

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062255.D
 Acq On : 30 Jun 2020 21:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/1/2020 10:16:25 AM

Quant Time: Jul 01 05:34:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	227876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	417743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	390650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	184878	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	163495	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
35) Dibromofluoromethane	7.55	113	127420	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
50) Toluene-d8	10.06	98	504189	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
62) 4-Bromofluorobenzene	12.38	95	171556	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	110635	42.953	ug/l	100
3) Chloromethane	2.03	50	144999	47.757	ug/l	98
4) Vinyl Chloride	2.16	62	172681	42.571	ug/l	98
5) Bromomethane	2.52	94	83265	31.762	ug/l	99
6) Chloroethane	2.66	64	123156	44.446	ug/l	100
7) Trichlorofluoromethane	2.98	101	214997	43.015	ug/l	98
8) Diethyl Ether	3.37	74	85192	48.813	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	120195	45.922	ug/l	97
10) Methyl Iodide	3.91	142	103715	35.185	ug/l	99
11) Tert butyl alcohol	4.74	59	118410	257.894	ug/l	100
12) 1,1-Dichloroethene	3.69	96	119262	45.580	ug/l	94
13) Acrolein	3.56	56	114682	255.117	ug/l	99
14) Allyl chloride	4.27	41	176928	49.665	ug/l	99
15) Acrylonitrile	4.93	53	333198	266.307	ug/l	99
16) Acetone	3.77	43	262190	261.391	ug/l	98
17) Carbon Disulfide	4.00	76	333732	44.535	ug/l	100
18) Methyl Acetate	4.28	43	133914	52.678	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	419174	50.134	ug/l	99
20) Methylene Chloride	4.50	84	150259	51.190	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	134141	45.002	ug/l	95
22) Diisopropyl ether	5.90	45	415798	51.262	ug/l	99
23) Vinyl Acetate	5.84	43	1754866	264.989	ug/l	98
24) 1,1-Dichloroethane	5.80	63	254677	48.759	ug/l	100
25) 2-Butanone	6.79	43	415104	265.569	ug/l	97
26) 2,2-Dichloropropane	6.77	77	190015	43.656	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	157388	46.923	ug/l	99
28) Bromochloromethane	7.15	49	118379	52.236	ug/l	94
29) Tetrahydrofuran	7.17	42	279223	272.708	ug/l	98
30) Chloroform	7.33	83	257270	48.412	ug/l	99
31) Cyclohexane	7.61	56	205943	46.613	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	211972	47.298	ug/l	98
36) 1,1-Dichloropropene	7.75	75	188880	44.983	ug/l	99
37) Ethyl Acetate	6.88	43	179559	51.643	ug/l	98
38) Carbon Tetrachloride	7.73	117	176658	44.625	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062255.D
 Acq On : 30 Jun 2020 21:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/1/2020 10:16:25 AM

Quant Time: Jul 01 05:34:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	215381	46.815	ug/l	98
40) Benzene	8.00	78	591494	46.217	ug/l	99
41) Methacrylonitrile	7.13	41	69063m	42.845	ug/l	
42) 1,2-Dichloroethane	8.09	62	203964	47.170	ug/l	99
43) Isopropyl Acetate	8.13	43	293364	51.758	ug/l	99
44) Trichloroethene	8.80	130	138369	42.860	ug/l	96
45) 1,2-Dichloropropane	9.09	63	155962	49.396	ug/l	100
46) Dibromomethane	9.18	93	100787	47.081	ug/l	98
47) Bromodichloromethane	9.37	83	208009	48.123	ug/l	99
48) Methyl methacrylate	9.17	41	137647	54.162	ug/l	94
49) 1,4-Dioxane	9.17	88	56652	1005.216	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	897417	270.995	ug/l	99
52) Toluene	10.12	92	373723	47.859	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	225830	47.489	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	247972	48.979	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	148025	48.223	ug/l	98
56) Ethyl methacrylate	10.40	69	219189	53.507	ug/l	99
57) 1,3-Dichloropropane	10.68	76	258668	48.958	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	417960	240.310	ug/l	98
59) 2-Hexanone	10.72	43	657000	274.749	ug/l	99
60) Dibromochloromethane	10.87	129	153813	47.330	ug/l	98
61) 1,2-Dibromoethane	10.98	107	149711	47.466	ug/l	99
64) Tetrachloroethene	10.60	164	111112	41.638	ug/l	98
65) Chlorobenzene	11.41	112	387130	45.127	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	136192	45.911	ug/l	98
67) Ethyl Benzene	11.48	91	699280	48.265	ug/l	99
68) m/p-Xylenes	11.60	106	532129	94.957	ug/l	98
69) o-Xylene	11.92	106	252310	47.720	ug/l	95
70) Styrene	11.94	104	435905	49.434	ug/l	99
71) Bromoform	12.10	173	99650	47.247	ug/l #	97
73) Isopropylbenzene	12.22	105	678015	47.377	ug/l	99
74) N-amyl acetate	12.05	43	256302	48.742	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	228446	47.969	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	201482m	46.295	ug/l	
77) Bromobenzene	12.50	156	154472	43.477	ug/l	92
78) n-propylbenzene	12.56	91	793579	48.478	ug/l	98
79) 2-Chlorotoluene	12.65	91	465818	47.070	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	560401	48.305	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	66811	44.831	ug/l	97
82) 4-Chlorotoluene	12.75	91	481275	47.028	ug/l	98
83) tert-Butylbenzene	12.97	119	476495	47.993	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	560935	48.412	ug/l	100
85) sec-Butylbenzene	13.15	105	653294	49.797	ug/l	98
86) p-Isopropyltoluene	13.26	119	572152	49.778	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	285010	45.682	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	283688	44.111	ug/l	98
89) n-Butylbenzene	13.59	91	480582	50.292	ug/l	99
90) Hexachloroethane	13.85	117	104865	46.501	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	278373	46.012	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	38549	50.529	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
Data File : VN062255.D
Acq On : 30 Jun 2020 21:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:25 AM

Quant Time: Jul 01 05:34:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	122562	46.373	ug/l	98
94) Hexachlorobutadiene	14.98	225	52931	46.111	ug/l	98
95) Naphthalene	15.10	128	362420	41.836	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	124888	46.213	ug/l	99

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

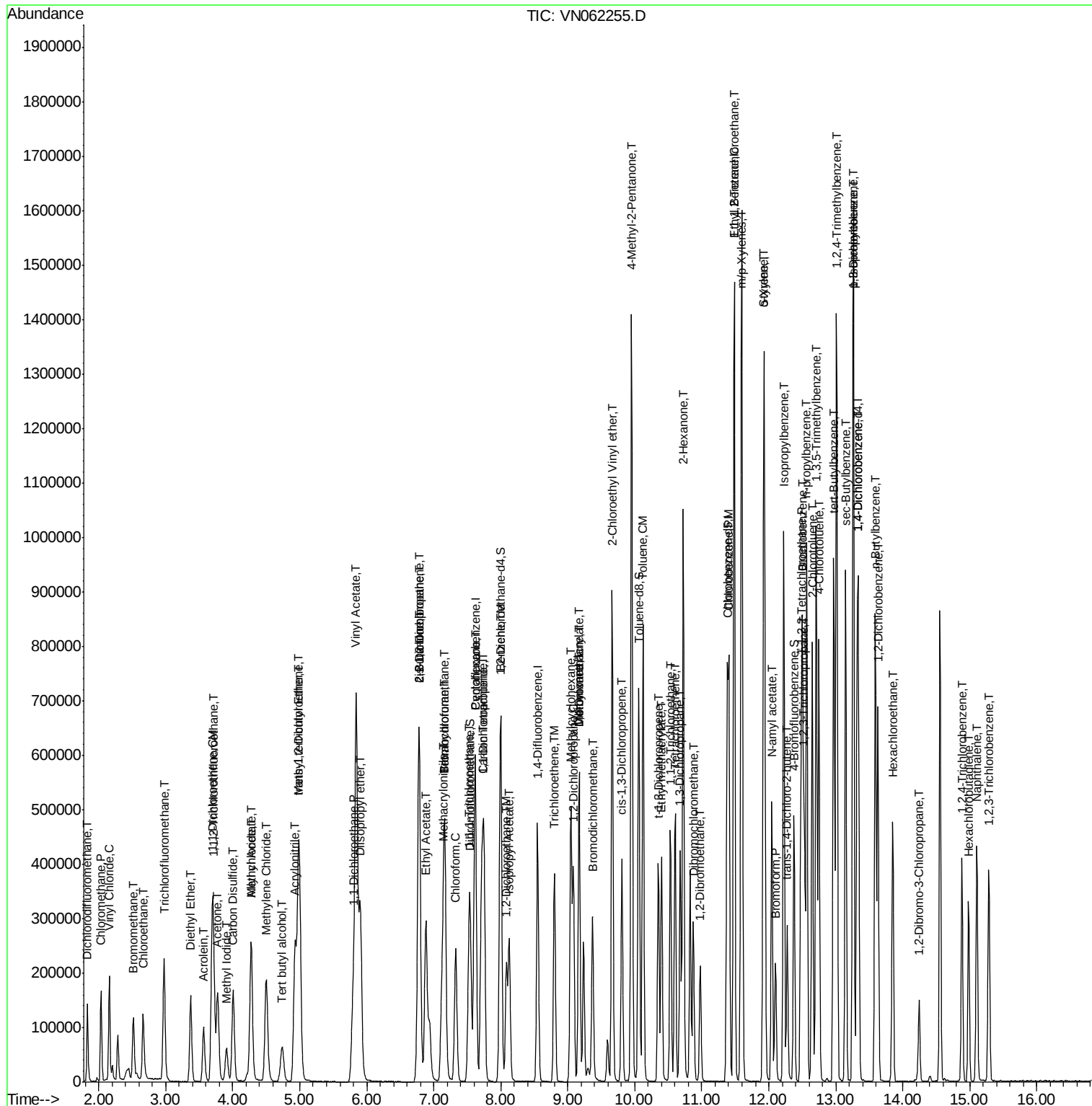
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN063020\
Data File : VN062255.D
Acq On : 30 Jun 2020 21:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

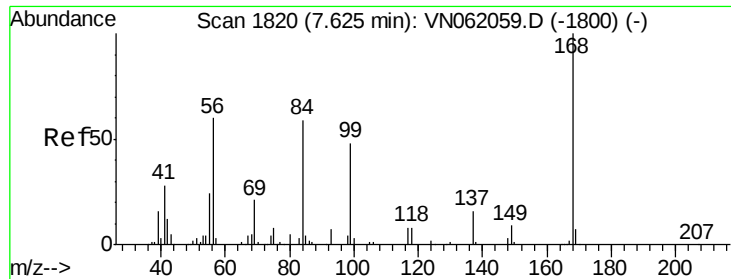
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:25 AM

Quant Time: Jul 01 05:34:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 227876

Ion Ratio Lower Upper

168 100

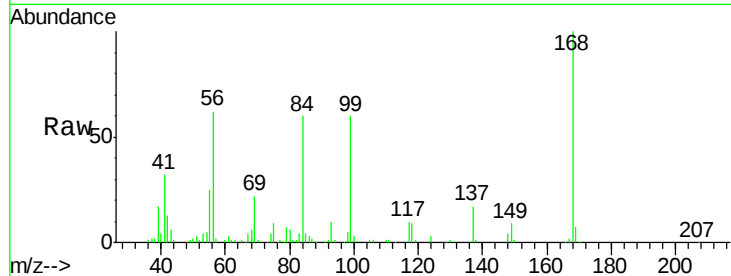
99 60.2 45.8 68.8

Manual Integrations

APPROVED

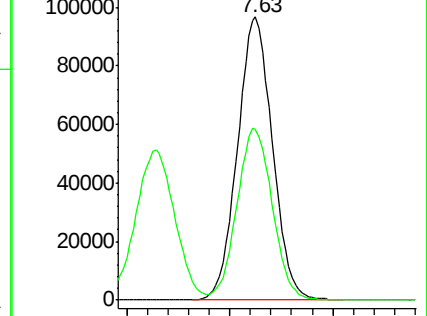
MMDadoda

7/1/2020 10:16:25 AM

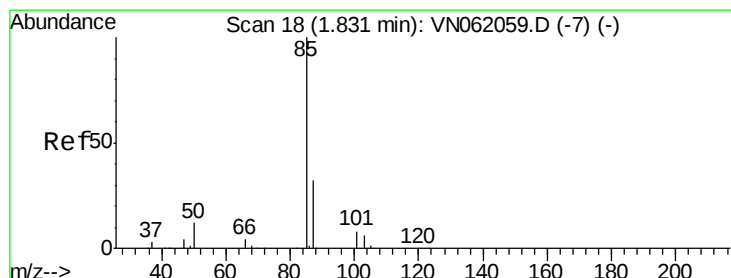
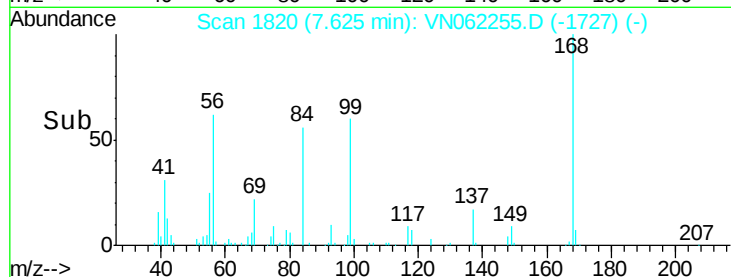


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



Time-->



#2

Dichlorodifluoromethane

Concen: 42.953 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062255.D

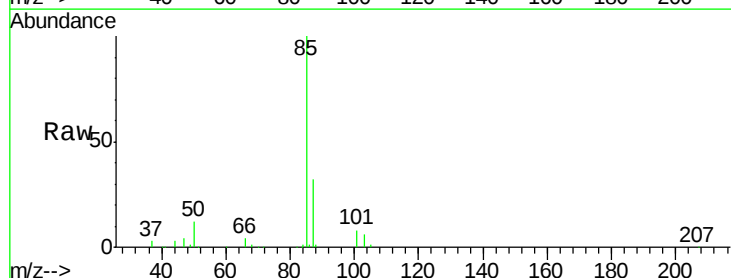
Acq: 30 Jun 2020 21:28

Tgt Ion: 85 Resp: 110635

Ion Ratio Lower Upper

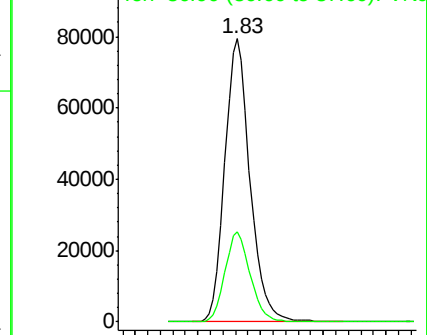
85 100

87 31.8 15.9 47.7

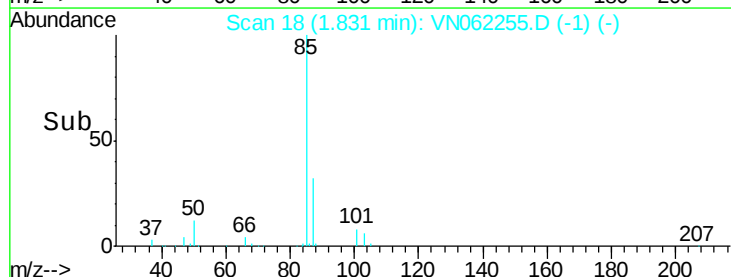


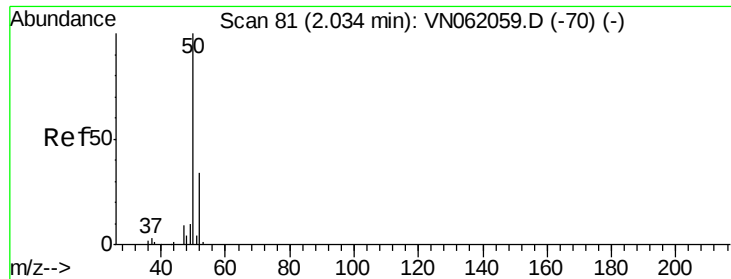
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO



Time-->





#3

Chloromethane

Concen: 47.757 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 144999

Ion Ratio Lower Upper

50 100

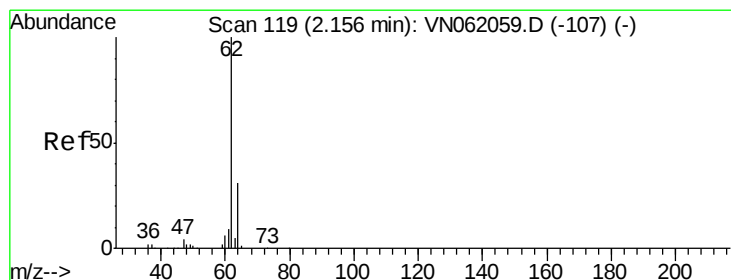
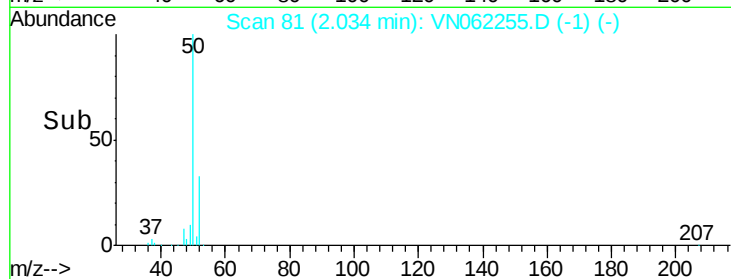
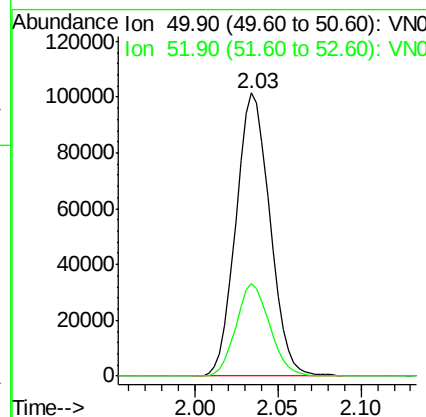
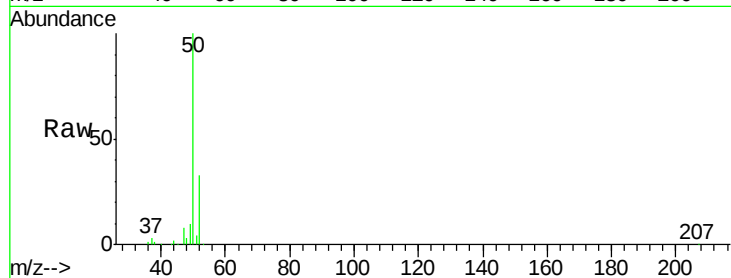
52 32.8 27.0 40.6

