

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070920\
 Data File : VN062447.D
 Acq On : 9 Jul 2020 10:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 9:23:36 AM

Quant Time: Jul 10 05:02:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	269956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	462282	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	425842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	194591	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	186695	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	
35) Dibromofluoromethane	7.54	113	131413	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
50) Toluene-d8	10.06	98	523114	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	
62) 4-Bromofluorobenzene	12.37	95	196669	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	123945	45.075	ug/l	96
3) Chloromethane	2.03	50	175013	39.666	ug/l	98
4) Vinyl Chloride	2.16	62	161953	44.803	ug/l	98
5) Bromomethane	2.52	94	65657	33.819	ug/l	100
6) Chloroethane	2.66	64	98389	46.732	ug/l	98
7) Trichlorofluoromethane	2.98	101	204296	44.500	ug/l	100
8) Diethyl Ether	3.37	74	95372	46.458	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	128653	47.273	ug/l	99
10) Methyl Iodide	3.91	142	98010	27.274	ug/l	99
11) Tert butyl alcohol	4.73	59	146874	213.235	ug/l	99
12) 1,1-Dichloroethene	3.69	96	125597	45.329	ug/l	98
13) Acrolein	3.56	56	99704	200.661	ug/l	98
14) Allyl chloride	4.27	41	284971	43.730	ug/l	97
15) Acrylonitrile	4.92	53	404941	224.163	ug/l	99
16) Acetone	3.77	43	432310	245.231	ug/l	98
17) Carbon Disulfide	4.00	76	373900	43.064	ug/l	99
18) Methyl Acetate	4.27	43	185289	42.117	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	488479	46.499	ug/l	99
20) Methylene Chloride	4.50	84	155376	41.223	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	137381	45.766	ug/l	97
22) Diisopropyl ether	5.90	45	575487	44.699	ug/l	99
23) Vinyl Acetate	5.84	43	2441850	228.953	ug/l	100
24) 1,1-Dichloroethane	5.79	63	300296	45.138	ug/l	100
25) 2-Butanone	6.78	43	585916	227.579	ug/l	98
26) 2,2-Dichloropropane	6.77	77	245819	48.189	ug/l	98
27) cis-1,2-Dichloroethene	6.77	96	162867	46.843	ug/l	98
28) Bromochloromethane	7.15	49	153516	42.472	ug/l	95
29) Tetrahydrofuran	7.16	42	372474	214.889	ug/l	97
30) Chloroform	7.32	83	275057	45.790	ug/l	100
31) Cyclohexane	7.61	56	266757	42.295	ug/l	96
32) 1,1,1-Trichloroethane	7.52	97	231721	46.375	ug/l	99
36) 1,1-Dichloropropene	7.75	75	215189	46.203	ug/l	99
37) Ethyl Acetate	6.88	43	236324	43.394	ug/l	99
38) Carbon Tetrachloride	7.73	117	196907	47.026	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070920\
 Data File : VN062447.D
 Acq On : 9 Jul 2020 10:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 9:23:36 AM

Quant Time: Jul 10 05:02:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	243801	49.032	ug/l	98
40) Benzene	8.00	78	627330	45.702	ug/l	100
41) Methacrylonitrile	7.12	41	102861	45.206	ug/l	95
42) 1,2-Dichloroethane	8.08	62	235737	46.903	ug/l	100
43) Isopropyl Acetate	8.12	43	395859	46.013	ug/l	98
44) Trichloroethene	8.80	130	145988	47.935	ug/l	100
45) 1,2-Dichloropropane	9.08	63	182408	45.777	ug/l	99
46) Dibromomethane	9.17	93	105482	46.908	ug/l	99
47) Bromodichloromethane	9.37	83	225260	46.855	ug/l	99
48) Methyl methacrylate	9.16	41	194903	46.184	ug/l	98
49) 1,4-Dioxane	9.17	88	54008	879.261	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1173531	228.380	ug/l	99
52) Toluene	10.12	92	374722	47.262	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	262203	48.681	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	282450	47.528	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	146675	47.036	ug/l	97
56) Ethyl methacrylate	10.40	69	261263	45.678	ug/l	98
57) 1,3-Dichloropropane	10.68	76	274270	47.607	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	446220	241.200	ug/l	98
59) 2-Hexanone	10.72	43	877399	235.203	ug/l	99
60) Dibromochloromethane	10.87	129	161123	47.653	ug/l	98
61) 1,2-Dibromoethane	10.98	107	151887	48.251	ug/l	99
64) Tetrachloroethene	10.60	164	117844	46.635	ug/l	99
65) Chlorobenzene	11.40	112	391757	47.334	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	144518	47.351	ug/l	99
67) Ethyl Benzene	11.48	91	740157	47.643	ug/l	98
68) m/p-Xylenes	11.59	106	535119	97.300	ug/l	99
69) o-Xylene	11.92	106	258595	48.293	ug/l	98
70) Styrene	11.94	104	444584	50.237	ug/l	99
71) Bromoform	12.10	173	109915	49.127	ug/l #	98
73) Isopropylbenzene	12.22	105	697544	46.324	ug/l	100
74) N-amyl acetate	12.04	43	360837	49.234	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	229220	45.274	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	207206m	43.398	ug/l	
77) Bromobenzene	12.50	156	158592	46.328	ug/l	95
78) n-propylbenzene	12.56	91	833738	47.401	ug/l	100
79) 2-Chlorotoluene	12.65	91	497108	46.566	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	589396	47.747	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	74840	41.954	ug/l	99
82) 4-Chlorotoluene	12.75	91	516323	47.641	ug/l	100
83) tert-Butylbenzene	12.97	119	485531	46.349	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	595113	48.502	ug/l	99
85) sec-Butylbenzene	13.15	105	669971	48.264	ug/l	100
86) p-Isopropyltoluene	13.26	119	591644	49.383	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	283740	48.046	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	283299	46.621	ug/l	99
89) n-Butylbenzene	13.59	91	533388	50.421	ug/l	99
90) Hexachloroethane	13.85	117	104805	44.470	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	271899	47.618	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	43724	47.323	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070920\
Data File : VN062447.D
Acq On : 9 Jul 2020 10:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

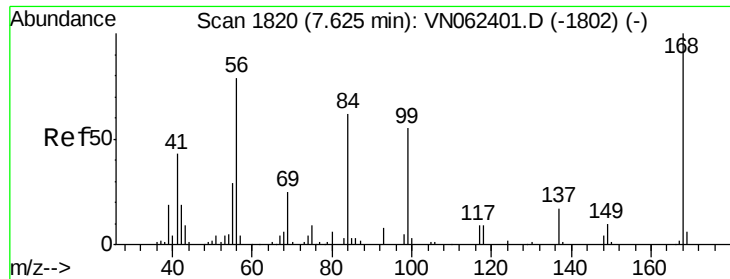
Manual Integrations
APPROVED

MMDadoda
7/10/2020 9:23:36 AM

Quant Time: Jul 10 05:02:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 00:55:52 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	144001	46.317	ug/l	98
94) Hexachlorobutadiene	14.98	225	72720	47.966	ug/l	98
95) Naphthalene	15.10	128	404091	53.858	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	141745	46.353	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 269956

Ion Ratio Lower Upper

168 100

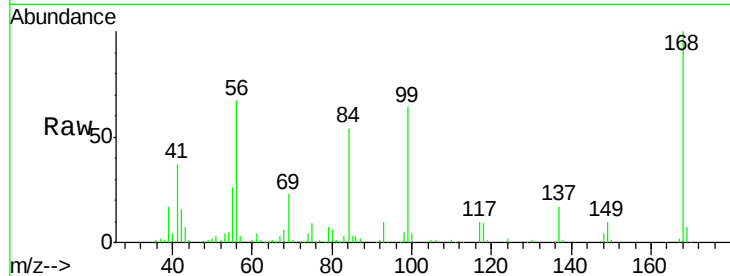
99 63.6 48.8 73.2

Manual Integrations

APPROVED

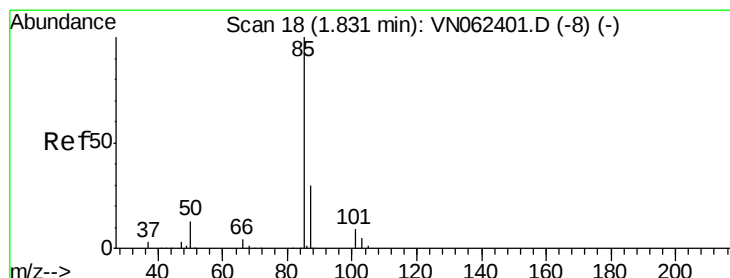
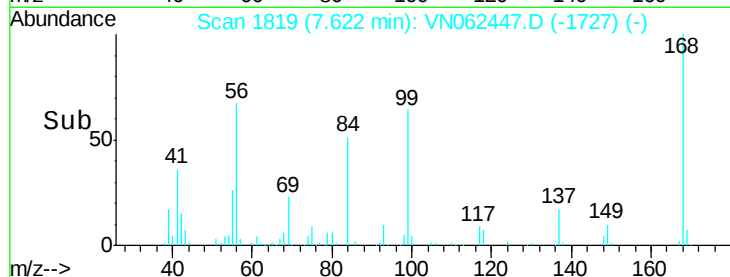
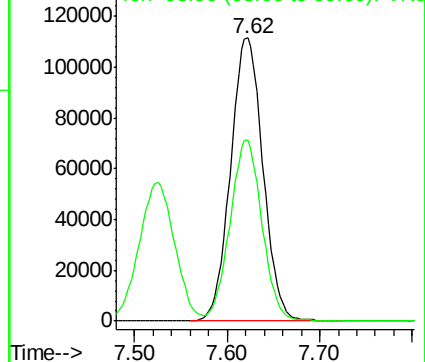
MMDadoda

7/10/2020 9:23:36 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.075 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062447.D

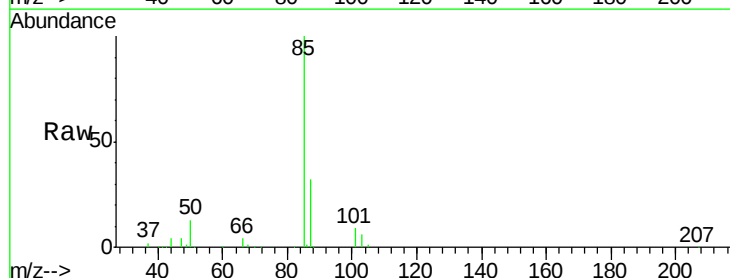
Acq: 9 Jul 2020 10:20

Tgt Ion: 85 Resp: 123945

Ion Ratio Lower Upper

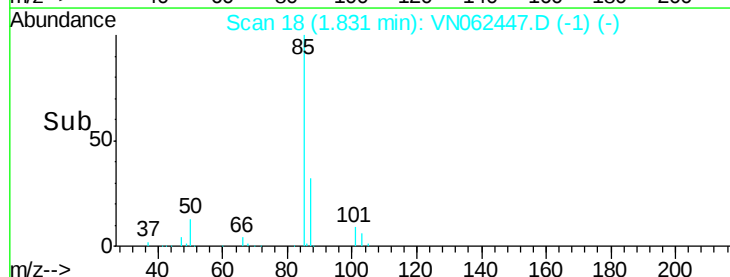
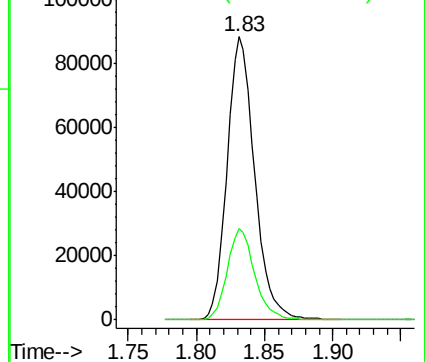
85 100

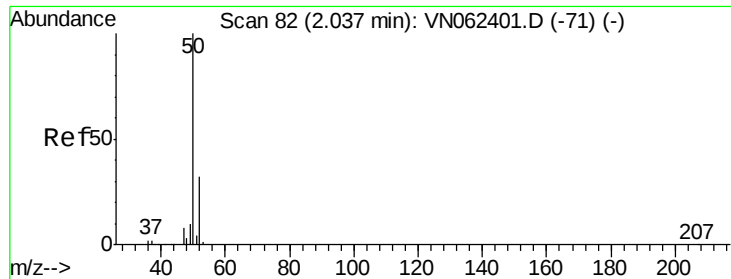
87 32.4 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 39.666 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 175013

Ion Ratio Lower Upper

50 100

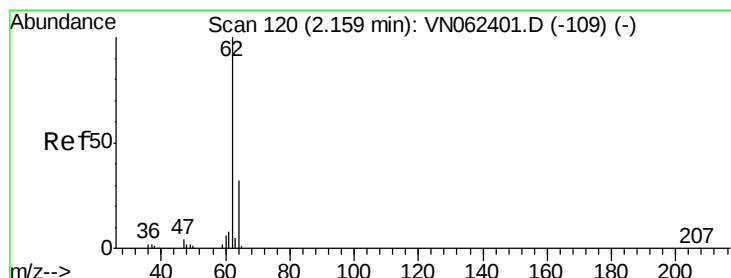
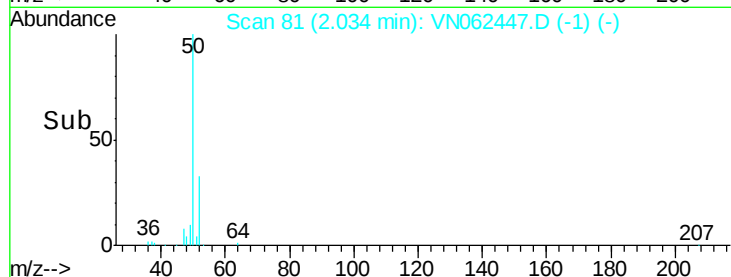
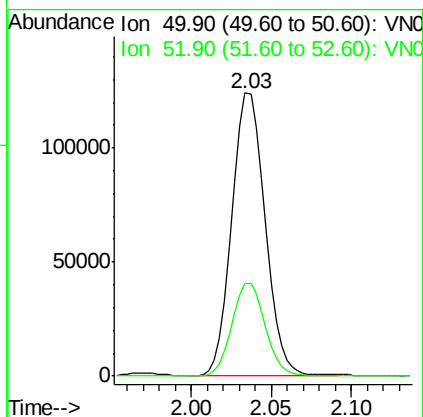
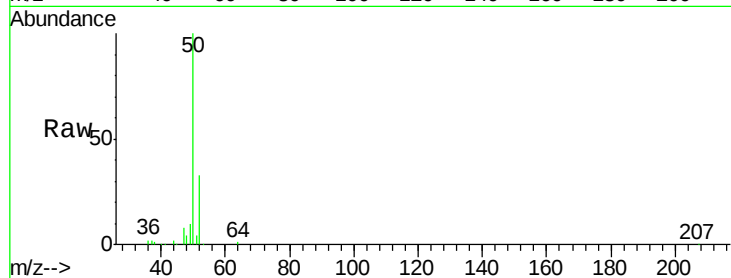
52 32.8 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

7/10/2020 9:23:36 AM



#4

Vinyl Chloride

Concen: 44.803 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062447.D

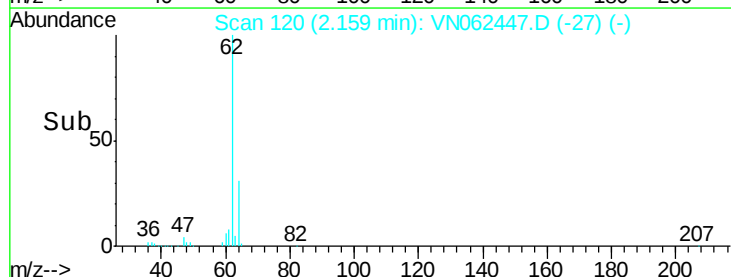
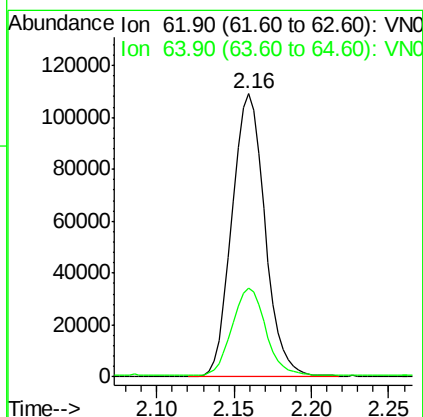
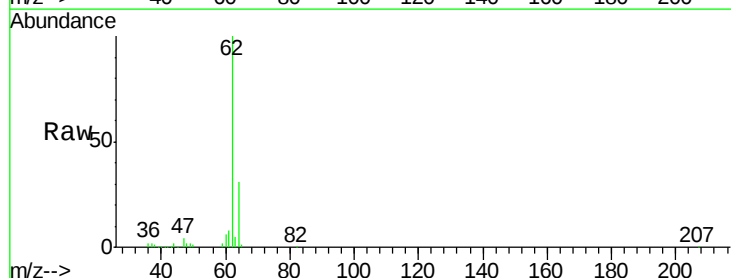
Acq: 9 Jul 2020 10:20

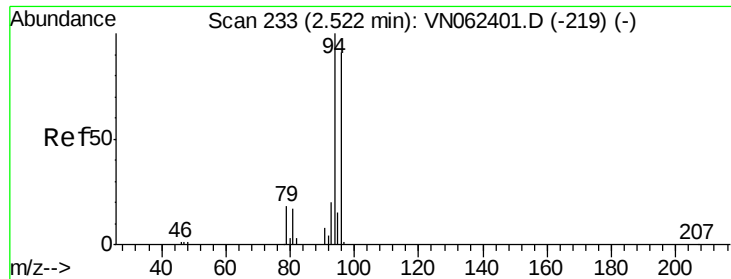
Tgt Ion: 62 Resp: 161953

Ion Ratio Lower Upper

62 100

64 30.9 25.7 38.5





#5

Bromomethane

Concen: 33.819 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 65657

Ion Ratio Lower Upper

94 100

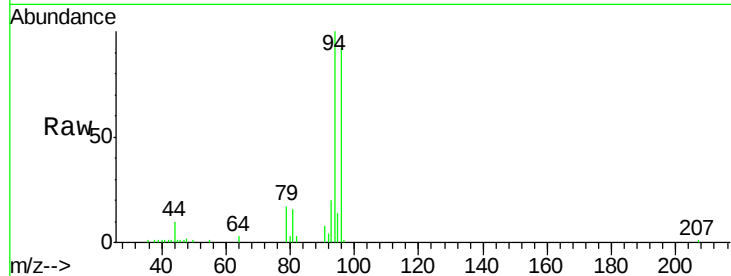
96 91.8 73.2 109.8

Manual Integrations

APPROVED

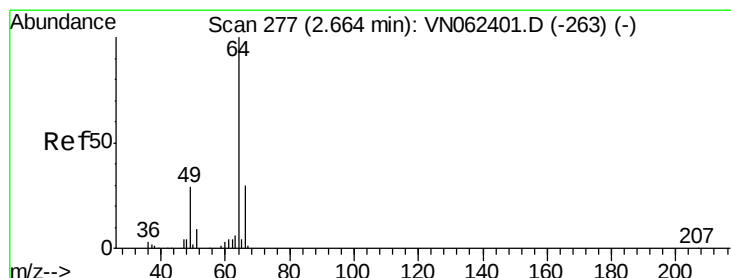
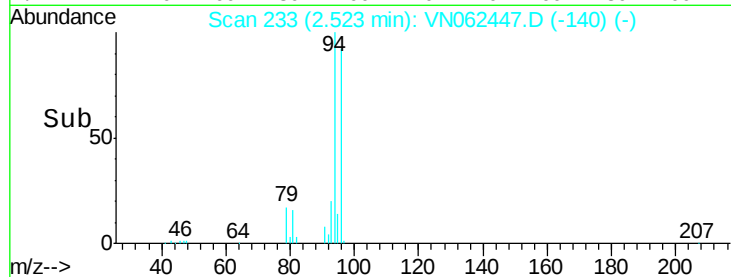
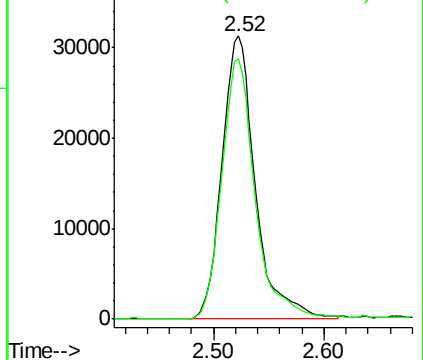
MMDadoda

7/10/2020 9:23:36 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.732 ug/l

RT: 2.66 min Scan# 277

Delta R.T. 0.00 min

Lab File: VN062447.D

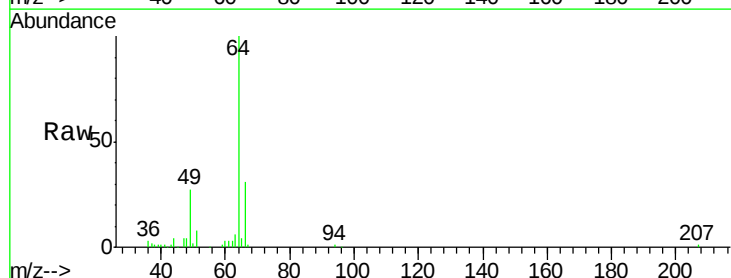
Acq: 9 Jul 2020 10:20

Tgt Ion: 64 Resp: 98389

Ion Ratio Lower Upper

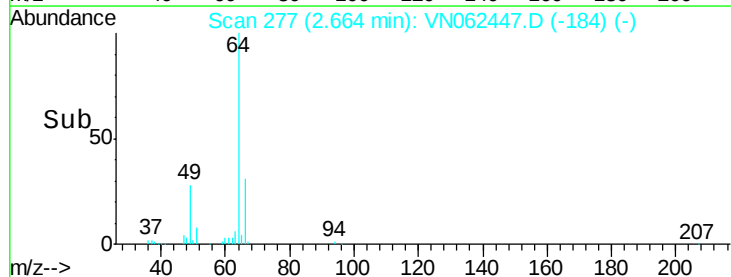
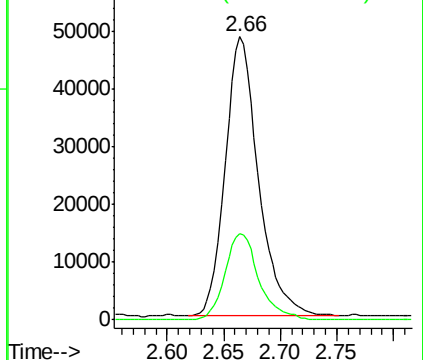
64 100

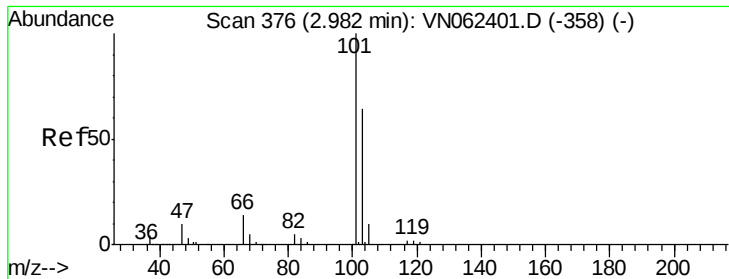
66 31.1 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

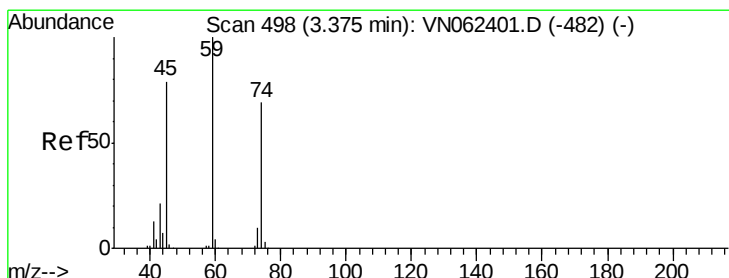
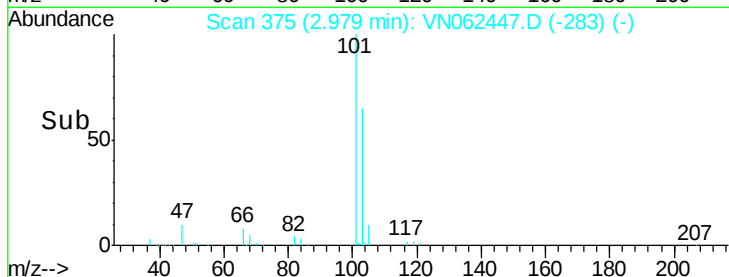
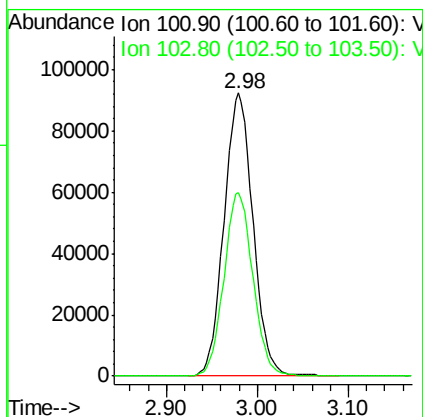
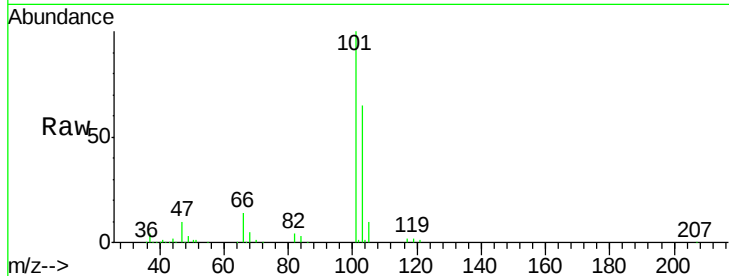
Trichlorofluoromethane
 Concen: 44.500 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.6	77.4

Manual Integrations
 APPROVED

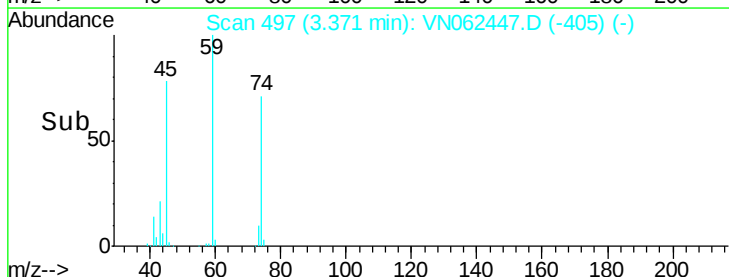
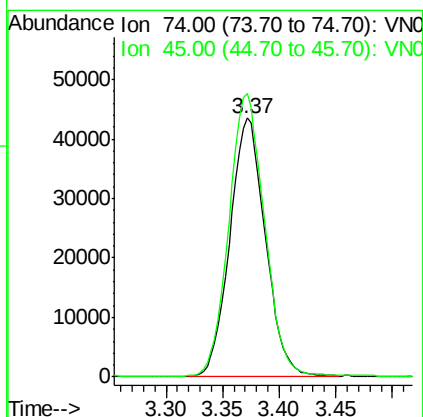
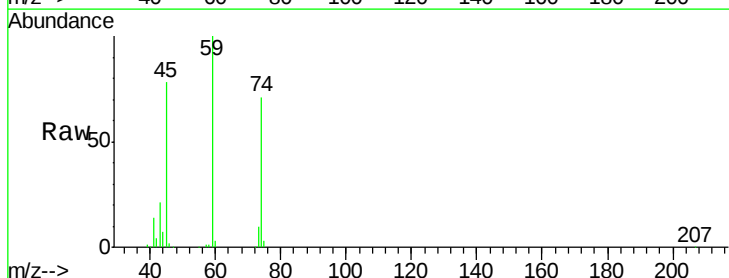
MMDadoda
 7/10/2020 9:23:36 AM

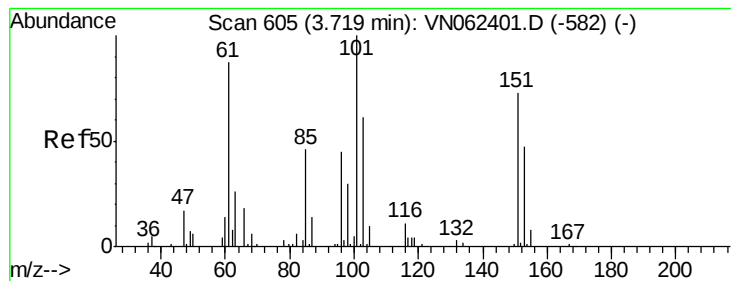


#8

Diethyl Ether
 Concen: 46.458 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.5	58.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.273 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

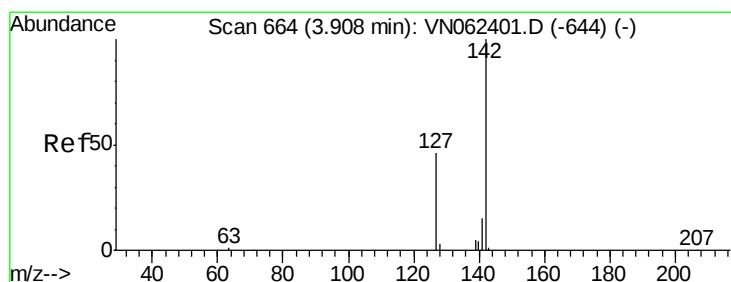
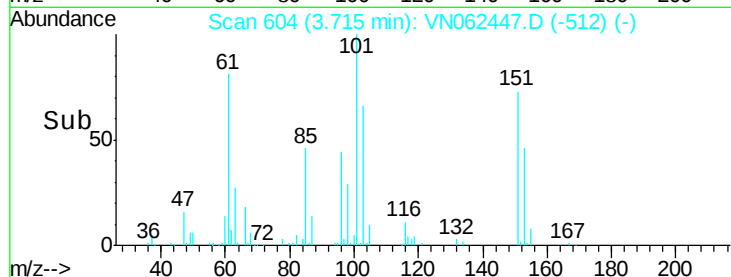
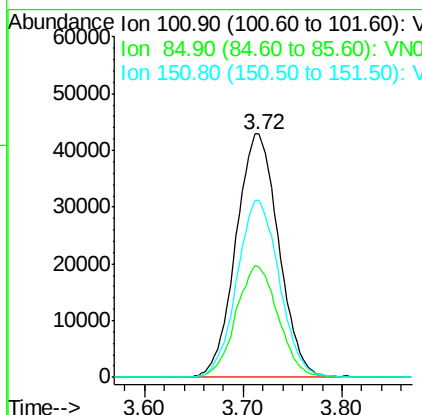
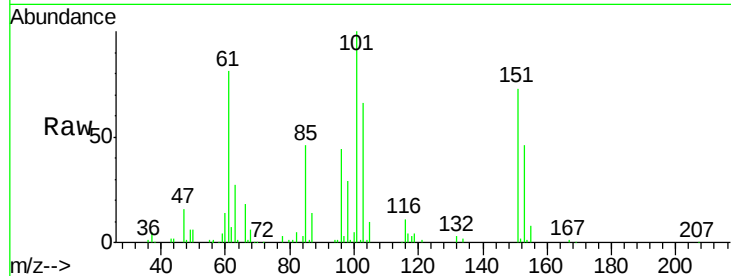
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	128653
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.7	55.1
151	72.4	58.3	87.5

Manual Integrations
APPROVED

MMDadoda
7/10/2020 9:23:36 AM



#10

Methyl Iodide

Concen: 27.274 ug/l

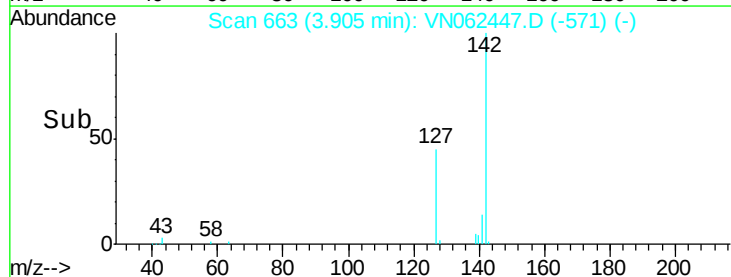
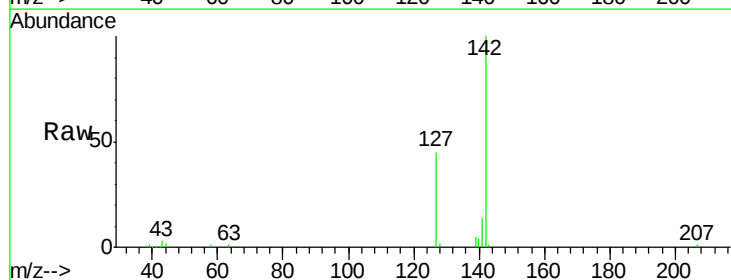
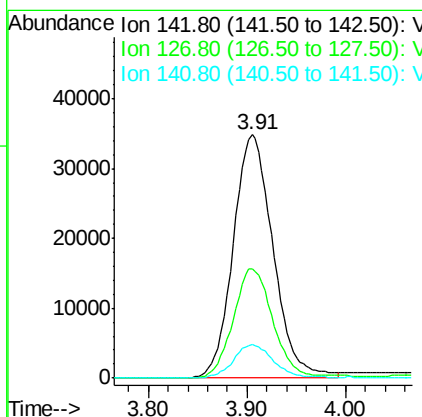
RT: 3.91 min Scan# 663

