

Tot Ion:105 Resp: 114887

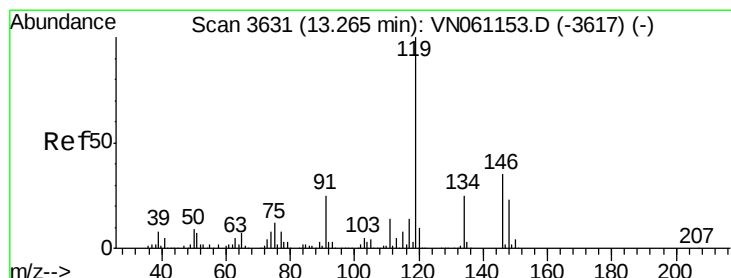
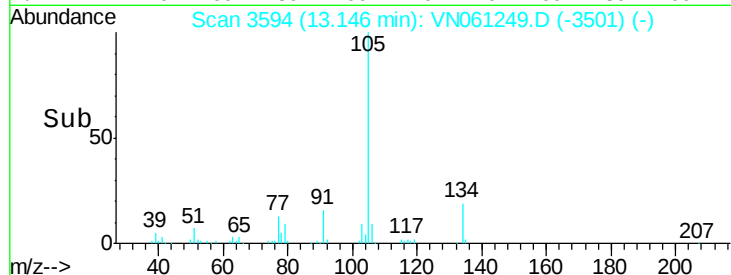
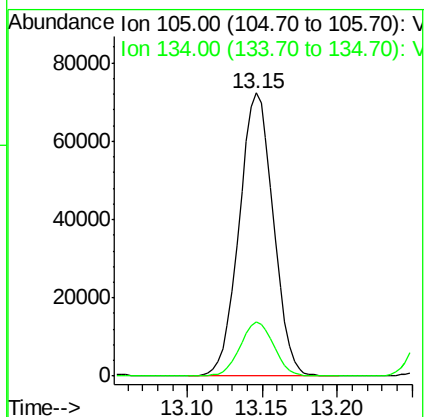
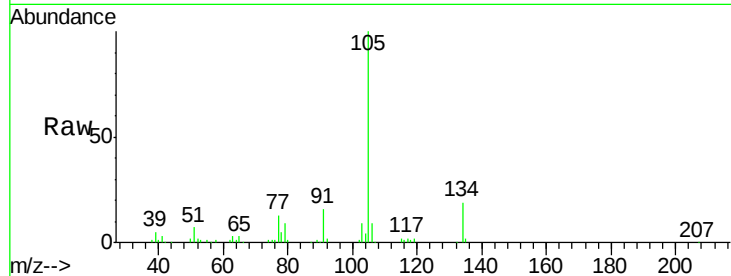
Ion Ratio Lower Upper