Manual Integrations

APPROVED

MMDadoda

7/1/2020 10:16:25 AM



#4

Vinyl Chloride

Concen: 42.571 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062255.D

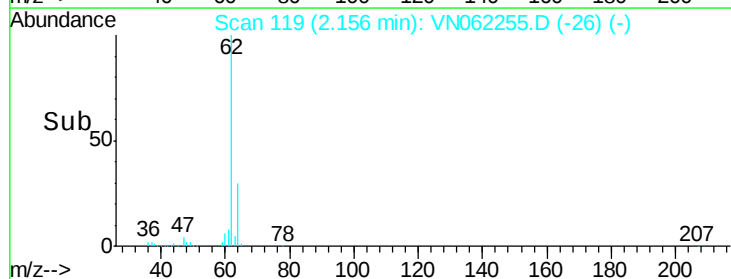
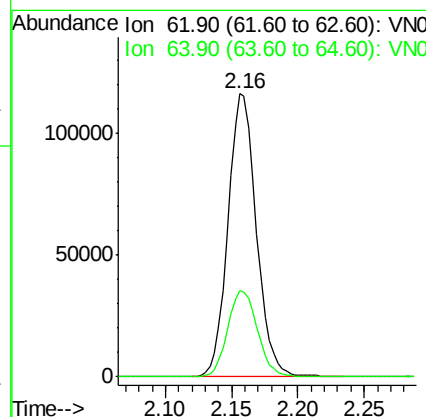
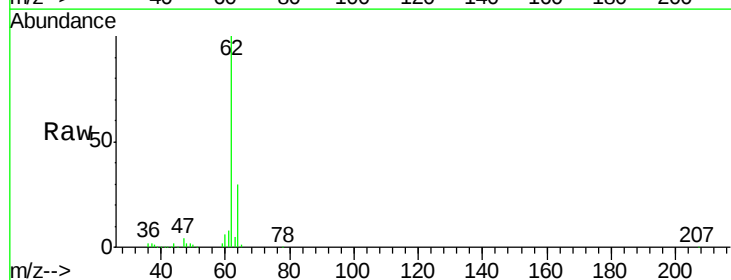
Acq: 30 Jun 2020 21:28

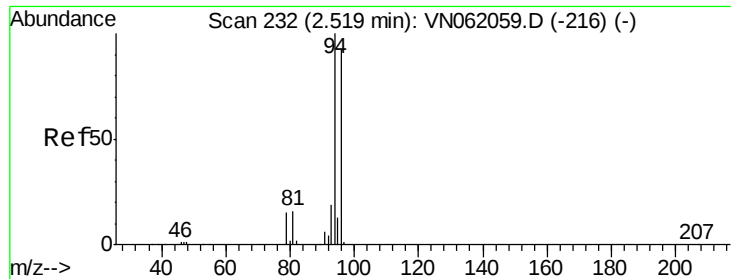
Tgt Ion: 62 Resp: 172681

Ion Ratio Lower Upper

62 100

64 30.5 25.1 37.7





#5

Bromomethane

Concen: 31.762 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 83265

Ion Ratio Lower Upper

94 100

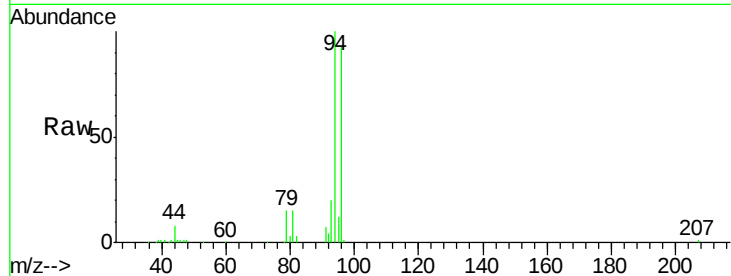
96 92.4 73.4 110.2

Manual Integrations

APPROVED

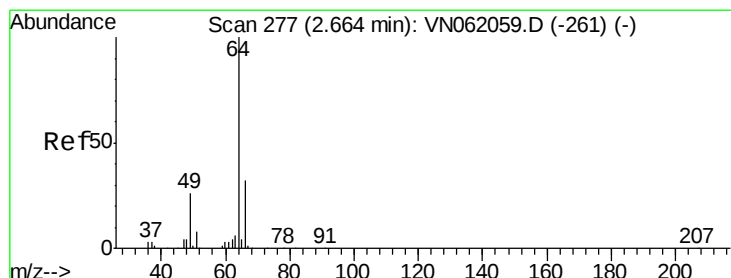
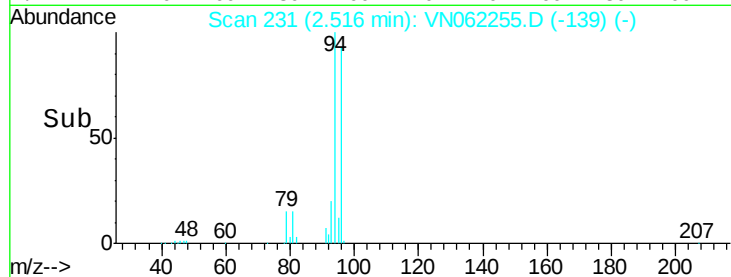
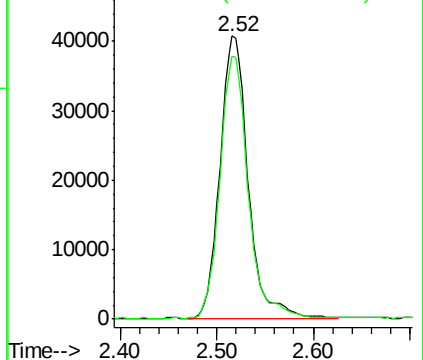
MMDadoda

7/1/2020 10:16:25 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.446 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062255.D

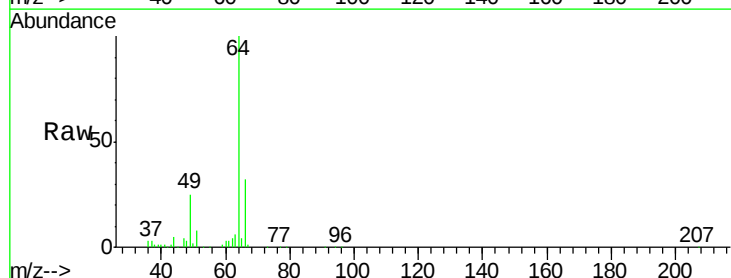
Acq: 30 Jun 2020 21:28

Tgt Ion: 64 Resp: 123156

Ion Ratio Lower Upper

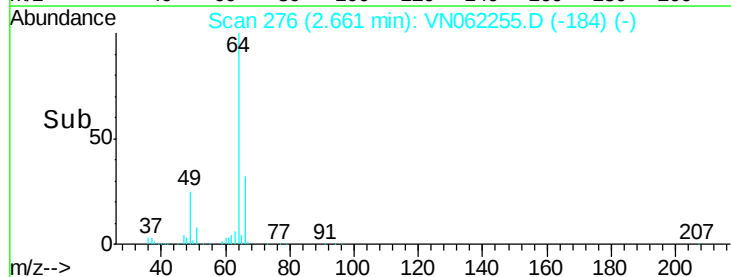
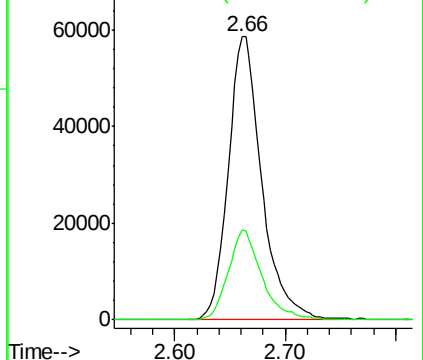
64 100

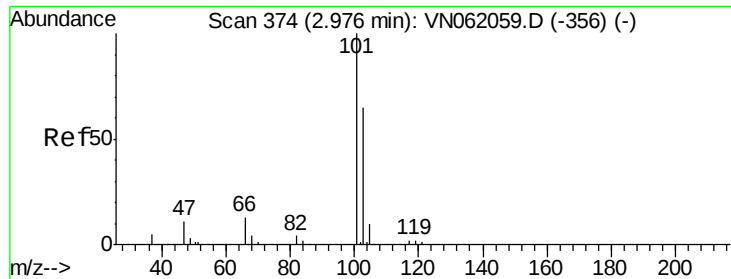
66 32.0 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

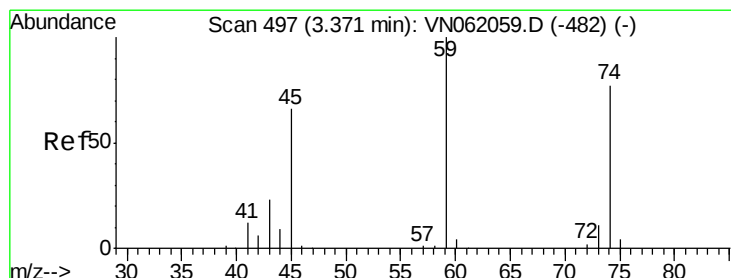
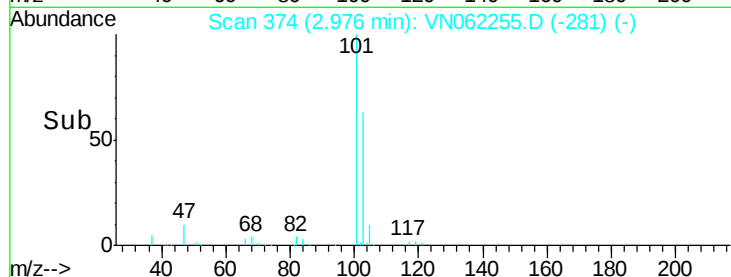
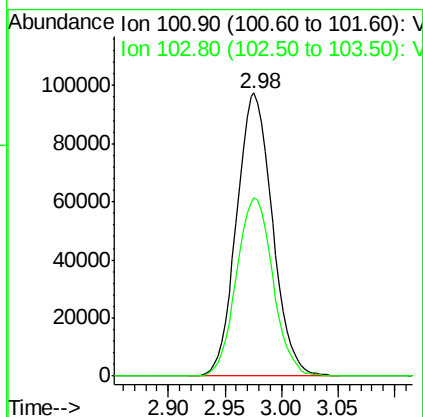
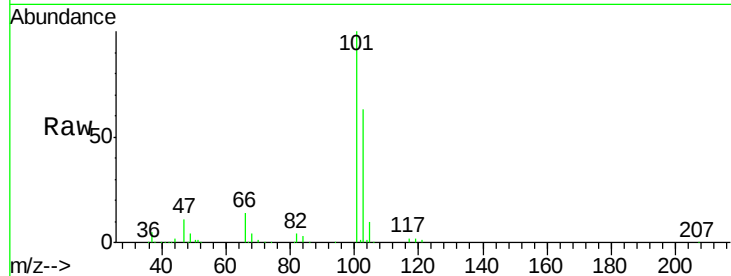
Trichlorofluoromethane
Concen: 43.015 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.8	77.6

Manual Integrations
APPROVED

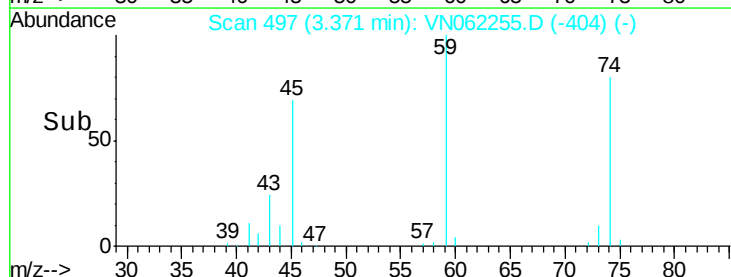
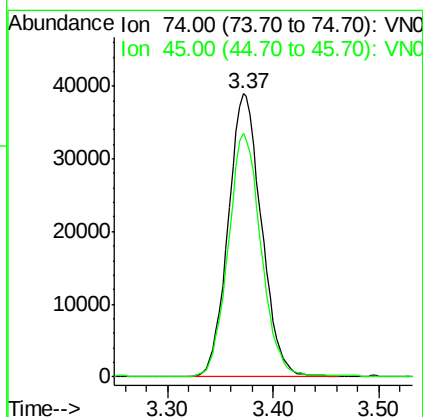
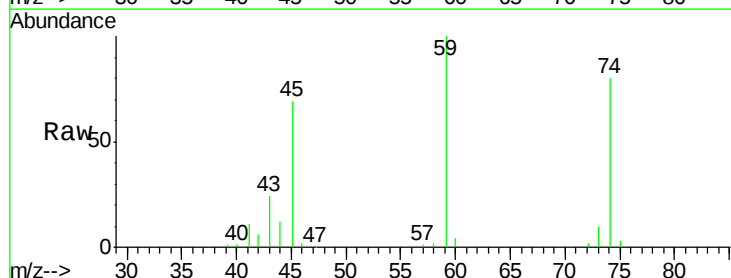
MMDadoda
7/1/2020 10:16:25 AM

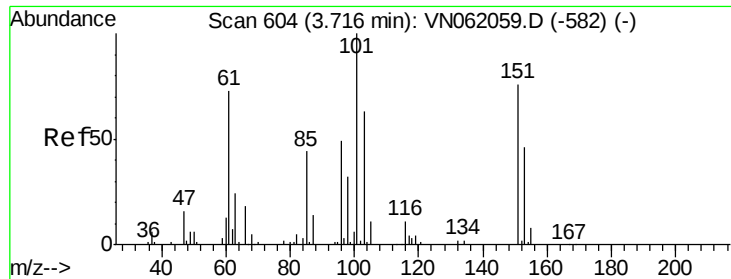


#8

Diethyl Ether
Concen: 48.813 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.0	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.922 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Instrument :

MSVOA_N

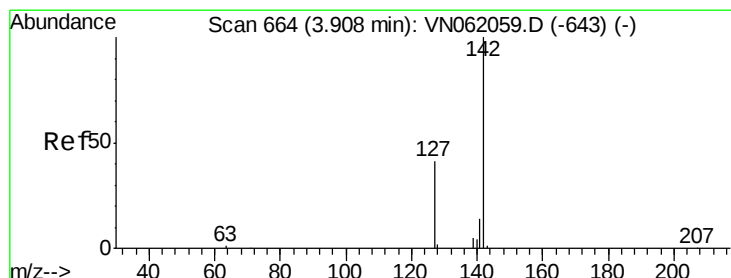
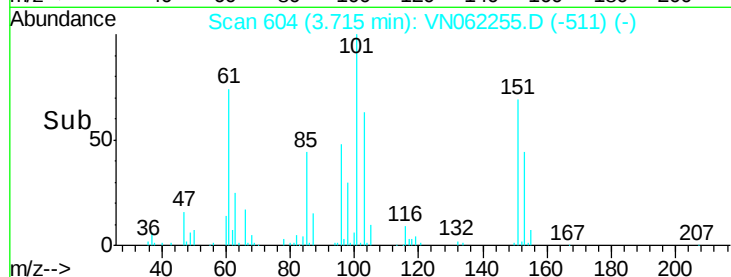
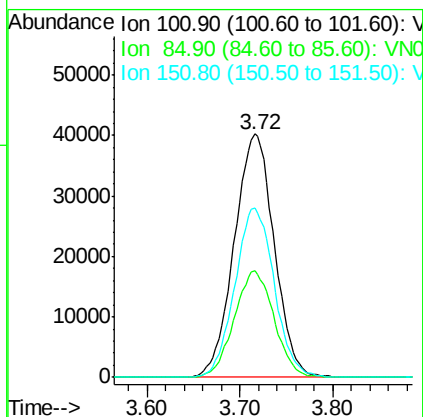
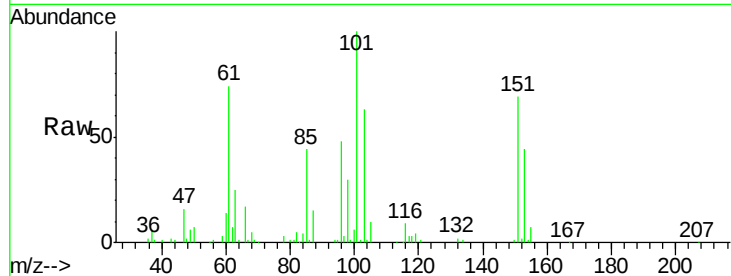
ClientSampleId :

VSTDCCC050EC

Tot Ion	101	Resp	120195
Ion	Ratio	Lower	Upper
101	100		
85	43.6	34.5	51.7
151	68.7	57.8	86.8