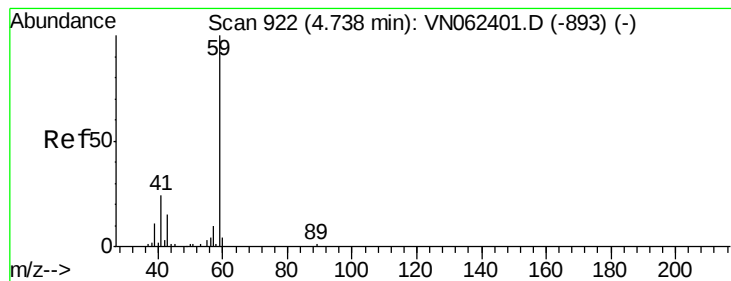
Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Tgt Ion:	142	Resp:	98010
Ion Ratio	Lower	Upper	
142	100		
127	44.4	36.1	54.1
141	13.7	11.4	17.0





#11

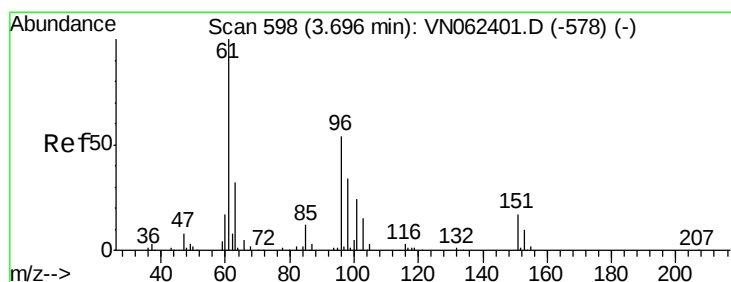
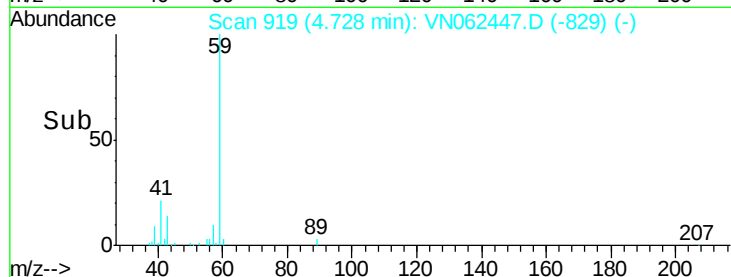
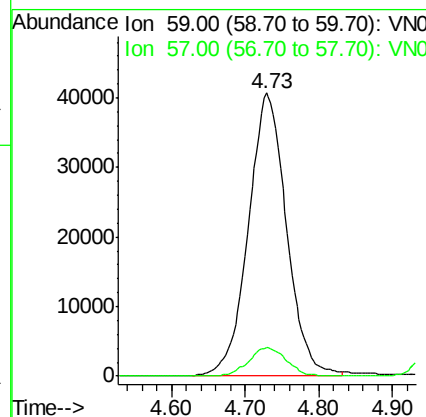
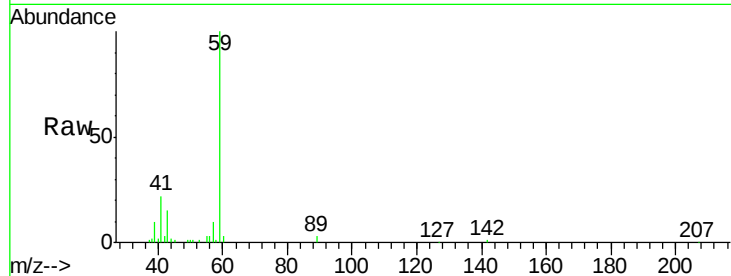
Tert butyl alcohol
 Concen: 213.235 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.6

Manual Integrations
 APPROVED

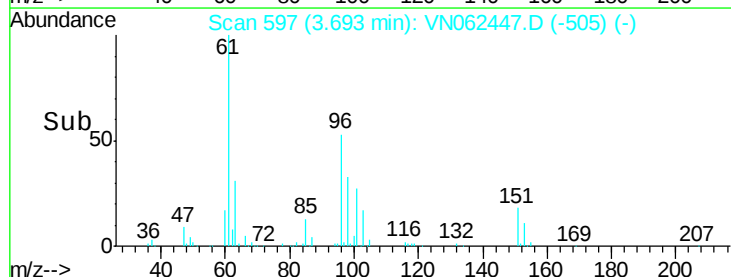
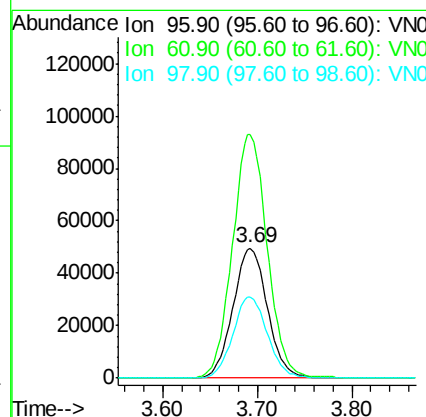
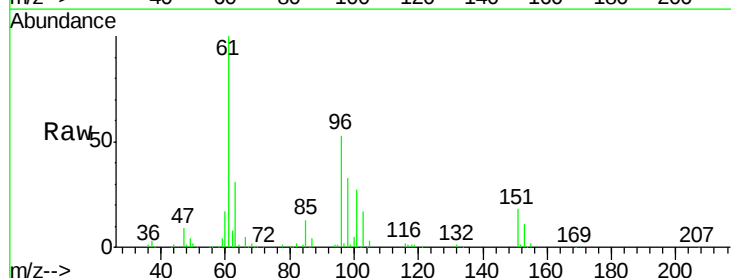
MMDadoda
 7/10/2020 9:23:36 AM

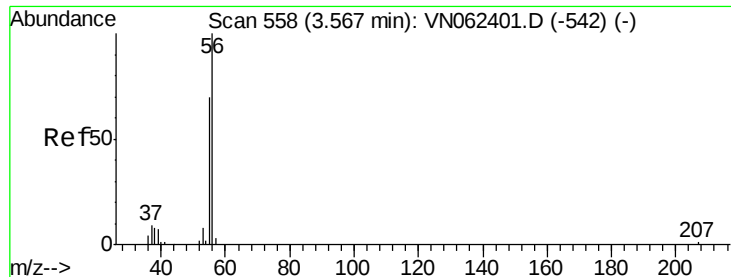


#12

1,1-Dichloroethene
 Concen: 45.329 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.4	147.4	221.0
98	62.2	50.4	75.6





#13

Acrolein

Concen: 200.661 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 99704

Ion Ratio Lower Upper

56 100

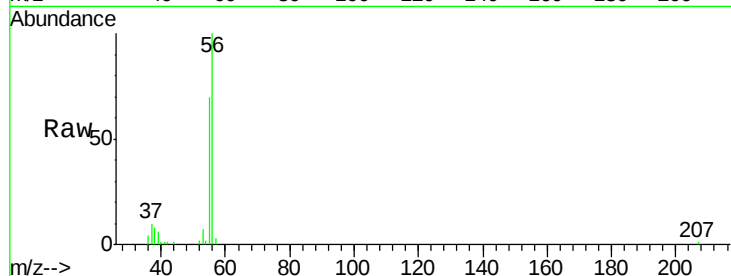
55 70.0 57.2 85.8

Manual Integrations

APPROVED

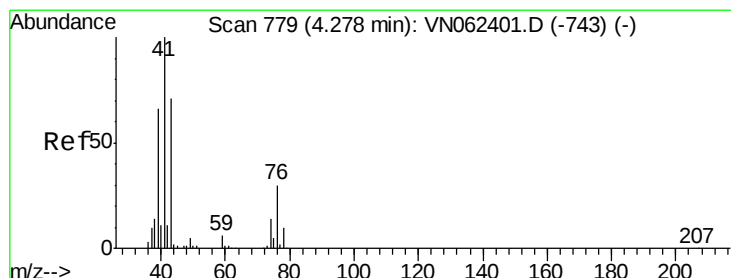
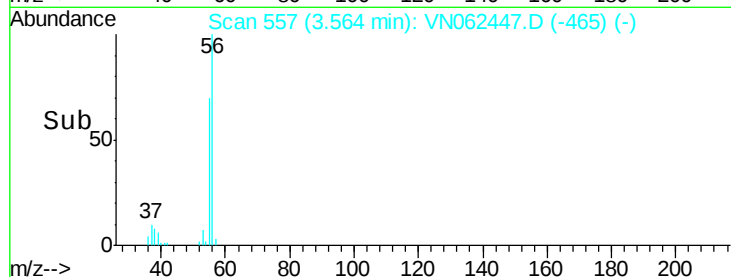
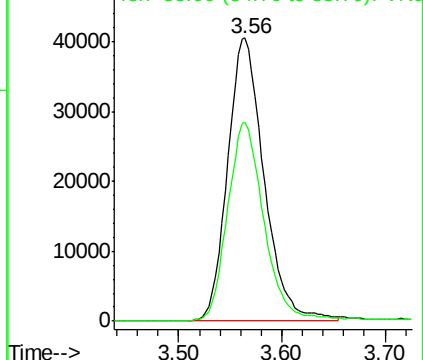
MMDadoda

7/10/2020 9:23:36 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 43.730 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.01 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

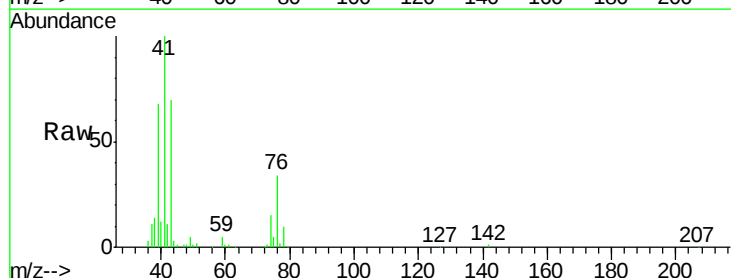
Tgt Ion: 41 Resp: 284971

Ion Ratio Lower Upper

41 100

39 64.6 49.6 74.4

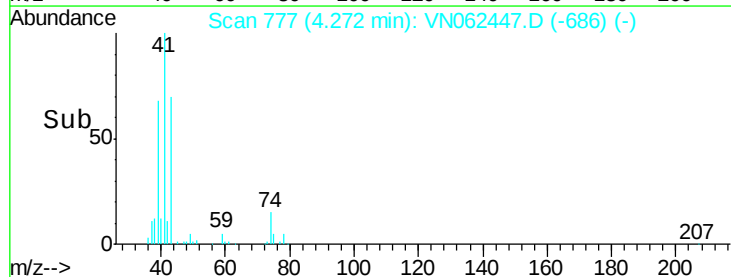
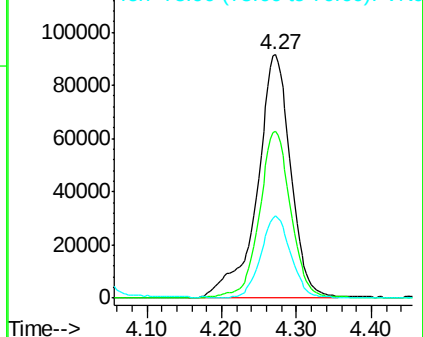
76 29.7 22.2 33.4



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 224.163 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.01 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

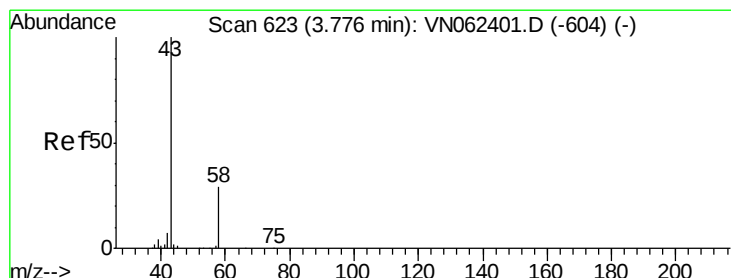
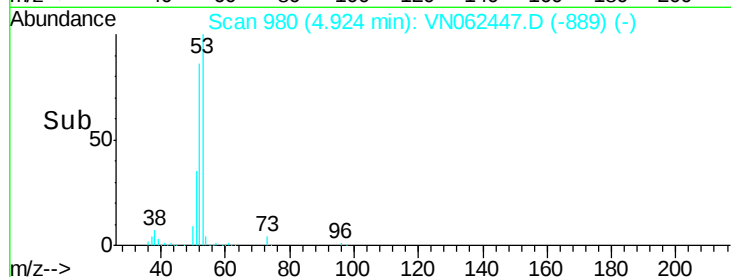
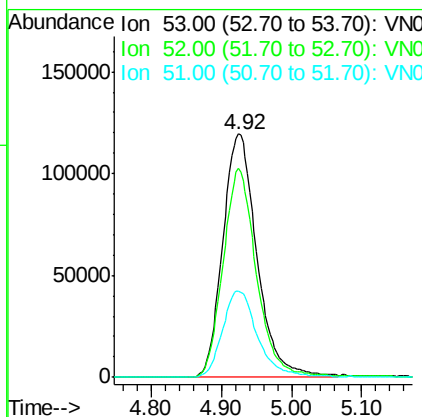
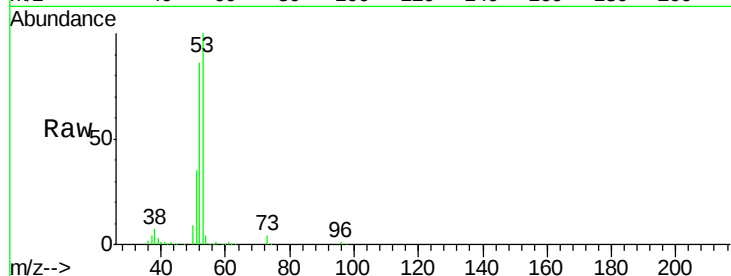
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	404941
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.2	99.4
51	36.3	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
7/10/2020 9:23:36 AM



#16

Acetone

Concen: 245.231 ug/l

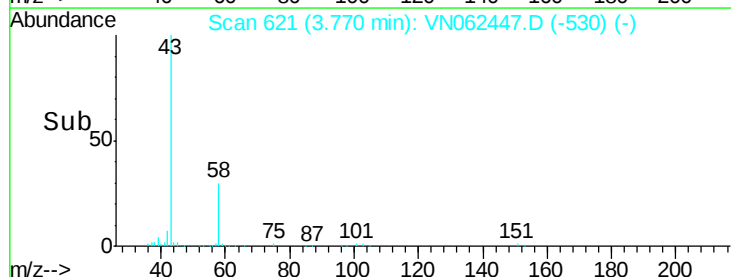
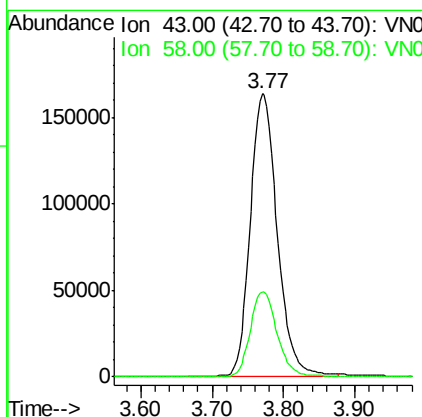
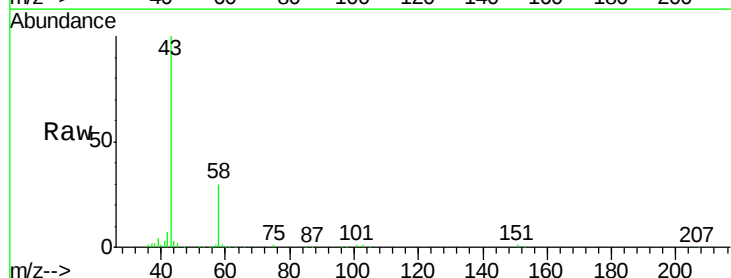
RT: 3.77 min Scan# 621

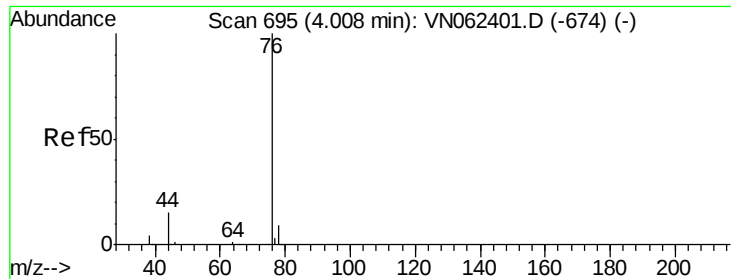
Delta R.T. -0.01 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Tgt Ion:	43	Resp:	432310
Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.5	35.3





#17

Carbon Disulfide

Concen: 43.064 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 373900

Ion Ratio Lower Upper

76 100

78 8.7

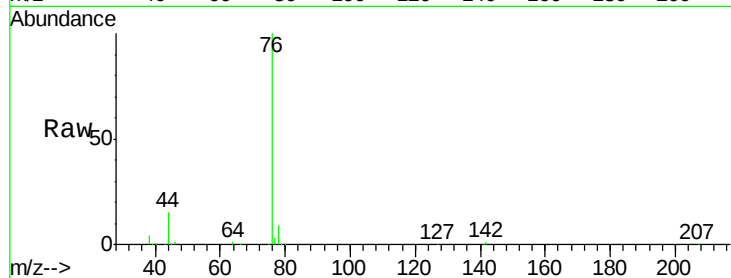
7.3 10.9

Manual Integrations

APPROVED

MMDadoda

7/10/2020 9:23:36 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.00

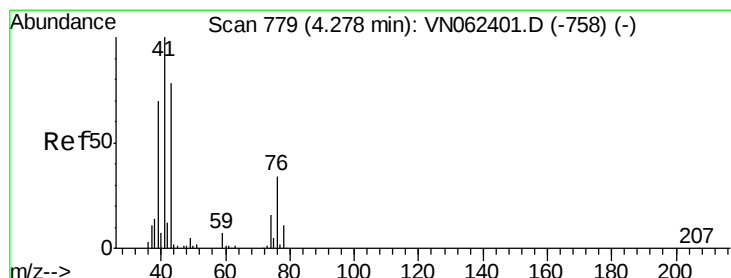
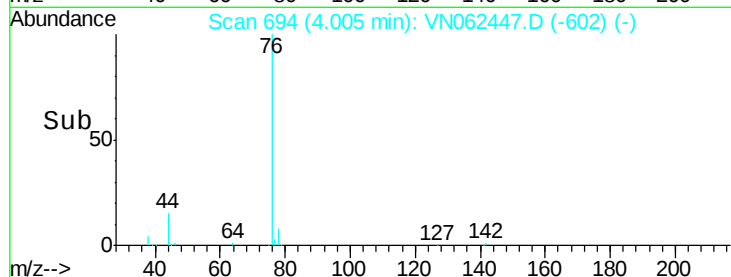
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 42.117 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.01 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

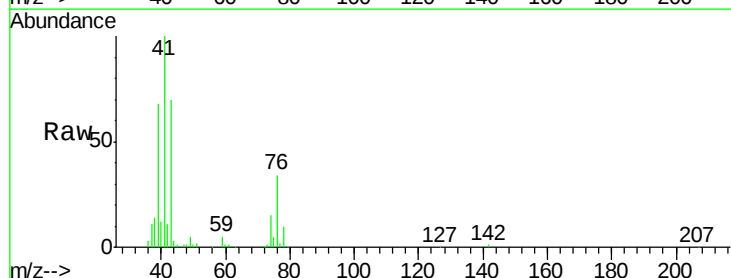
Tgt Ion: 43 Resp: 185289

Ion Ratio Lower Upper

43 100

74 21.3

16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.27

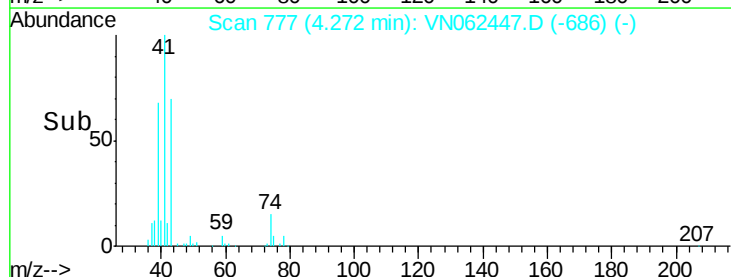
60000

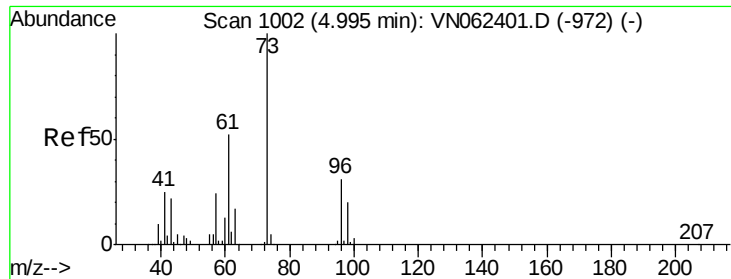
40000

20000

0

Time-->





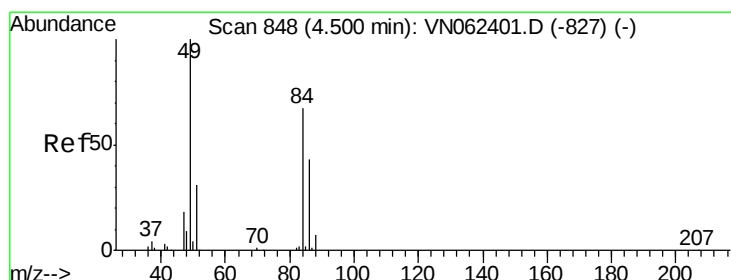
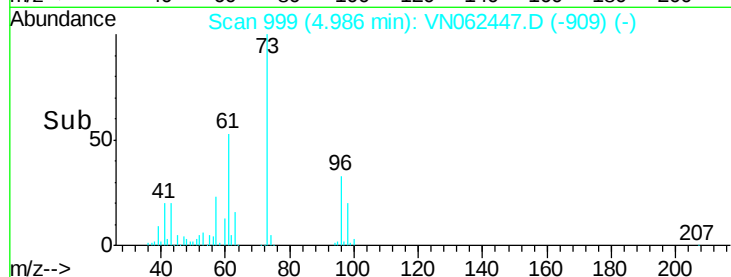
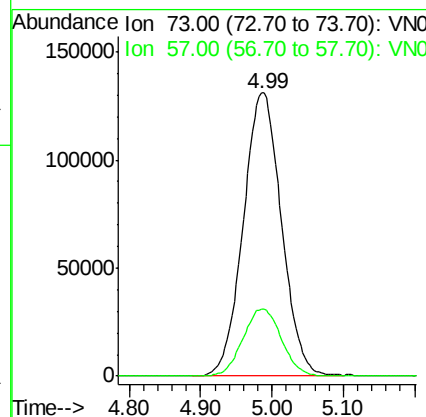
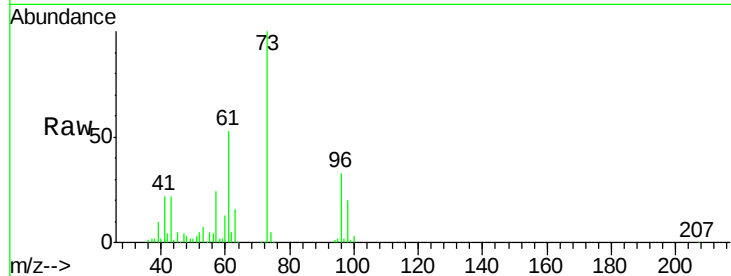
#19
Methyl tert-butyl Ether
Concen: 46.499 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.01 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 488479
Ion Ratio Lower Upper
73 100
57 23.8 19.4 29.0

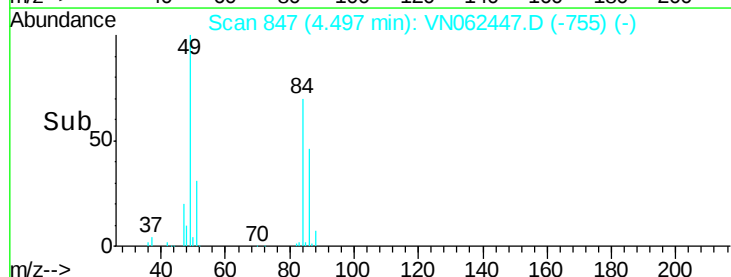
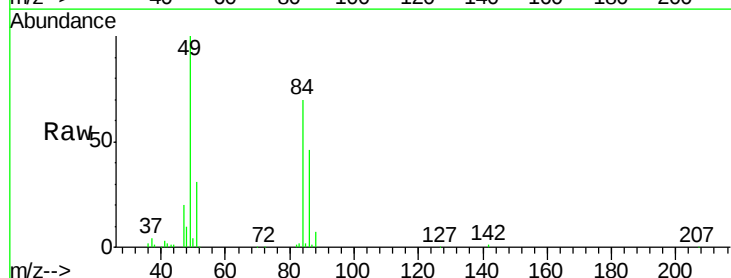
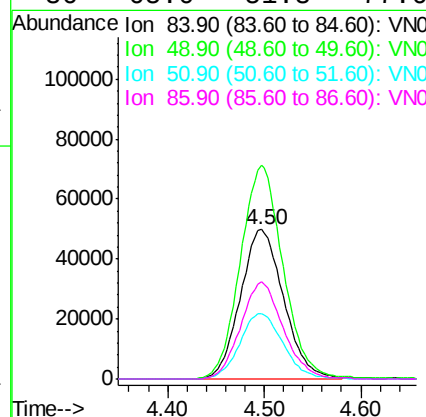
Manual Integrations
APPROVED

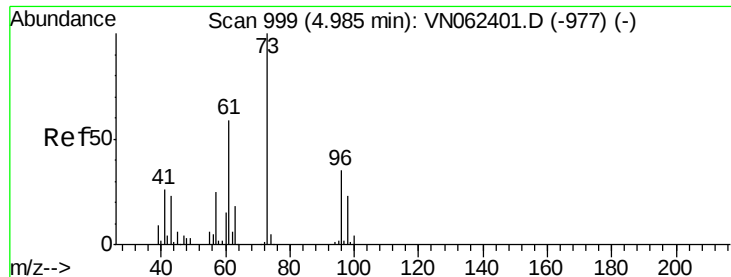
MMDadoda
7/10/2020 9:23:36 AM



#20
Methylene Chloride
Concen: 41.223 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Tgt Ion: 84 Resp: 155376
Ion Ratio Lower Upper
84 100
49 142.8 120.0 180.0
51 44.0 37.0 55.6
86 65.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 45.766 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

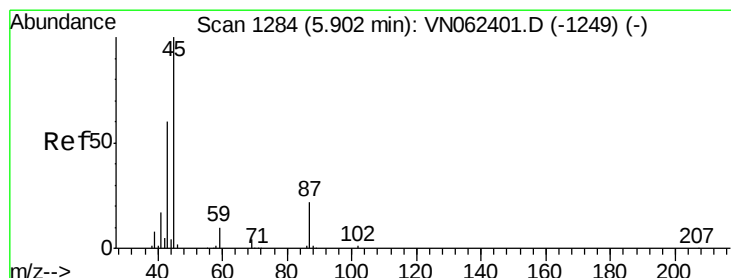
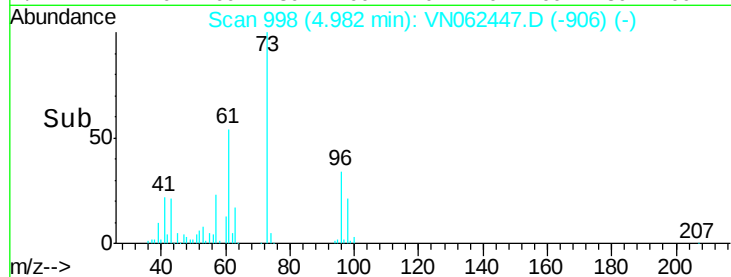
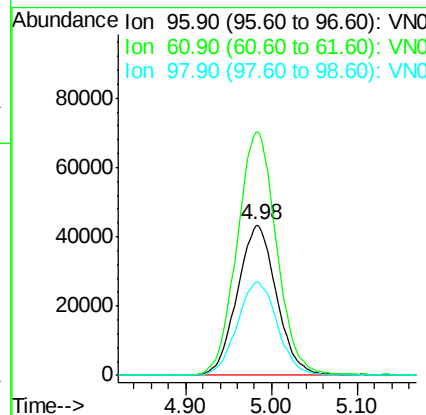
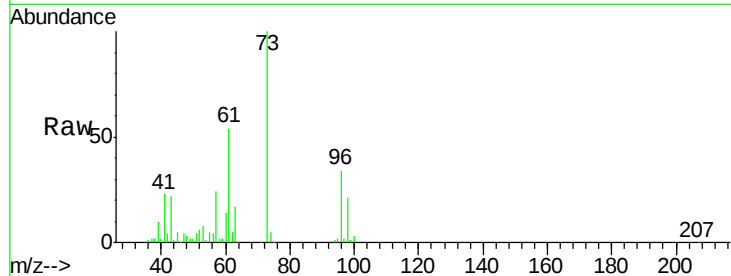
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	137381
Ion	Ratio	Lower	Upper
96	100		
61	162.1	133.5	200.3
98	62.3	51.9	77.9

Manual Integrations
APPROVED

MMDadoda
7/10/2020 9:23:36 AM



#22

Diisopropyl ether

Concen: 44.699 ug/l

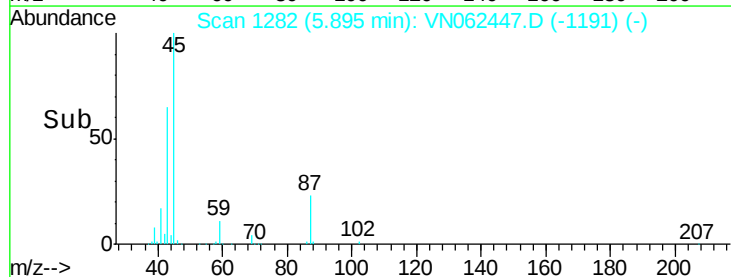
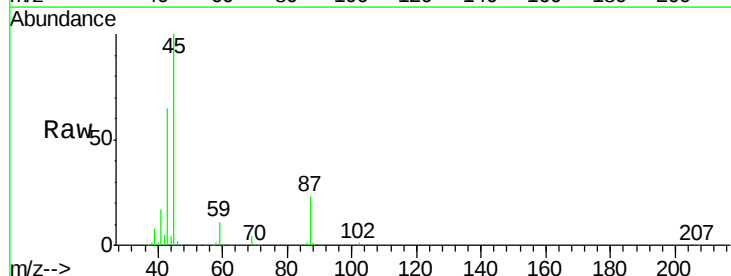
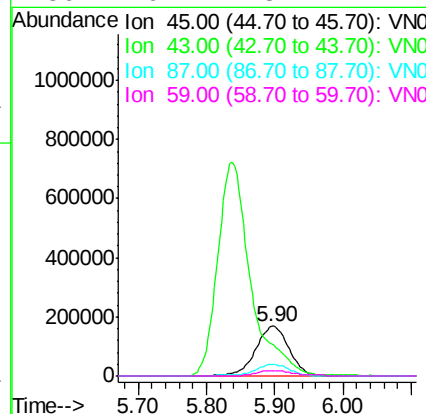
RT: 5.90 min Scan# 1282

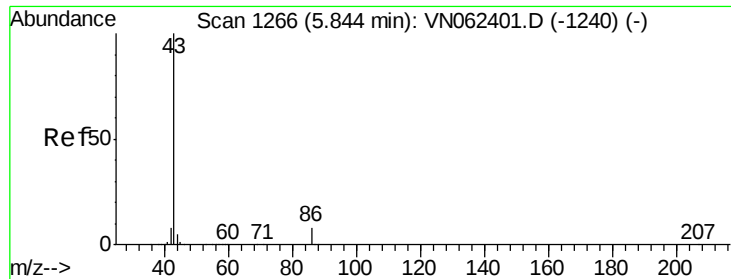
Delta R.T. -0.01 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Tgt Ion:	45	Resp:	575487
Ion	Ratio	Lower	Upper
45	100		
43	63.4	50.1	75.1
87	23.2	18.2	27.4
59	10.7	8.2	12.2