105 100

134 18.8 9.6 28.8

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:12 PM



#86

p-Isopropyltoluene

Concen: 18.718 ug/l

RT: 13.26 min Scan# 3630

Delta R.T. -0.00 min

Lab File: VN061249.D

Acq: 2 May 2020 3:37

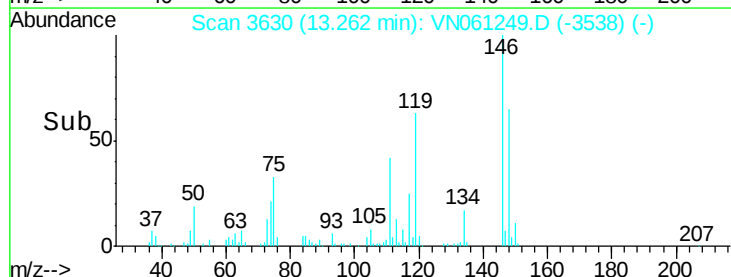
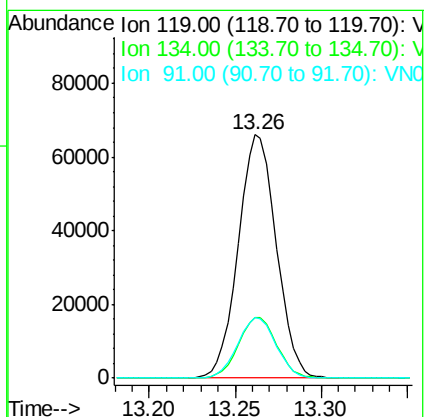
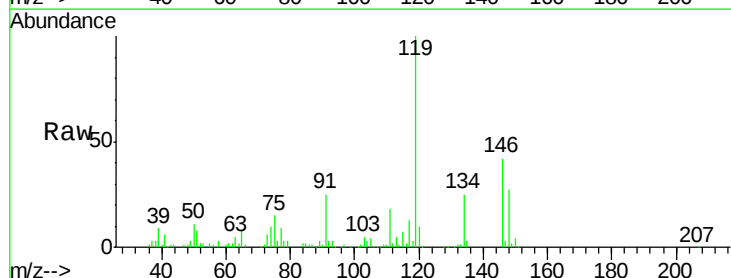
Tgt Ion:119 Resp: 101728

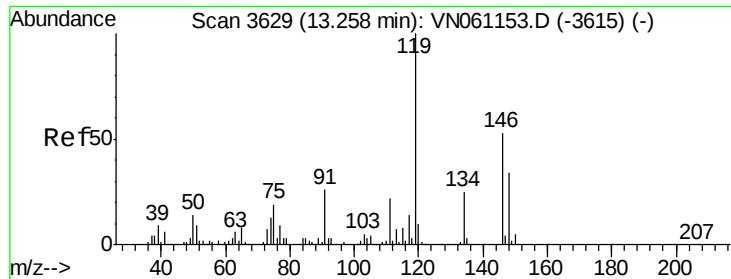
Ion Ratio Lower Upper

119 100

134 24.9 12.6 37.6

91 25.1 12.7 38.0





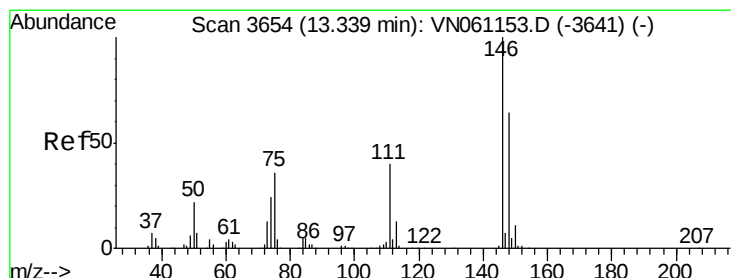
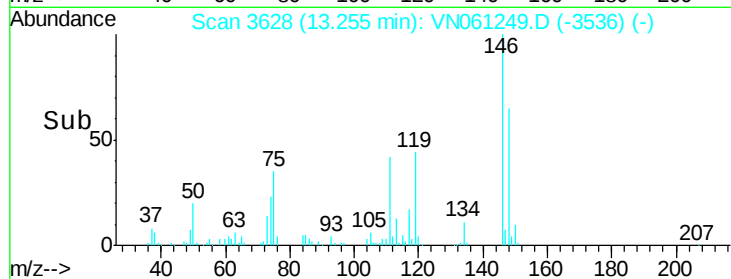
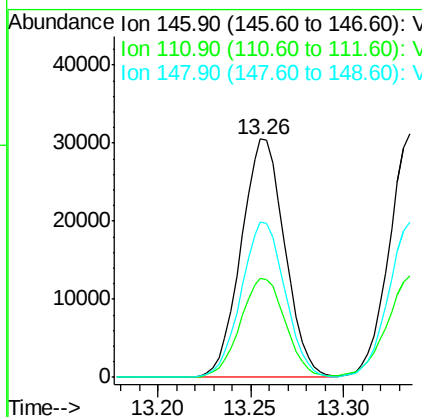
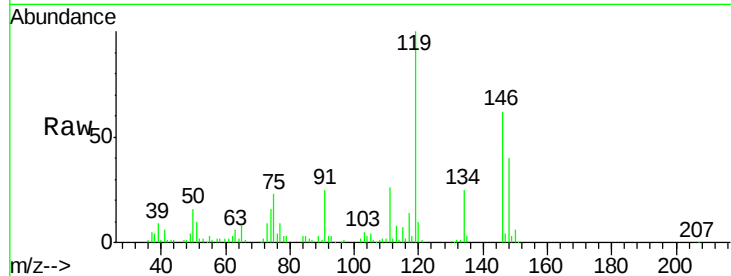
#87
 1,3-Dichlorobenzene
 Concen: 18.487 ug/l
 RT: 13.26 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.7	62.1
148	65.1	31.8	95.3