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:25 AM



#10

Methyl Iodide

Concen: 35.185 ug/l

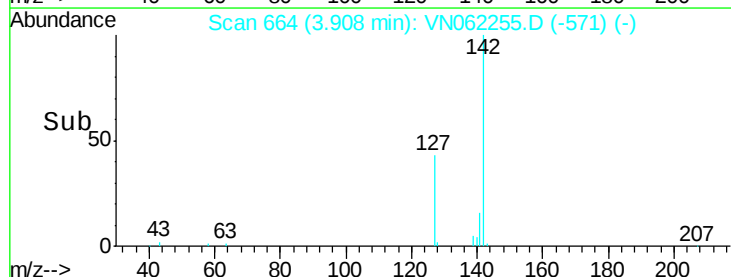
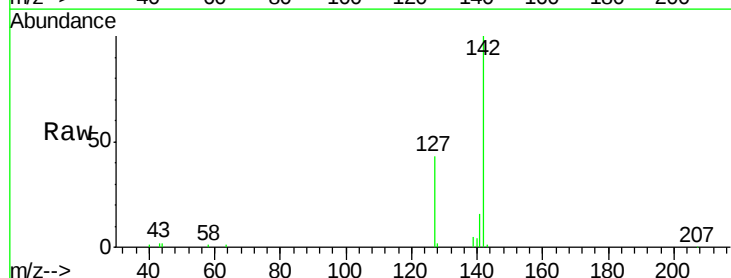
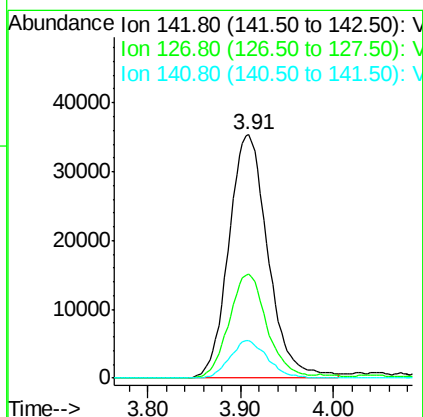
RT: 3.91 min Scan# 664

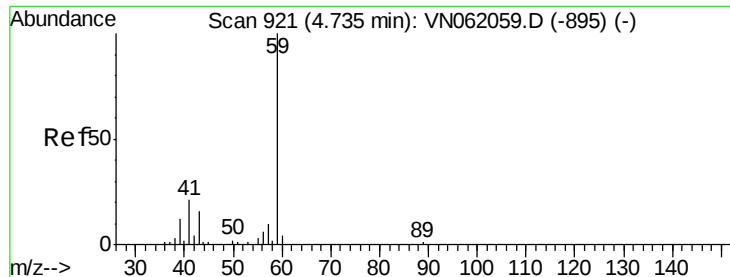
Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Tgt Ion	142	Resp	103715
Ion	Ratio	Lower	Upper
142	100		
127	41.4	33.6	50.4
141	14.7	11.3	16.9





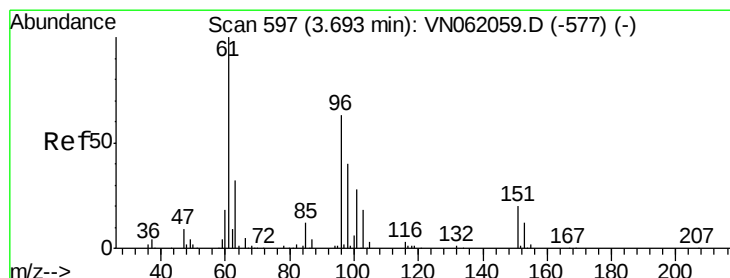
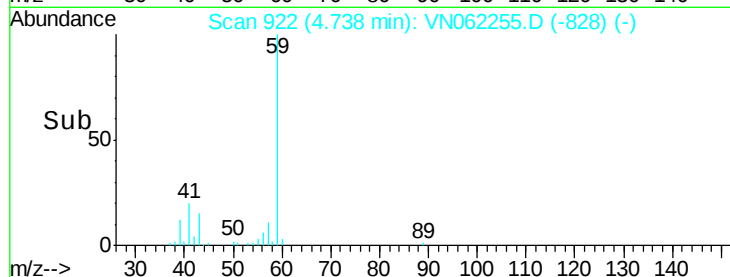
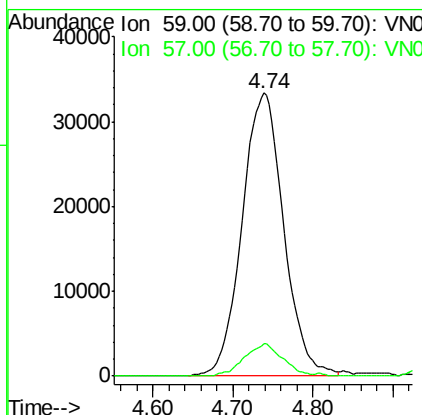
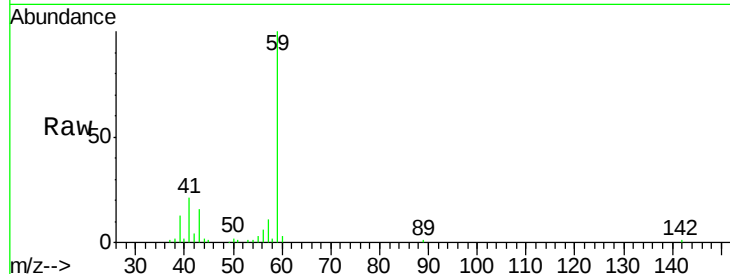
#11
Tert butyl alcohol
Concen: 257.894 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	118410
Ion Ratio	100	Lower	Upper
57	10.6	8.3	12.5

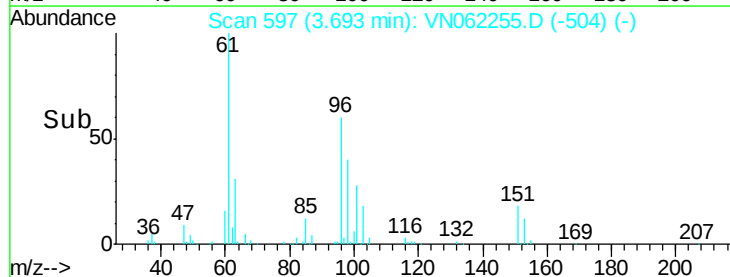
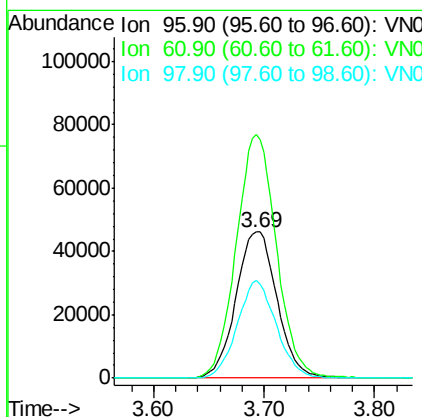
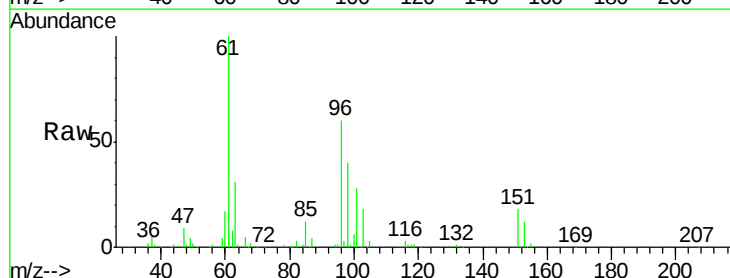
Manual Integrations
APPROVED

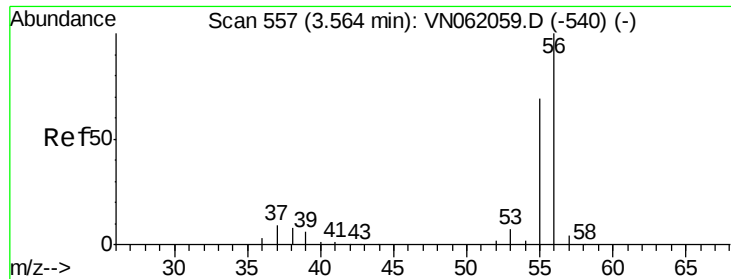
MMDadoda
7/1/2020 10:16:25 AM



#12
1,1-Dichloroethene
Concen: 45.580 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	96	Resp	119262
Ion Ratio	100	Lower	Upper
61	166.6	126.7	190.1
98	66.7	51.0	76.4





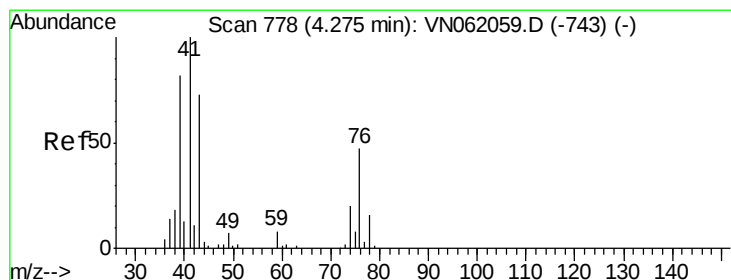
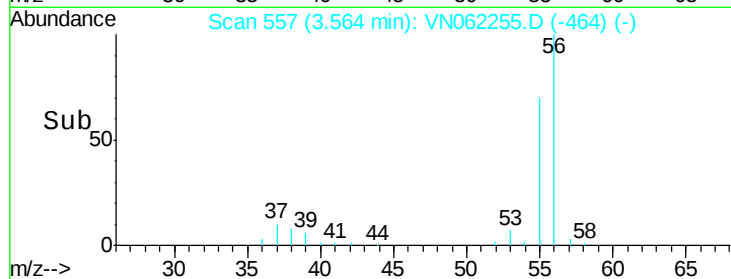
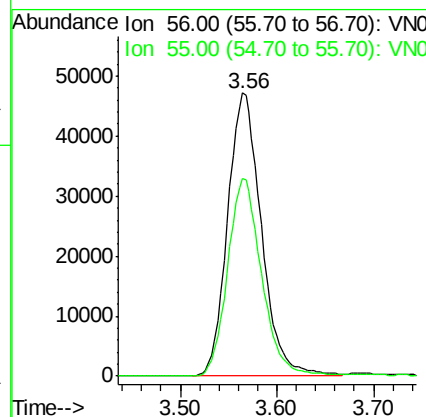
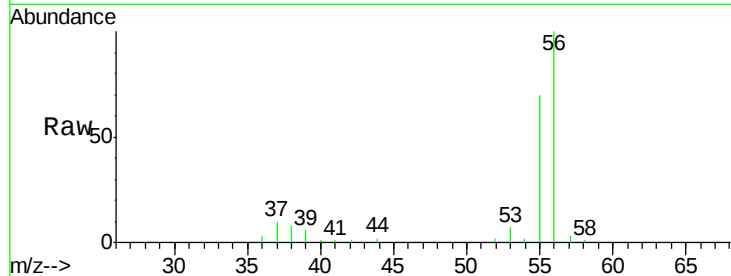
#13
Acrolein
Concen: 255.117 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	114682
Ion Ratio	100	Lower	Upper
55	69.8	55.5	83.3

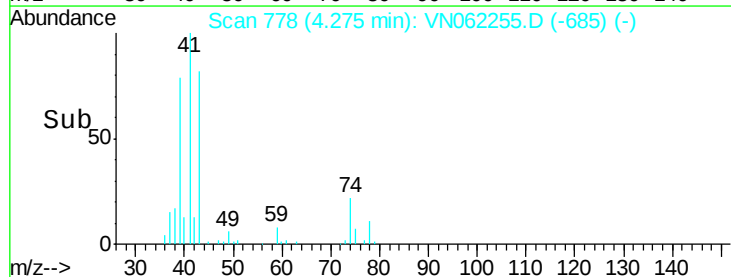
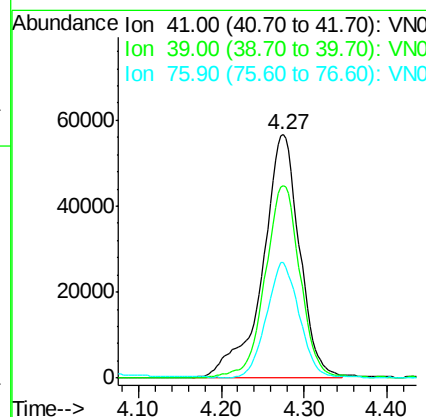
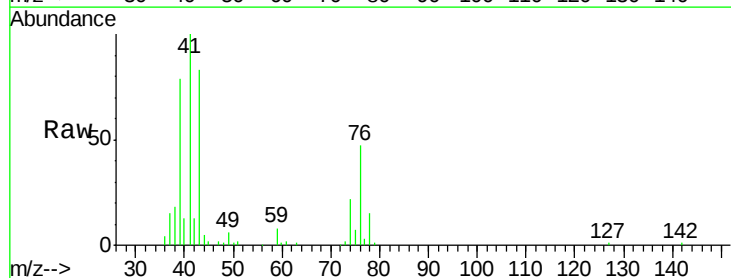
Manual Integrations
APPROVED

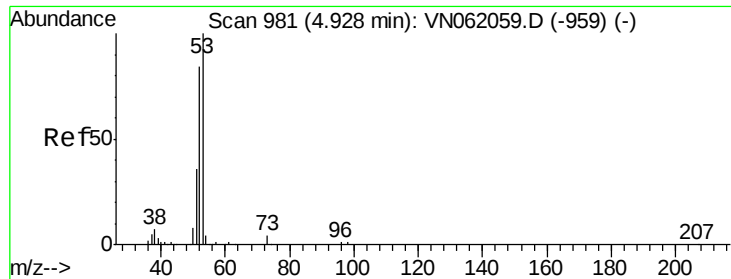
MMDadoda
7/1/2020 10:16:25 AM



#14
Allyl chloride
Concen: 49.665 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	41	Resp	176928
Ion Ratio	100	Lower	Upper
39	74.6	60.0	90.0
76	42.1	34.1	51.1





#15

Acrylonitrile

Concen: 266.307 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Instrument :

MSVOA_N

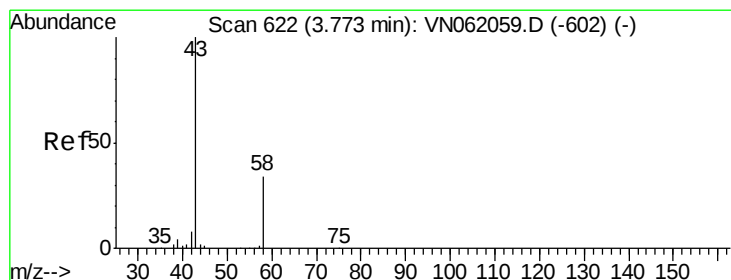
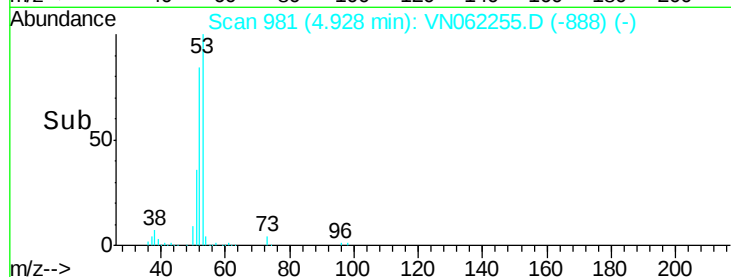
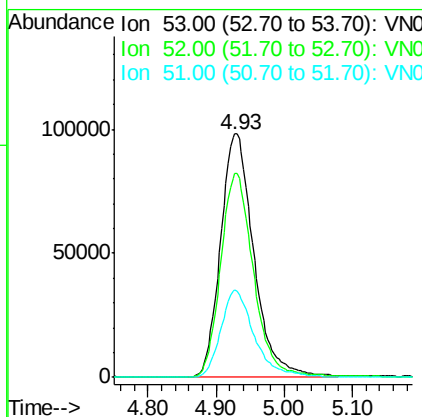
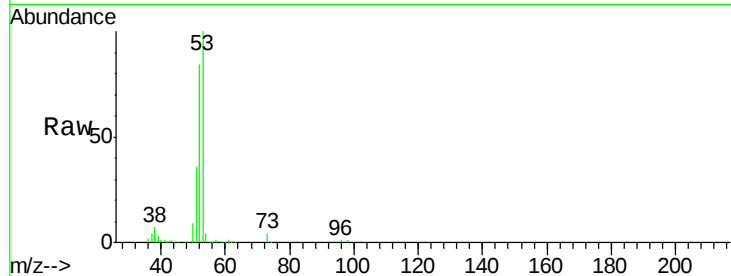
ClientSampled :

VSTDCCC050EC

Tot Ion:	53	Resp:	333198
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.2	99.4
51	35.9	28.9	43.3

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:25 AM



#16

Acetone

Concen: 261.391 ug/l

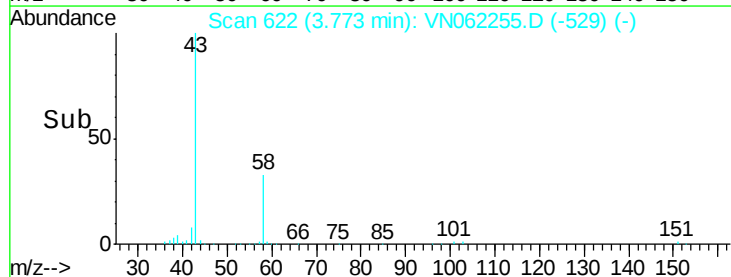
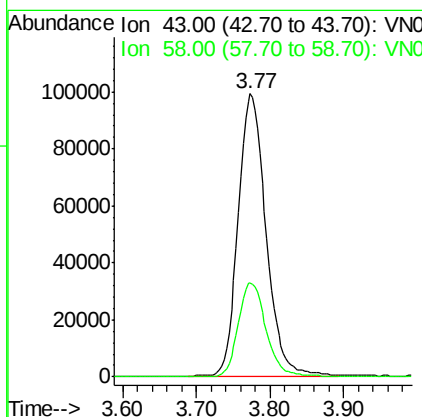
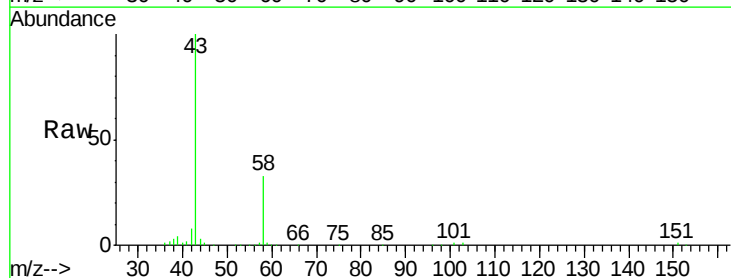
RT: 3.77 min Scan# 622