#23

Vinyl Acetate

Concen: 228.953 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2441850

Ion Ratio Lower Upper

43 100

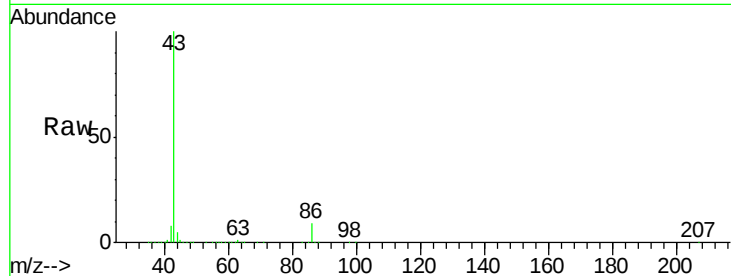
86 8.6 6.7 10.1

Manual Integrations

APPROVED

MMDadoda

7/10/2020 9:23:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

800000

600000

400000

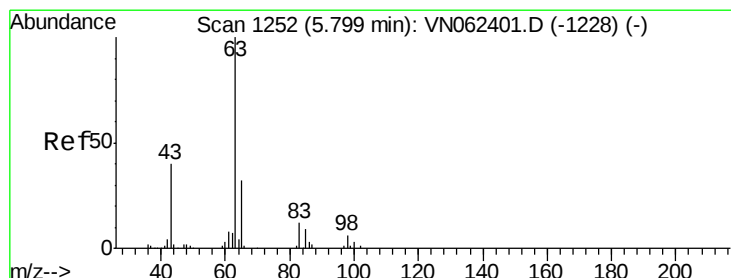
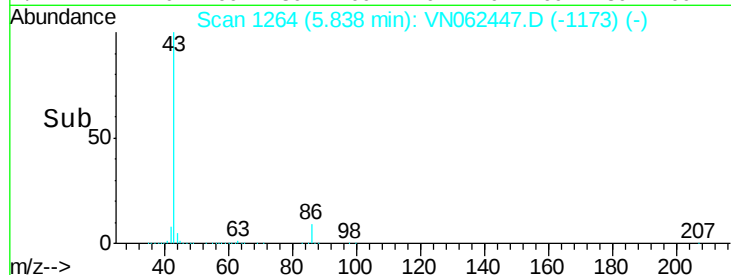
200000

0

5.80

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 45.138 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

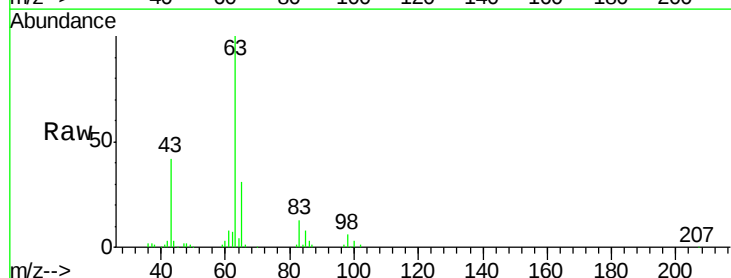
Tgt Ion: 63 Resp: 300296

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.8

100 3.4 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

120000

100000

80000

60000

40000

20000

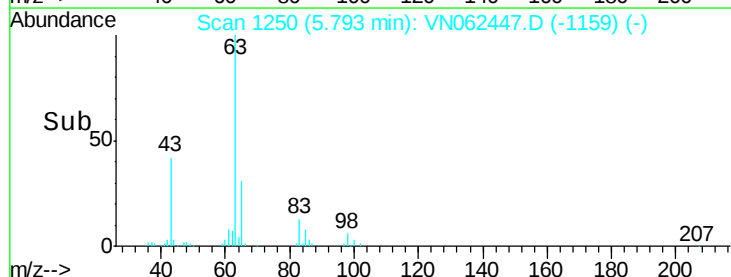
0

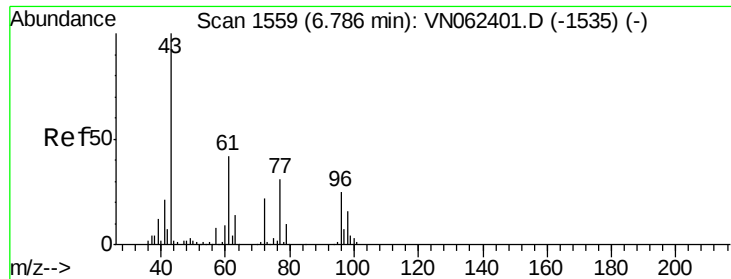
5.70

5.80

5.90

Time-->





#25

2-Butanone

Concen: 227.579 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.01 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 585916

Ion Ratio Lower Upper

43 100

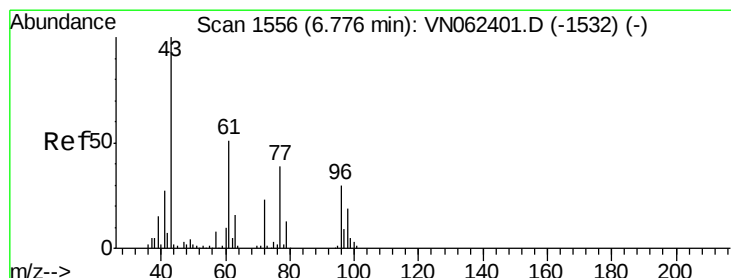
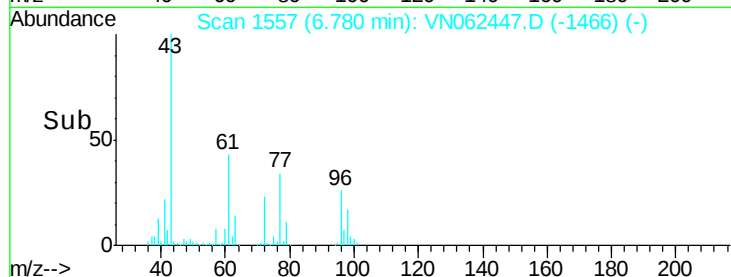
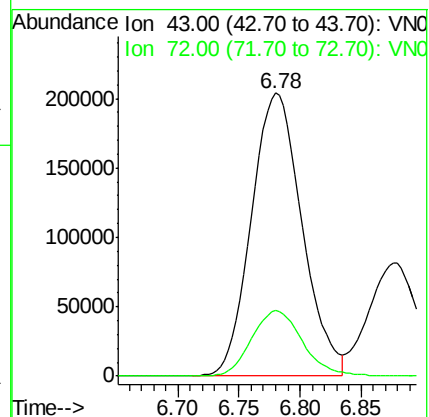
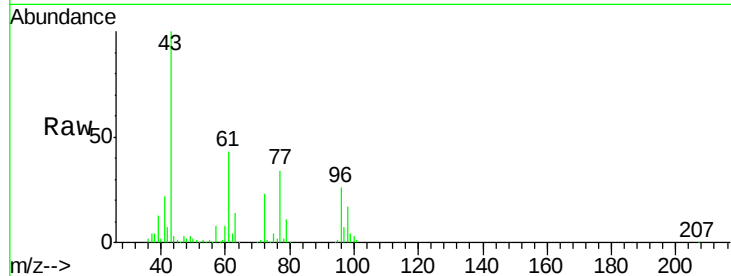
72 23.2 17.9 26.9

Manual Integrations

APPROVED

MMDadoda

7/10/2020 9:23:36 AM



#26

2,2-Dichloropropane

Concen: 48.189 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN062447.D

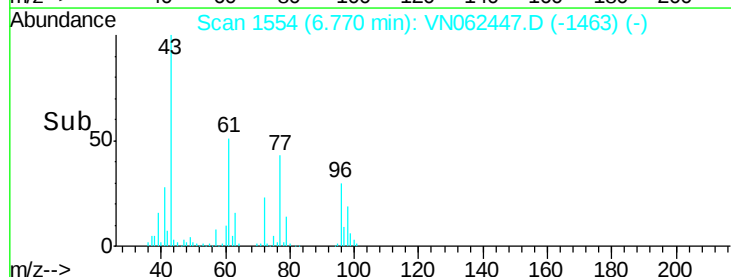
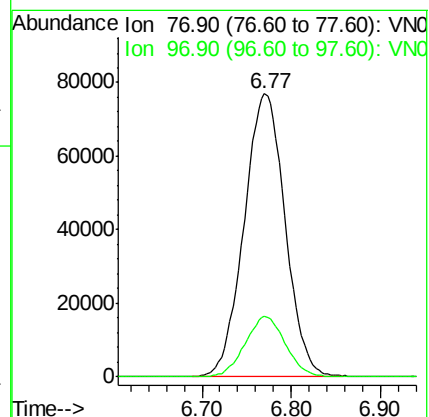
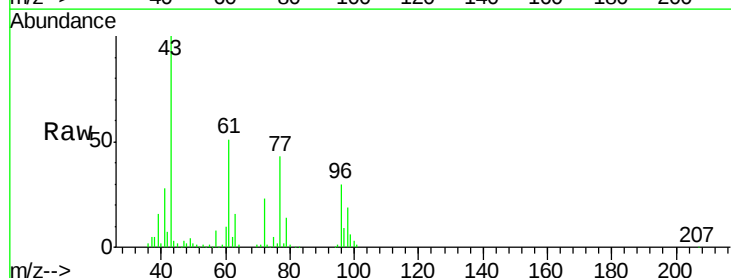
Acq: 9 Jul 2020 10:20

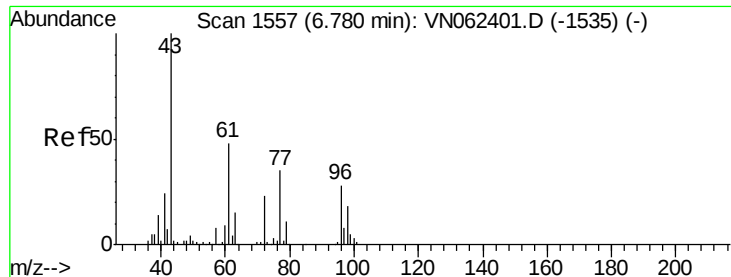
Tgt Ion: 77 Resp: 245819

Ion Ratio Lower Upper

77 100

97 21.0 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 46.843 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

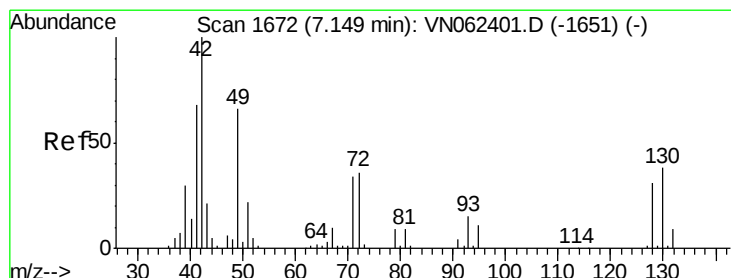
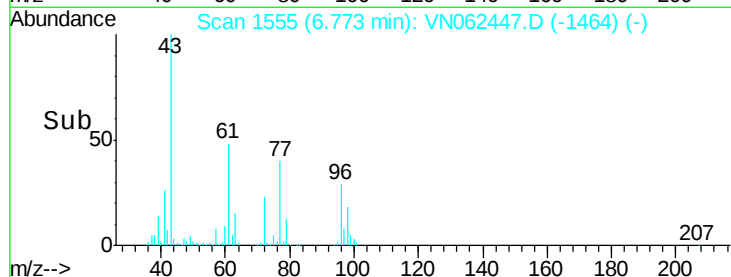
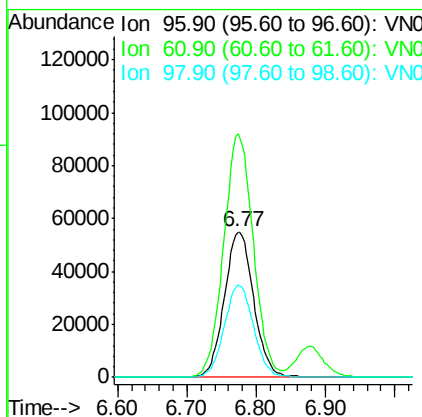
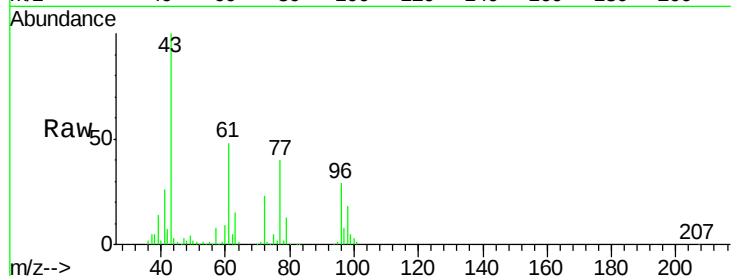
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	162867
Ion	Ratio	Lower	Upper
96	100		
61	168.1	0.0	343.4
98	63.4	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
7/10/2020 9:23:36 AM



#28

Bromochloromethane

Concen: 42.472 ug/l

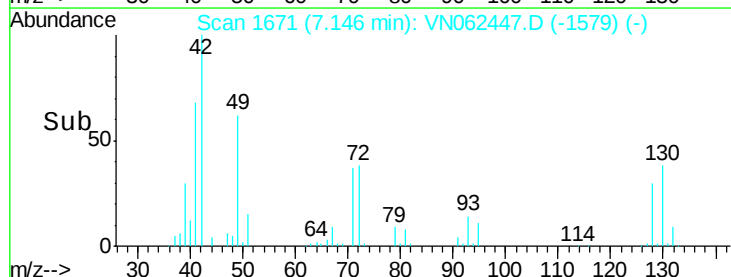
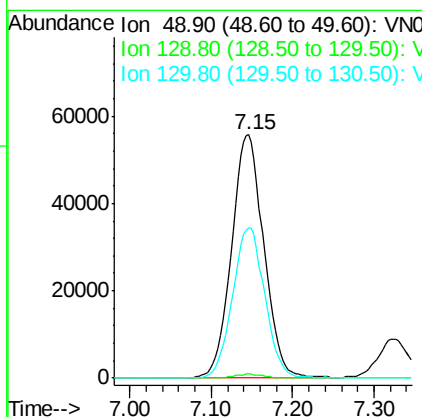
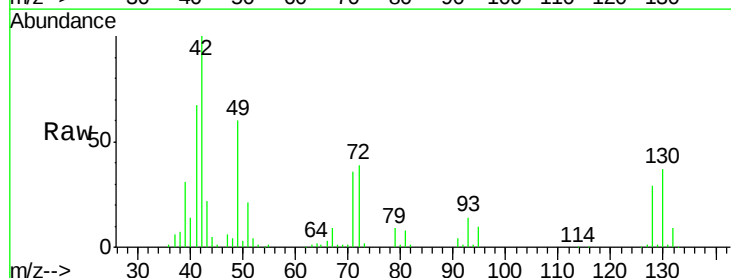
RT: 7.15 min Scan# 1671

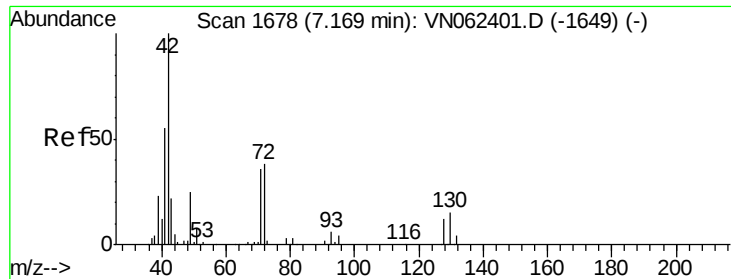
Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Tgt Ion:	49	Resp:	153516
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.8
130	61.5	46.5	69.7





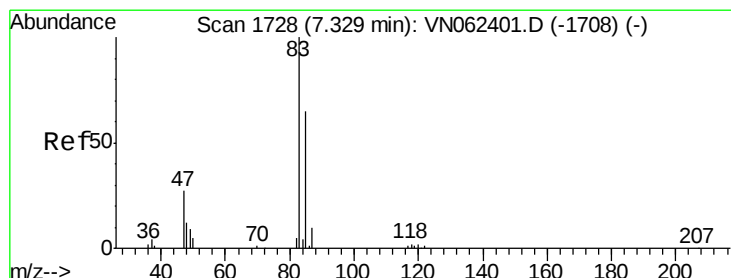
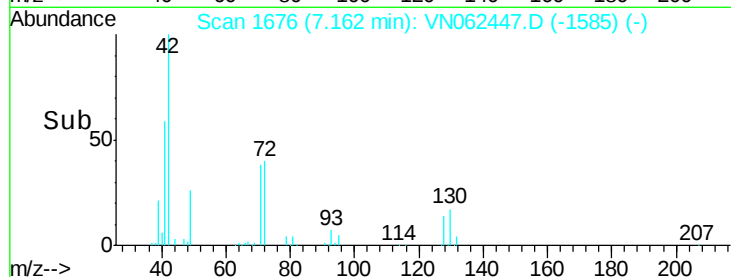
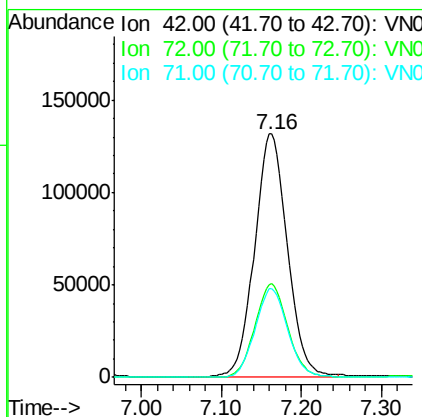
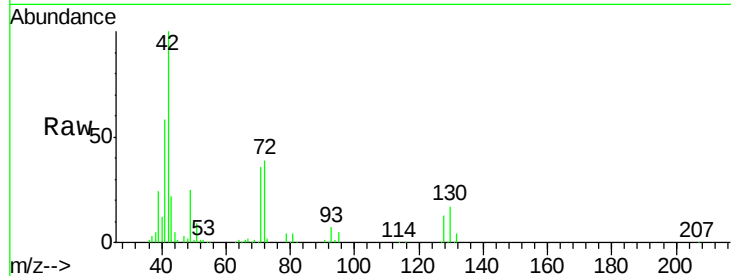
#29
Tetrahydrofuran
Concen: 214.889 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	29.1	43.7
71	36.3	28.1	42.1

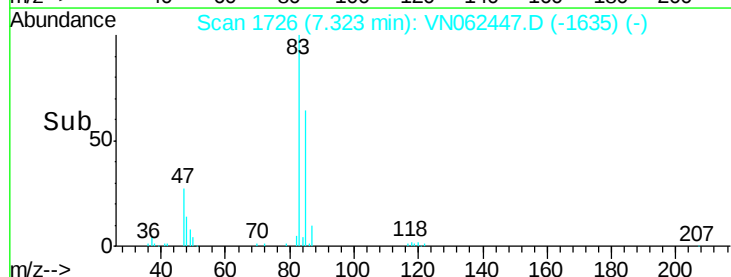
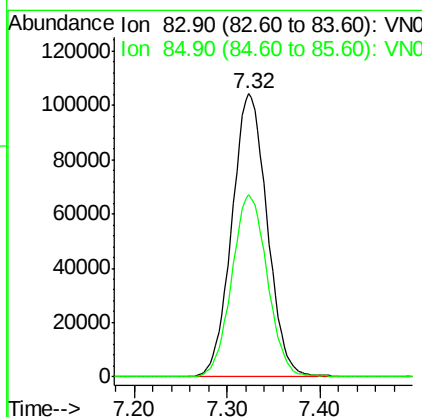
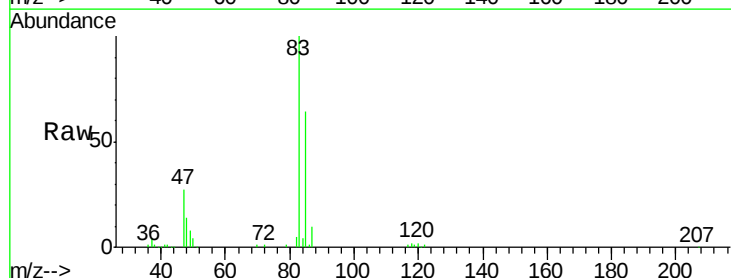
Manual Integrations
APPROVED

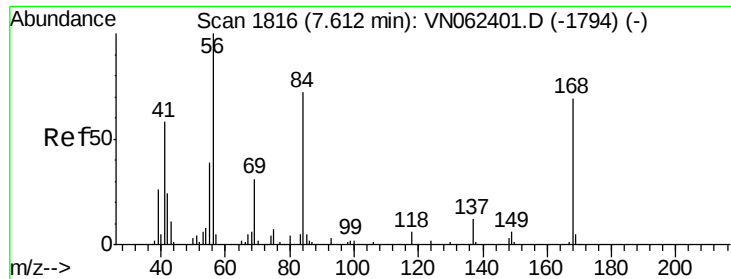
MMDadoda
7/10/2020 9:23:36 AM



#30
Chloroform
Concen: 45.790 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.01 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6





#31

Cyclohexane

Concen: 42.295 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

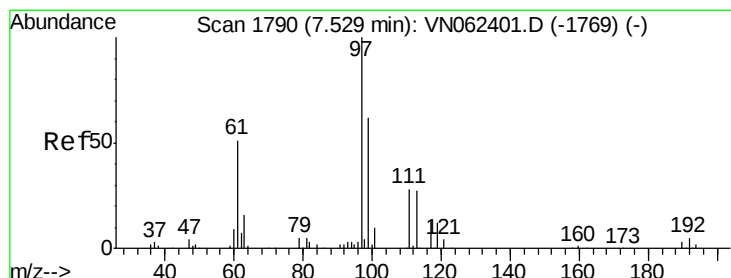
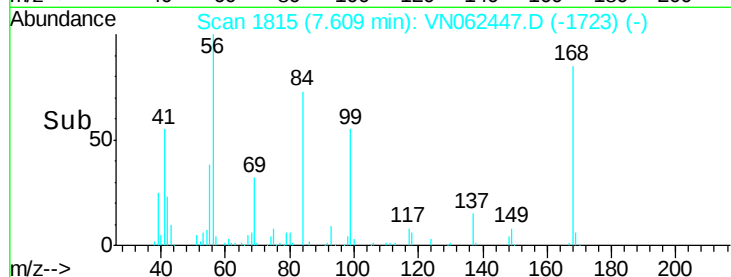
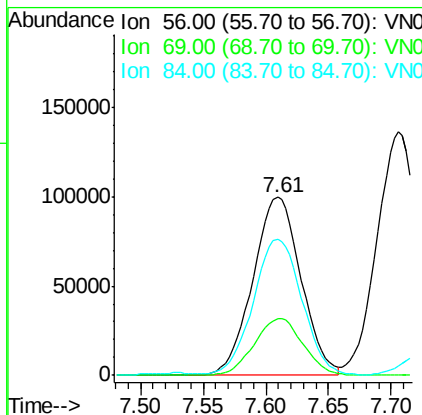
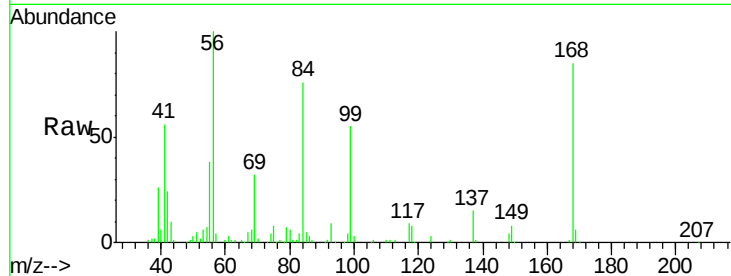
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	266757
Ion Ratio	Lower	Upper	
56	100		
69	31.7	24.5	36.7
84	75.5	57.4	86.2

Manual Integrations
APPROVED

MMDadoda
7/10/2020 9:23:36 AM



#32

1,1,1-Trichloroethane

Concen: 46.375 ug/l

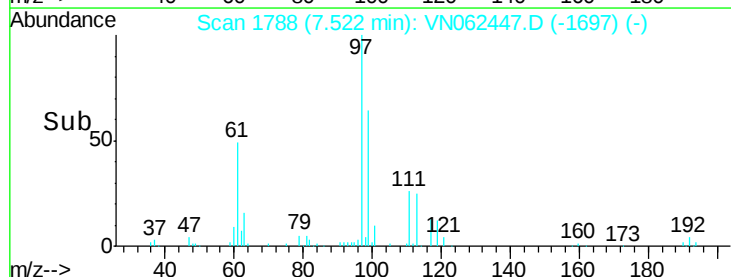
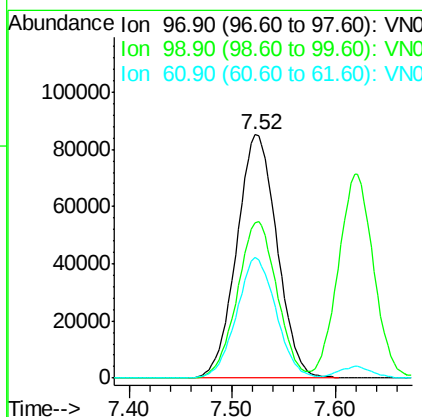
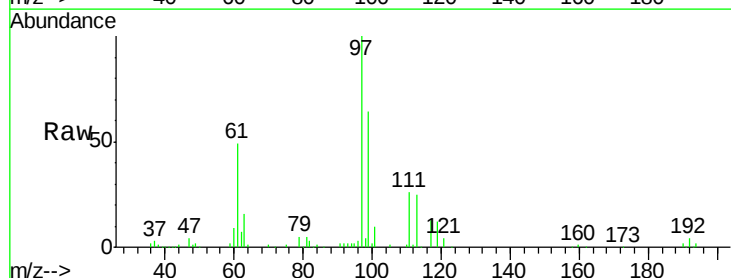
RT: 7.52 min Scan# 1788

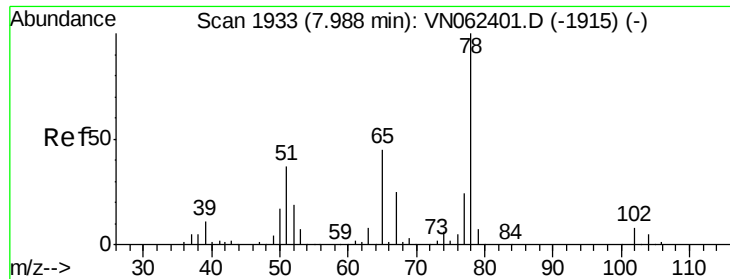
Delta R.T. -0.01 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Tgt Ion:	97	Resp:	231721
Ion Ratio	Lower	Upper	
97	100		
99	63.2	50.4	75.6
61	48.4	39.9	59.9





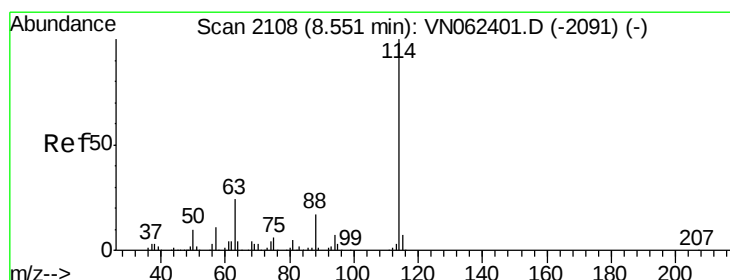
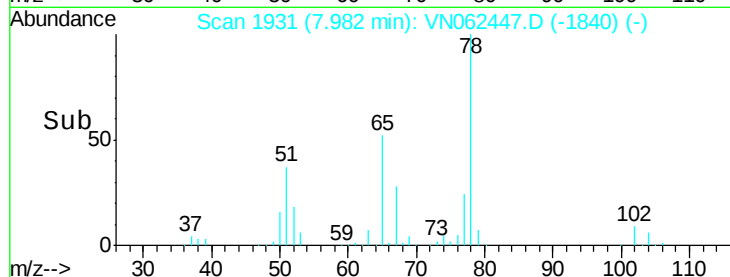
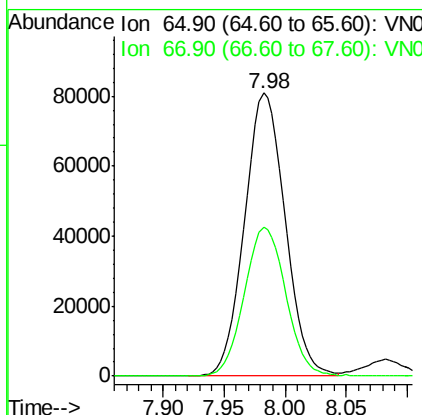
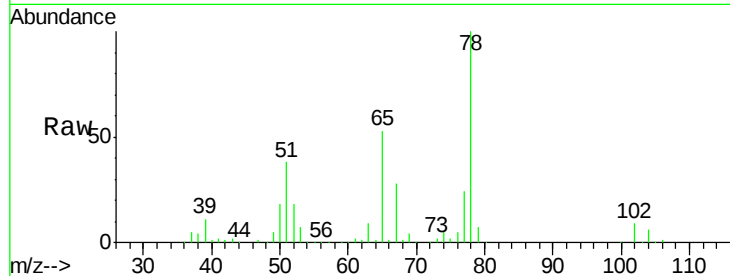
#33
 1,2-Dichloroethane-d4
 Concen: 44.962 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	186695		
67	53.6	0.0	107.6	

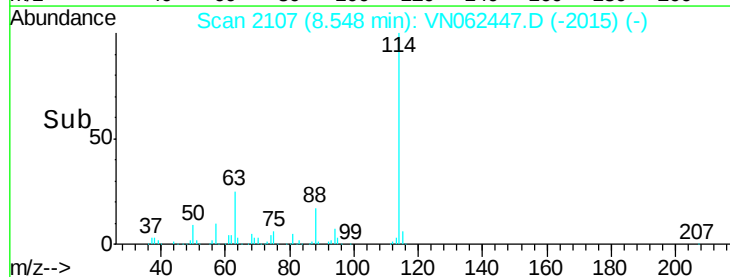
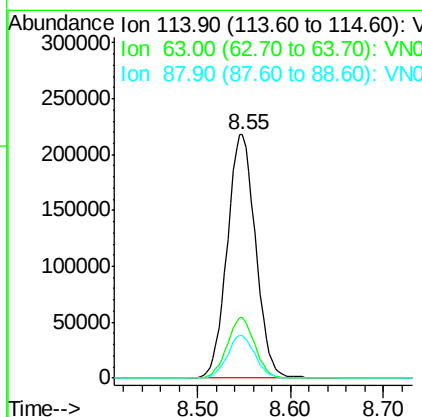
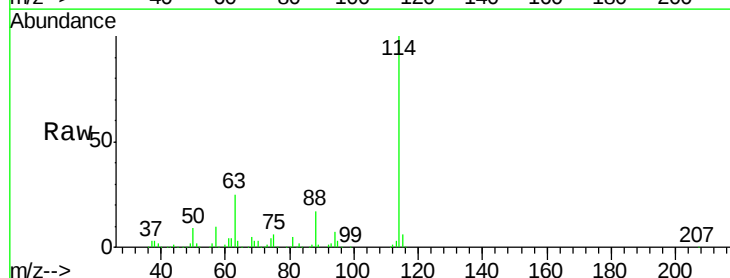
Manual Integrations
 APPROVED

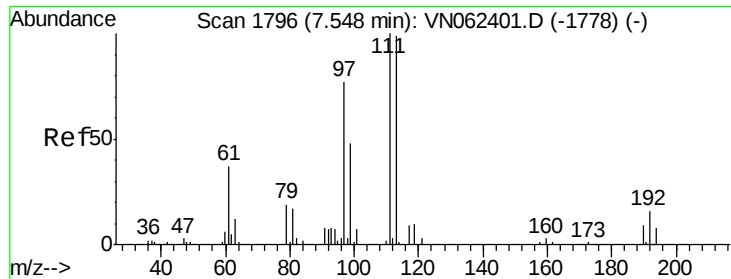
MMDadoda
 7/10/2020 9:23:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	462282		
63	24.8	0.0	48.4	
88	17.3	0.0	33.8	