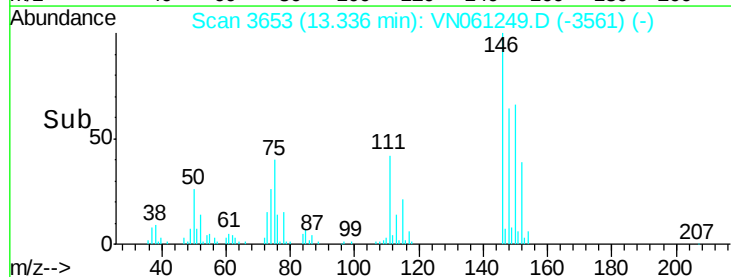
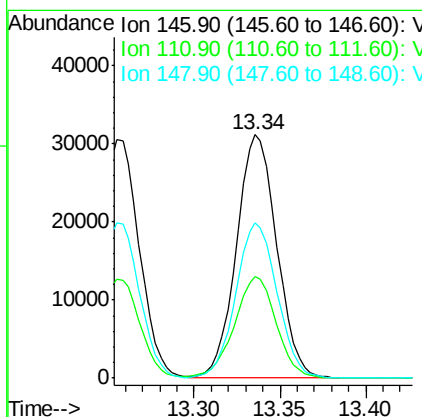
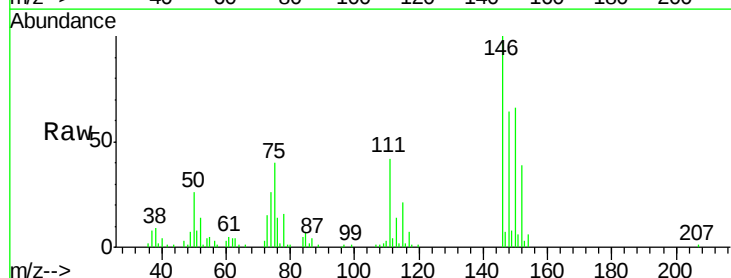
Manual Integrations
 APPROVED

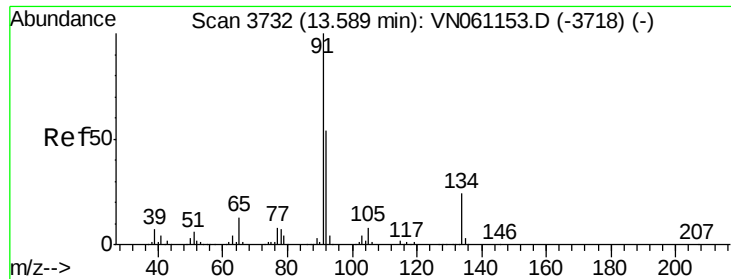
MMDadoda
 5/4/2020 2:58:12 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.484 ug/l
 RT: 13.34 min Scan# 3653
 Delta R.T. -0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.4	61.3
148	65.2	31.9	95.7