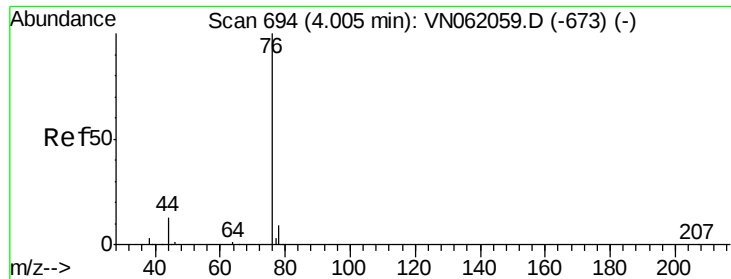
Delta R.T. 0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Tgt Ion:	43	Resp:	262190
Ion Ratio	Lower	Upper	
43	100		
58	33.4	27.5	41.3





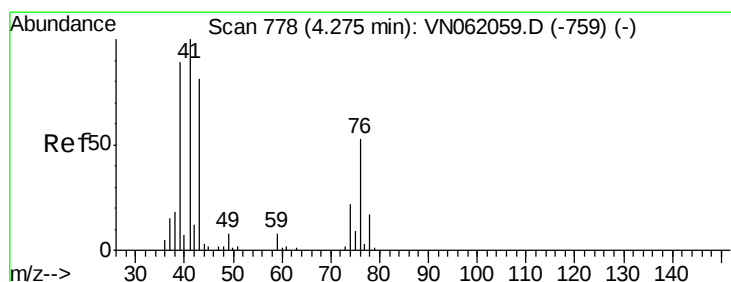
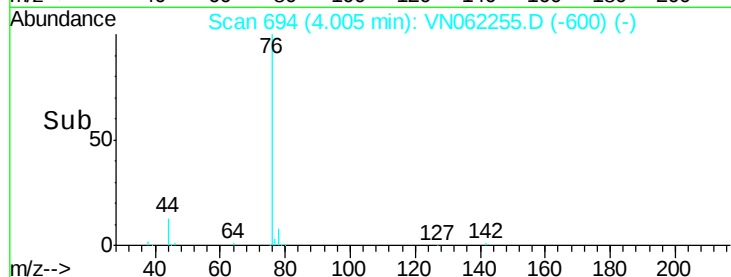
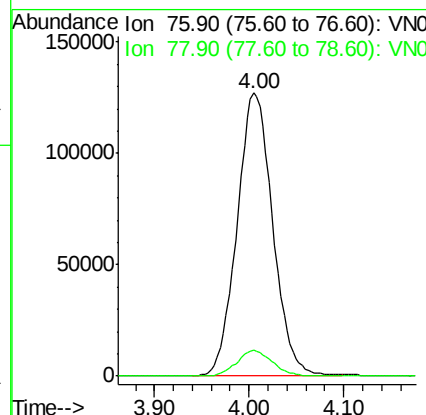
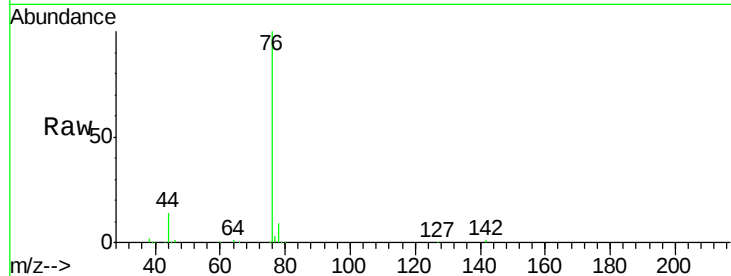
#17
Carbon Disulfide
Concen: 44.535 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

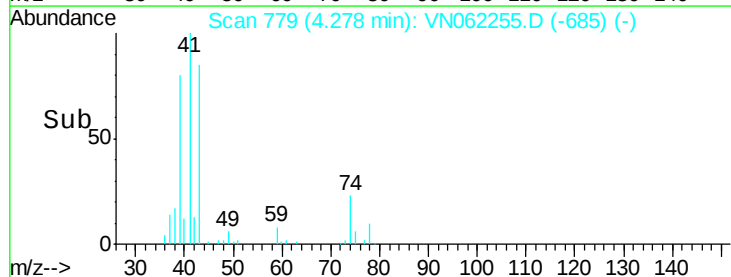
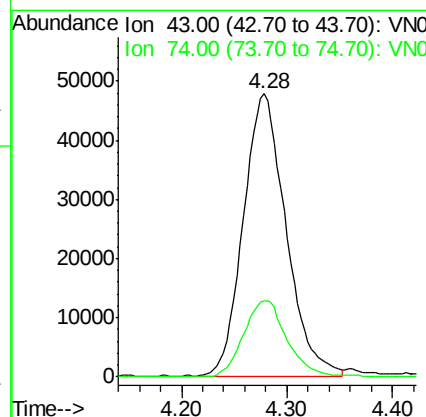
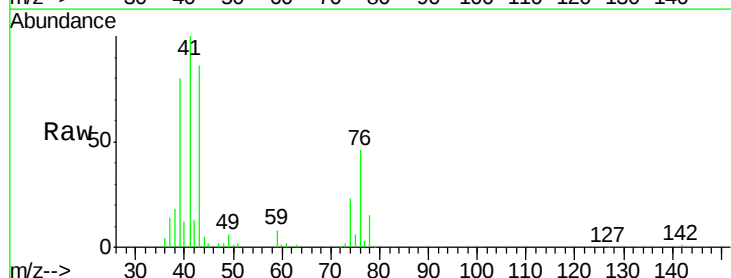
Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:25 AM



#18
Methyl Acetate
Concen: 52.678 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.6	22.9	34.3





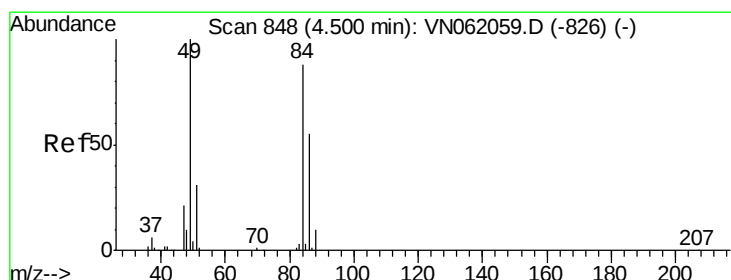
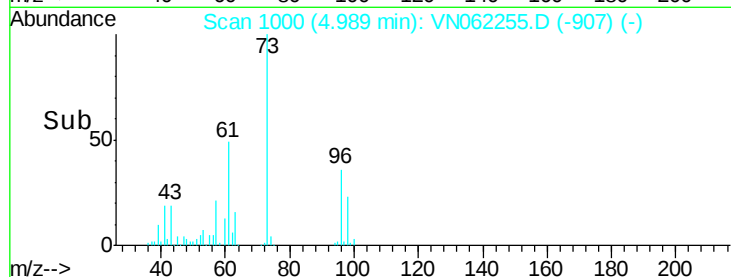
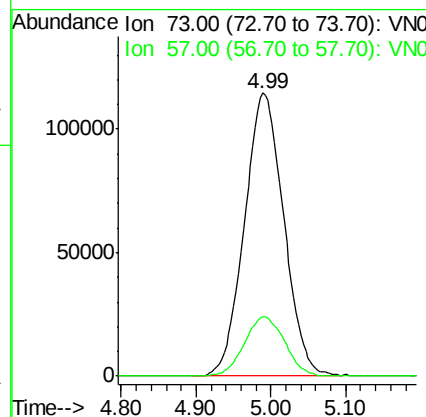
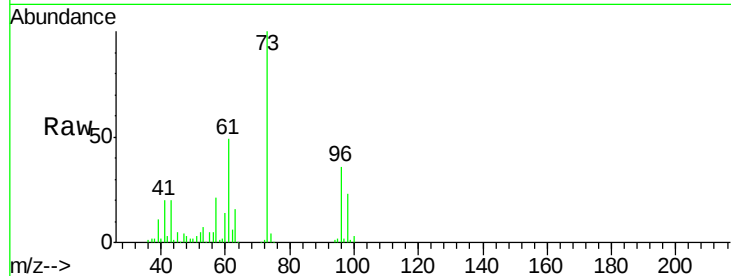
#19
Methvl tert-butvl Ether
Concen: 50.134 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	16.6	24.8

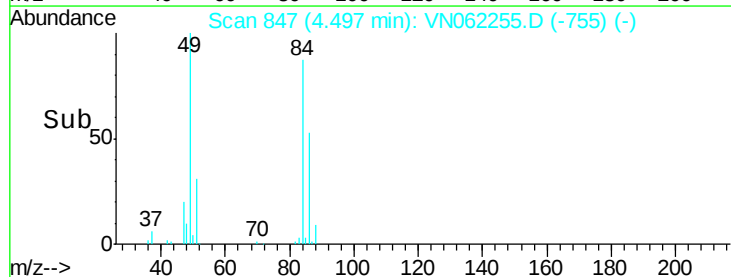
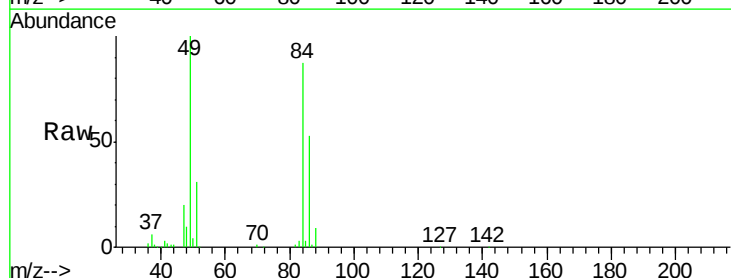
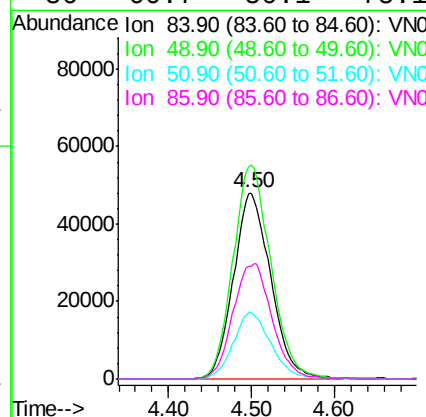
Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:25 AM



#20
Methylene Chloride
Concen: 51.190 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.6	90.6	136.0
51	35.7	27.8	41.8
86	60.7	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 45.002 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Instrument :

MSVOA_N

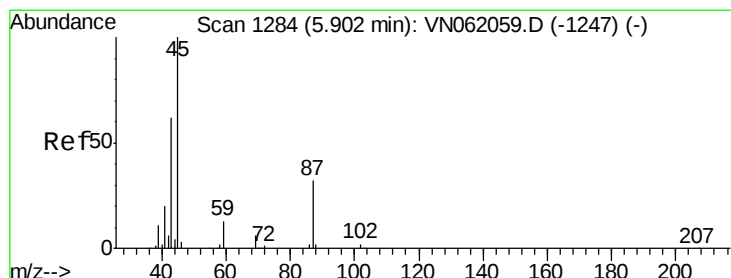
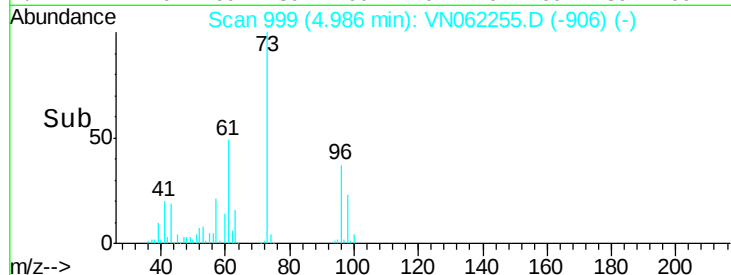
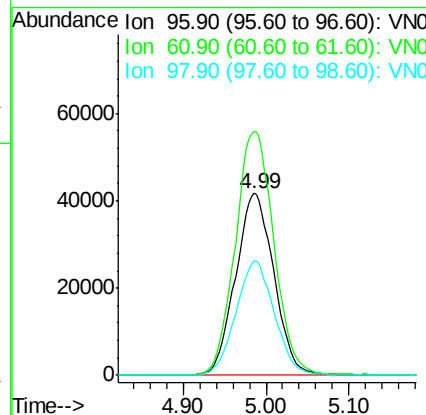
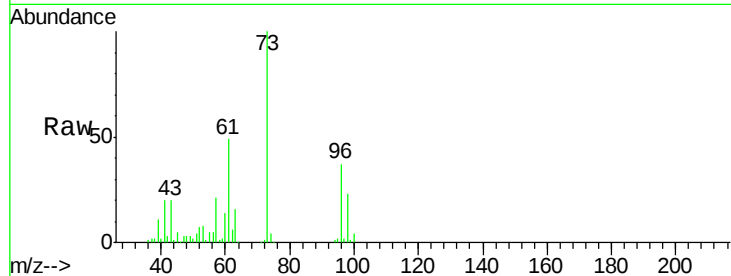
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	134141
Ion	Ratio	Lower	Upper
96	100		
61	133.8	101.4	152.2
98	62.7	49.3	73.9

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:25 AM



#22

Diisopropyl ether

Concen: 51.262 ug/l

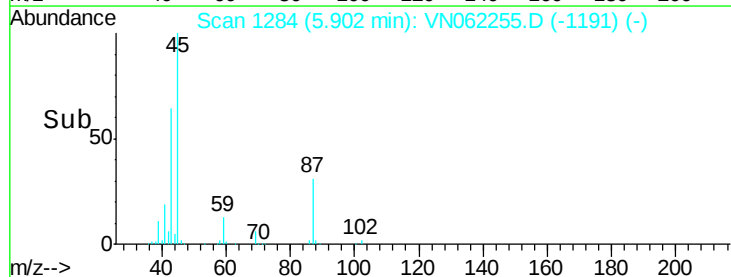
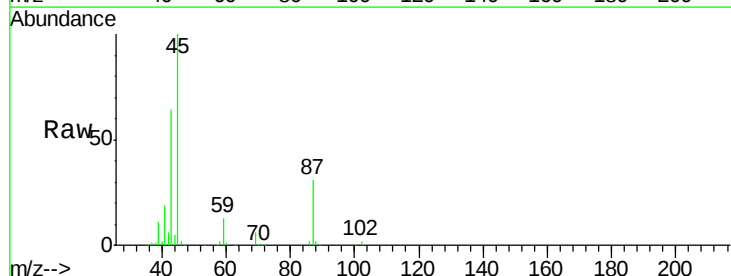
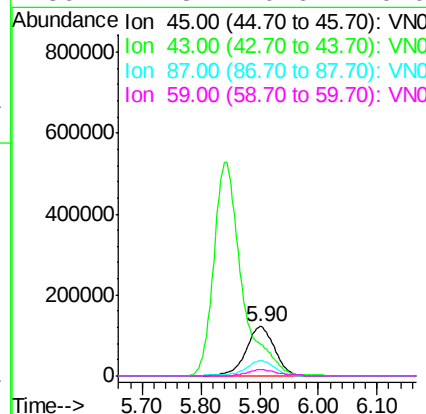
RT: 5.90 min Scan# 1284

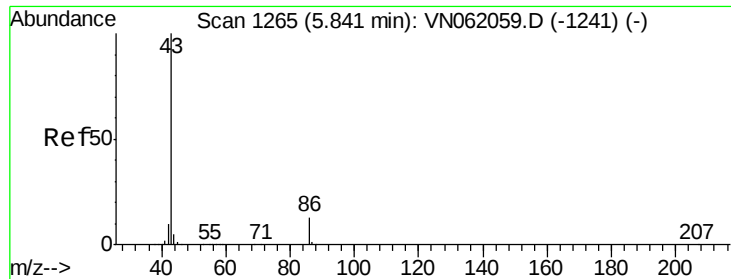
Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Tgt Ion:	45	Resp:	415798
Ion	Ratio	Lower	Upper
45	100		
43	62.6	49.7	74.5
87	31.3	25.9	38.9
59	12.8	10.6	16.0





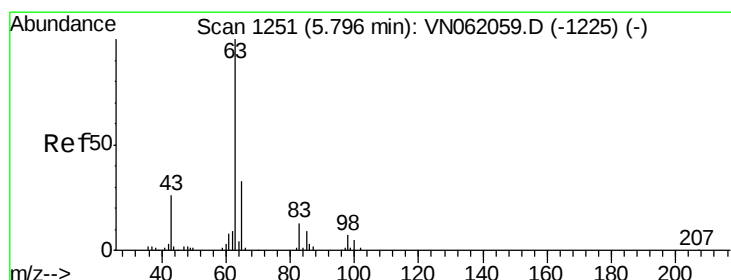
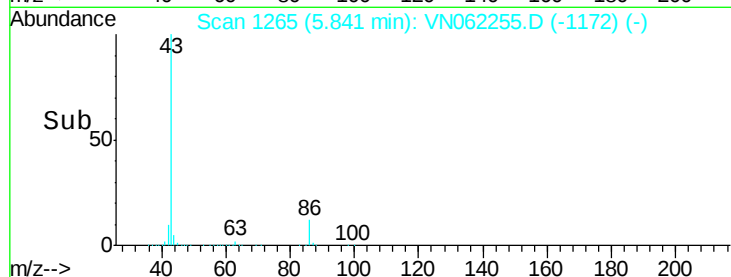
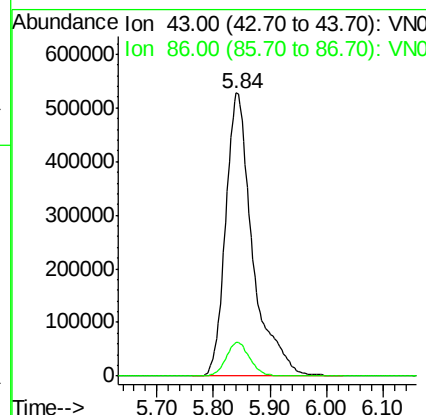
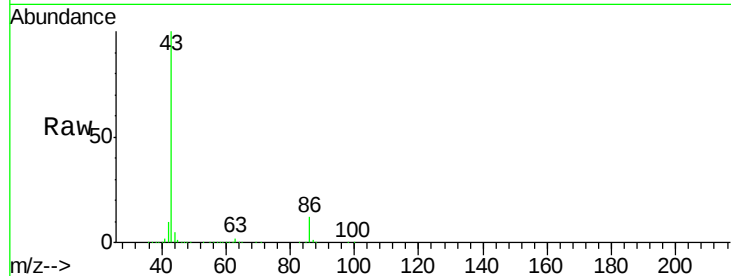
#23
 Vinyl Acetate
 Concen: 264.989 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1754866
 Ion Ratio Lower Upper
 43 100
 86 11.8 10.1 15.1