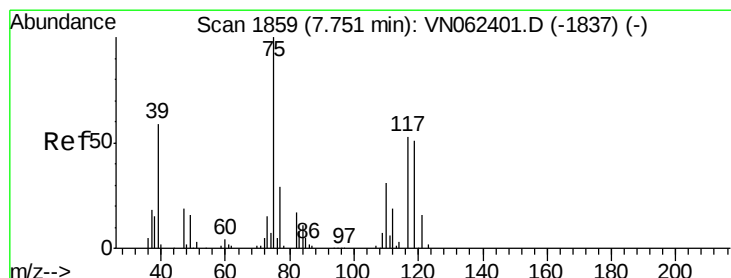
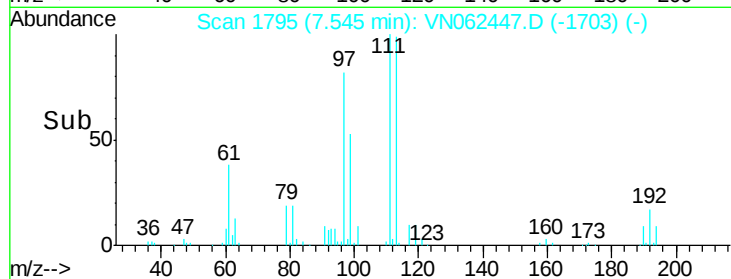
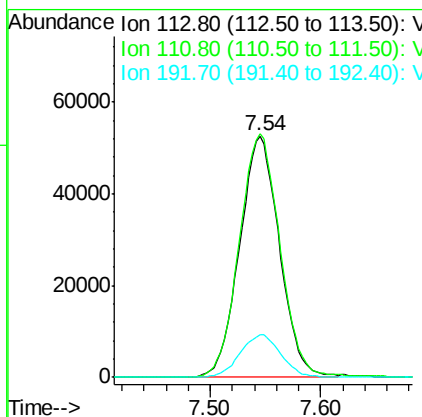
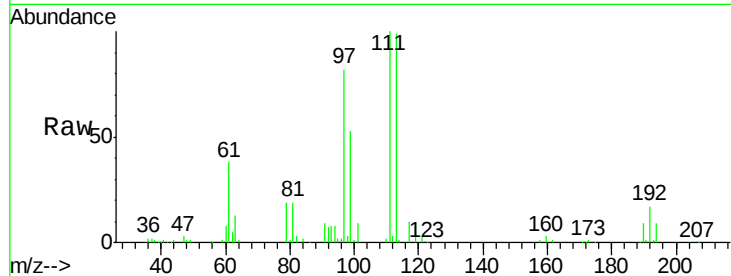
#35
 Dibromofluoromethane
 Concen: 45.988 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	131413		
111	103.4	83.1	124.7	
192	18.0	14.1	21.1	

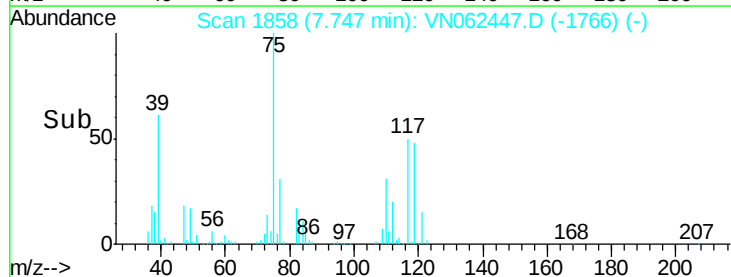
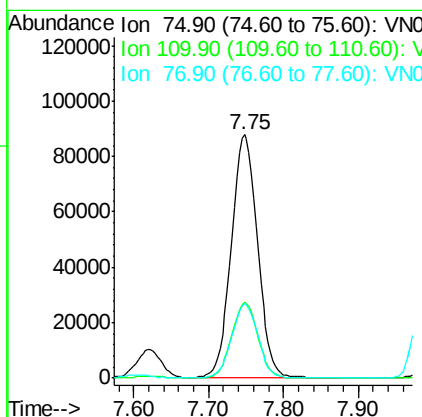
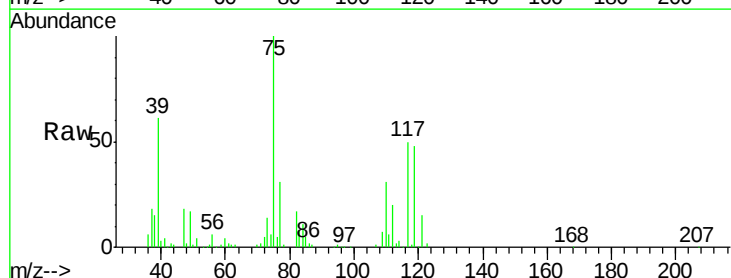
Manual Integrations
 APPROVED

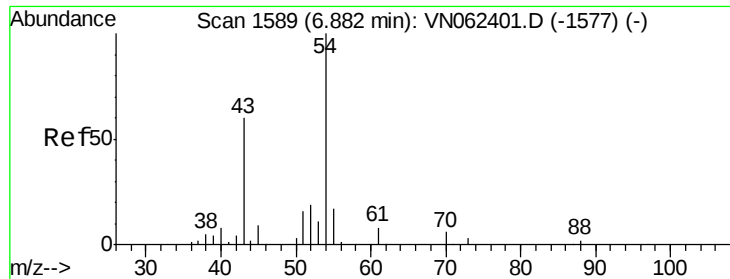
MMDadoda
 7/10/2020 9:23:36 AM



#36
 1,1-Dichloropropene
 Concen: 46.203 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	215189		
110	31.0	15.4	46.2	
77	30.5	24.1	36.1	





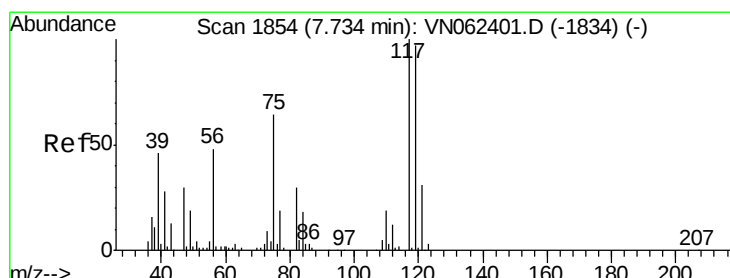
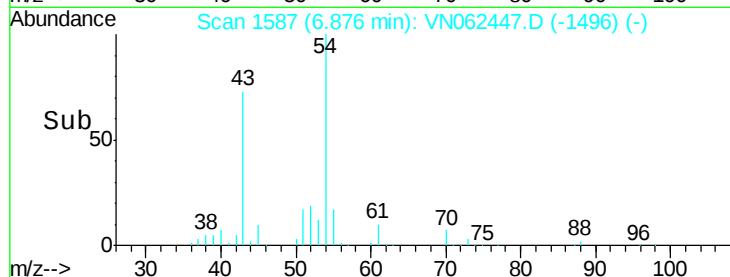
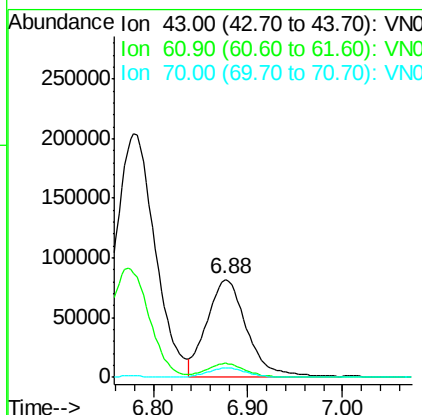
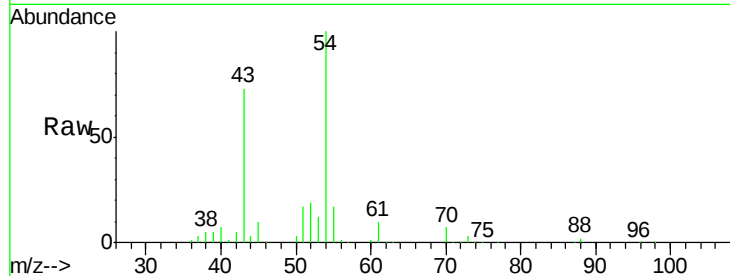
#37
Ethyl Acetate
Concen: 43.394 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.7	16.1
70	9.4	7.2	10.8

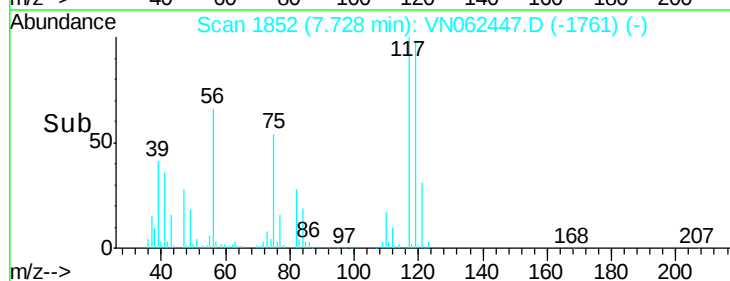
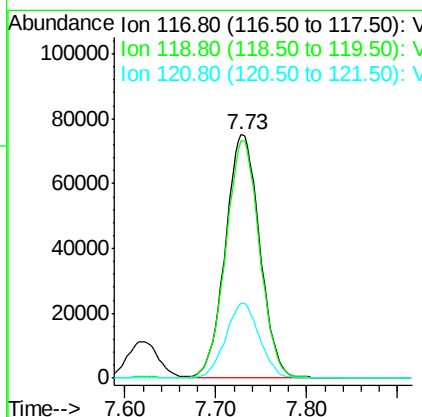
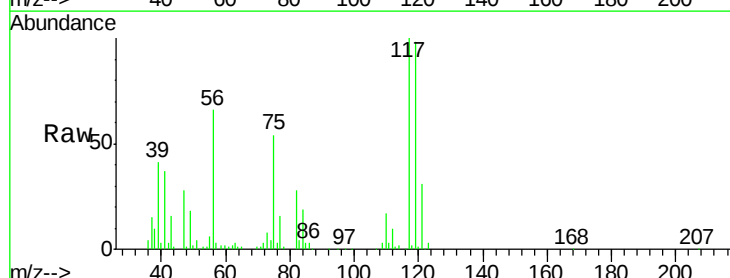
Manual Integrations
APPROVED

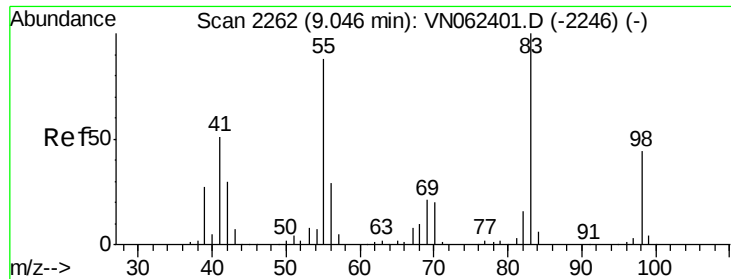
MMDadoda
7/10/2020 9:23:36 AM



#38
Carbon Tetrachloride
Concen: 47.026 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.2	115.8
121	30.6	24.8	37.2





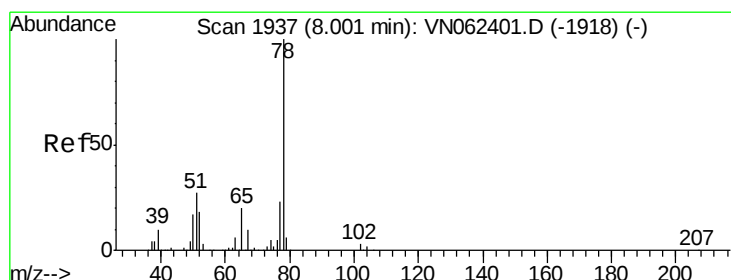
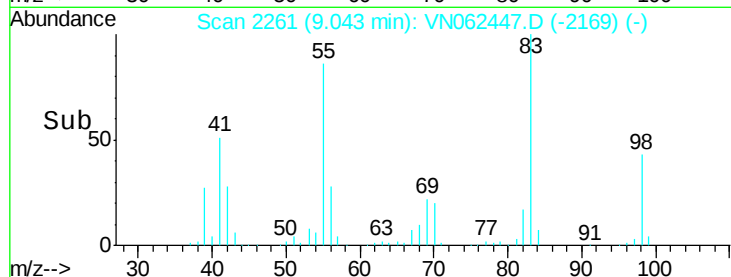
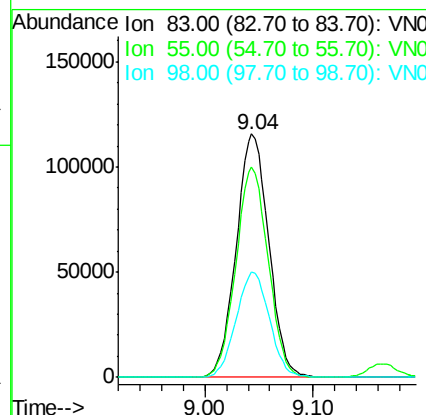
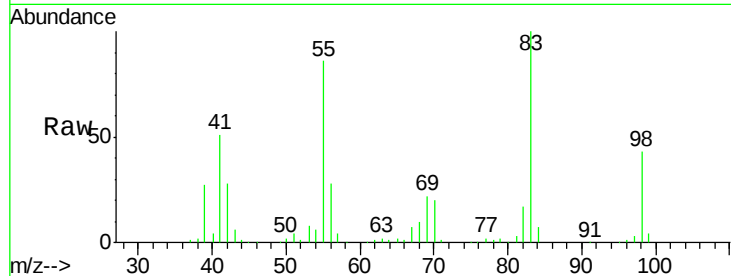
#39
Methvlcvclohexane
Concen: 49.032 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	243801
Ion Ratio	Lower	Upper	
83	100		
55	86.4	70.5	105.7
98	43.2	35.5	53.3

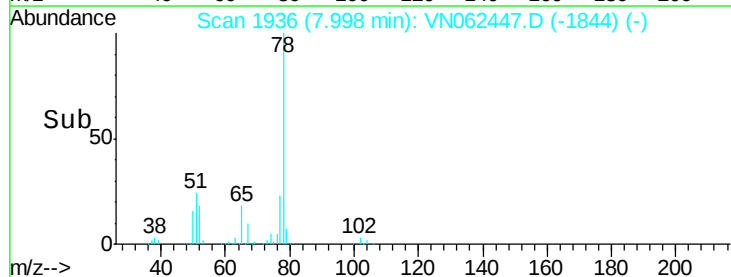
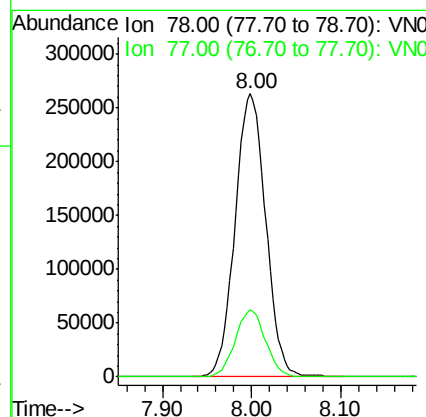
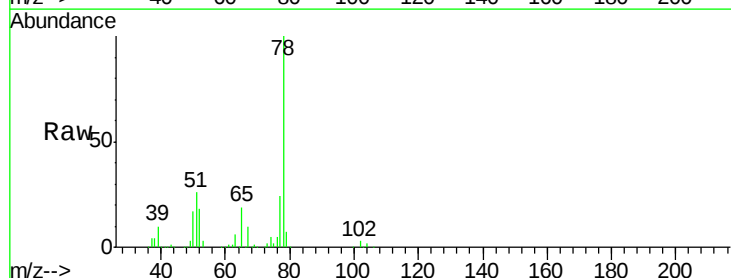
Manual Integrations
APPROVED

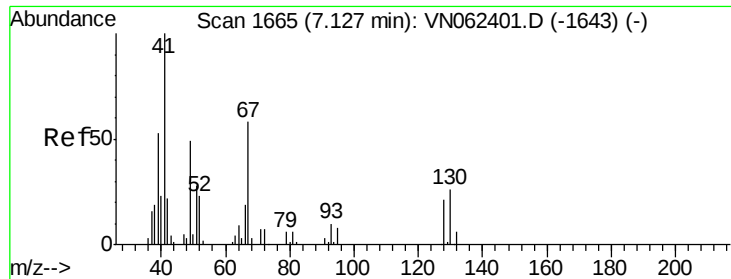
MMDadoda
7/10/2020 9:23:36 AM



#40
Benzene
Concen: 45.702 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Tgt Ion	78	Resp	627330
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.7	28.1





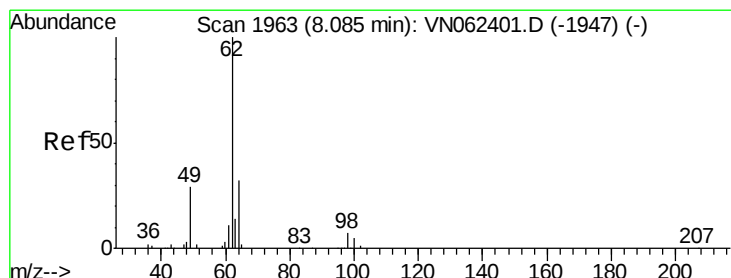
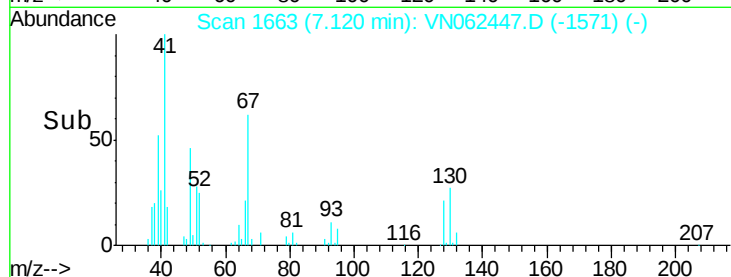
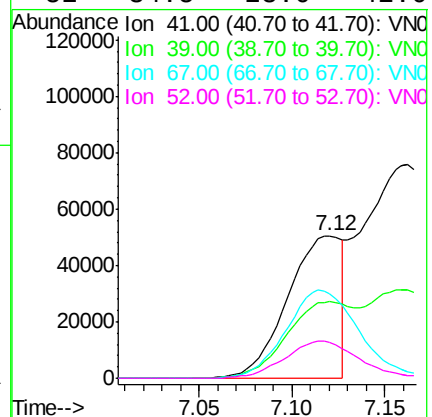
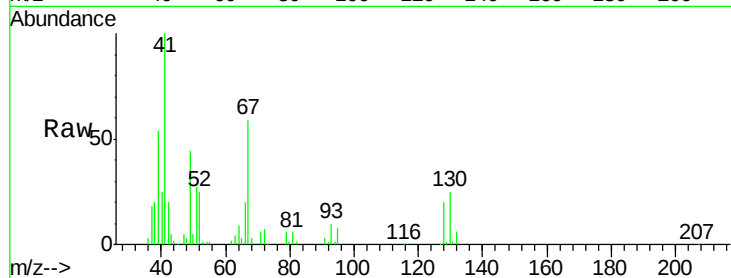
#41
Methacrylonitrile
Concen: 45.206 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.7	50.2	75.2
67	84.1	64.2	96.2
52	34.5	28.0	42.0

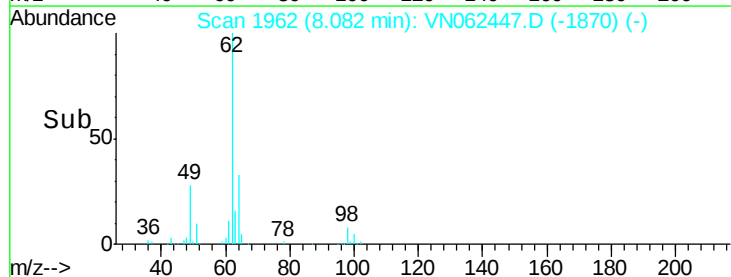
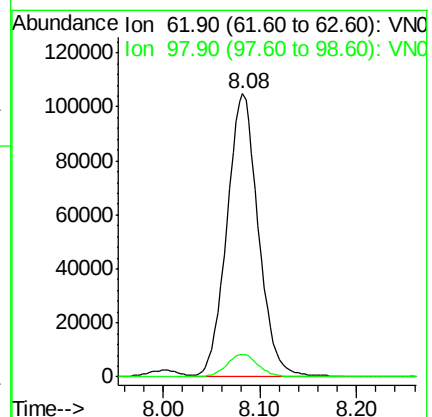
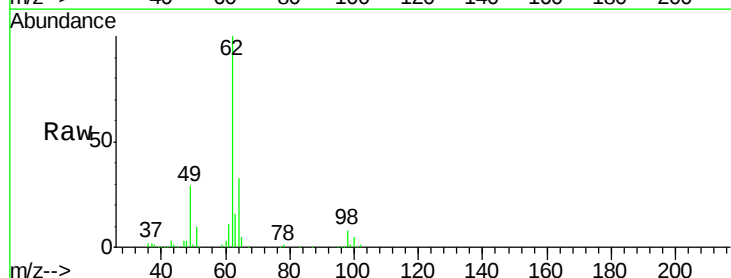
Manual Integrations
APPROVED

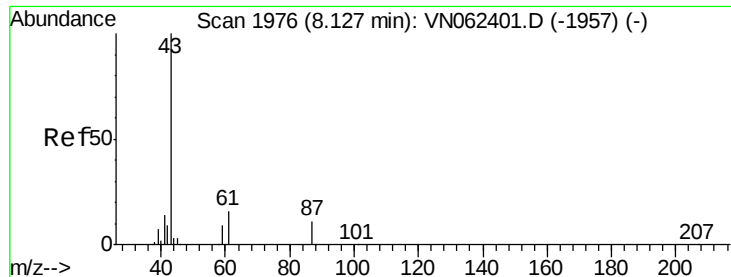
MMDadoda
7/10/2020 9:23:36 AM



#42
1,2-Dichloroethane
Concen: 46.903 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.8





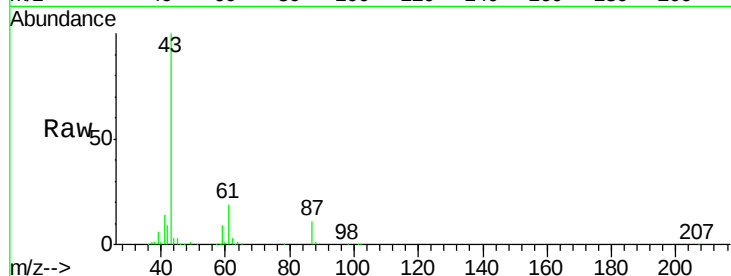
#43
Isopropyl Acetate
Concen: 46.013 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.0	19.3	28.9
87	11.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/10/2020 9:23:36 AM

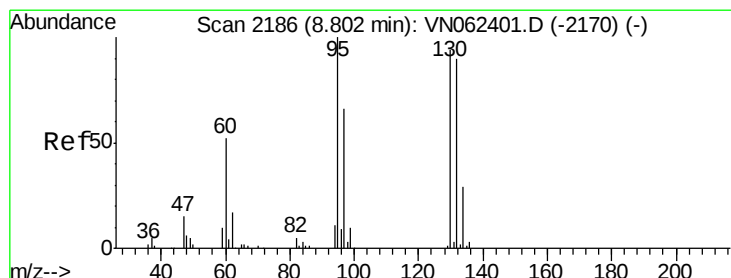
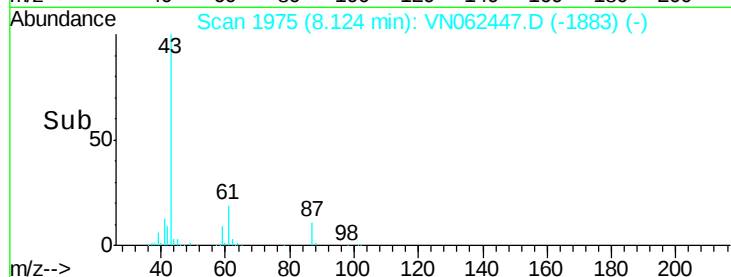
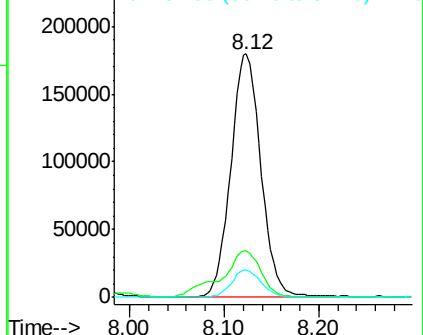


Abundance

Ion 43.00 (42.70 to 43.70): VN062447.D (-1957) (-)

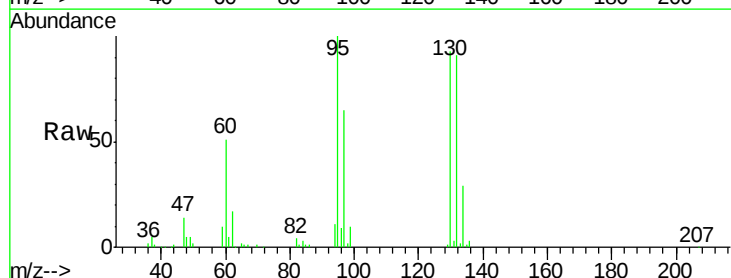
Ion 61.00 (60.70 to 61.70): VN062447.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN062447.D (-1957) (-)



#44
Trichloroethene
Concen: 47.935 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

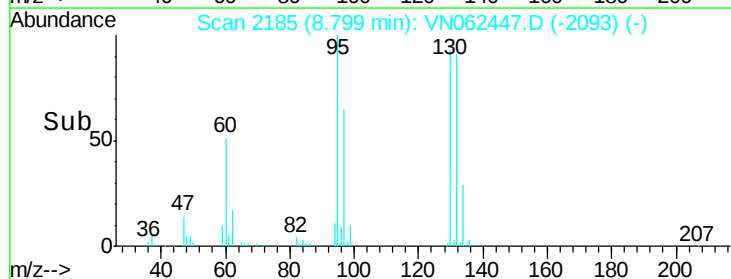
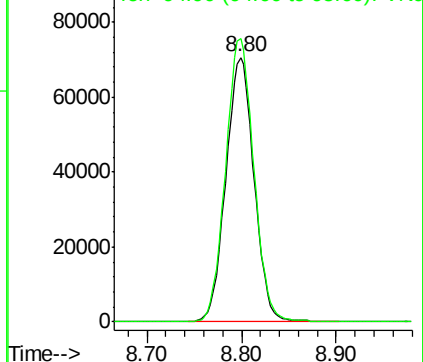
Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.1	0.0	213.8

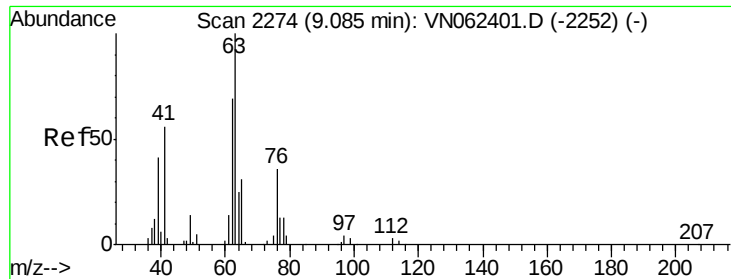


Abundance

Ion 129.80 (129.50 to 130.50): VN062447.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062447.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 45.777 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 182408

Ion Ratio Lower Upper

63 100

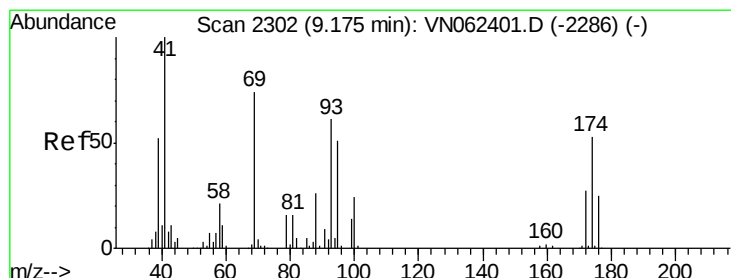
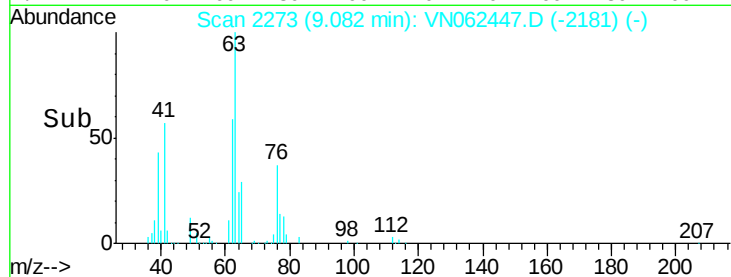
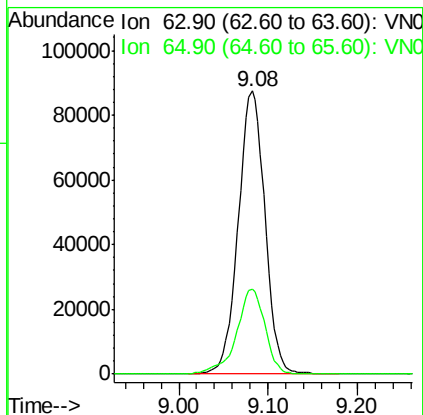
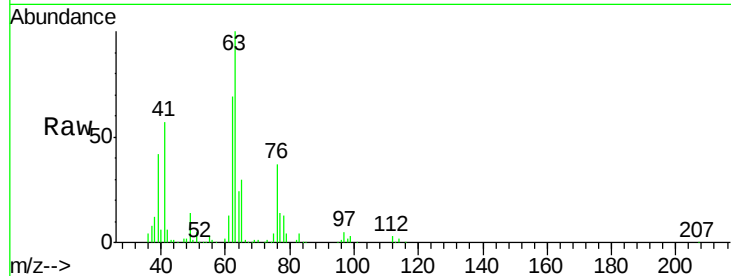
65 30.2 24.6 36.8

Manual Integrations

APPROVED

MMDadoda

7/10/2020 9:23:36 AM



#46

Dibromomethane

Concen: 46.908 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

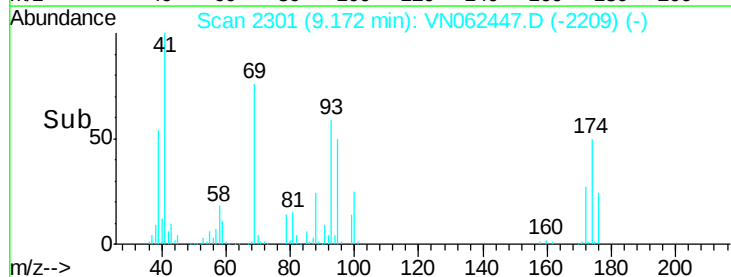
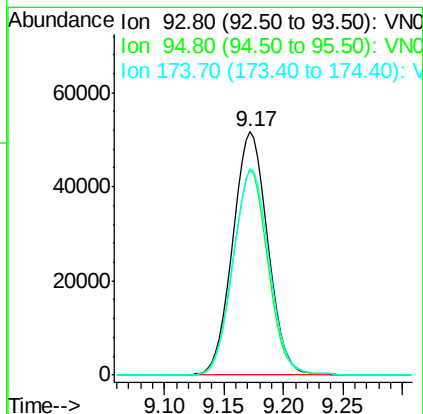
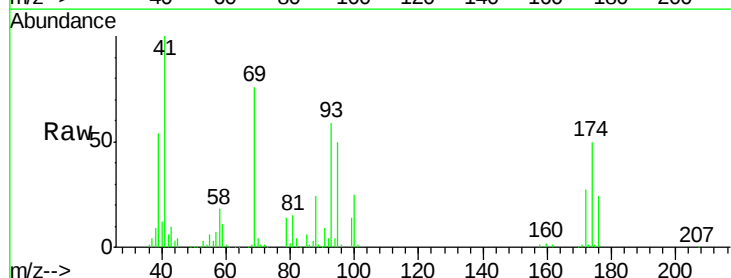
Tgt Ion: 93 Resp: 105482