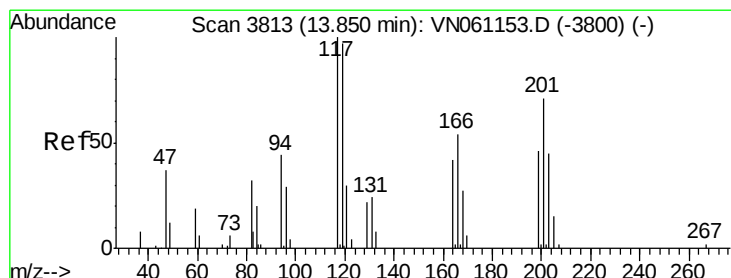
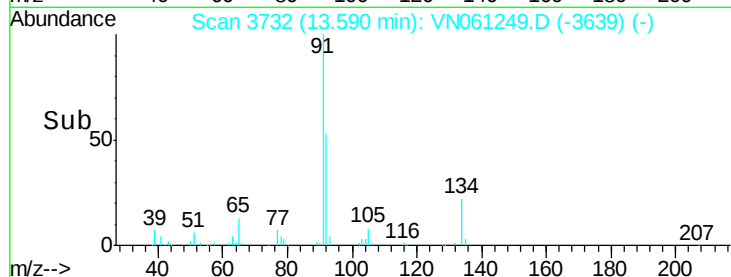
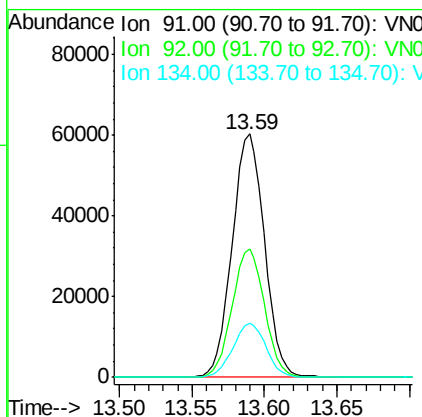
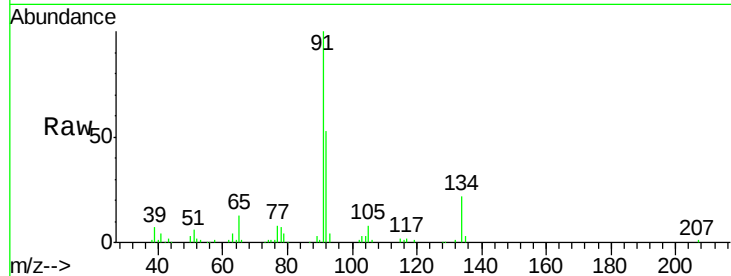
#89
n-Butylbenzene
Concen: 18.766 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.3
134	22.6	11.9	35.5

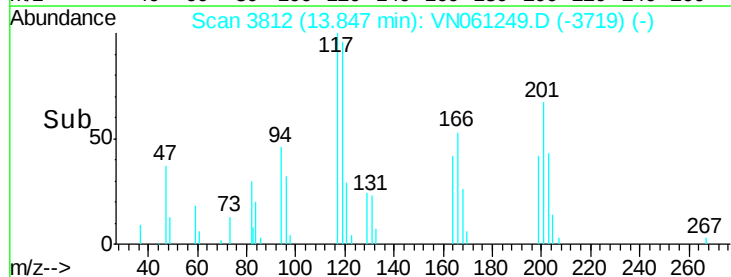
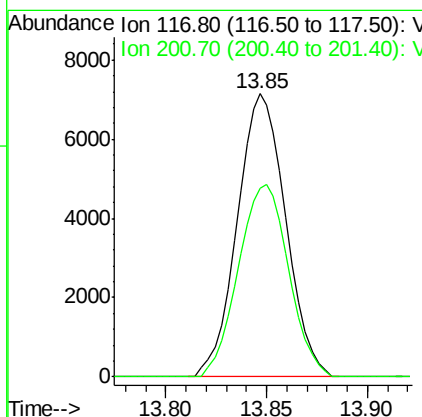
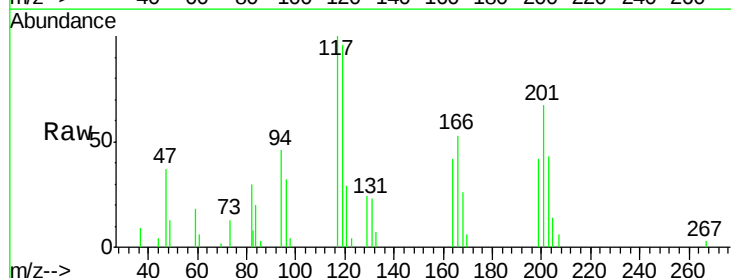
Manual Integrations
APPROVED