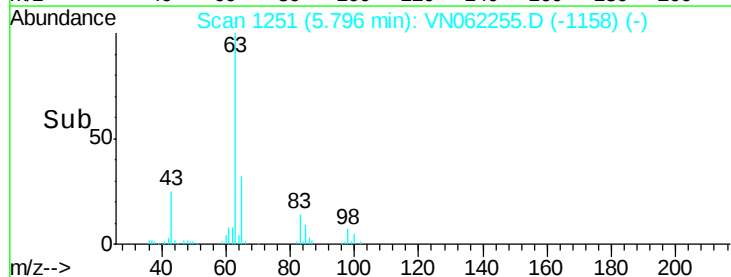
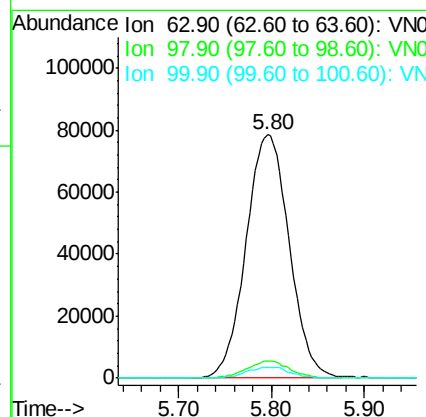
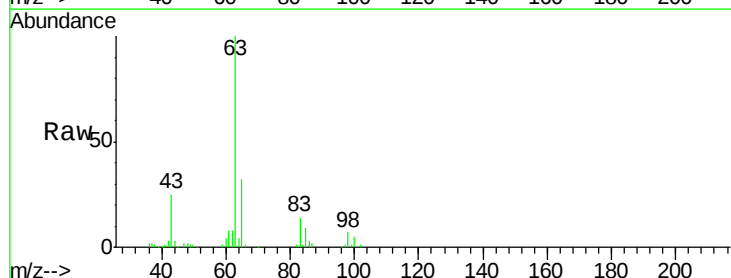
Manual Integrations
 APPROVED

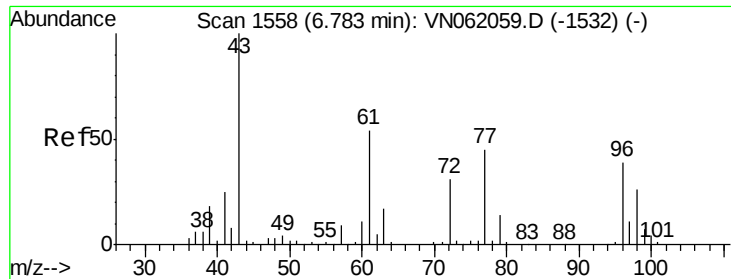
MMDadoda
 7/1/2020 10:16:25 AM



#24
 1,1-Dichloroethane
 Concen: 48.759 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Tgt Ion: 63 Resp: 254677
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.6 10.9
 100 4.6 2.4 7.1





#25

2-Butanone

Concen: 265.569 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 415104

Ion Ratio Lower Upper

43 100

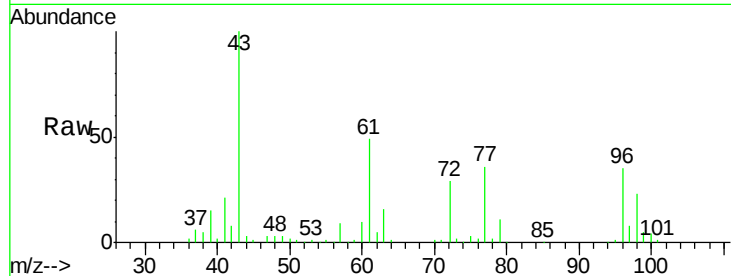
72 29.5 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

7/1/2020 10:16:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

150000

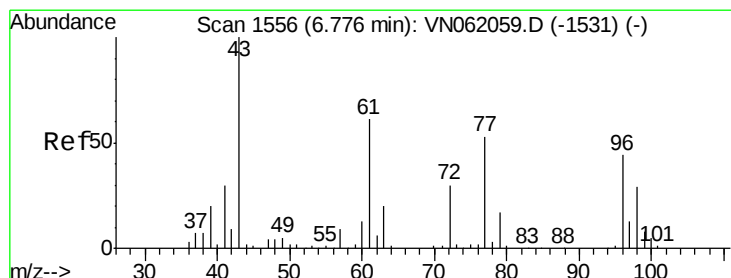
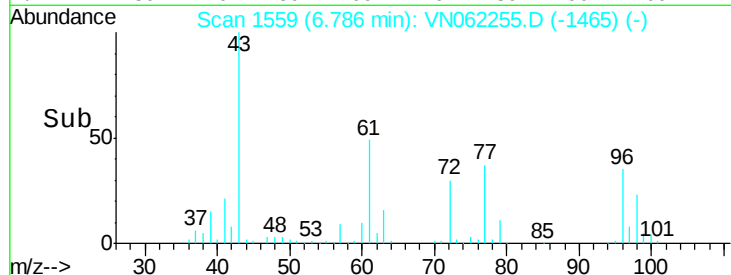
100000

50000

0

6.65 6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 43.656 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062255.D

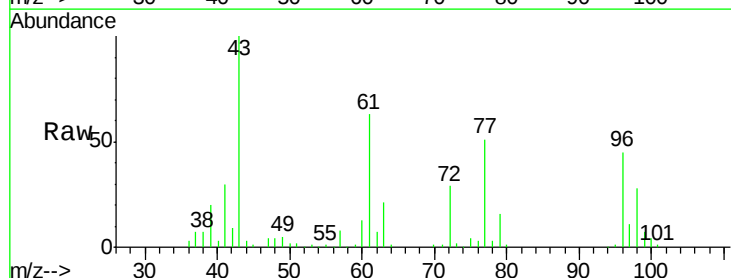
Acq: 30 Jun 2020 21:28

Tgt Ion: 77 Resp: 190015

Ion Ratio Lower Upper

77 100

97 22.5 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

60000

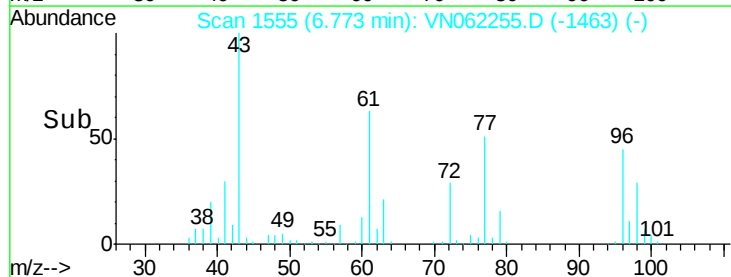
40000

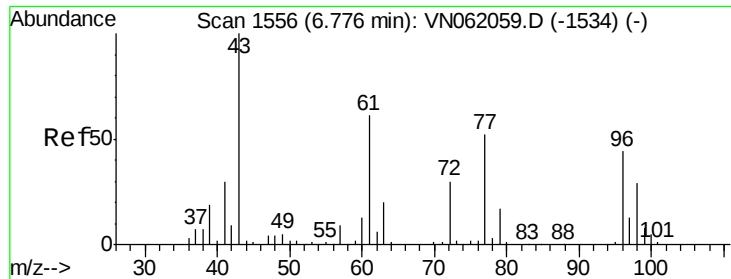
20000

0

6.70 6.80 6.90

Time-->





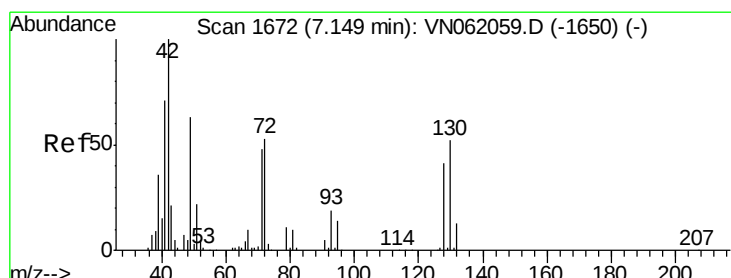
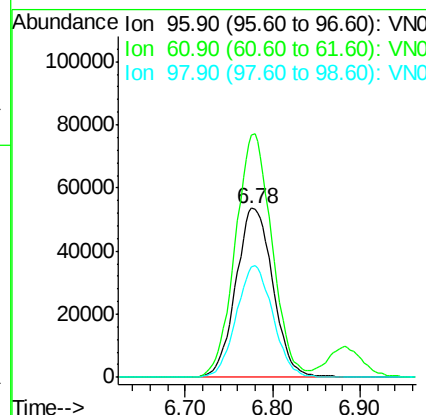
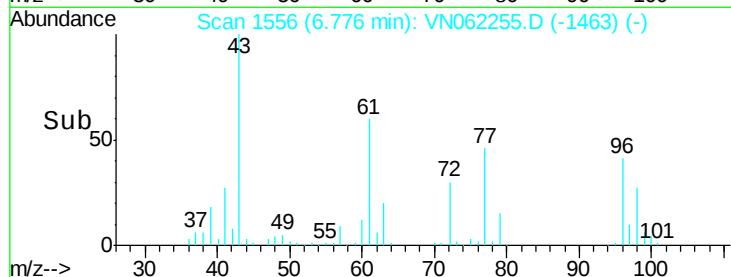
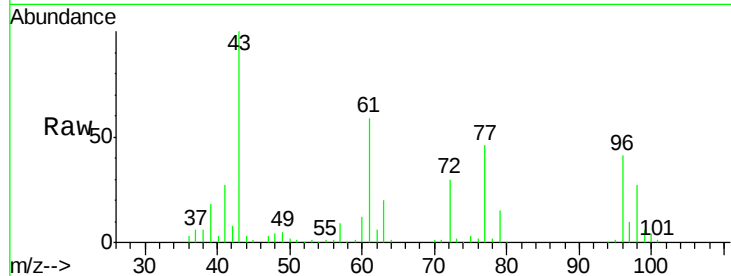
#27
 cis-1,2-Dichloroethene
 Concen: 46.923 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	157388		
61	142.3	0.0	280.4	
98	65.0	0.0	129.4	

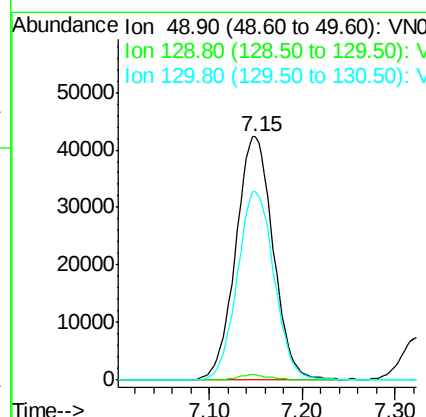
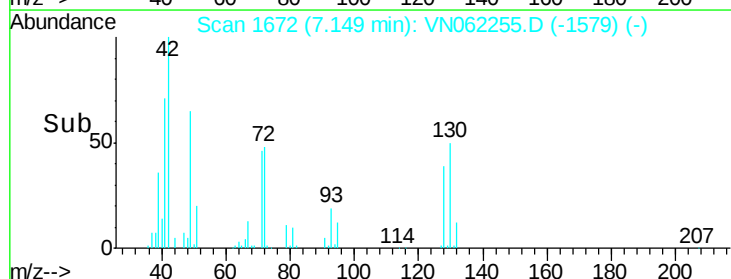
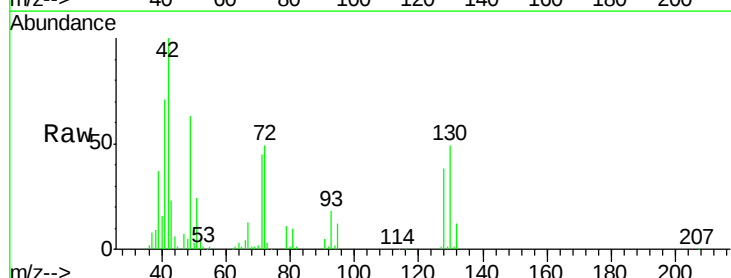
Manual Integrations
 APPROVED

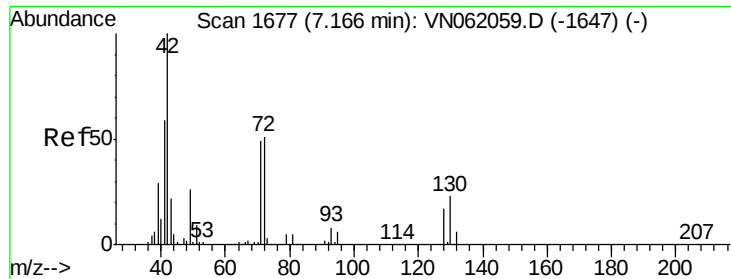
MMDadoda
 7/1/2020 10:16:25 AM



#28
 Bromochloromethane
 Concen: 52.236 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	118379		
129	1.8	0.0	4.4	
130	76.4	65.5	98.3	





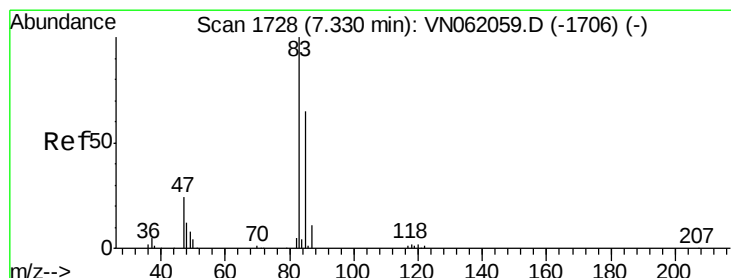
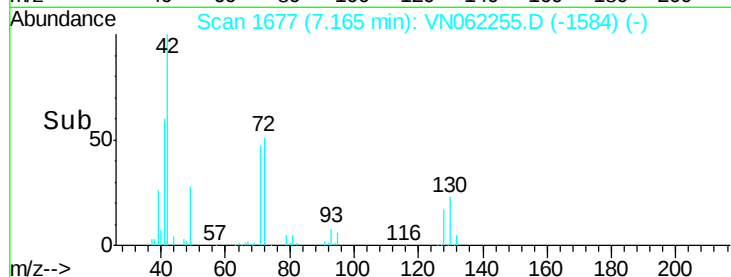
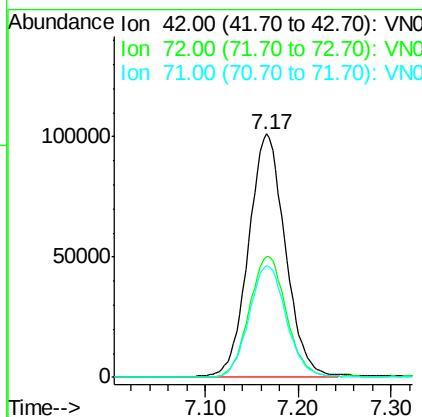
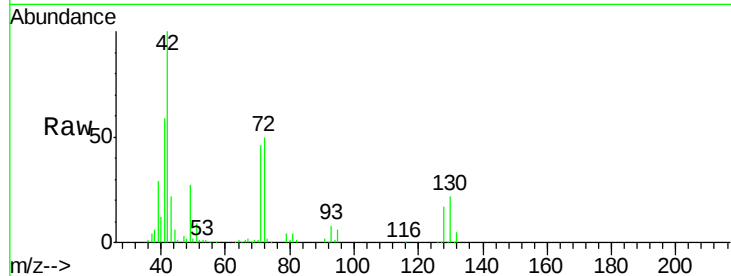
#29
Tetrahydrofuran
Concen: 272.708 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.2	41.1	61.7
71	46.5	38.2	57.4

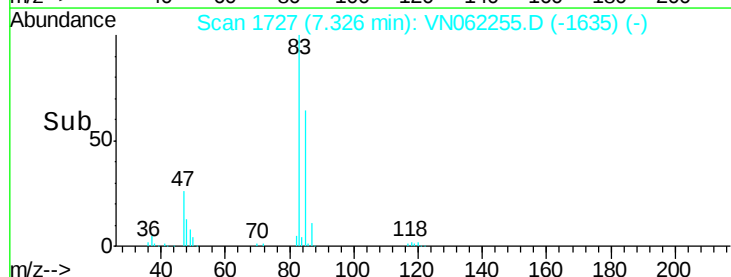
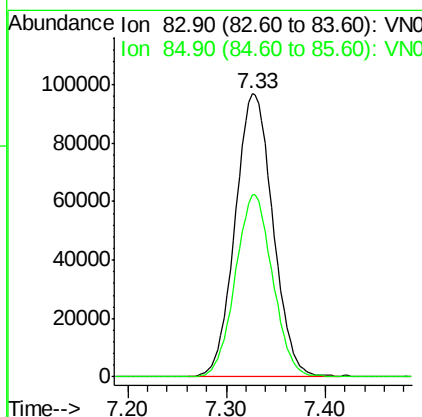
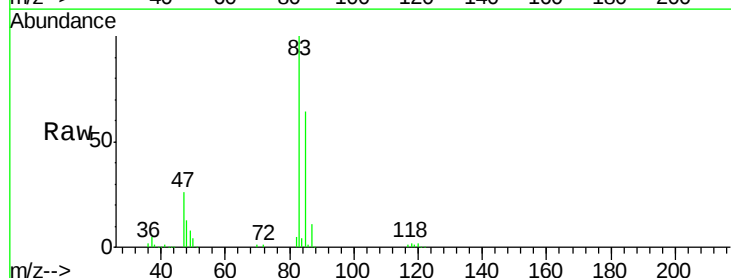
Manual Integrations
APPROVED