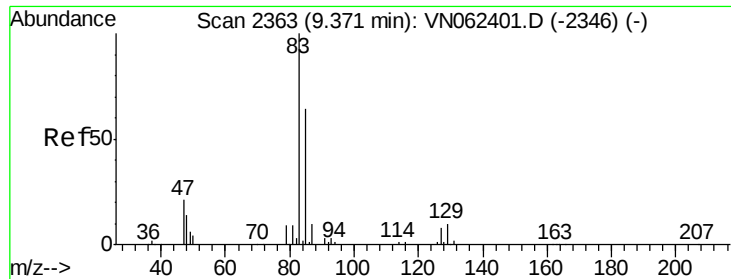
Ion Ratio Lower Upper

93 100

95 84.6 67.1 100.7

174 86.6 70.4 105.6





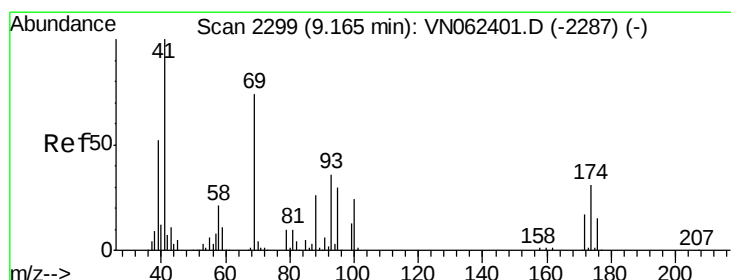
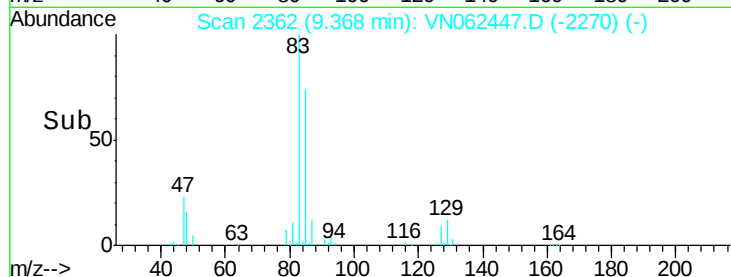
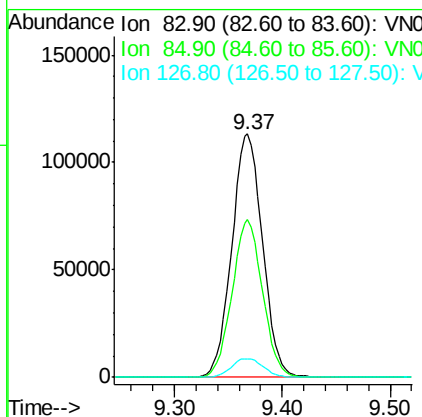
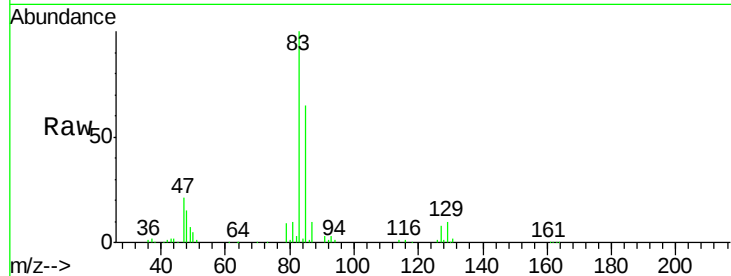
#47
Bromodichloromethane
Concen: 46.855 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	225260
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	51.2	76.8
127	7.8	6.2	9.2

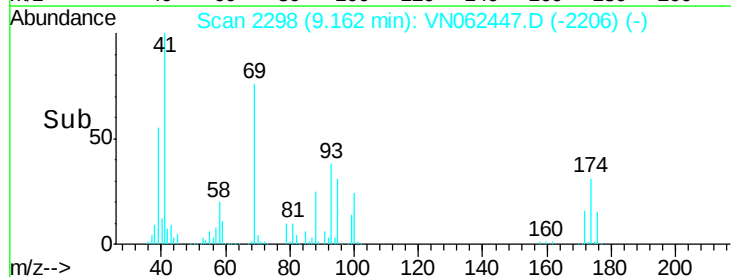
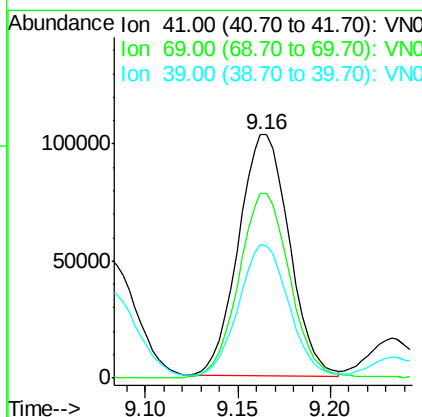
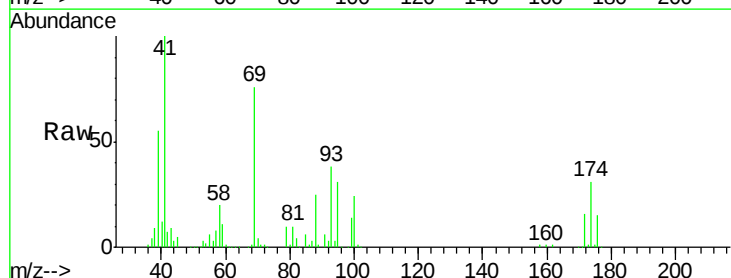
Manual Integrations
APPROVED

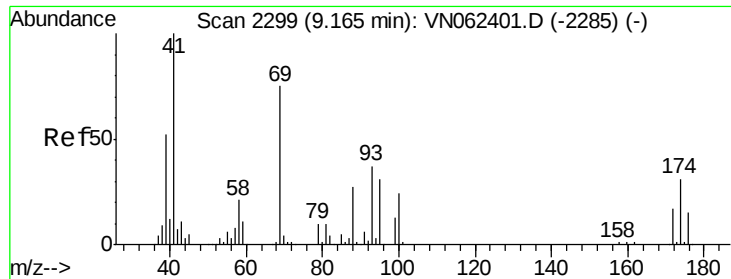
MMDadoda
7/10/2020 9:23:36 AM



#48
Methyl methacrylate
Concen: 46.184 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Tgt Ion	41	Resp	194903
Ion Ratio	100	Lower	Upper
41	100		
69	77.8	60.8	91.2
39	55.1	43.5	65.3





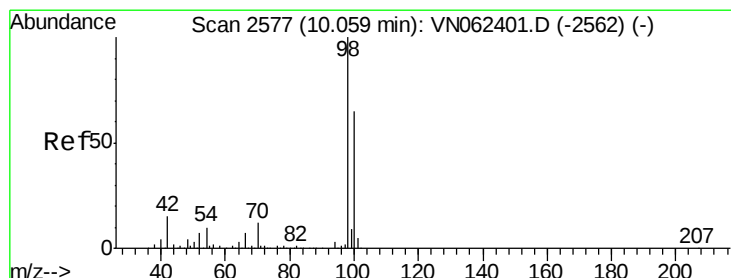
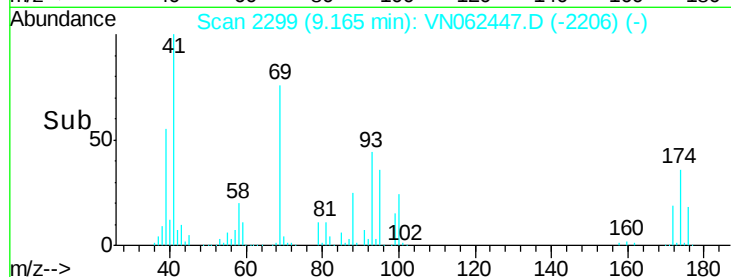
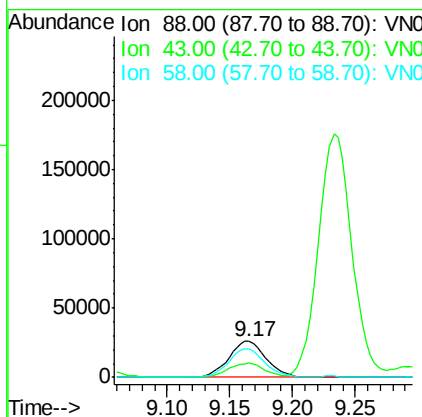
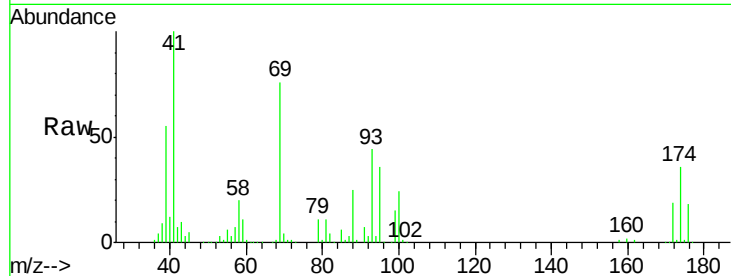
#49
1,4-Dioxane
Concen: 879.261 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	31.0	46.4
58	76.8	63.3	94.9

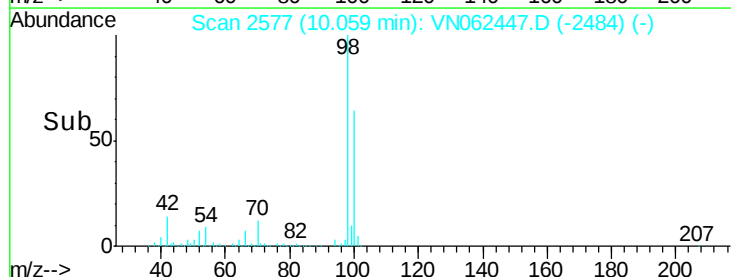
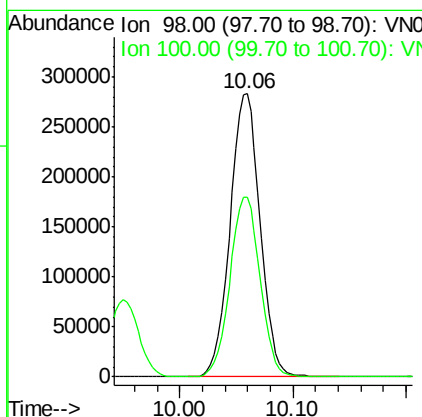
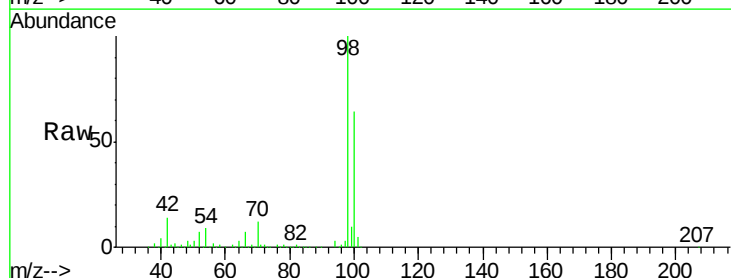
Manual Integrations
APPROVED

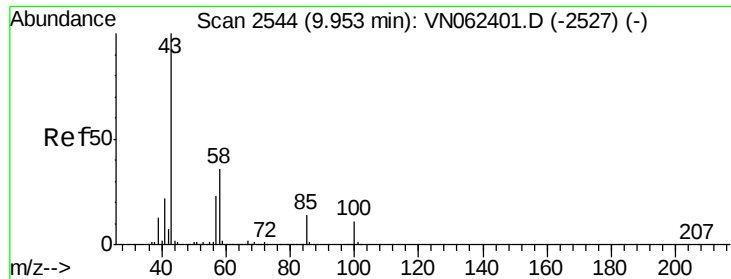
MMDadoda
7/10/2020 9:23:36 AM



#50
Toluene-d8
Concen: 46.373 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.5	77.3





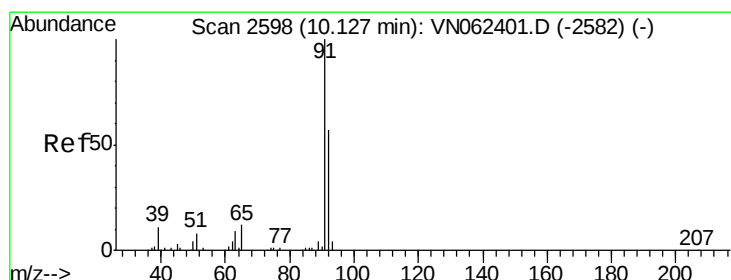
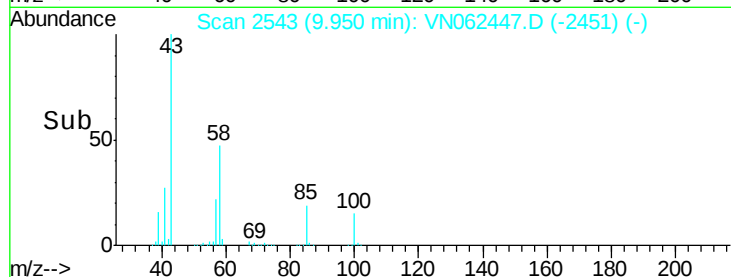
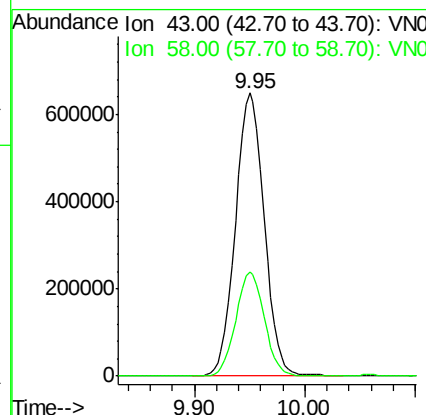
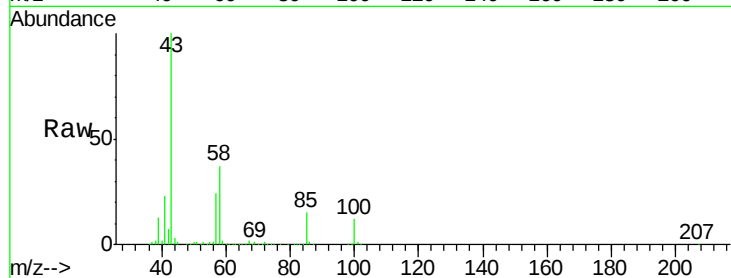
#51
4-Methyl-2-Pentanone
Concen: 228.380 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1173531
Ion Ratio Lower Upper
43 100
58 36.6 29.0 43.6

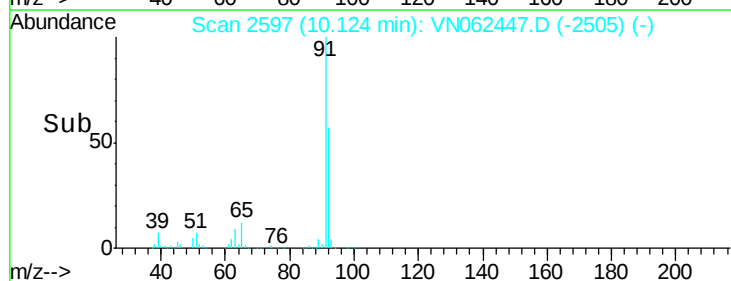
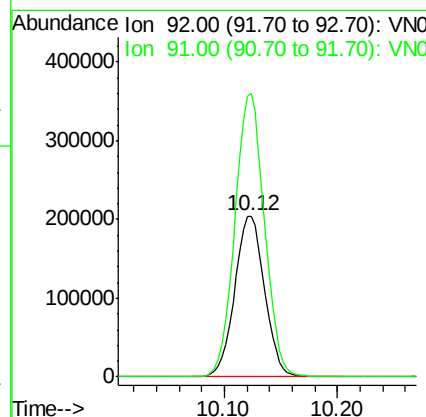
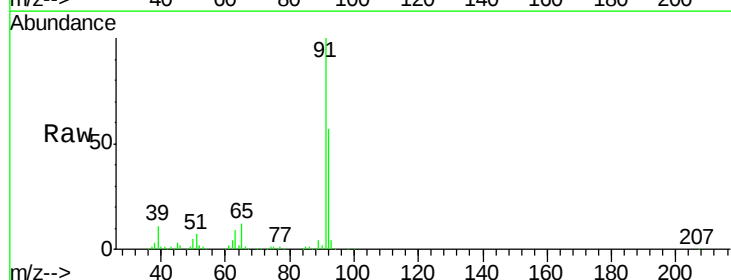
Manual Integrations
APPROVED

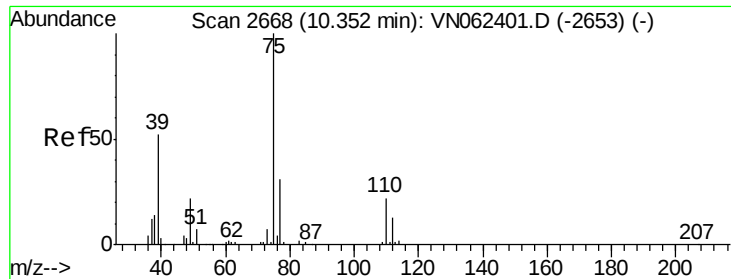
MMDadoda
7/10/2020 9:23:36 AM



#52
Toluene
Concen: 47.262 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Tgt Ion: 92 Resp: 374722
Ion Ratio Lower Upper
92 100
91 174.6 141.0 211.6





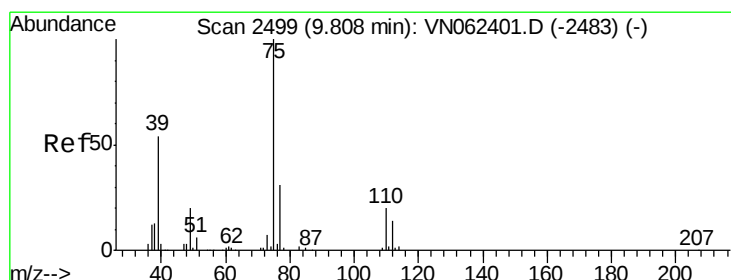
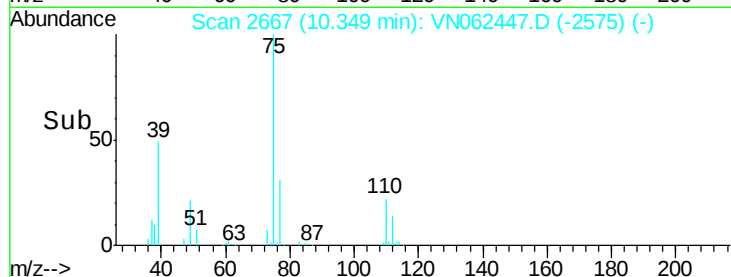
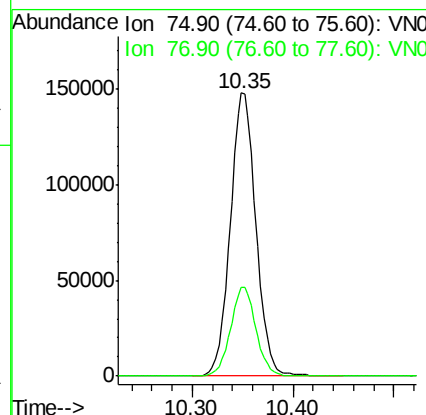
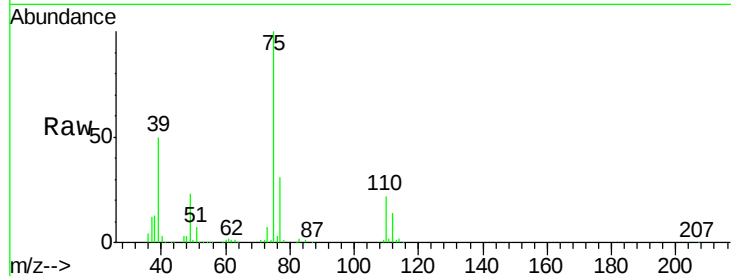
#53
t-1,3-Dichloropropene
Concen: 48.681 ug/l
RT: 10.35 min Scan# 2667
Delta R.T. -0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 262203
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8

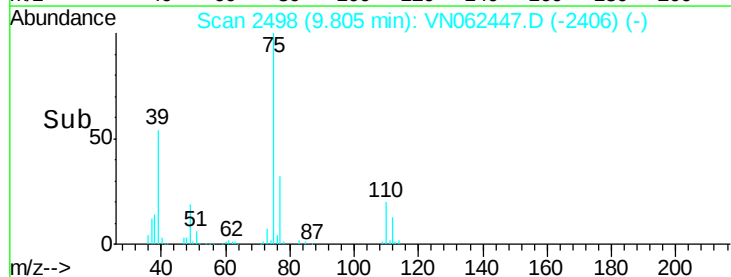
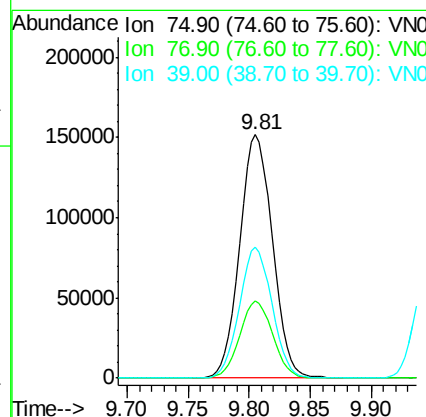
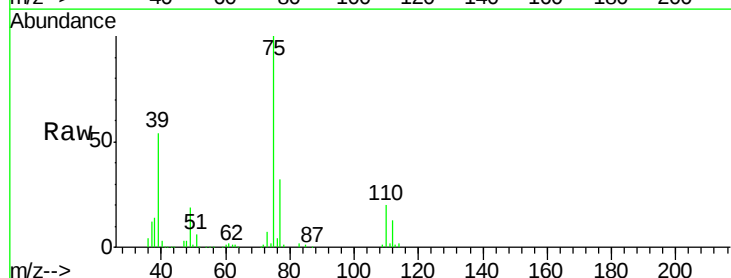
Manual Integrations
APPROVED

MMDadoda
7/10/2020 9:23:36 AM



#54
cis-1,3-Dichloropropene
Concen: 47.528 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Tgt Ion: 75 Resp: 282450
Ion Ratio Lower Upper
75 100
77 31.7 24.5 36.7
39 53.9 43.4 65.0





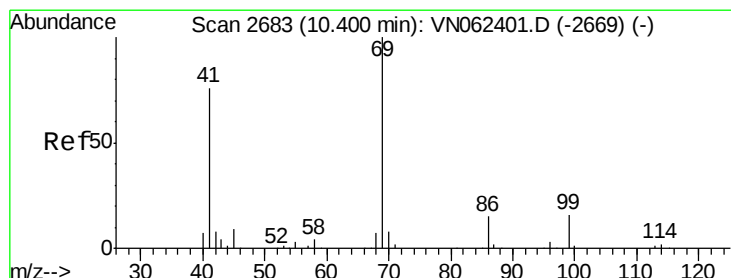
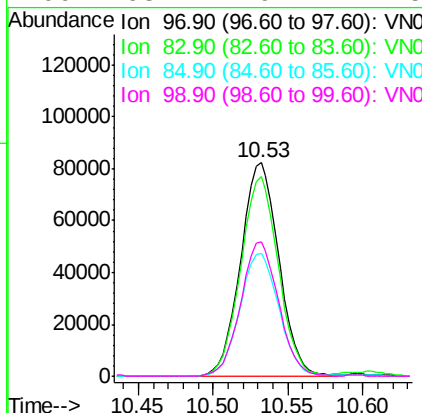
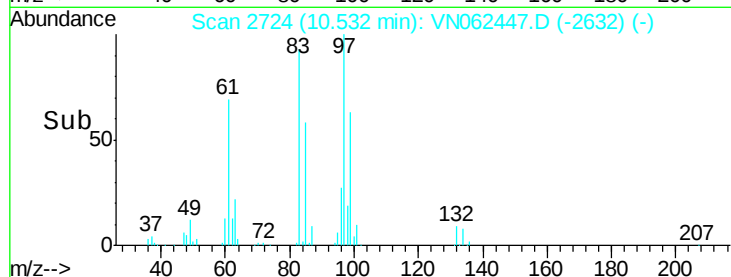
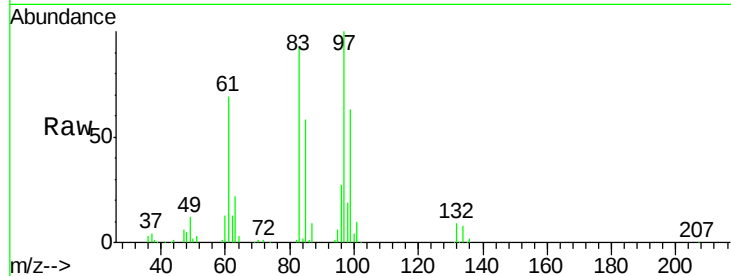
#55
 1,1,2-Trichloroethane
 Concen: 47.036 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	146675
Ion	Ratio	Lower	Upper
97	100		
83	93.5	71.0	106.4
85	57.6	46.2	69.4
99	63.1	49.7	74.5

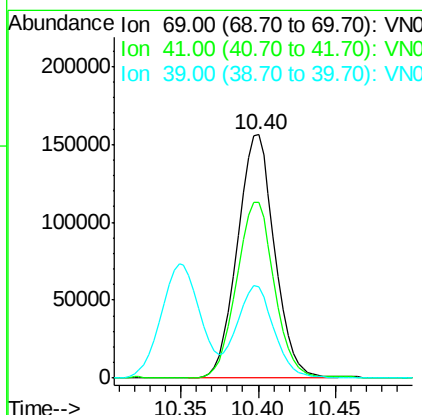
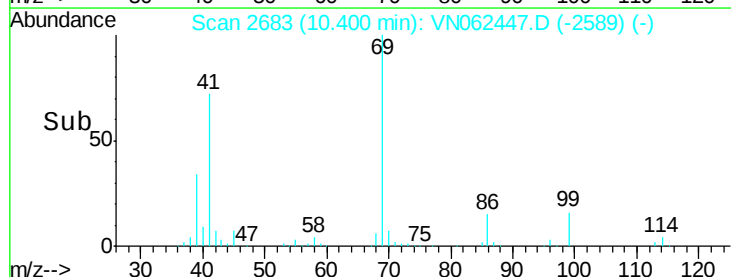
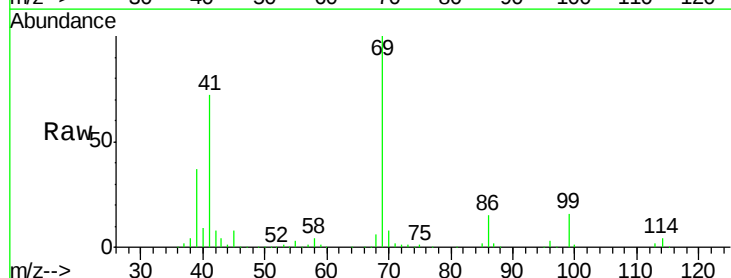
Manual Integrations
 APPROVED

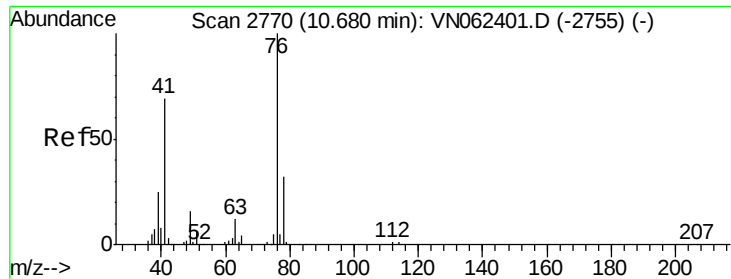
MMDadoda
 7/10/2020 9:23:36 AM



#56
 Ethyl methacrylate
 Concen: 45.678 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Tgt Ion:	69	Resp:	261263
Ion	Ratio	Lower	Upper
69	100		
41	72.7	59.7	89.5
39	37.8	30.6	45.8





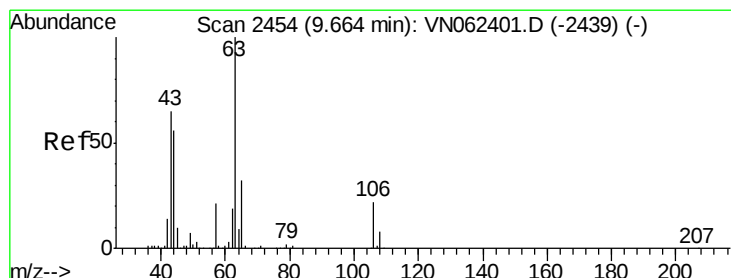
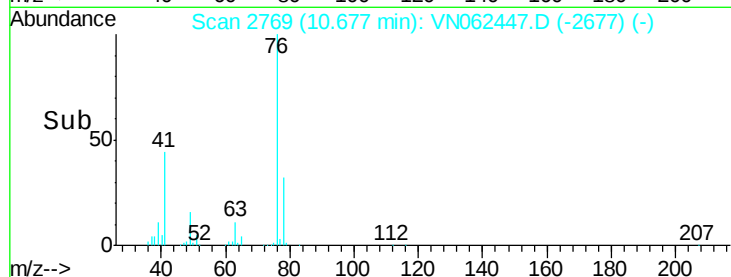
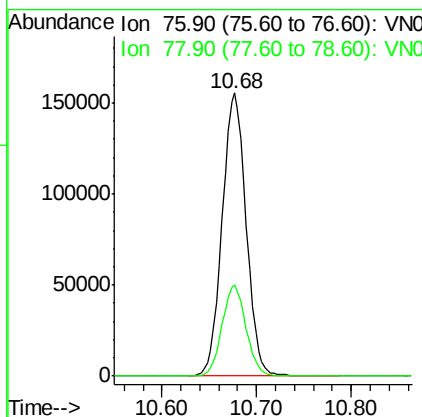
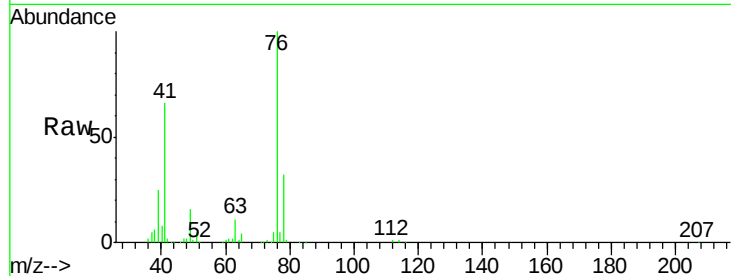
#57
 1,3-Dichloropropane
 Concen: 47.607 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 274270
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4

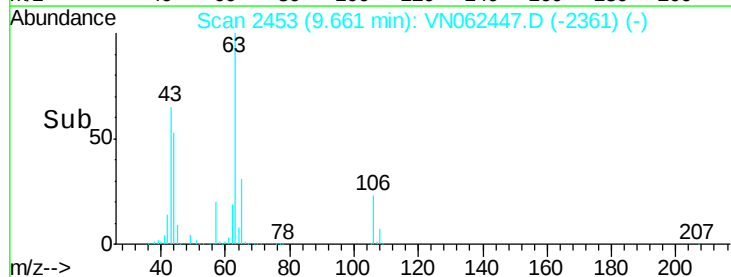
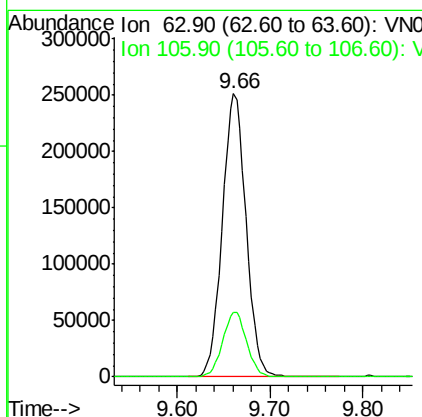
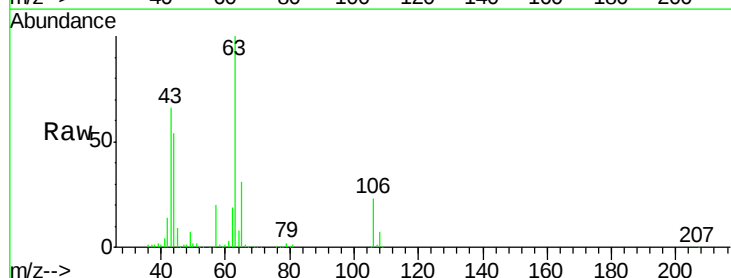
Manual Integrations
 APPROVED

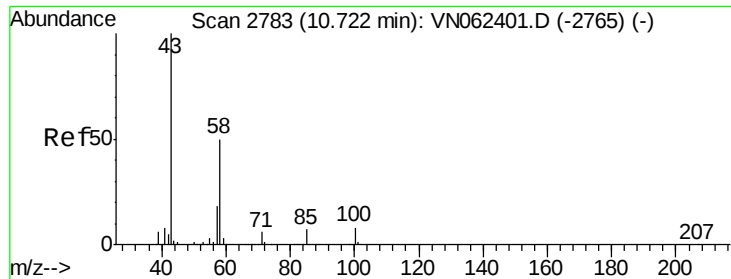
MMDadoda
 7/10/2020 9:23:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.200 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Tgt Ion: 63 Resp: 446220
 Ion Ratio Lower Upper
 63 100
 106 23.0 17.6 26.4