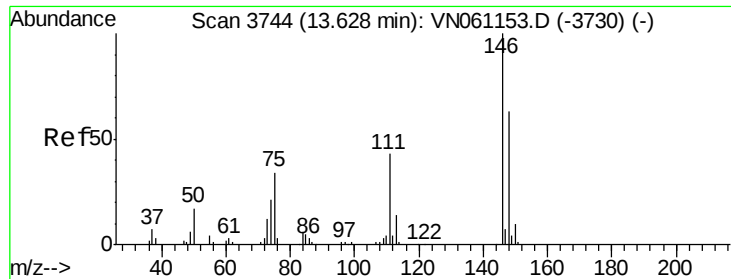
MMDadoda
5/4/2020 2:58:12 PM



#90
Hexachloroethane
Concen: 25.559 ug/l
RT: 13.85 min Scan# 3812
Delta R.T. -0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.5	35.5	106.7





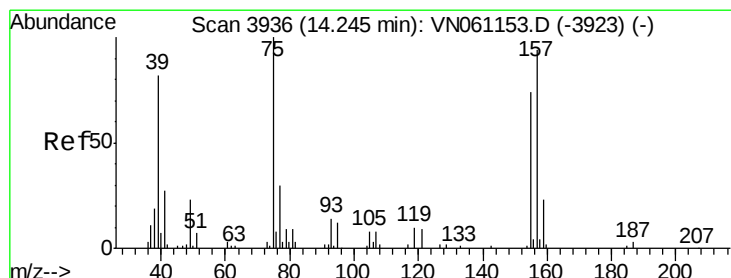
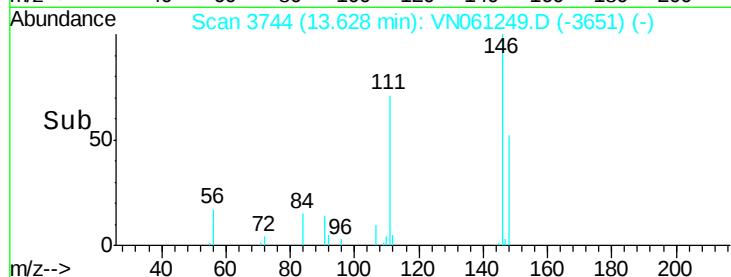
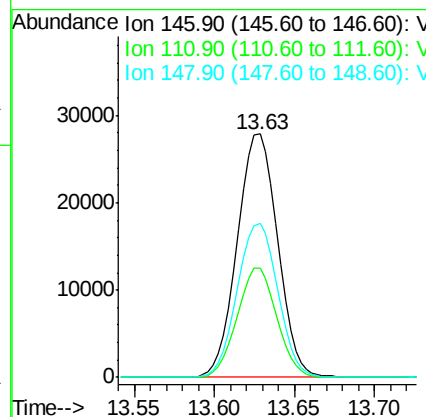
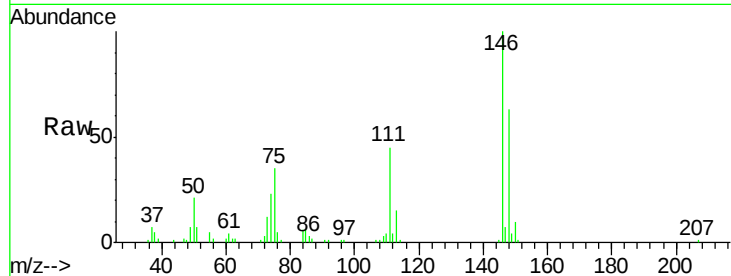
#91
 1,2-Dichlorobenzene
 Concen: 18.574 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.8	65.3
148	63.6	31.6	95.0