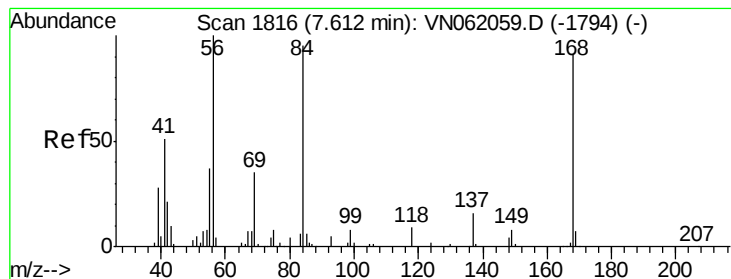
MMDadoda
7/1/2020 10:16:25 AM



#30
Chloroform
Concen: 48.412 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.3	78.5





#31

Cyclohexane

Concen: 46.613 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Instrument :

MSVOA_N

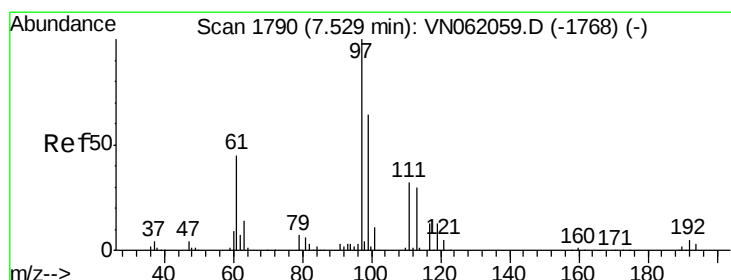
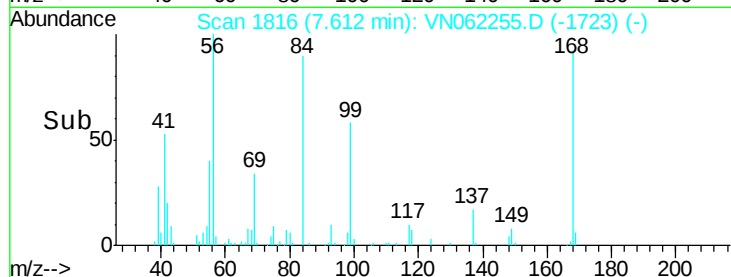
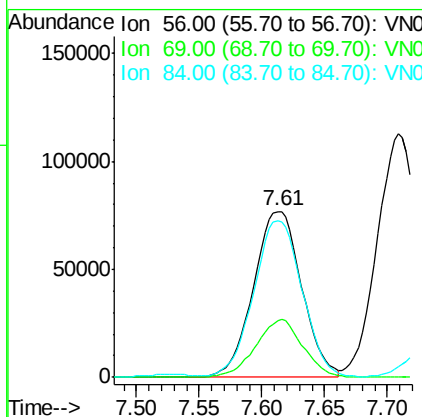
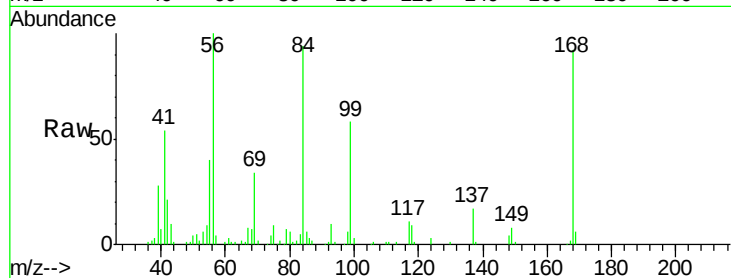
ClientSampled :

VSTDCCC050EC

Tot Ion:	56	Resp:	205943
Ion Ratio	Lower	Upper	
56	100		
69	34.0	28.0	42.0
84	92.7	76.1	114.1

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:25 AM



#32

1,1,1-Trichloroethane

Concen: 47.298 ug/l

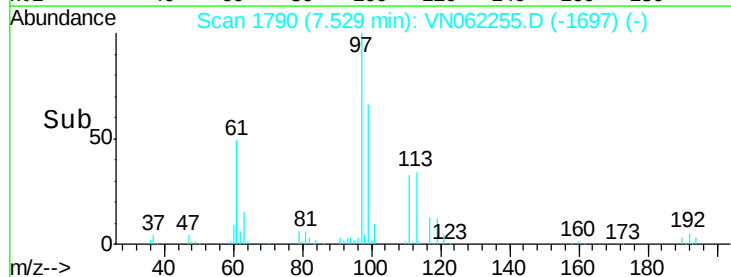
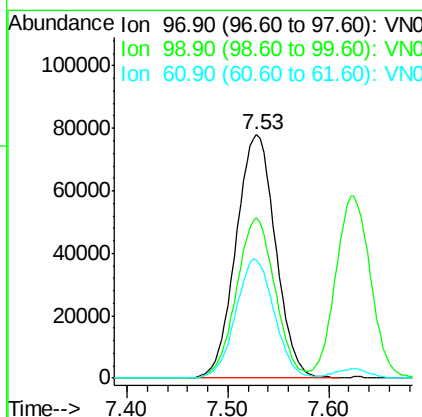
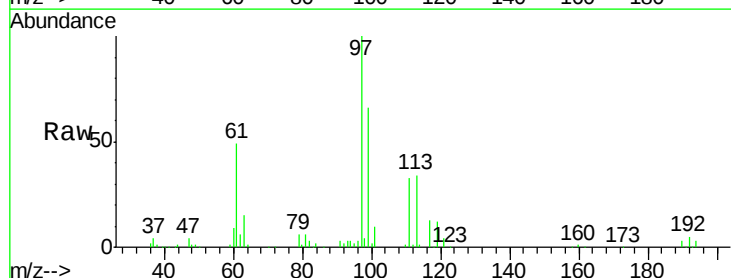
RT: 7.53 min Scan# 1790

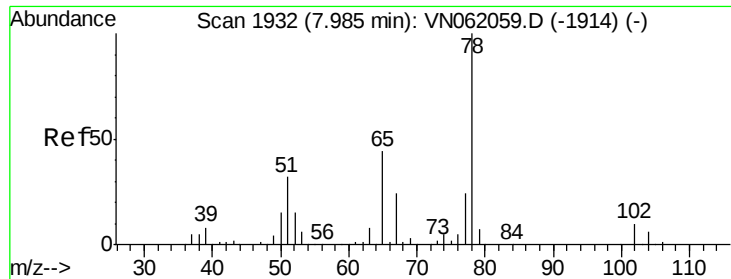
Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Tgt Ion:	97	Resp:	211972
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.0	76.4
61	47.7	36.2	54.2





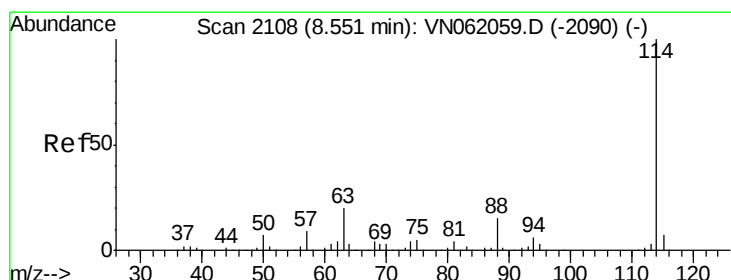
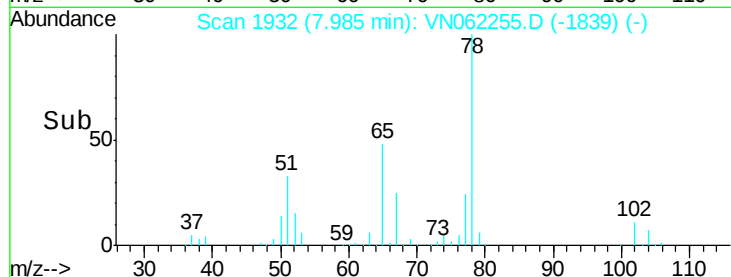
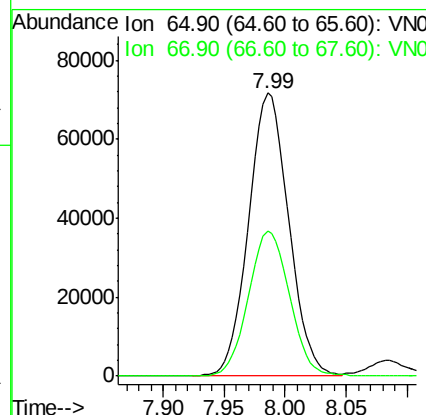
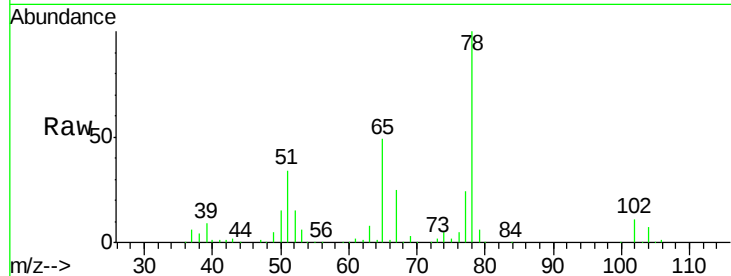
#33
 1,2-Dichloroethane-d4
 Concen: 51.126 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	163495		
67	52.4	0.0	106.2	

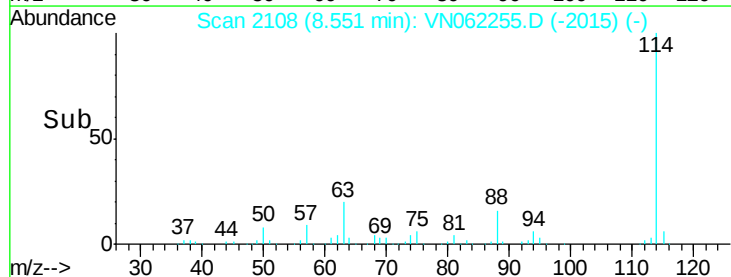
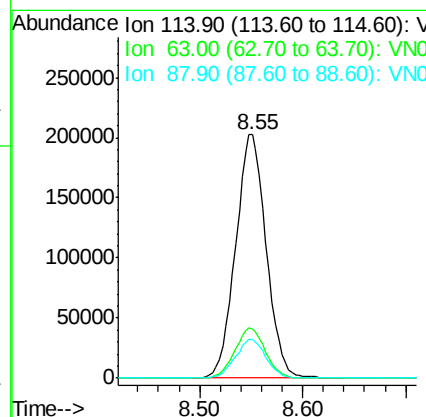
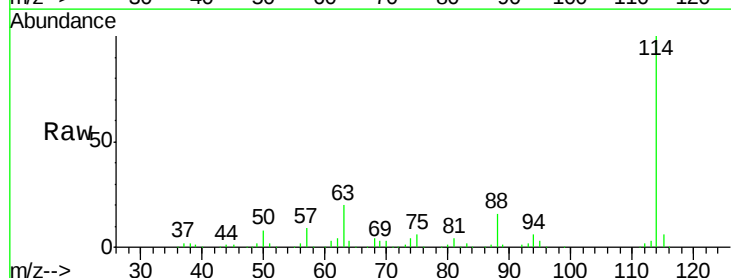
Manual Integrations
 APPROVED

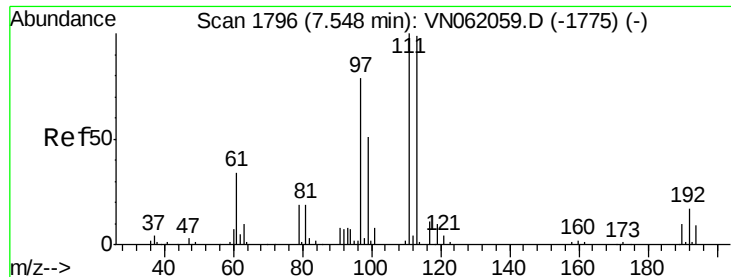
MMDadoda
 7/1/2020 10:16:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	417743		
63	20.4	0.0	39.2	
88	15.9	0.0	30.8	





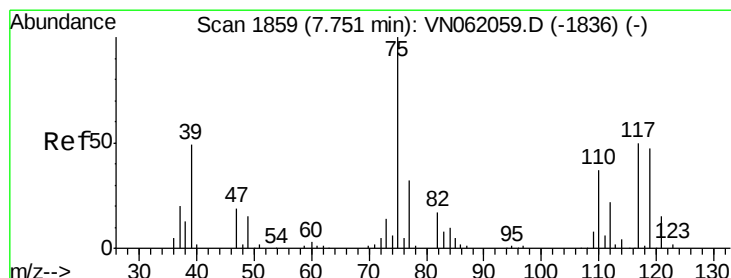
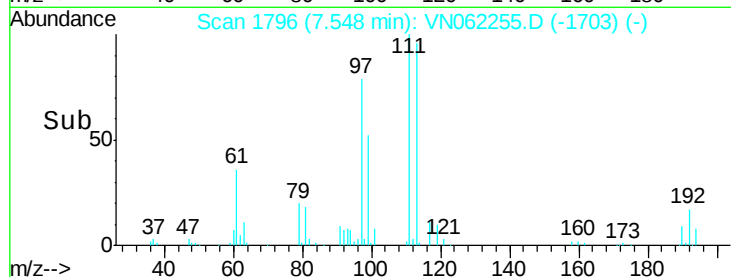
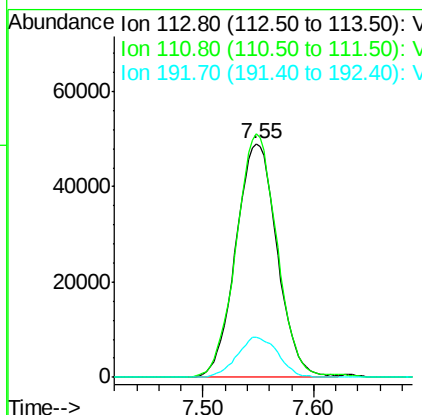
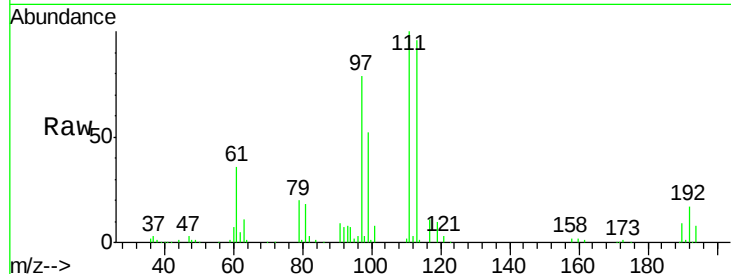
#35
 Dibromofluoromethane
 Concen: 47.544 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127420		
111	103.0	82.2	123.4	
192	17.0	14.0	21.0	

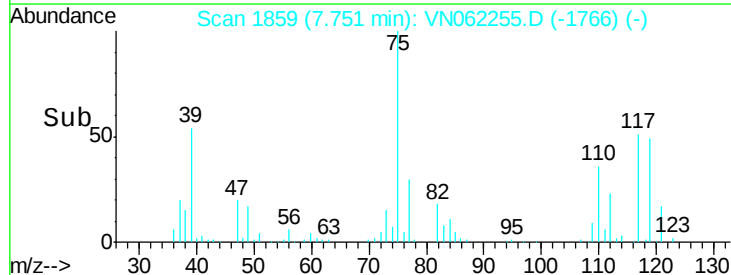
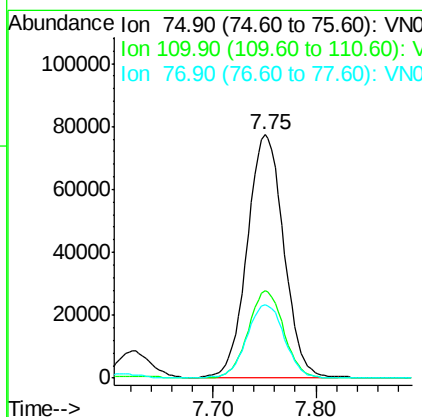
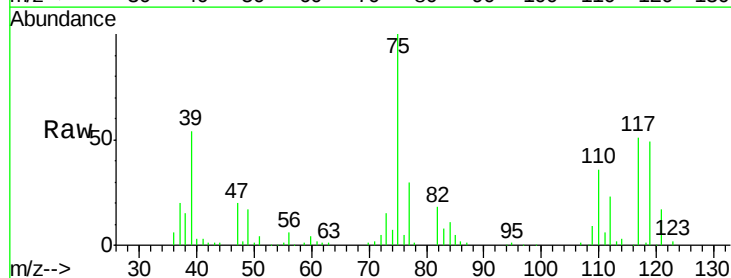
Manual Integrations
 APPROVED

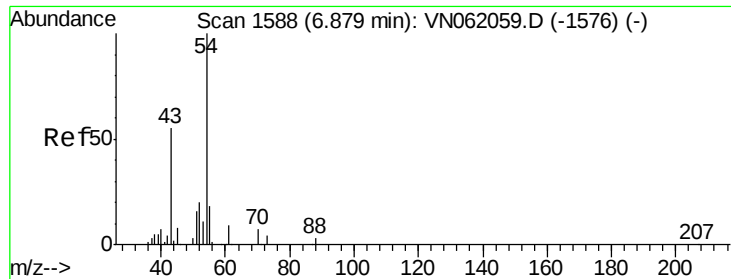
MMDadoda
 7/1/2020 10:16:25 AM



#36
 1,1-Dichloropropene
 Concen: 44.983 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	188880		
110	35.1	17.9	53.8	
77	31.3	24.9	37.3	