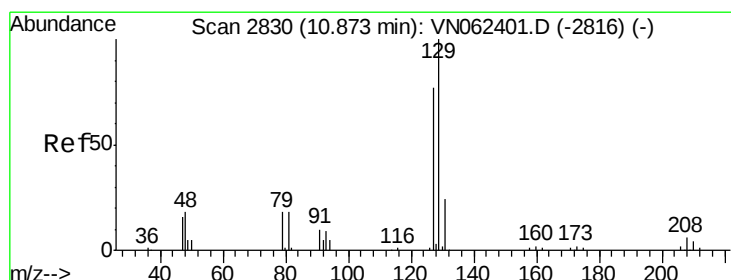
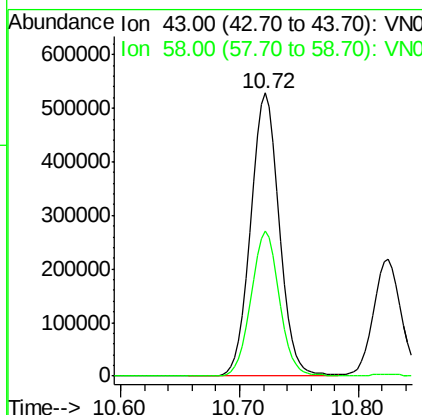
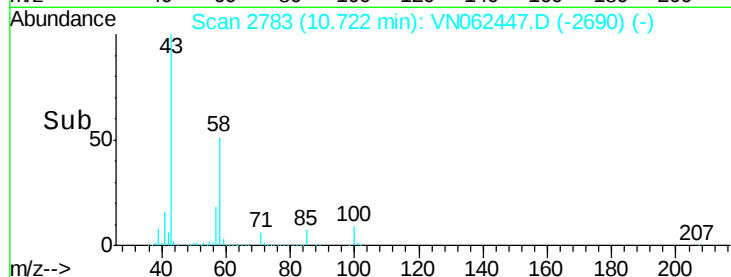
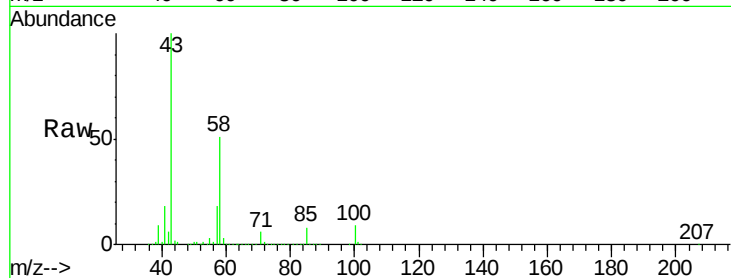
#59
2-Hexanone
Concen: 235.203 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 877399
Ion Ratio Lower Upper
43 100
58 51.1 25.1 75.2

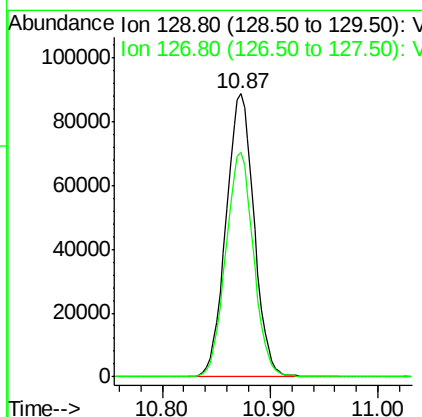
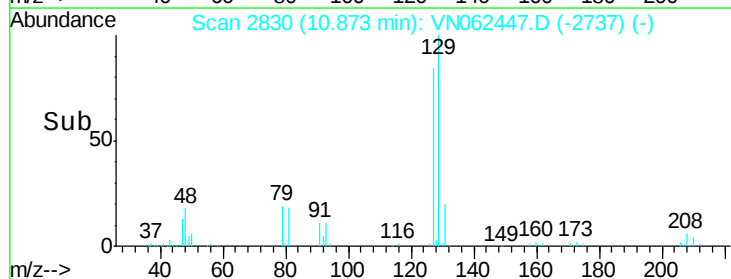
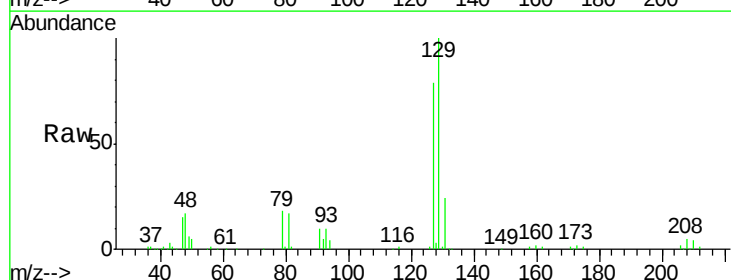
Manual Integrations
APPROVED

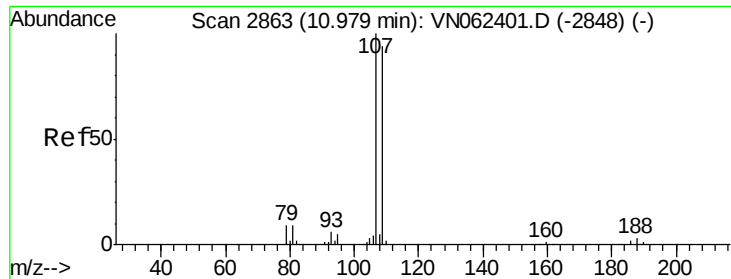
MMDadoda
7/10/2020 9:23:36 AM



#60
Dibromochloromethane
Concen: 47.653 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Tgt Ion: 129 Resp: 161123
Ion Ratio Lower Upper
129 100
127 78.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 48.251 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 151887

Ion Ratio Lower Upper

107 100

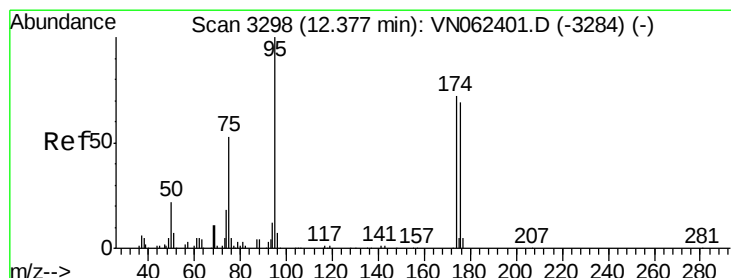
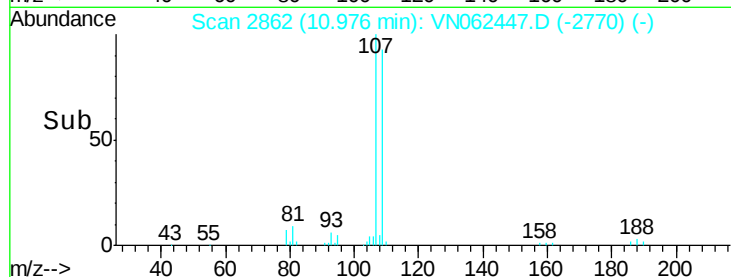
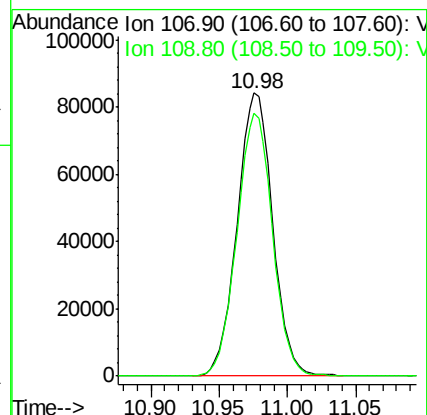
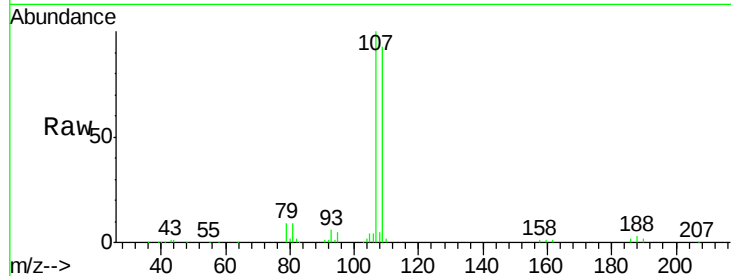
109 93.2 75.6 113.4

Manual Integrations

APPROVED

MMDadoda

7/10/2020 9:23:36 AM



#62

4-Bromofluorobenzene

Concen: 47.708 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

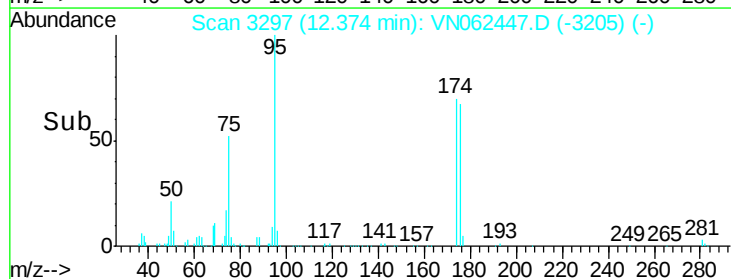
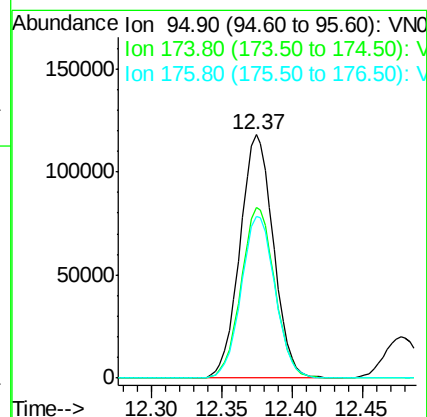
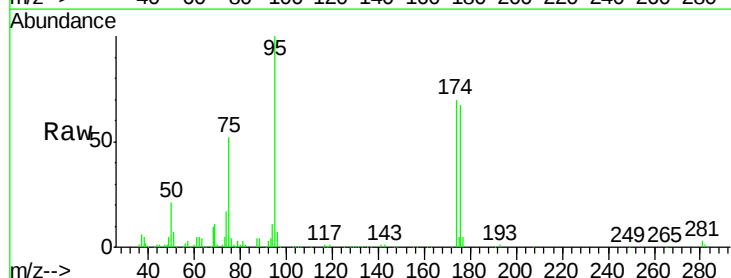
Tgt Ion: 95 Resp: 196669

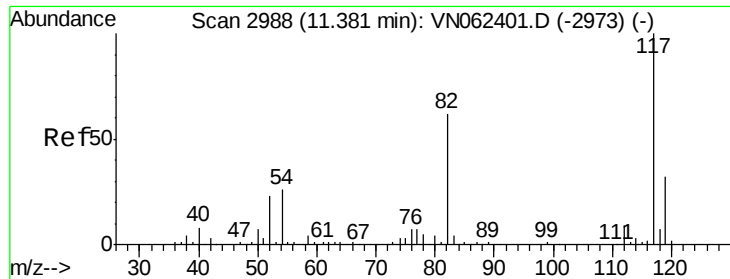
Ion Ratio Lower Upper

95 100

174 70.3 0.0 141.6

176 67.3 0.0 137.2





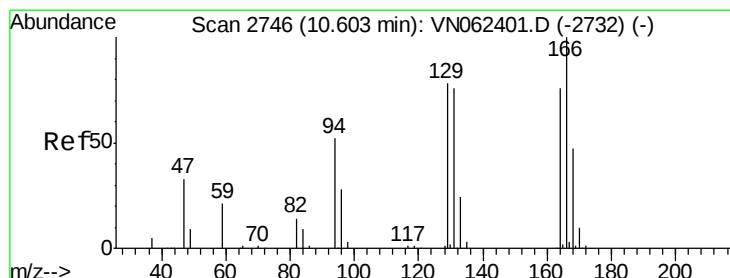
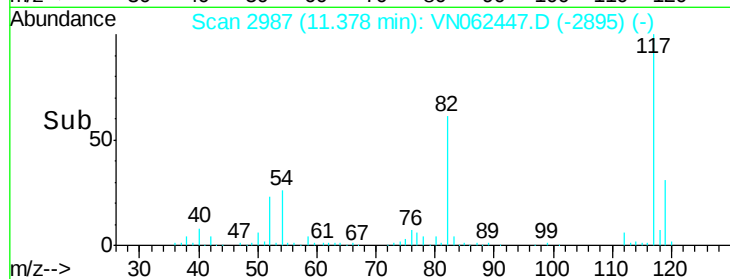
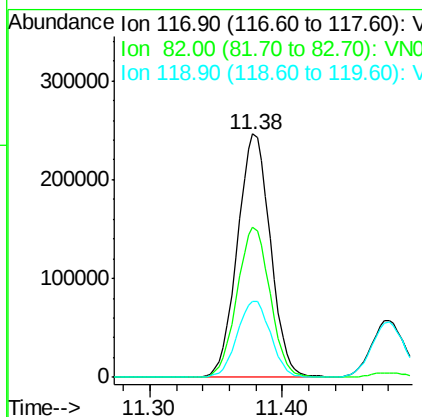
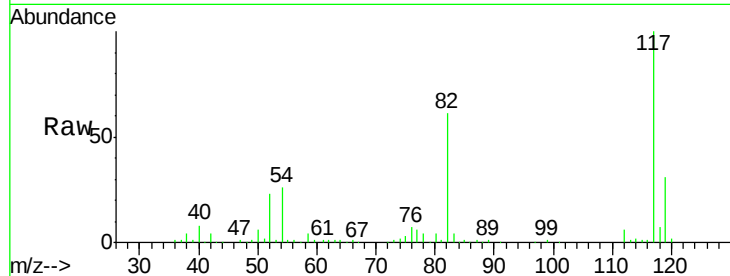
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.6	74.4
119	31.4	25.4	38.0

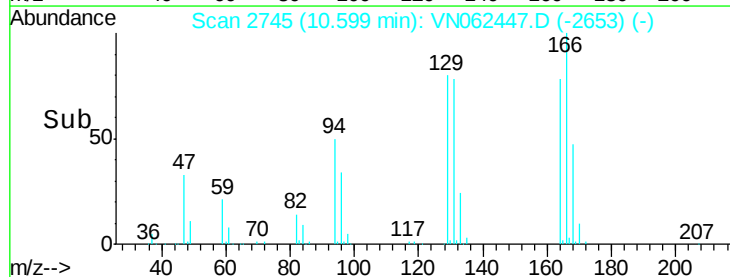
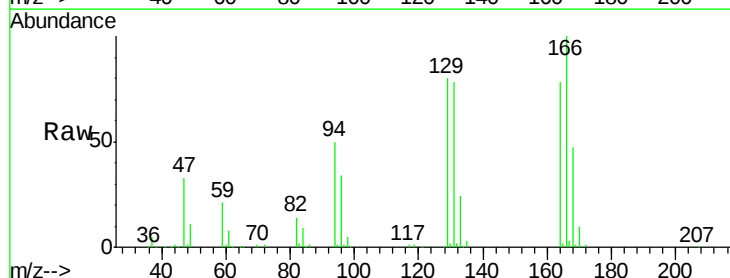
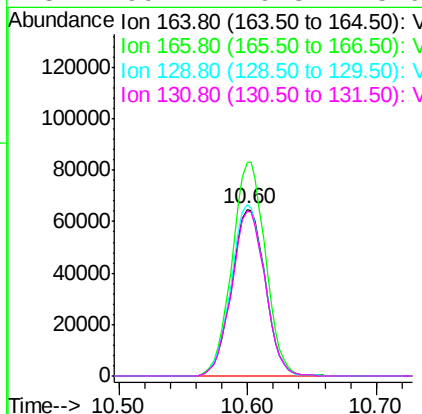
Manual Integrations
APPROVED

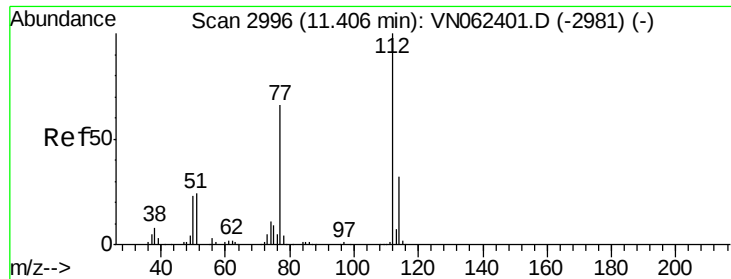
MMDadoda
7/10/2020 9:23:36 AM



#64
Tetrachloroethene
Concen: 46.635 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	104.9	157.3
129	102.9	81.8	122.6
131	99.4	79.3	118.9





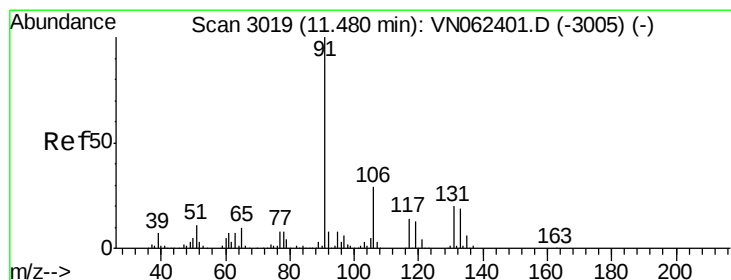
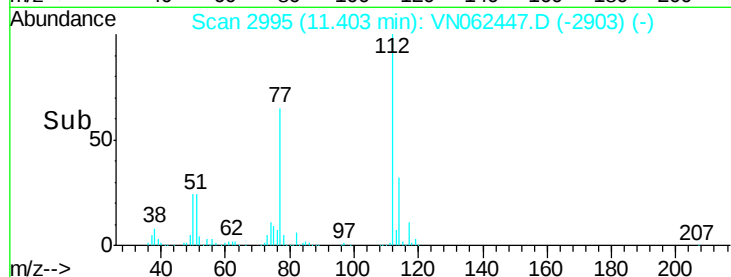
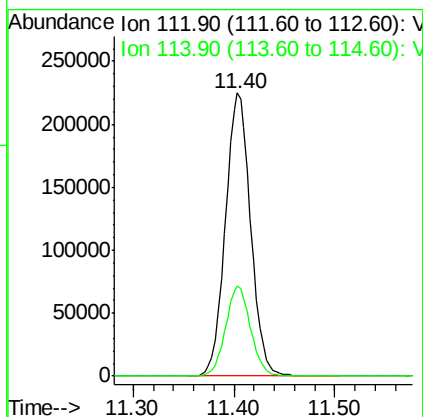
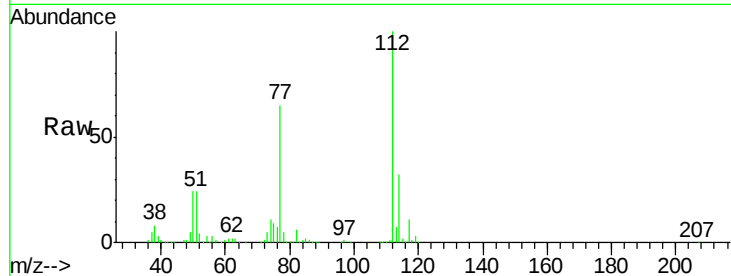
#65
Chlorobenzene
Concen: 47.334 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 391757
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9

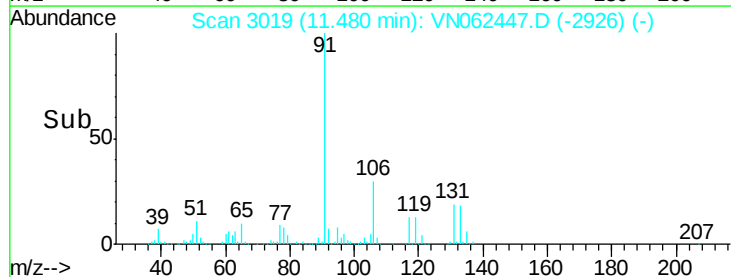
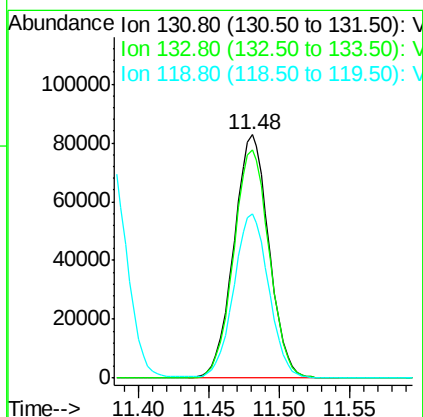
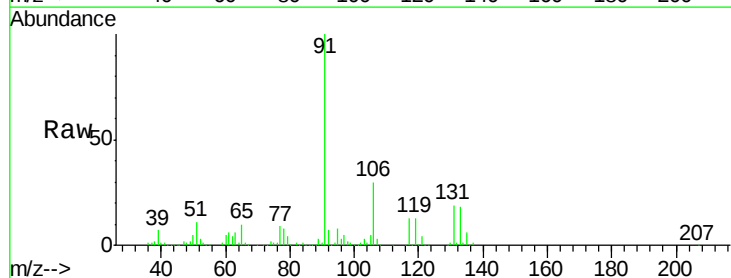
Manual Integrations
APPROVED

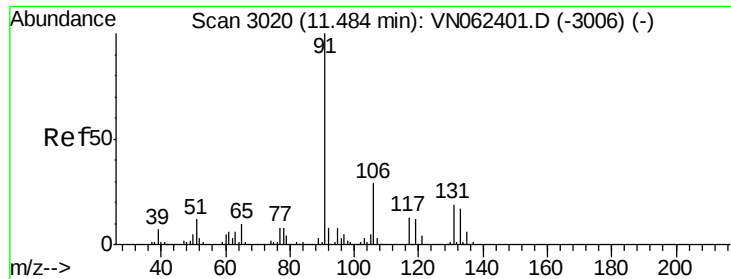
MMDadoda
7/10/2020 9:23:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.351 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Tgt Ion:131 Resp: 144518
Ion Ratio Lower Upper
131 100
133 95.0 46.9 140.8
119 67.4 33.2 99.6





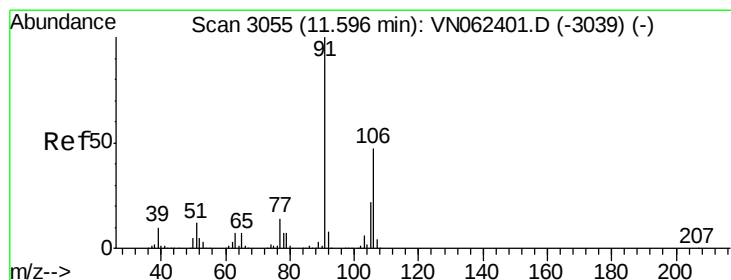
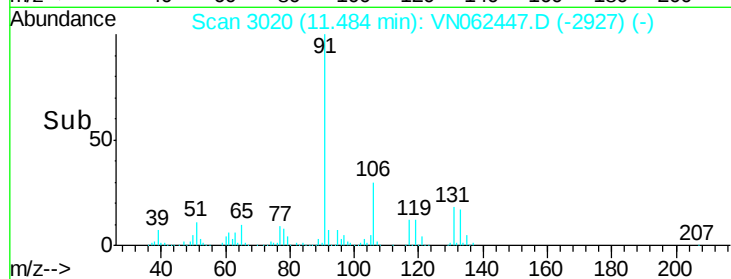
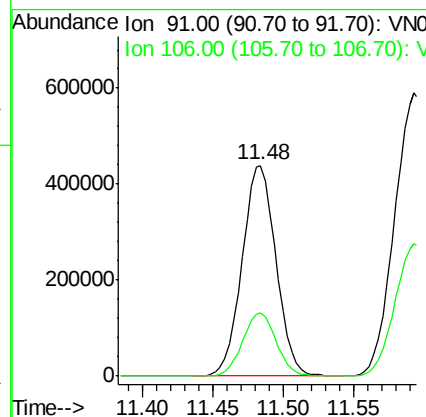
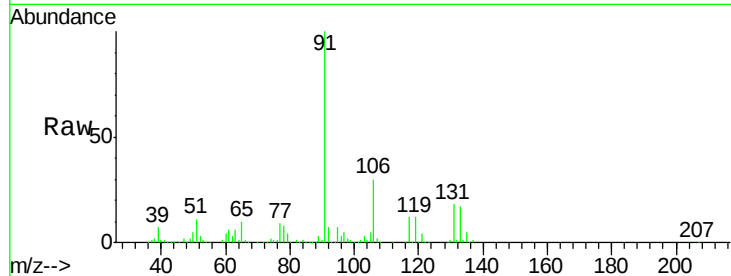
#67
Ethyl Benzene
Concen: 47.643 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 740157
Ion Ratio Lower Upper
91 100
106 30.3 23.4 35.2

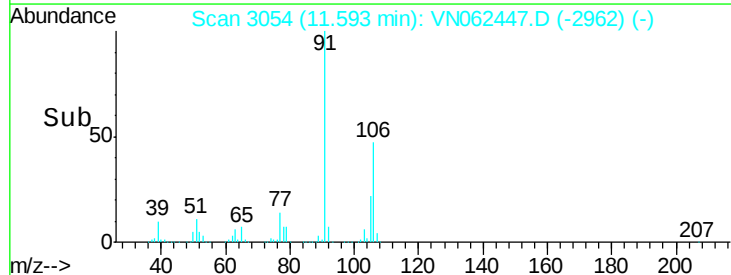
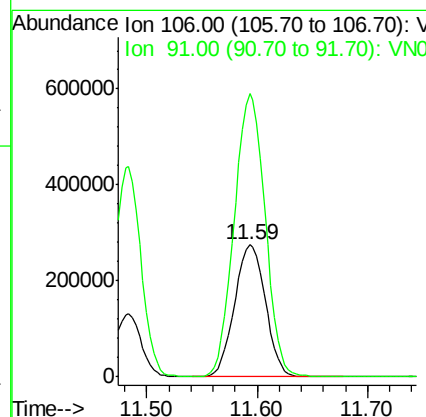
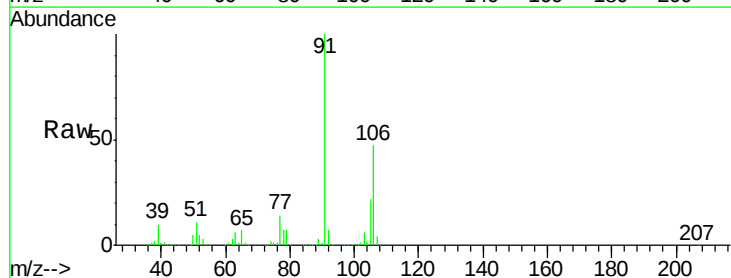
Manual Integrations
APPROVED

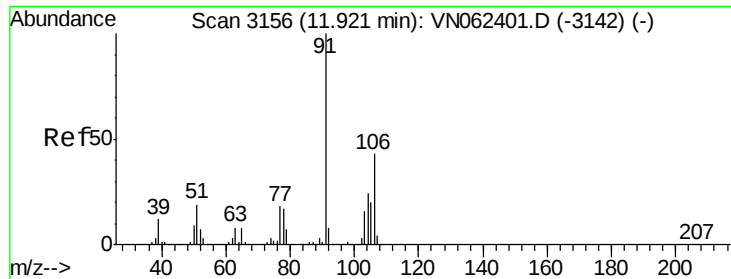
MMDadoda
7/10/2020 9:23:36 AM



#68
m/p-Xylenes
Concen: 97.300 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Tgt Ion: 106 Resp: 535119
Ion Ratio Lower Upper
106 100
91 214.2 172.4 258.6





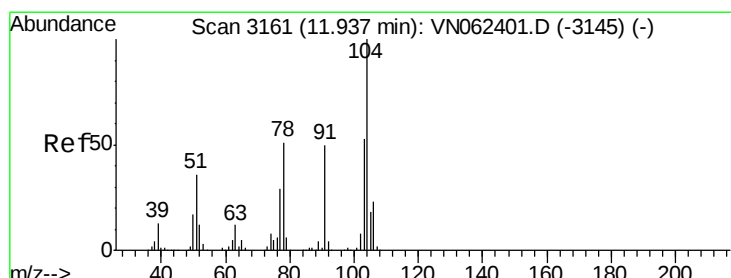
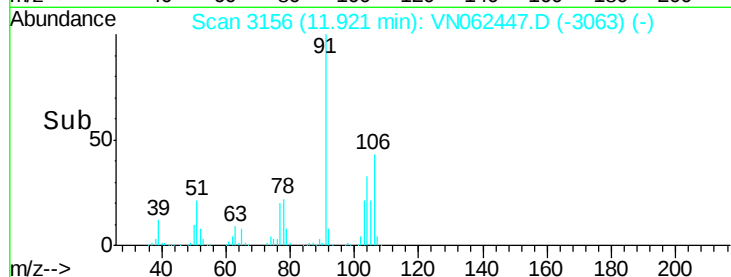
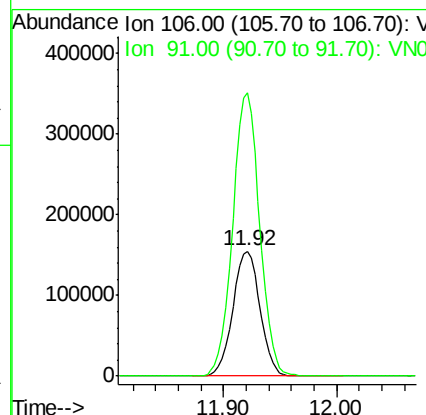
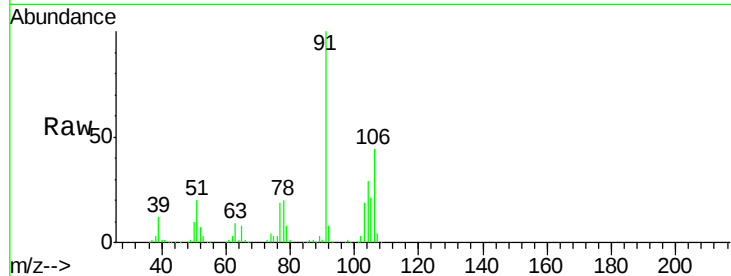
#69
o-Xylene
Concen: 48.293 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.0	113.8	341.4

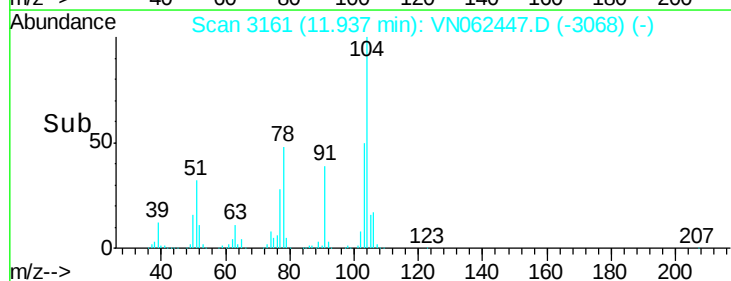
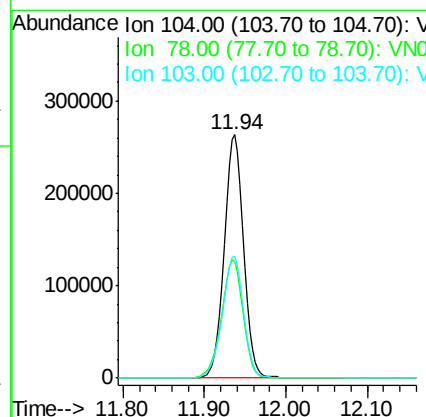
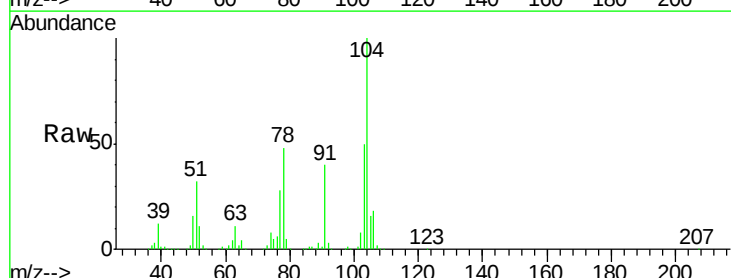
Manual Integrations
APPROVED

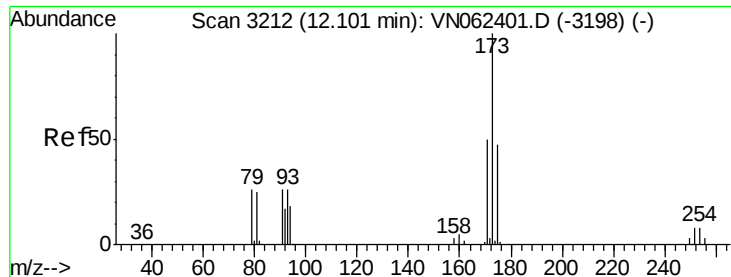
MMDadoda
7/10/2020 9:23:36 AM



#70
Styrene
Concen: 50.237 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.0	44.2	66.4
103	55.1	44.4	66.6