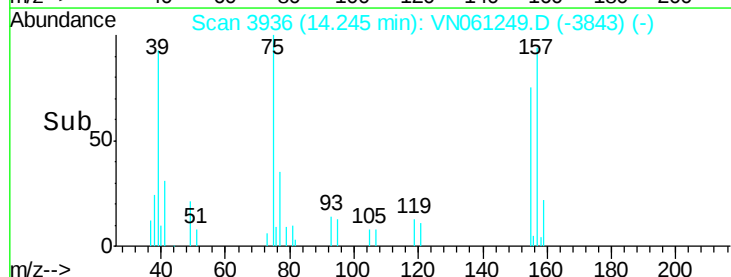
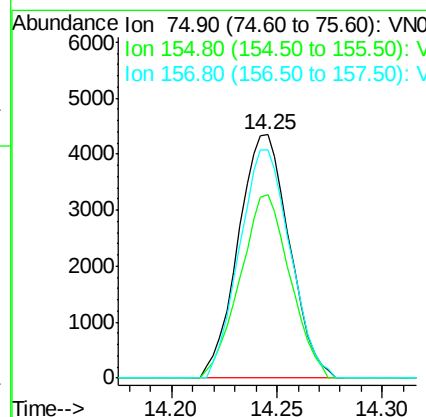
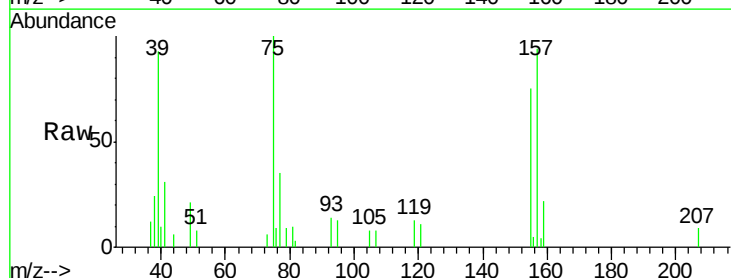
Manual Integrations
 APPROVED

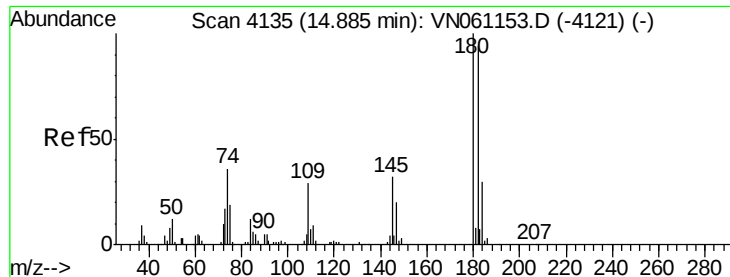
MMDadoda
 5/4/2020 2:58:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.565 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.6	36.5	109.7
157	93.0	46.6	139.7