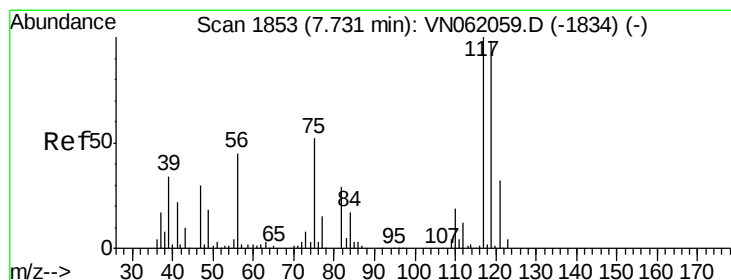
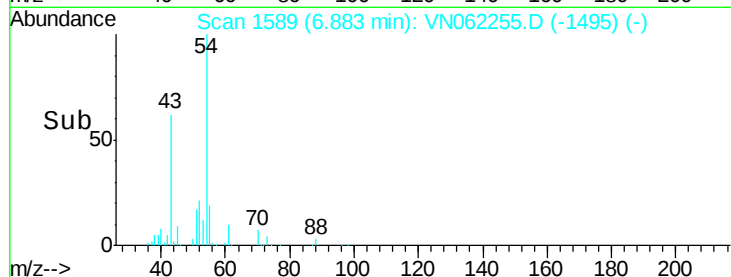
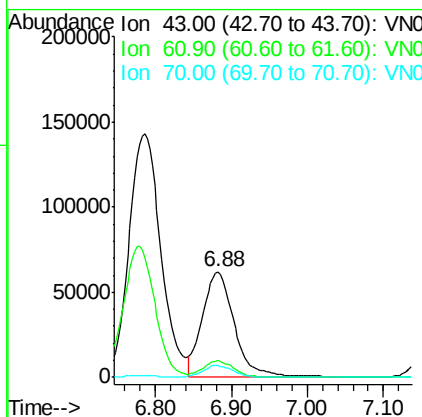
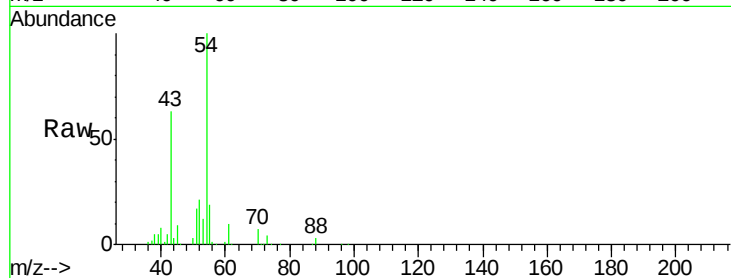
#37
Ethyl Acetate
Concen: 51.643 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.0	18.0
70	10.9	9.6	14.4

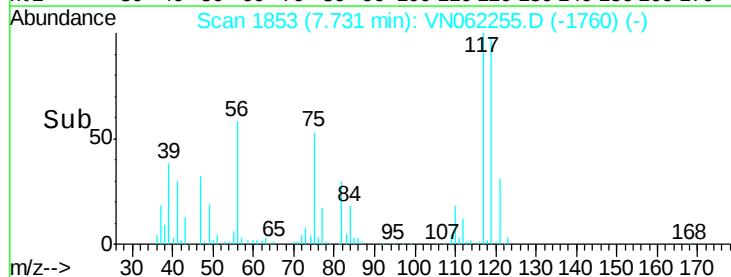
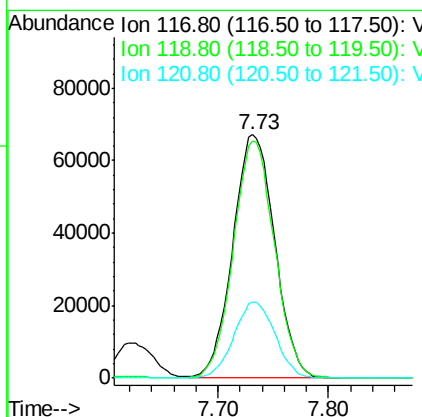
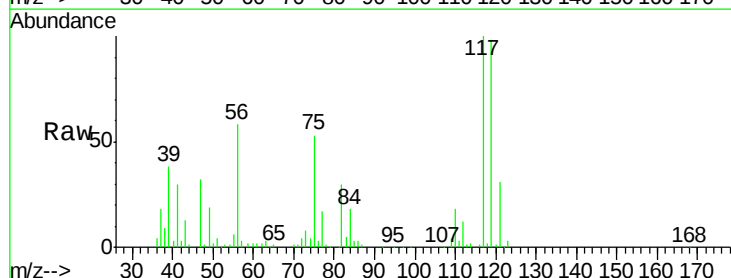
Manual Integrations
APPROVED

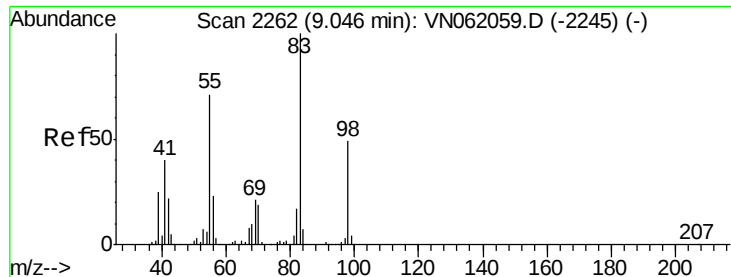
MMDadoda
7/1/2020 10:16:25 AM



#38
Carbon Tetrachloride
Concen: 44.625 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	78.2	117.2
121	31.4	25.8	38.6





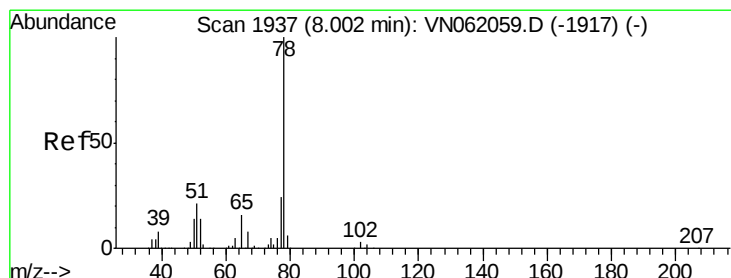
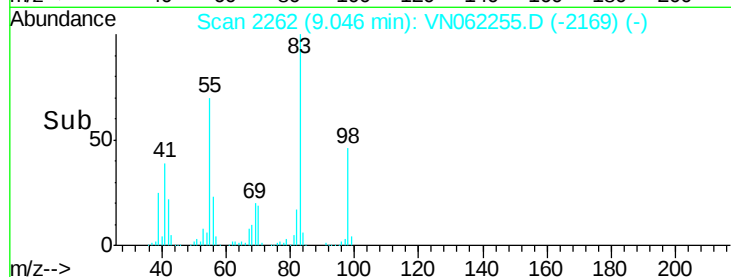
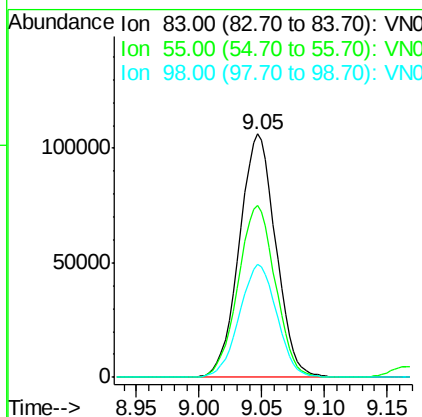
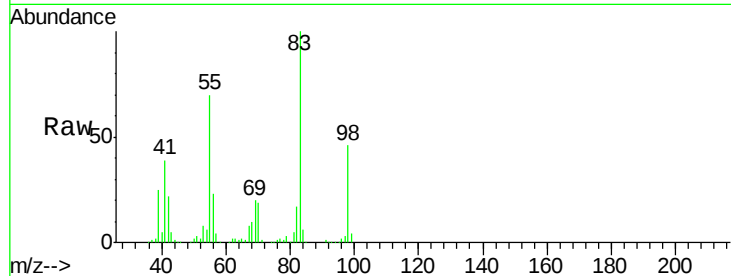
#39
Methvlcvclohexane
Concen: 46.815 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.4	57.0	85.6
98	46.3	39.0	58.6

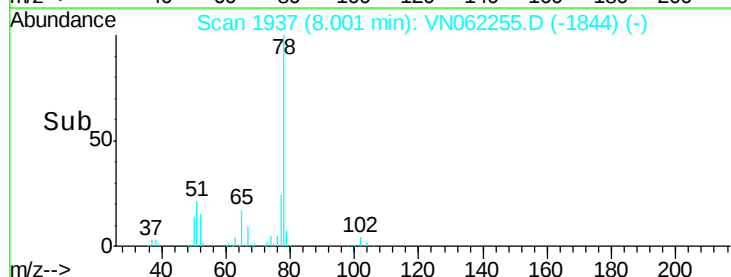
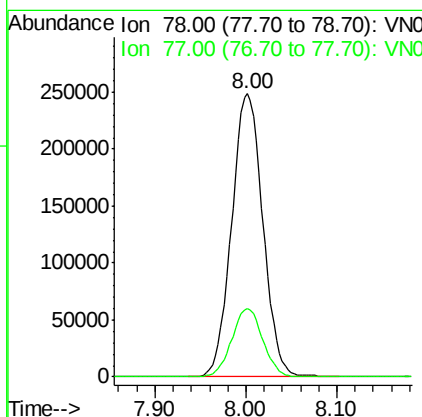
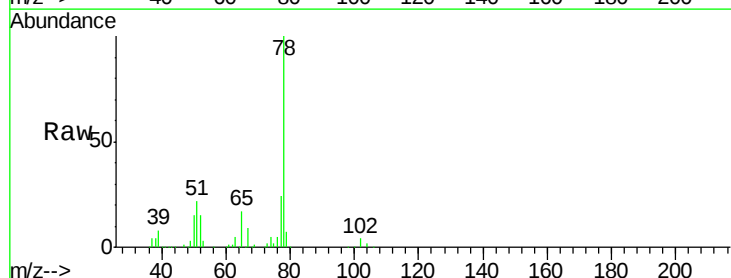
Manual Integrations
APPROVED

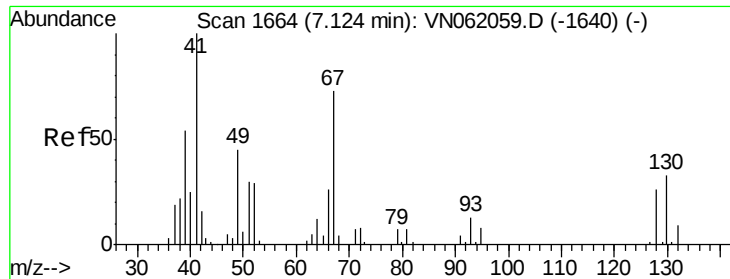
MMDadoda
7/1/2020 10:16:25 AM



#40
Benzene
Concen: 46.217 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.5	29.3





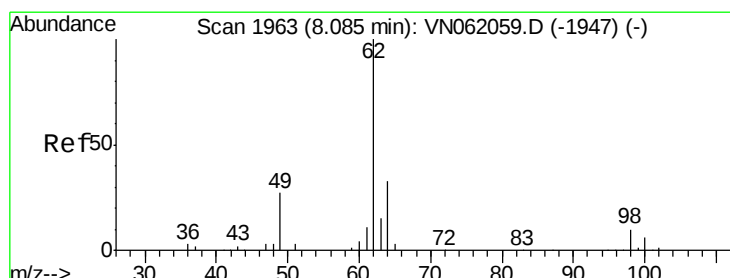
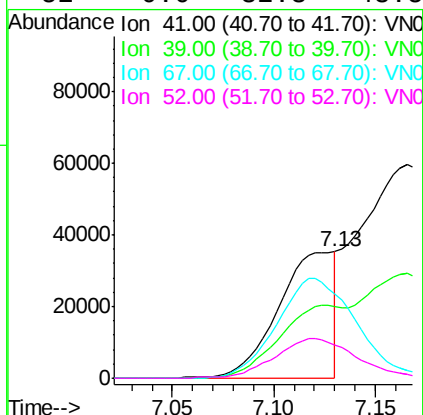
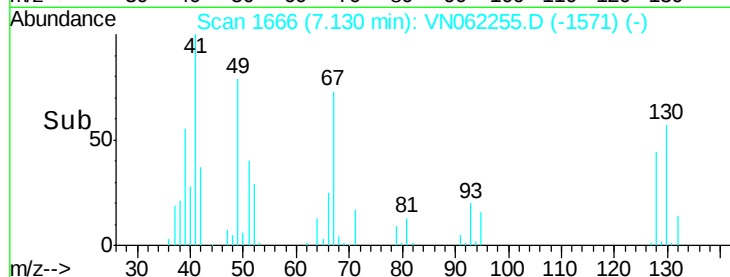
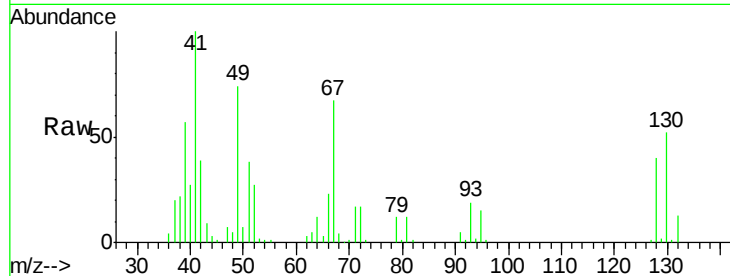
#41
Methacrylonitrile
Concen: 42.845 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.2	66.2#
67	0.0	79.5	119.3#
52	0.0	32.3	48.5#

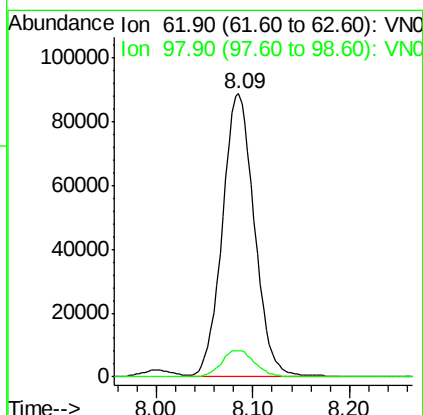
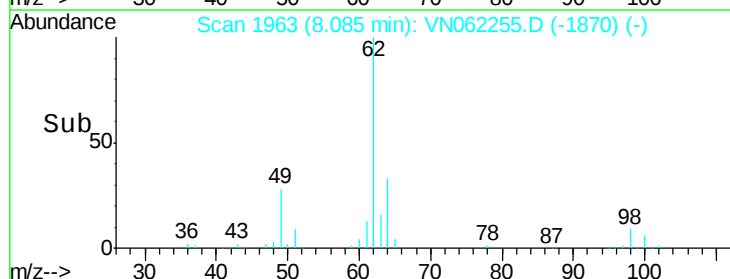
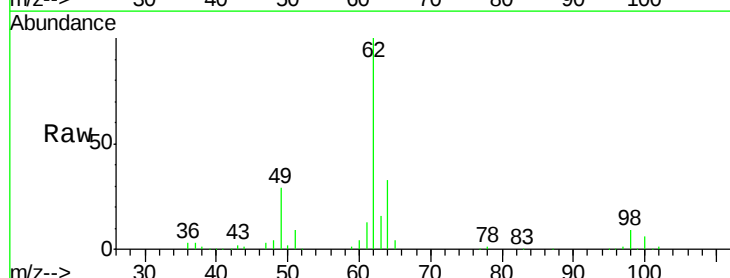
Manual Integrations
APPROVED

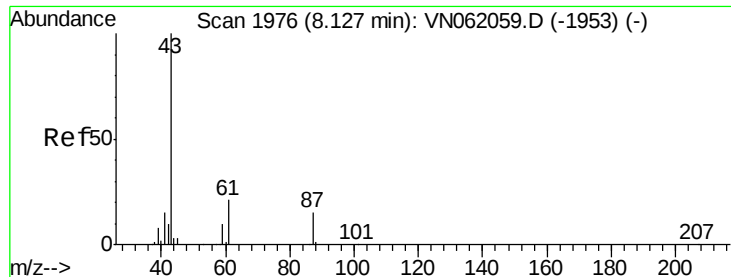
MMDadoda
7/1/2020 10:16:25 AM



#42
1,2-Dichloroethane
Concen: 47.170 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.8





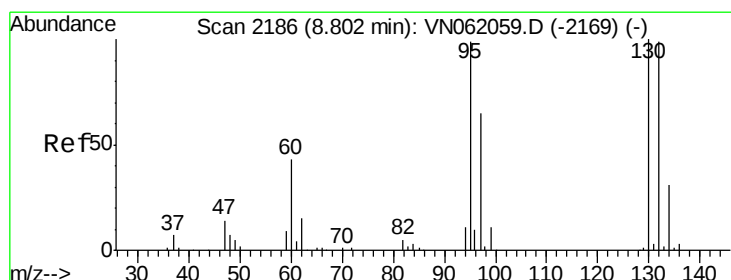
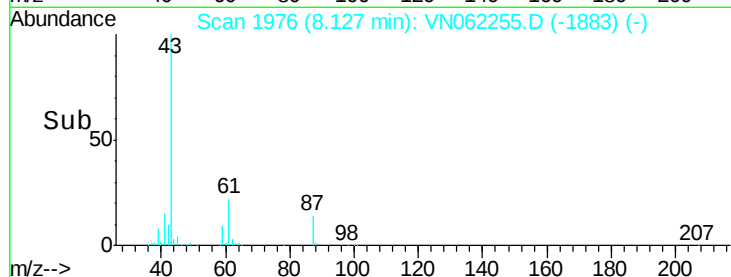
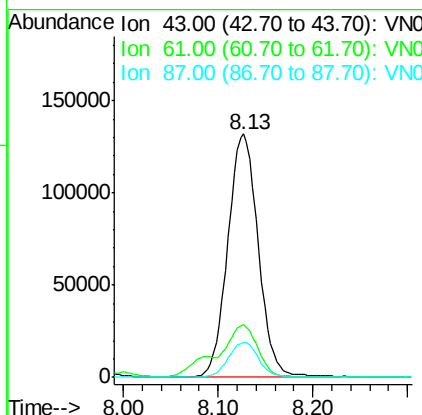
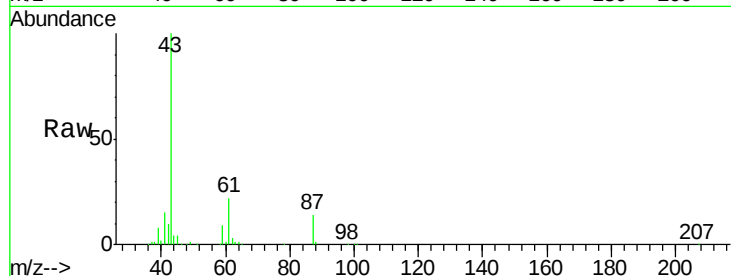
#43
Isopropyl Acetate
Concen: 51.758 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	17.2	25.8
87	14.3	12.1	18.1