#71

Bromoform

Concen: 49.127 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 109915

Ion Ratio Lower Upper

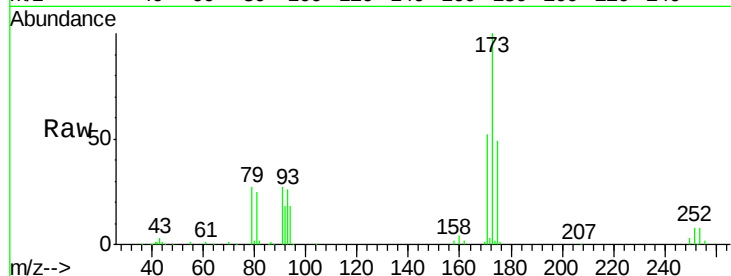
173 100

175 48.5 23.7 71.1

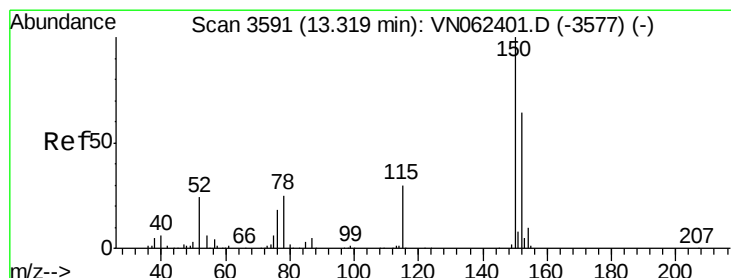
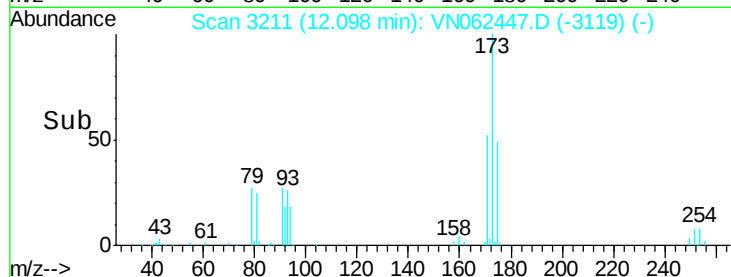
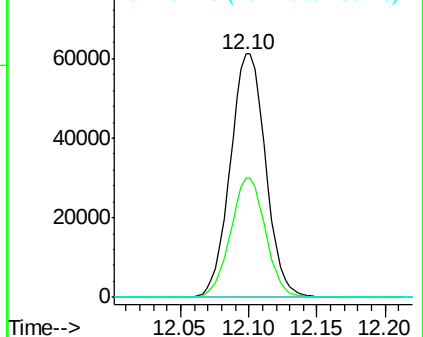
254 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda
7/10/2020 9:23:36 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

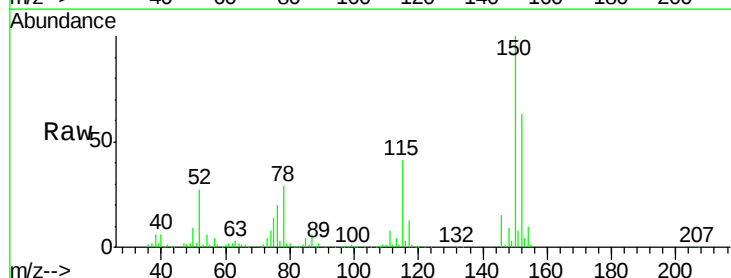
Tgt Ion:152 Resp: 194591

Ion Ratio Lower Upper

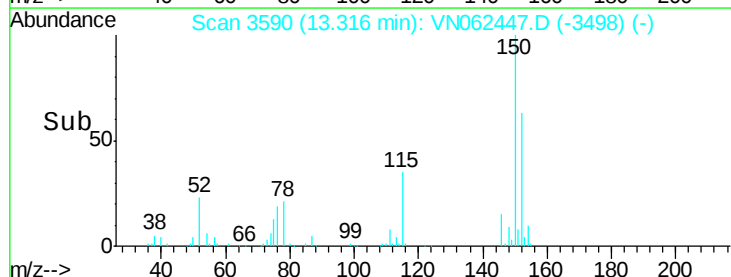
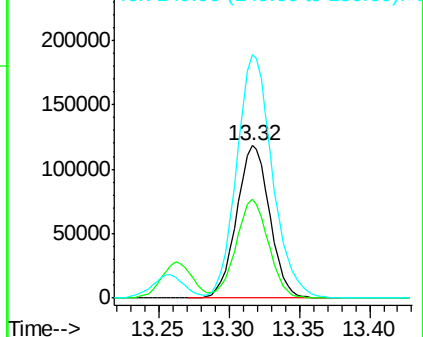
152 100

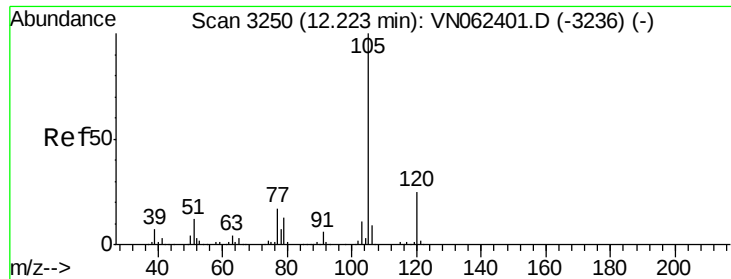
115 63.7 31.4 94.2

150 172.4 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.324 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 697544

Ion Ratio Lower Upper

105 100

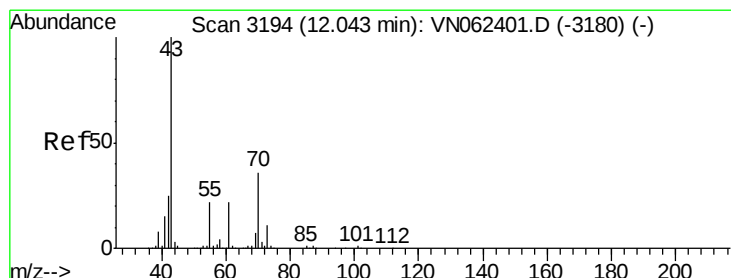
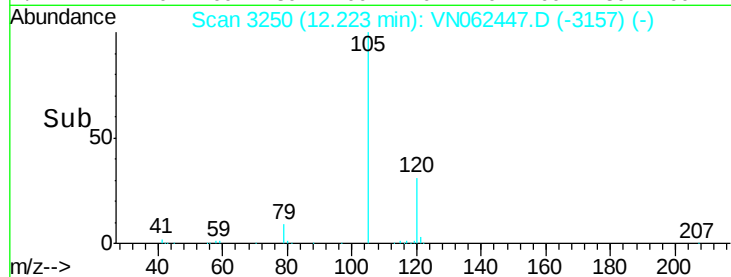
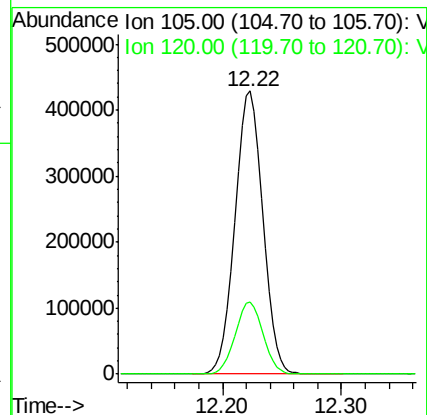
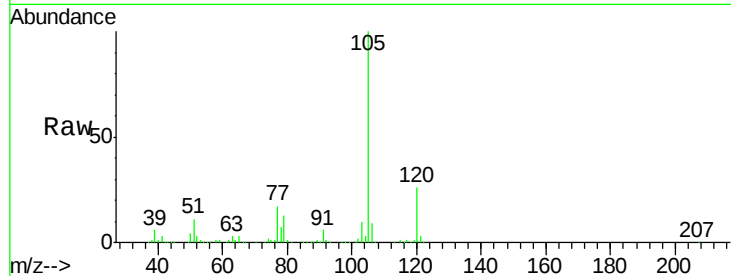
120 25.4 12.7 38.1

Manual Integrations

APPROVED

MMDadoda

7/10/2020 9:23:36 AM



#74

N-ethyl acetate

Concen: 49.234 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Tgt Ion: 43 Resp: 360837

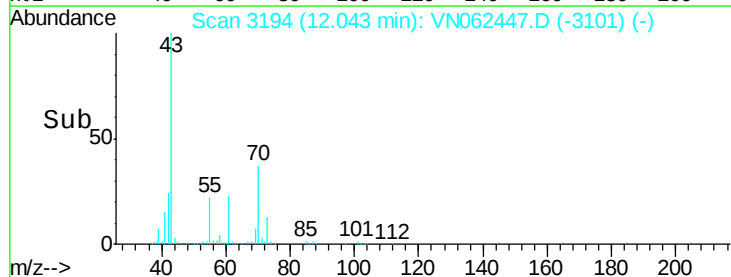
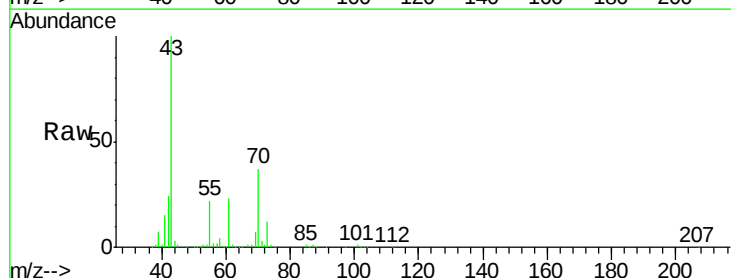
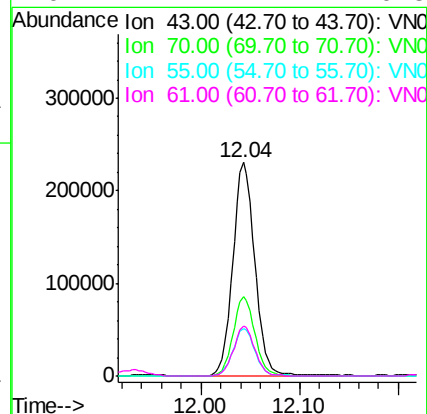
Ion Ratio Lower Upper

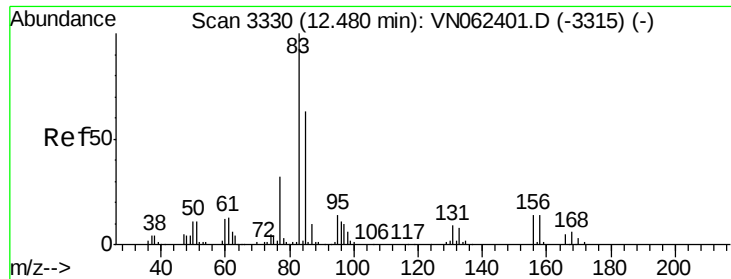
43 100

70 36.9 30.0 45.0

55 22.2 18.2 27.4

61 22.7 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 45.274 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

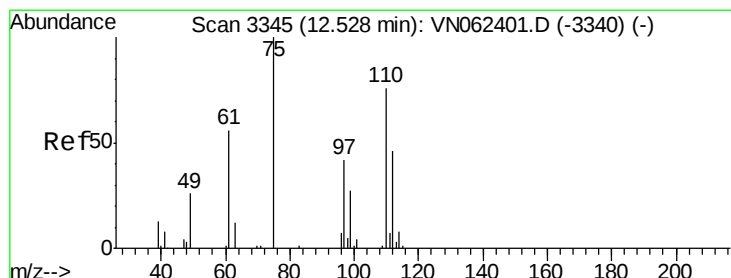
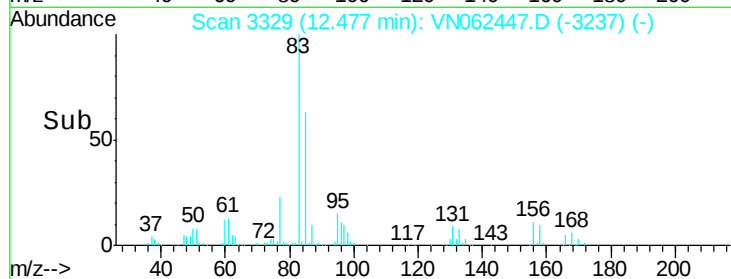
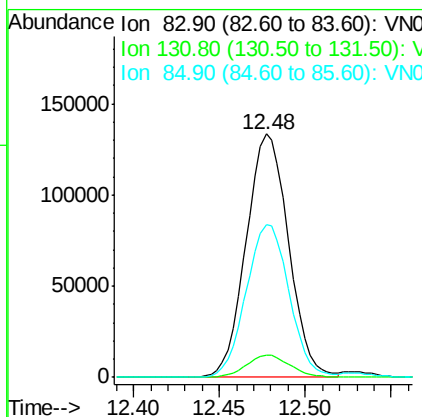
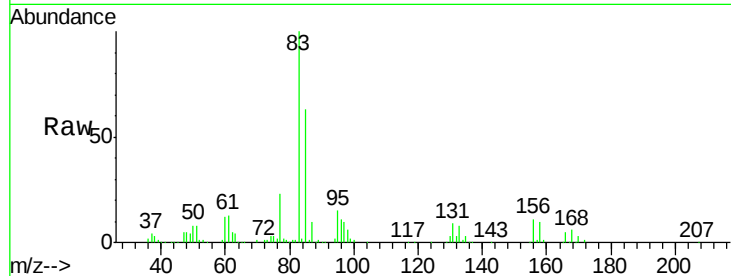
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	229220
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.5	13.5
85	63.4	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
7/10/2020 9:23:36 AM



#76

1,2,3-Trichloropropane

Concen: 43.398 ug/l m

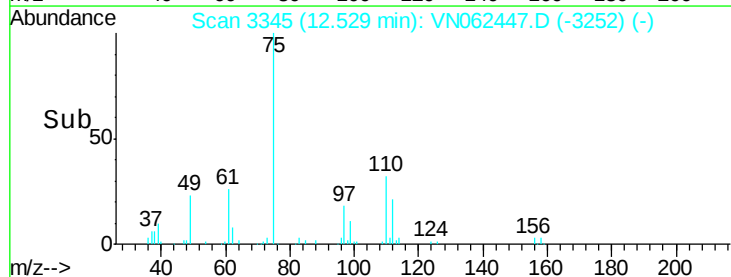
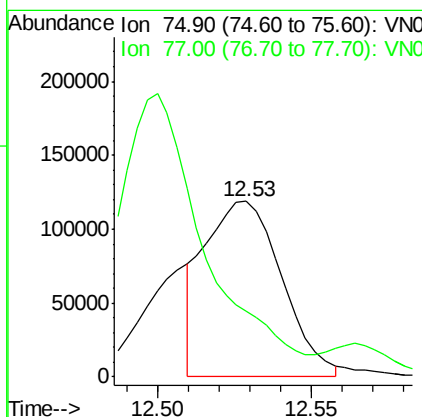
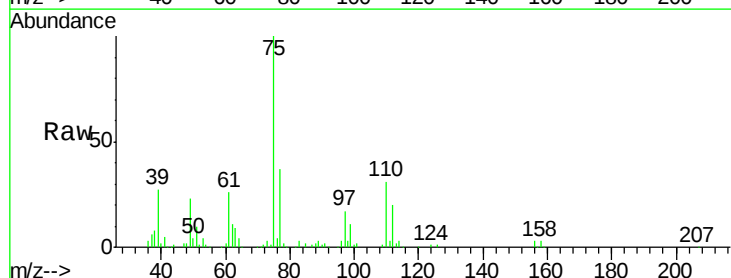
RT: 12.53 min Scan# 3345

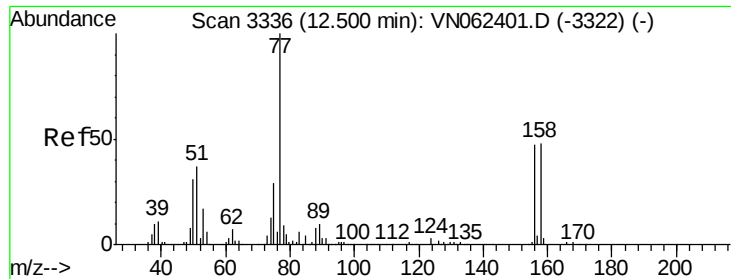
Delta R.T. 0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Tgt Ion:	75	Resp:	207206
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.328 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

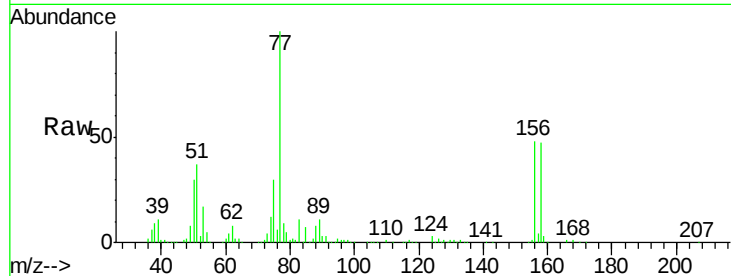
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	158592
Ion Ratio	Lower	Upper	
156	100		
77	243.4	126.4	379.3
158	96.8	49.8	149.4

Manual Integrations
APPROVED

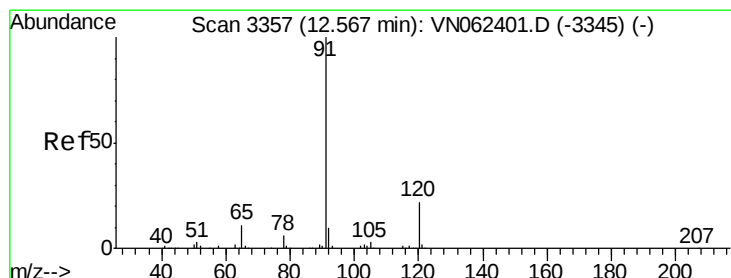
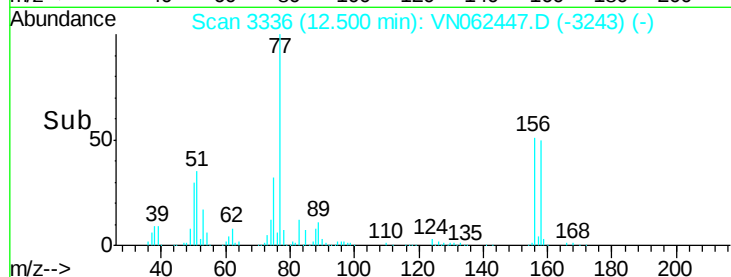
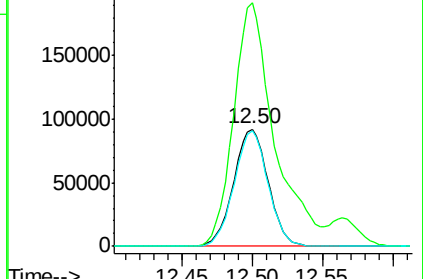
MMDadoda
7/10/2020 9:23:36 AM



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: 47.401 ug/l

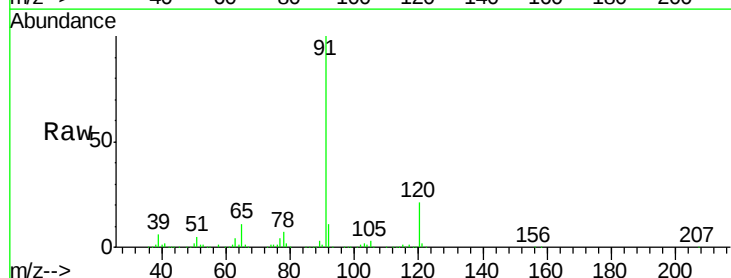
RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062447.D

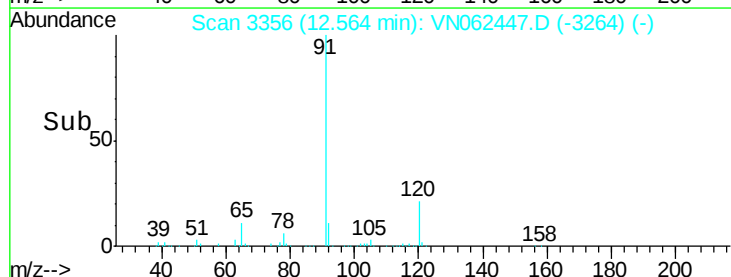
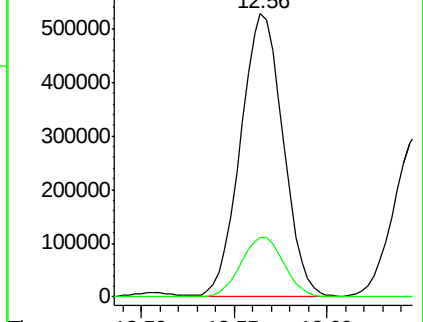
Acq: 9 Jul 2020 10:20

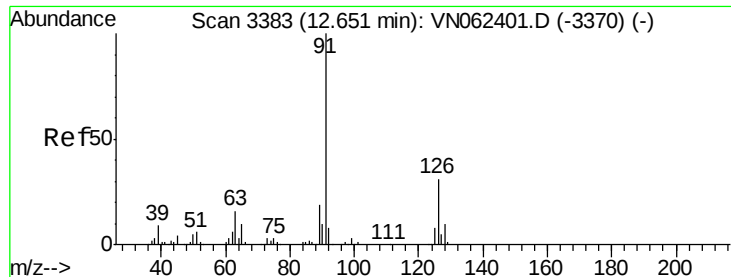
Tgt Ion:	91	Resp:	833738
Ion Ratio	Lower	Upper	
91	100		
120	21.5	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.566 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 497108

Ion Ratio Lower Upper

91 100

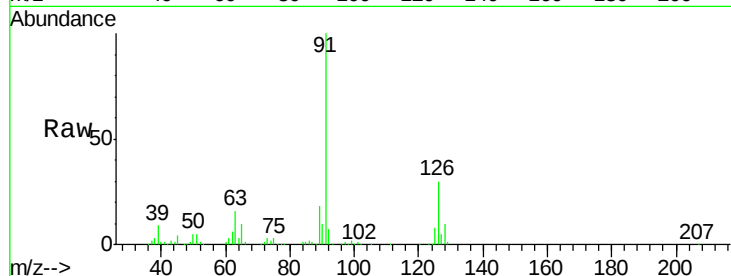
126 31.2 15.6 46.7

Manual Integrations

APPROVED

MMDadoda

7/10/2020 9:23:36 AM



Abundance Ion 91.00 (90.70 to 91.70): VN062447.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN062447.D (-3382) (-)

600000

500000

400000

300000

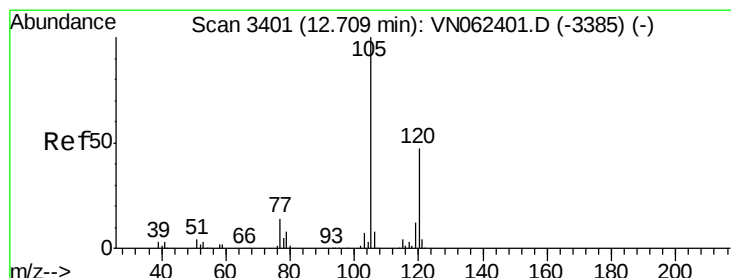
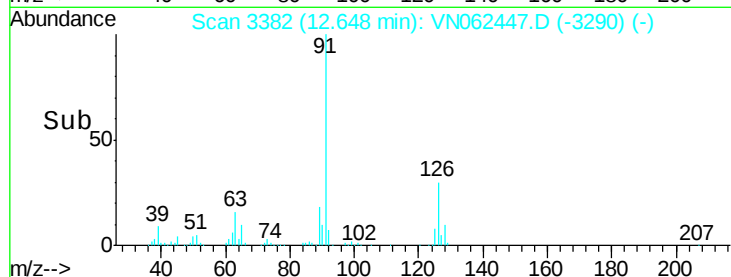
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.747 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062447.D

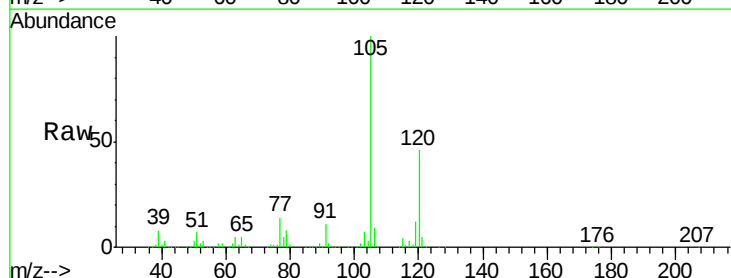
Acq: 9 Jul 2020 10:20

Tgt Ion:105 Resp: 589396

Ion Ratio Lower Upper

105 100

120 46.9 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN062447.D (-3399) (-)

Ion 120.00 (119.70 to 120.70): VN062447.D (-3399) (-)

400000

300000

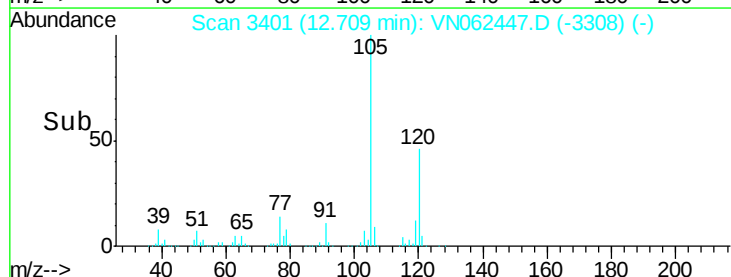
200000

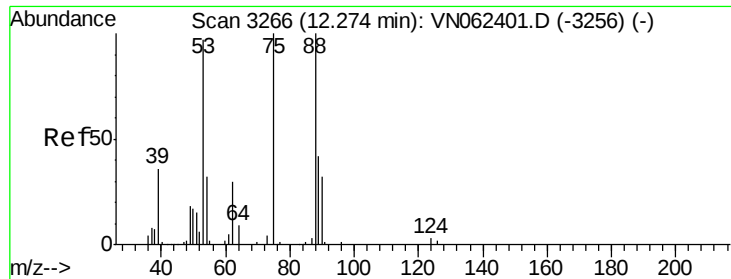
100000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 41.954 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 74840

Ion Ratio Lower Upper

75 100

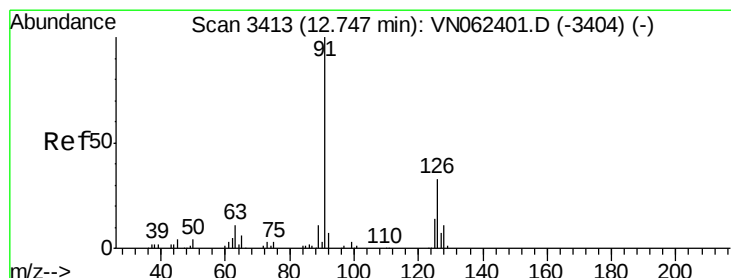
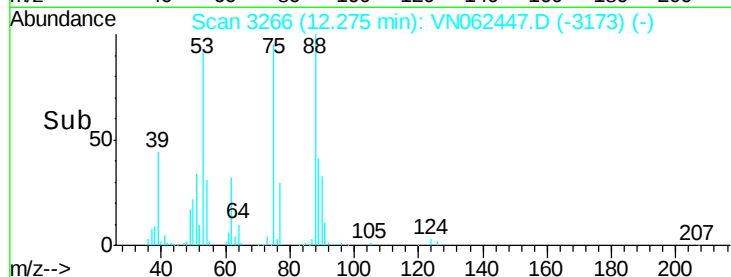
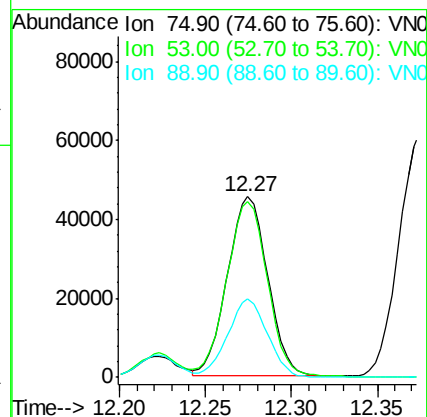
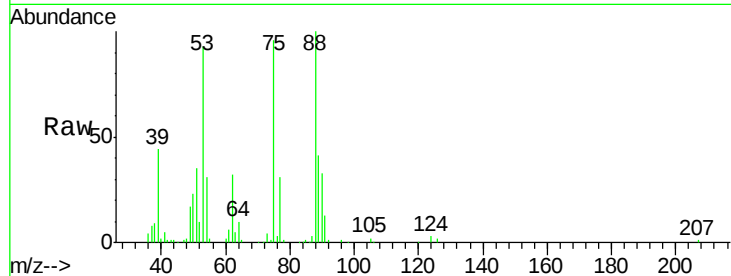
53 100.0 79.2 118.8

89 43.4 34.6 52.0

Manual Integrations
APPROVED

MMDadoda

7/10/2020 9:23:36 AM



#82

4-Chlorotoluene

Concen: 47.641 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062447.D

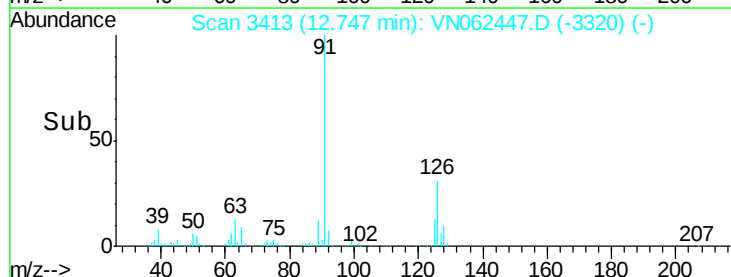
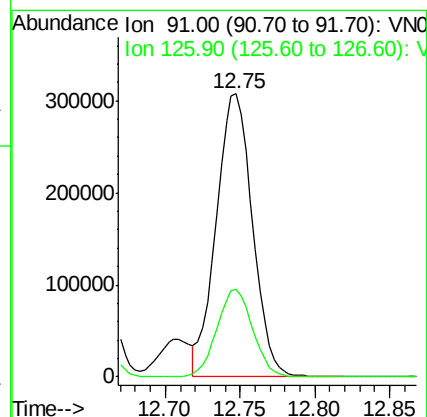
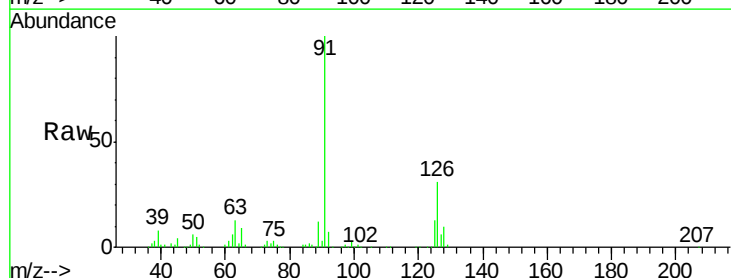
Acq: 9 Jul 2020 10:20

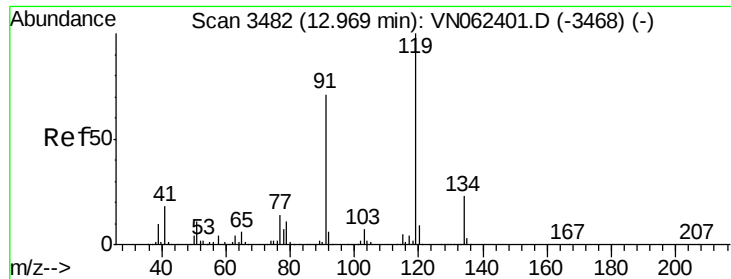
Tgt Ion: 91 Resp: 516323

Ion Ratio Lower Upper

91 100

126 30.4 15.2 45.6





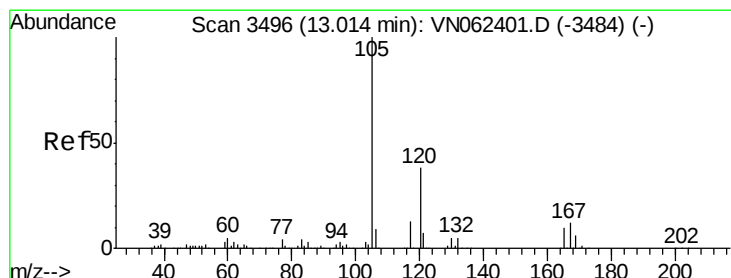
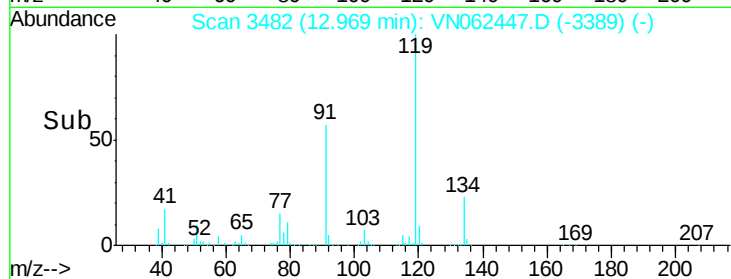
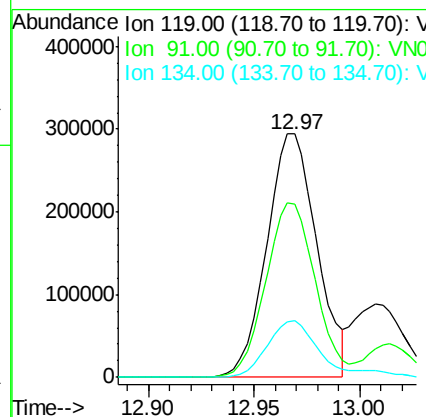
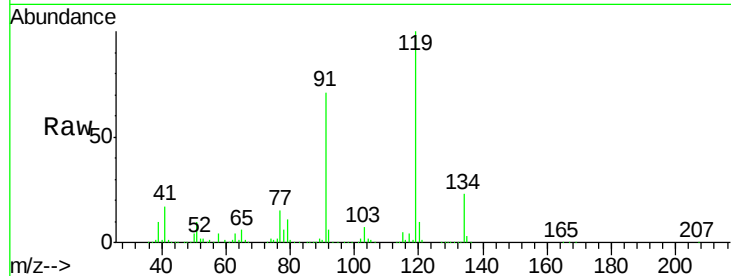
#83
 tert-Butylbenzene
 Concen: 46.349 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.6	34.8	104.3
134	23.2	11.7	35.0