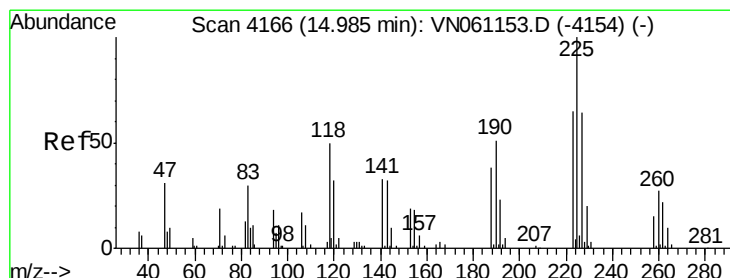
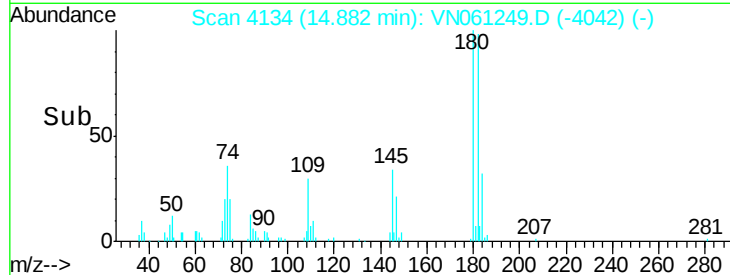
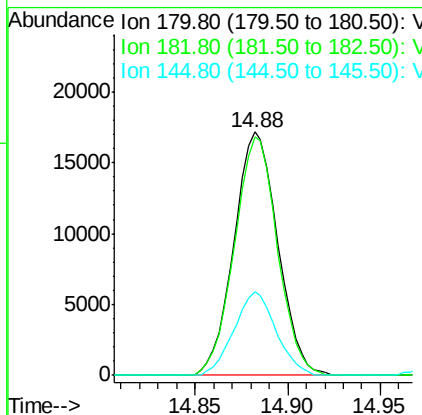
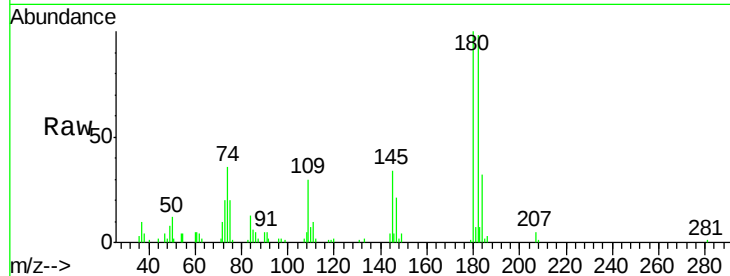
#93
 1,2,4-Trichlorobenzene
 Concen: 17.856 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	28087		
182	96.1	47.3	141.9	
145	32.8	16.0	47.9	

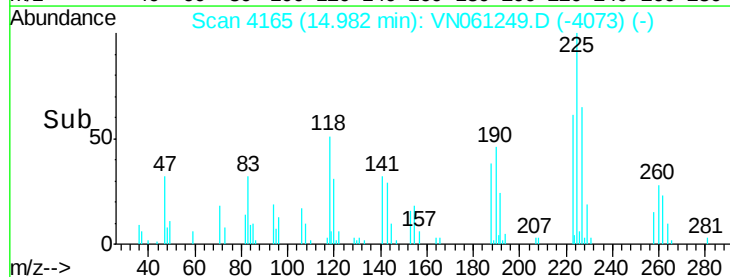
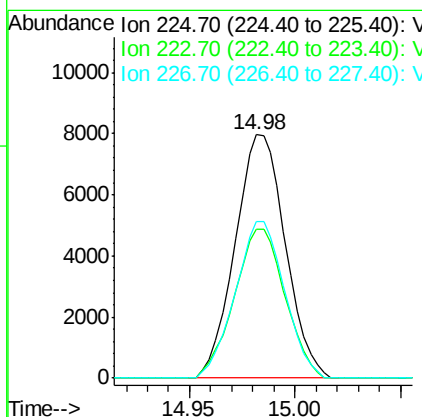
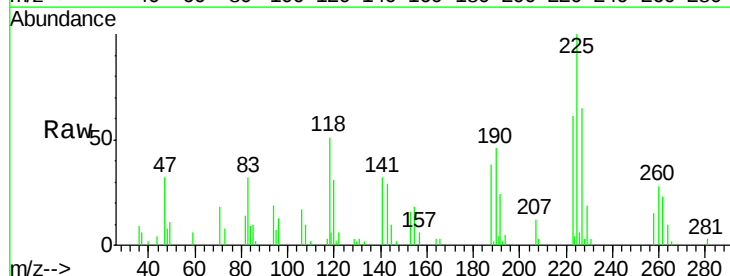
Manual Integrations
 APPROVED