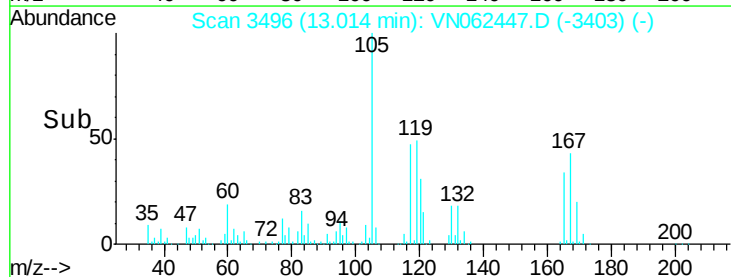
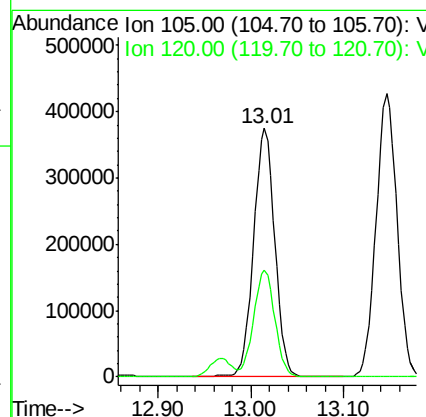
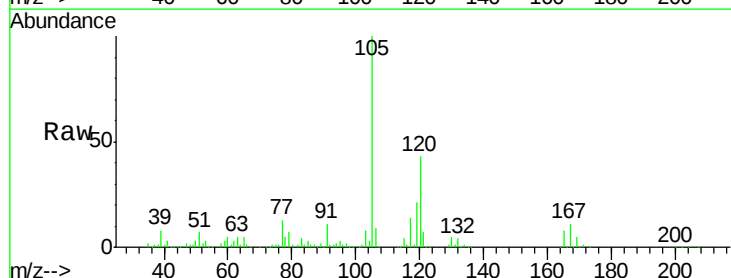
Manual Integrations
 APPROVED

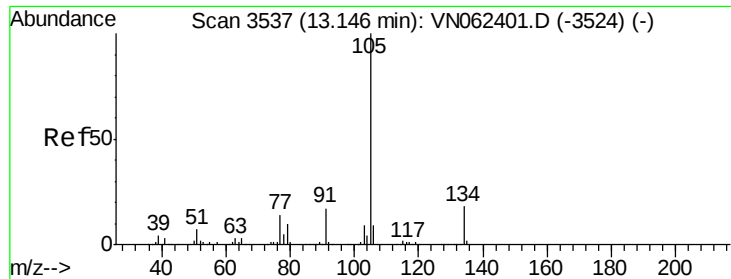
MMDadoda
 7/10/2020 9:23:36 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.502 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.6	64.8





#85

sec-Butylbenzene

Concen: 48.264 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 669971

Ion Ratio Lower Upper

105 100

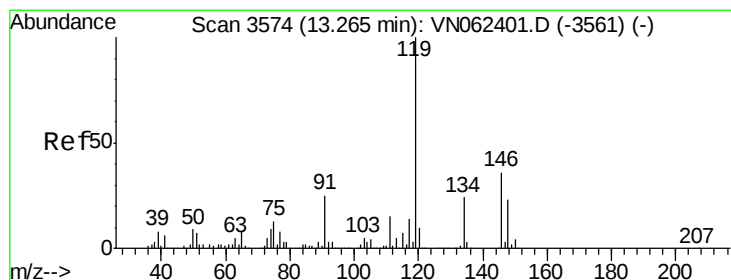
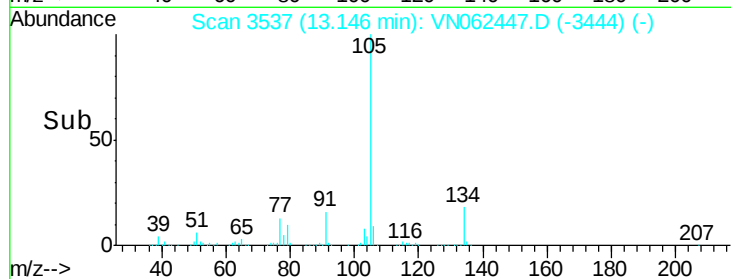
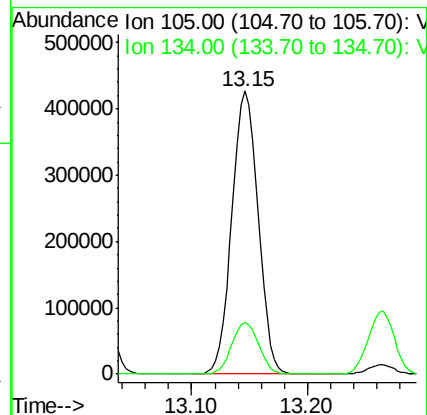
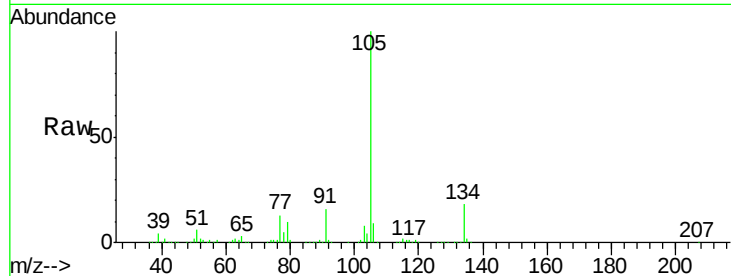
134 18.7 9.3 28.0

Manual Integrations

APPROVED

MMDadoda

7/10/2020 9:23:36 AM



#86

p-Isopropyltoluene

Concen: 49.383 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

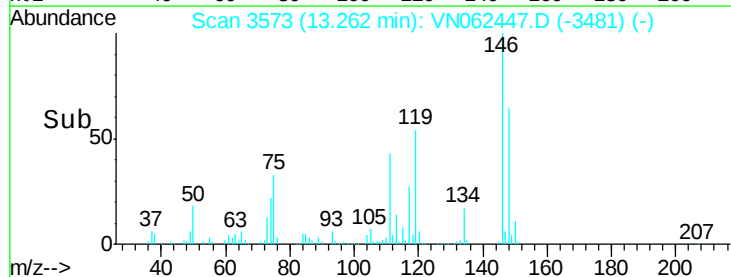
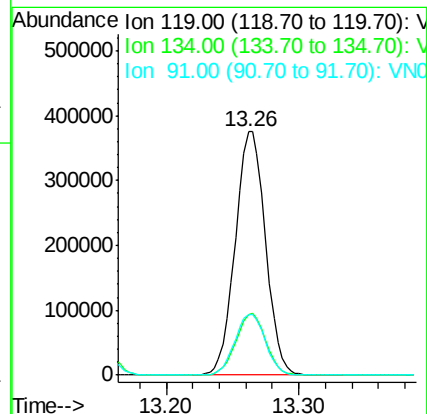
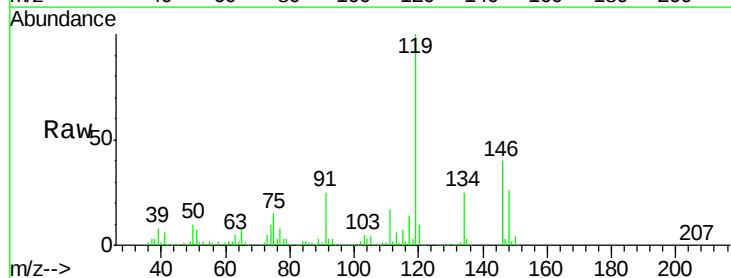
Tgt Ion:119 Resp: 591644

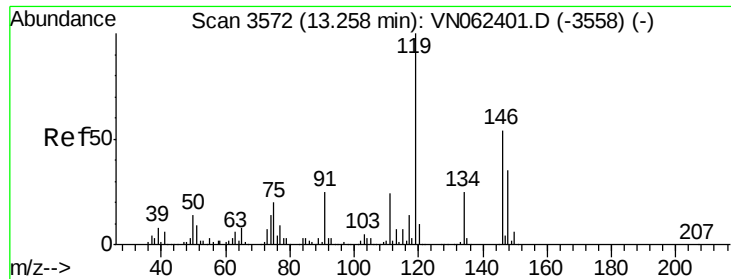
Ion Ratio Lower Upper

119 100

134 25.2 12.4 37.0

91 25.1 12.4 37.4





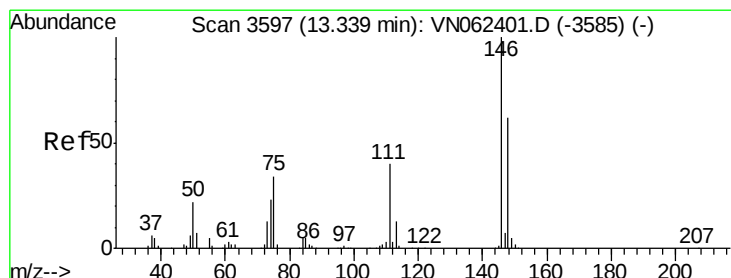
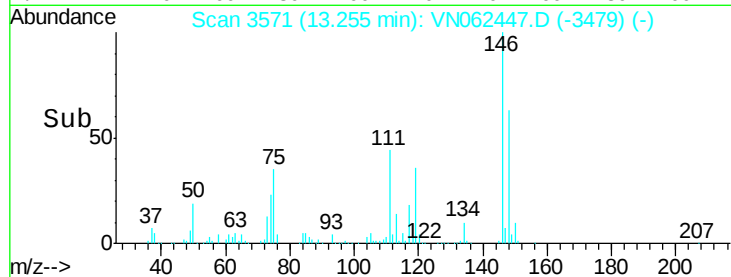
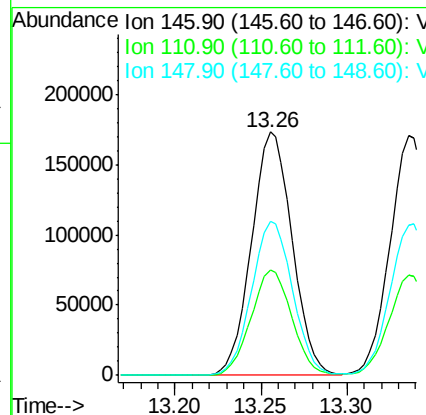
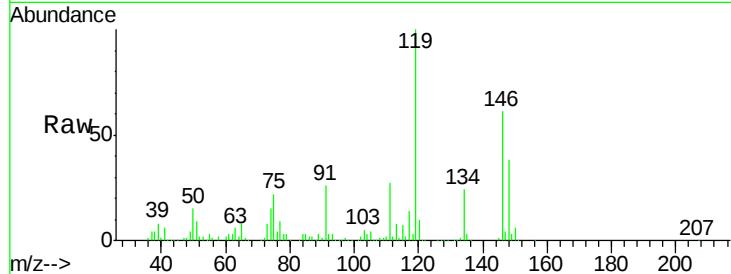
#87
 1,3-Dichlorobenzene
 Concen: 48.046 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	64.6
148	63.6	32.2	96.6

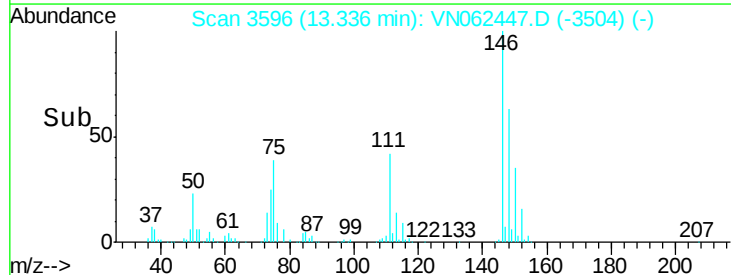
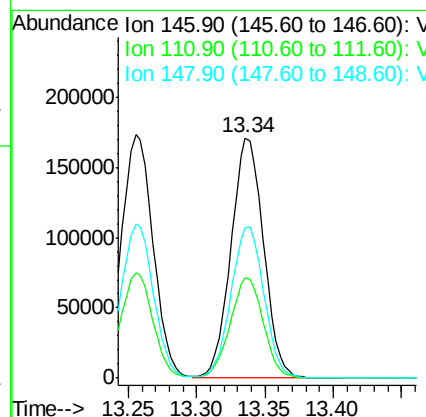
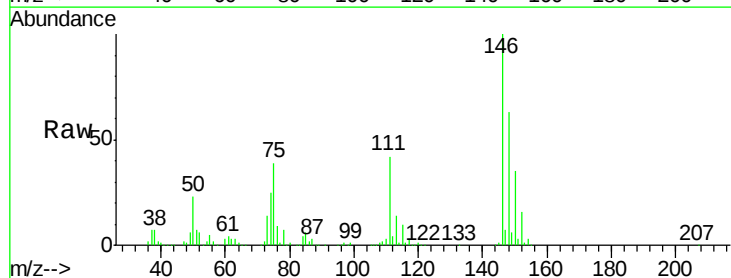
Manual Integrations
 APPROVED

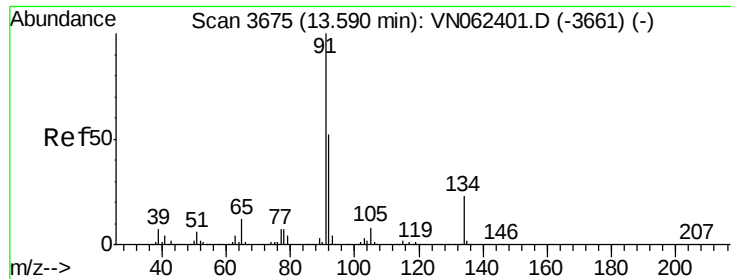
MMDadoda
 7/10/2020 9:23:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.621 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.1
148	64.1	31.4	94.2





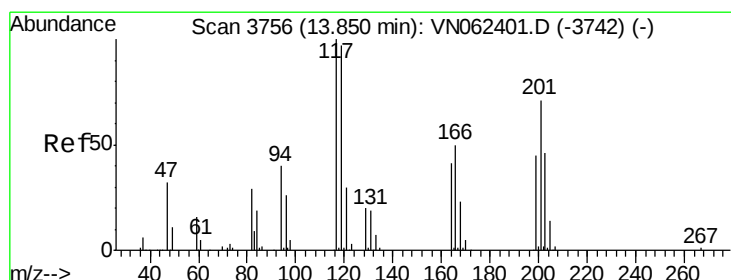
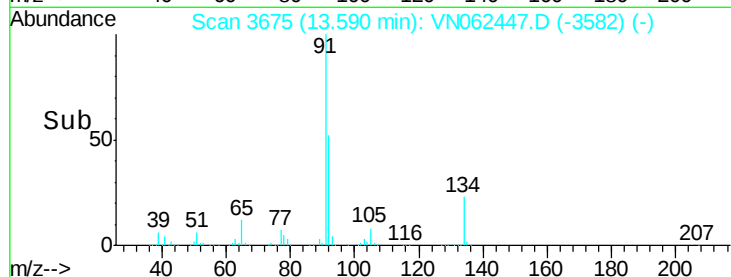
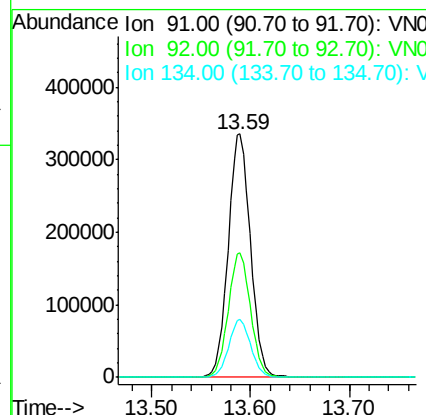
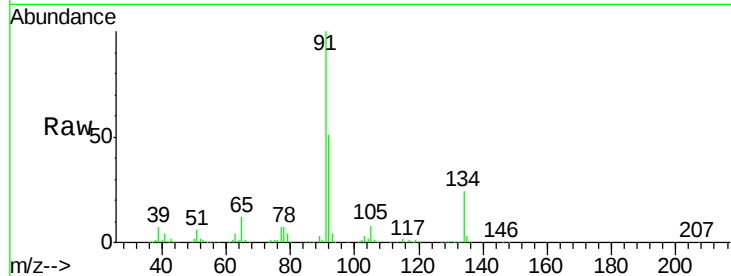
#89
n-Butylbenzene
Concen: 50.421 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.9	77.7
134	23.6	11.6	34.8

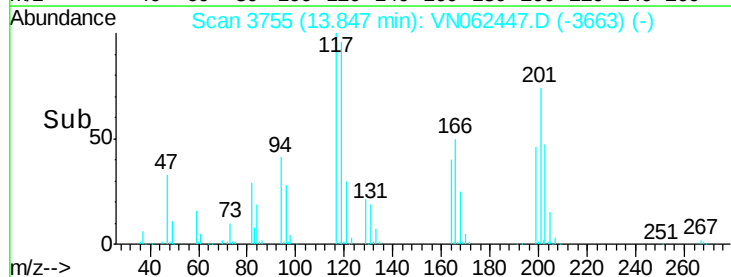
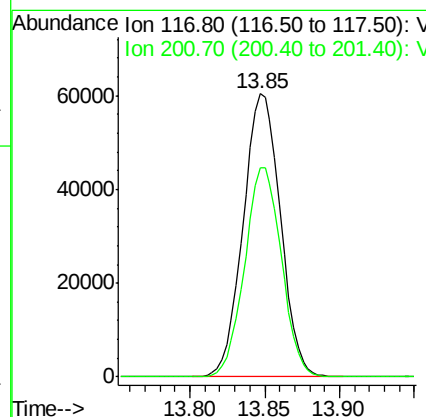
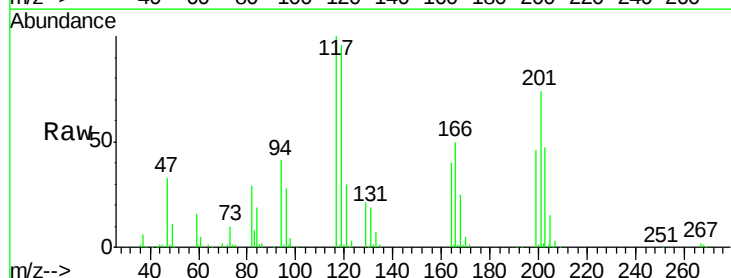
Manual Integrations
APPROVED

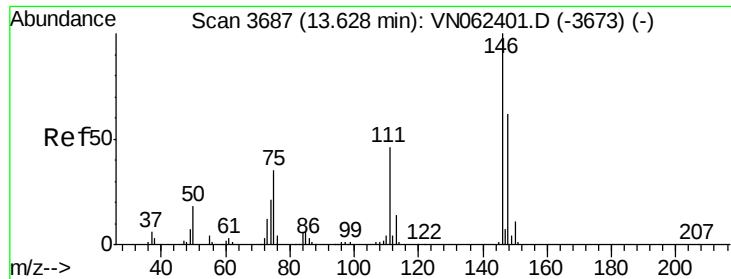
MMDadoda
7/10/2020 9:23:36 AM



#90
Hexachloroethane
Concen: 44.470 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062447.D
Acq: 9 Jul 2020 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.9	35.4	106.2





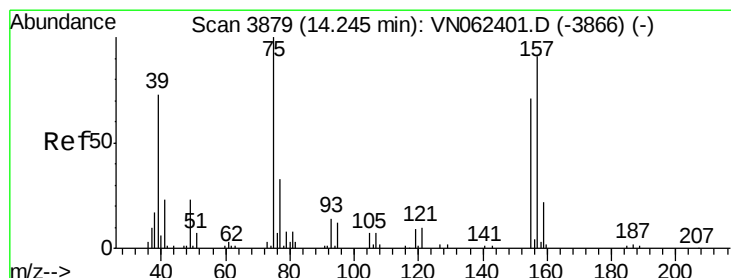
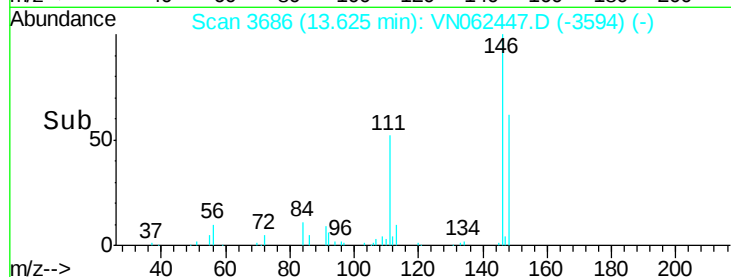
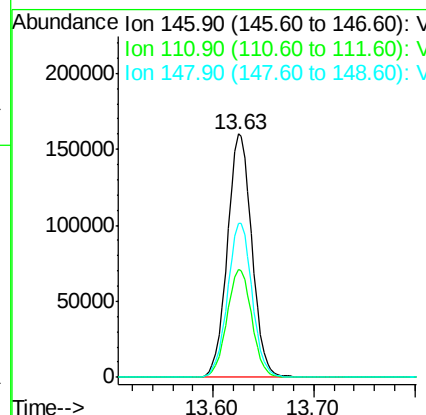
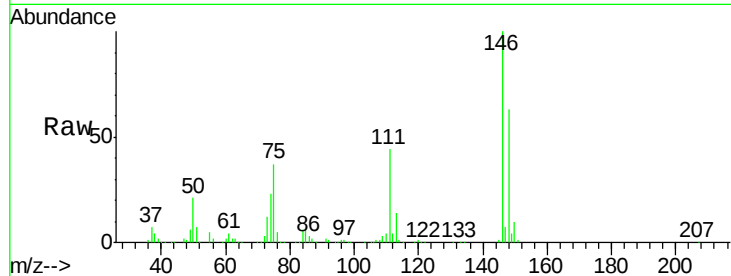
#91
 1,2-Dichlorobenzene
 Concen: 47.618 ug/l
 RT: 13.63 min Scan# 3686
 Delta R.T. -0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.5	67.5
148	63.5	31.4	94.2

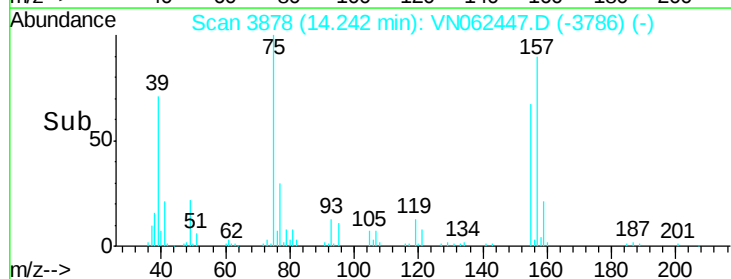
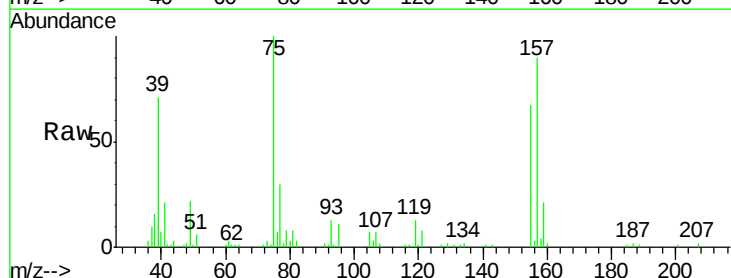
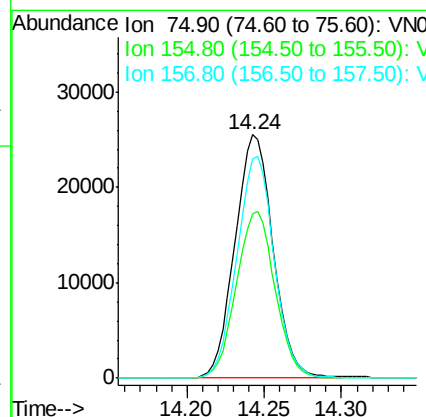
Manual Integrations
 APPROVED

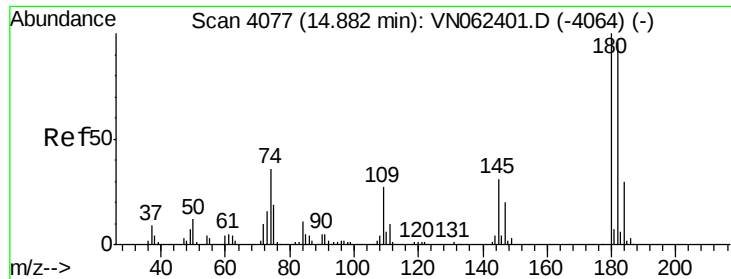
MMDadoda
 7/10/2020 9:23:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.323 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.0	35.2	105.6
157	89.1	45.8	137.3





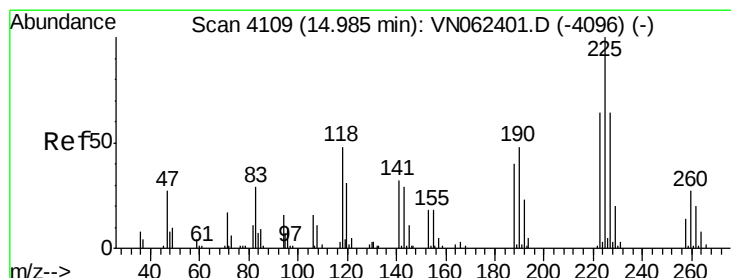
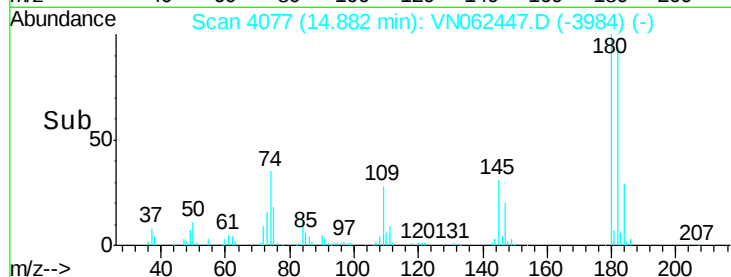
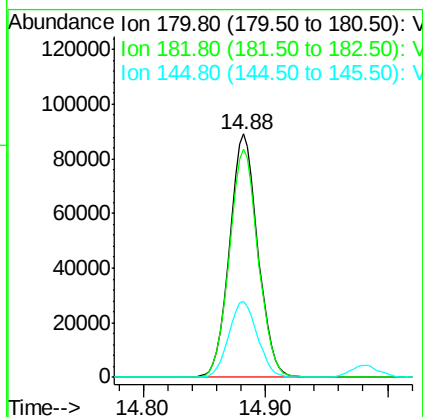
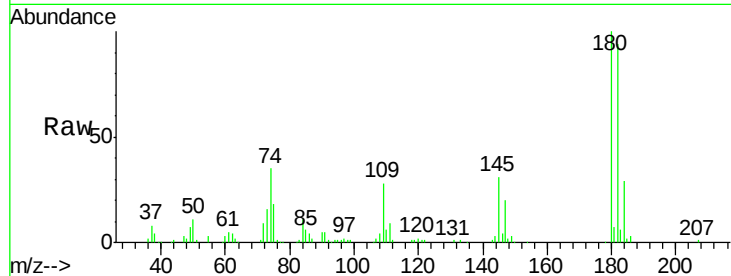
#93
 1,2,4-Trichlorobenzene
 Concen: 46.317 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	144001		
182	95.2	48.4	145.2	
145	31.7	15.5	46.5	

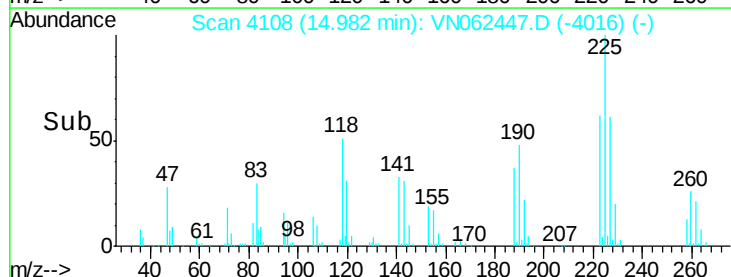
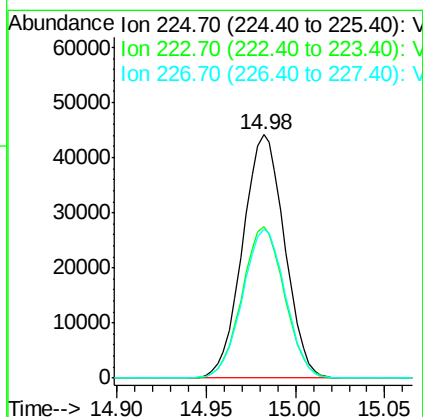
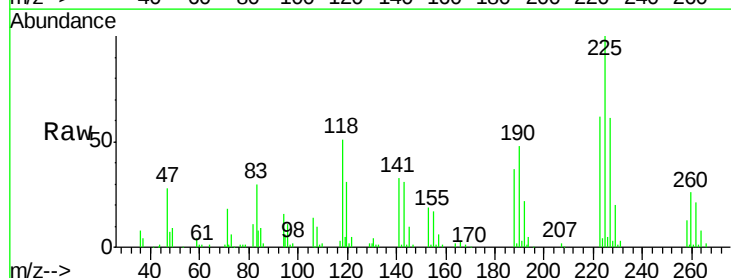
Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 9:23:36 AM



#94
 Hexachlorobutadiene
 Concen: 47.966 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062447.D
 Acq: 9 Jul 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72720		
223	62.8	32.3	96.8	
227	62.5	31.9	95.7	





#95

Naphthalene

Concen: 53.858 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Instrument :

MSVOA_N

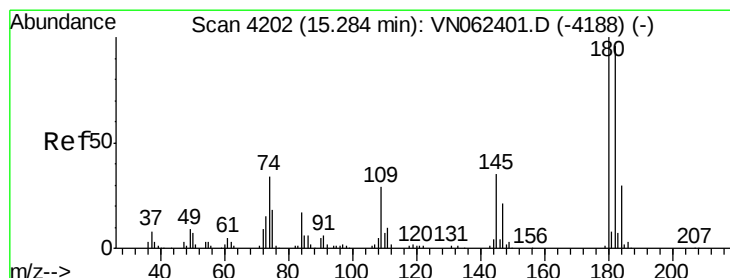
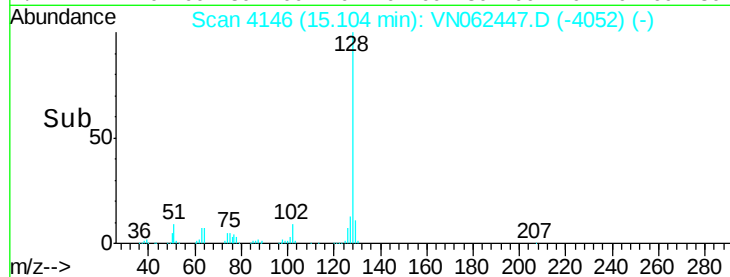
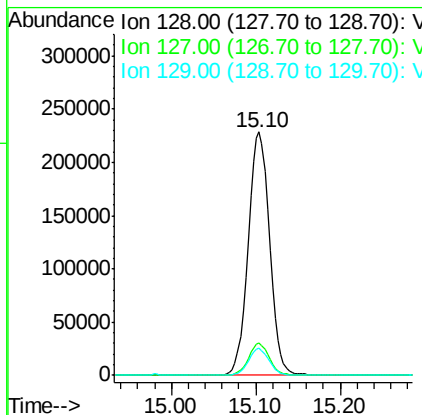
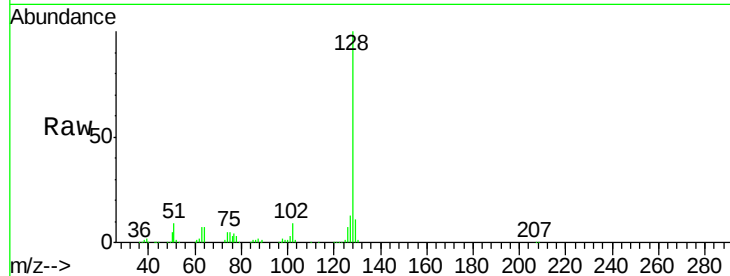
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	404091
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/10/2020 9:23:36 AM



#96

1,2,3-Trichlorobenzene

Concen: 46.353 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062447.D

Acq: 9 Jul 2020 10:20

Tgt Ion:	180	Resp:	141745
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.8	143.4
145	32.8	17.0	50.9