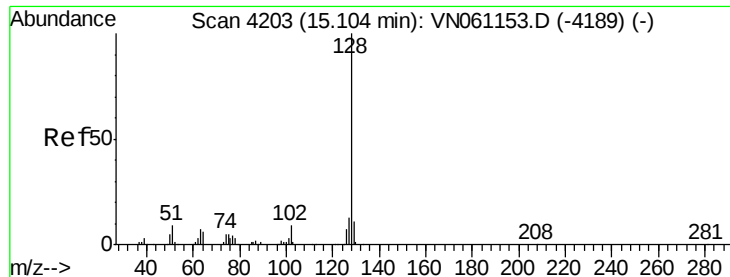
MMDadoda
 5/4/2020 2:58:12 PM



#94
 Hexachlorobutadiene
 Concen: 20.006 ug/l
 RT: 14.98 min Scan# 4165
 Delta R.T. -0.00 min
 Lab File: VN061249.D
 Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	13147		
223	61.8	32.4	97.0	
227	63.2	32.4	97.0	





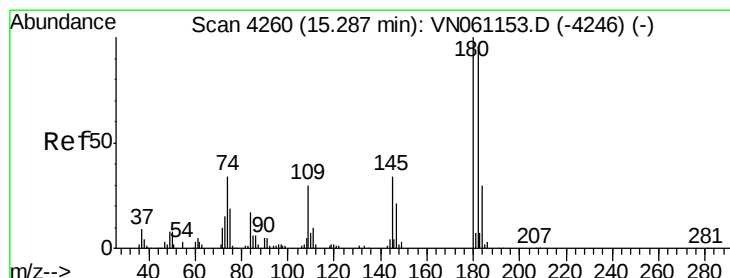
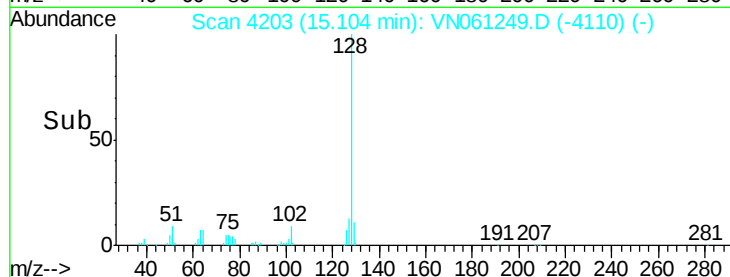
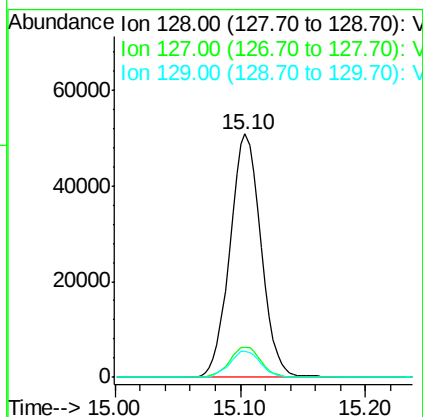
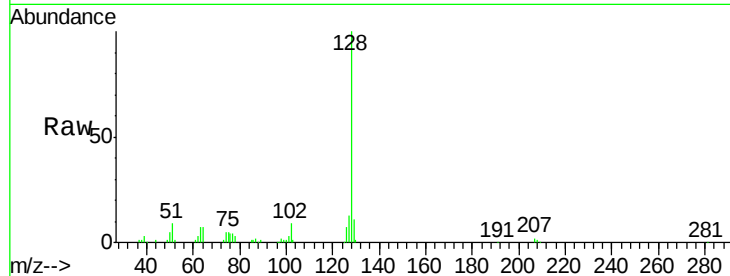
#95
Naphthalene
Concen: 17.025 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.199 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN061249.D
Acq: 2 May 2020 3:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.5
145	33.0	16.9	50.7