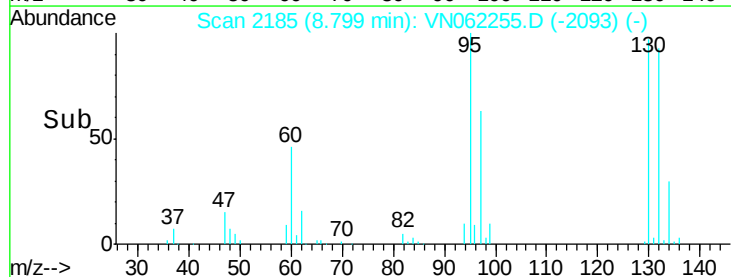
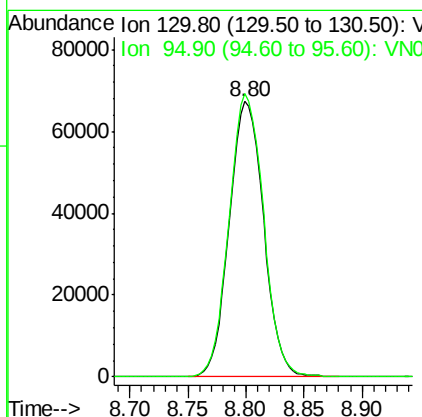
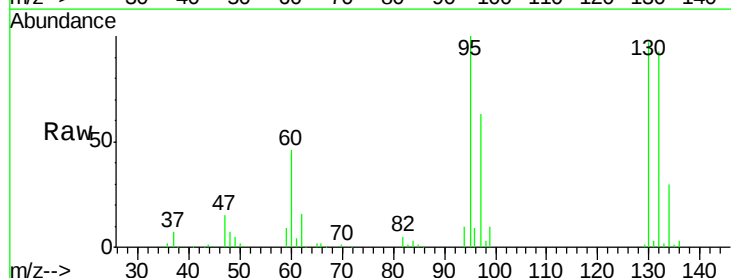
Manual Integrations
APPROVED

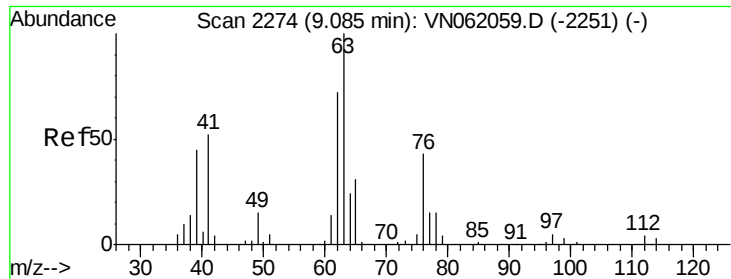
MMDadoda
7/1/2020 10:16:25 AM



#44
Trichloroethene
Concen: 42.860 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	197.8





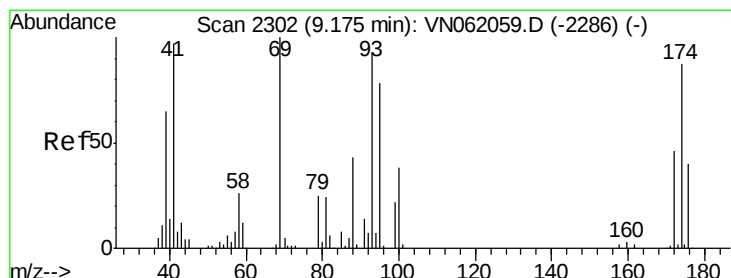
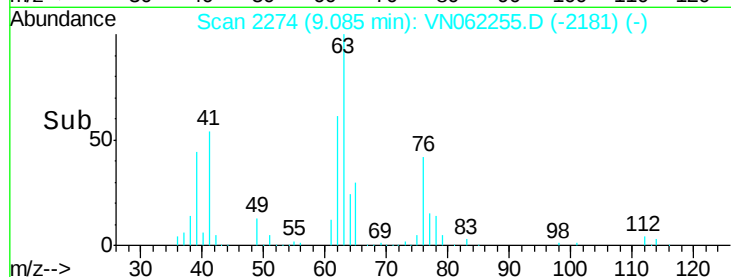
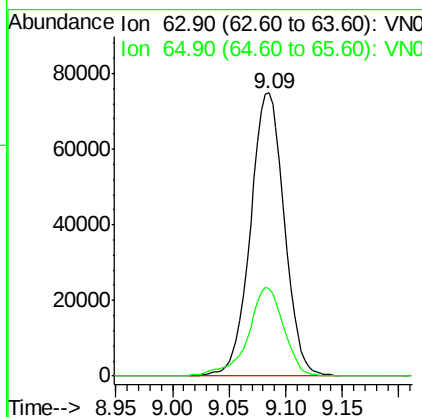
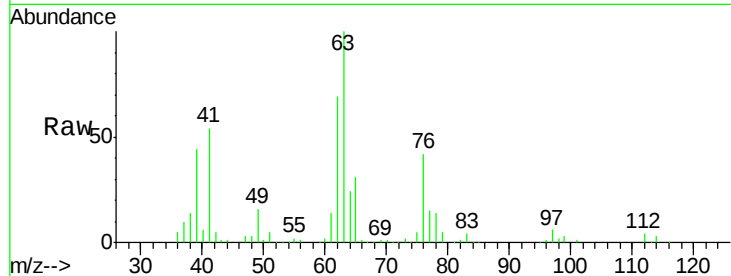
#45
 1,2-Dichloropropane
 Concen: 49.396 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 155962
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4

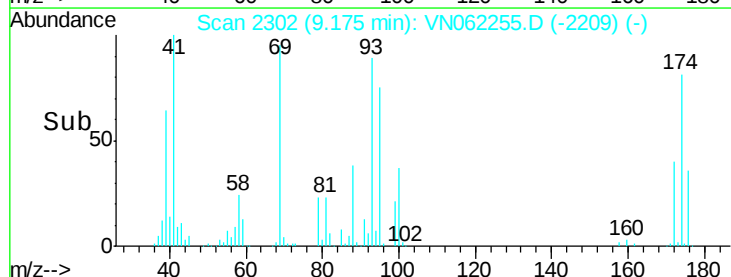
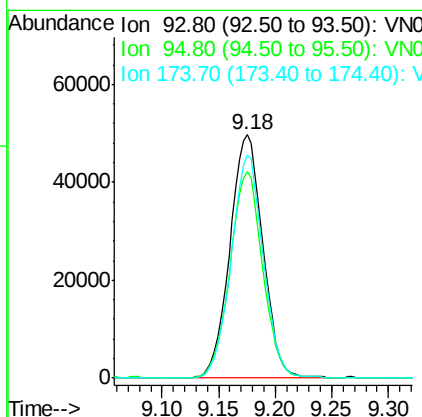
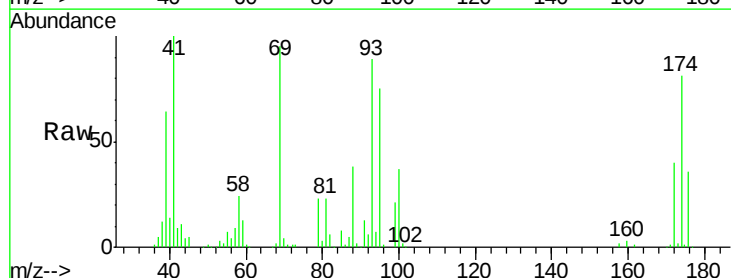
Manual Integrations
 APPROVED

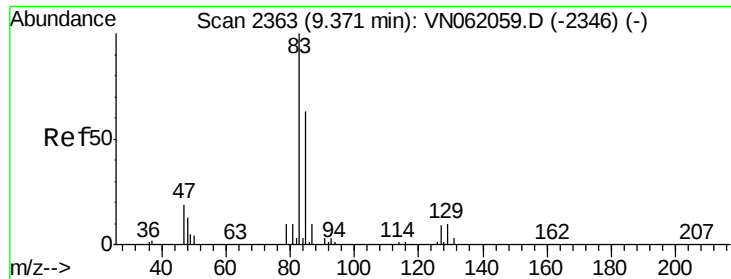
MMDadoda
 7/1/2020 10:16:25 AM



#46
 Dibromomethane
 Concen: 47.081 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Tgt Ion: 93 Resp: 100787
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.0 100.6
 174 89.4 74.4 111.6





#47

Bromodichloromethane

Concen: 48.123 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Instrument :

MSVOA_N

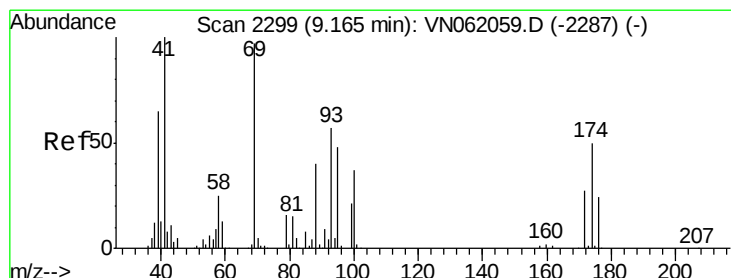
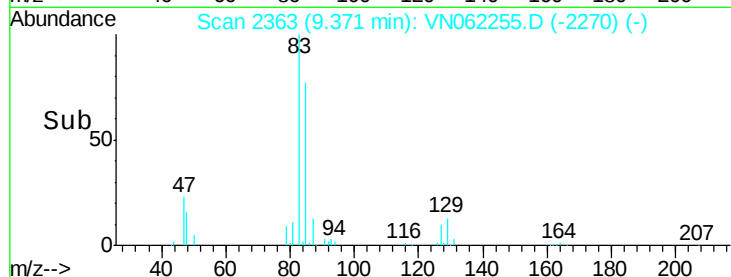
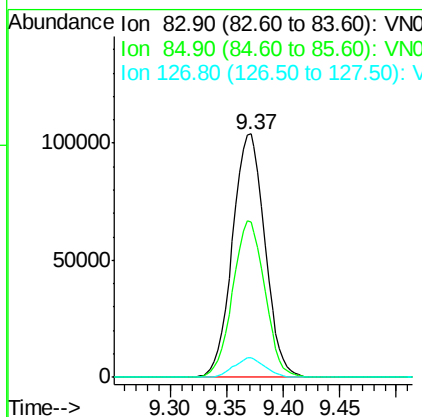
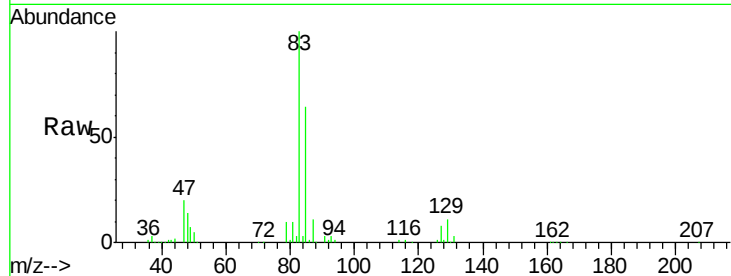
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	208009
Ion Ratio	Lower	Upper	
83	100		
85	63.8	50.3	75.5
127	8.1	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:25 AM



#48

Methyl methacrylate

Concen: 54.162 ug/l

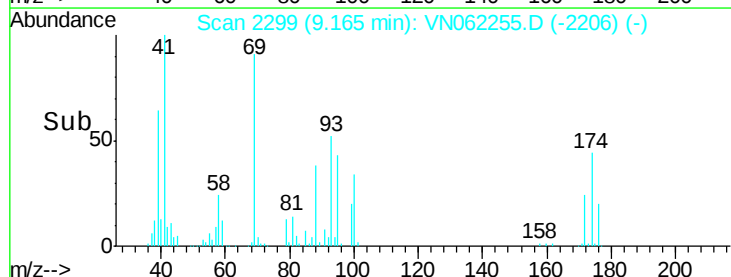
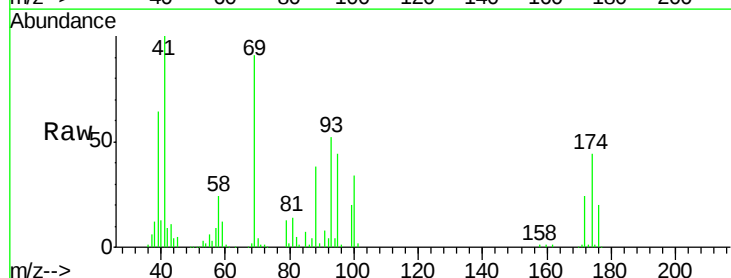
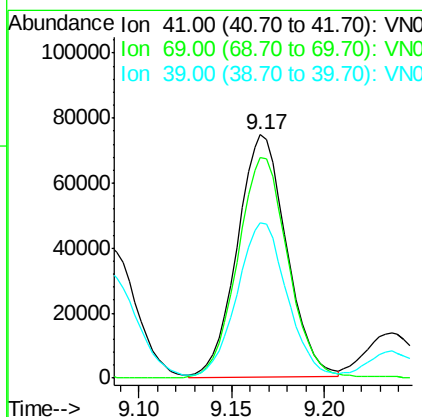
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Tgt Ion:	41	Resp:	137647
Ion Ratio	Lower	Upper	
41	100		
69	93.4	80.7	121.1
39	65.1	54.5	81.7





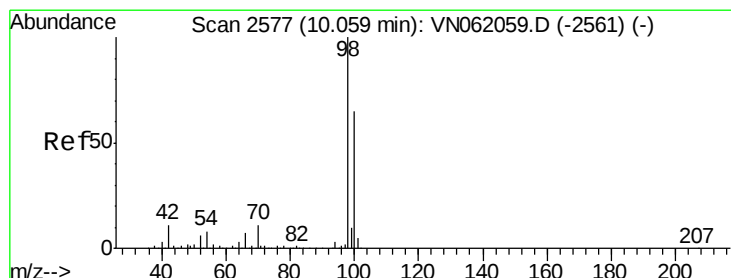
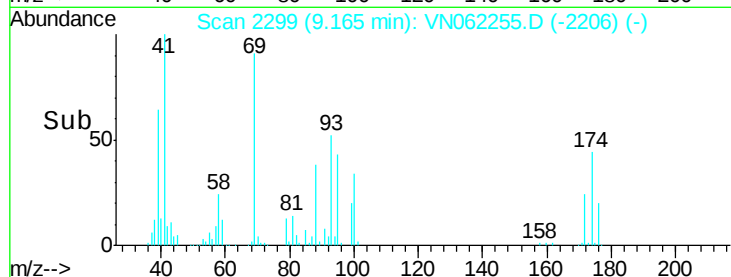
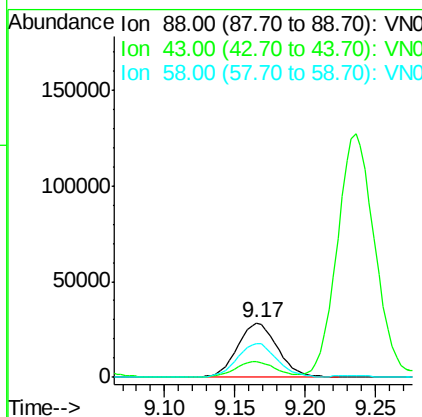
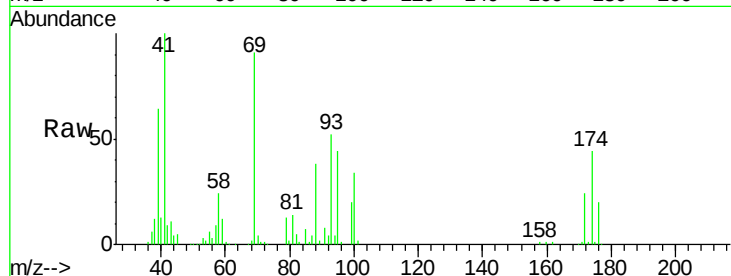
#49
1,4-Dioxane
Concen: 1005.216 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.2	22.0	33.0
58	62.3	49.2	73.8

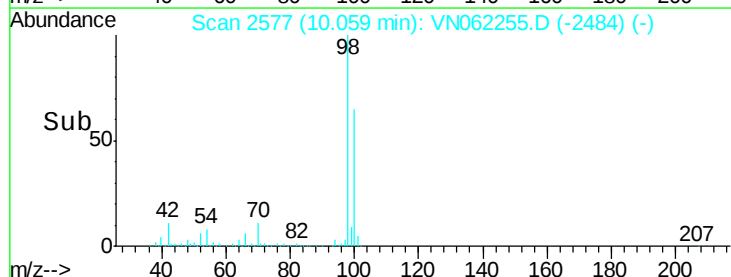
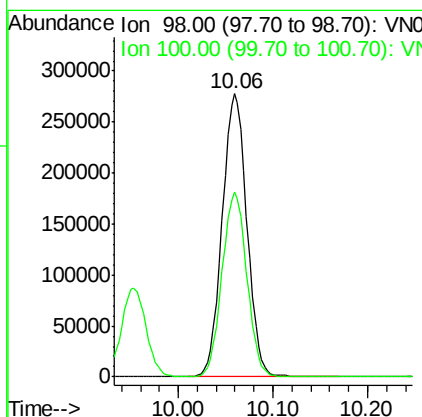
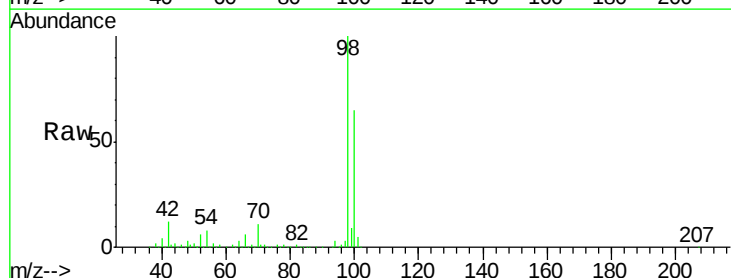
Manual Integrations
APPROVED

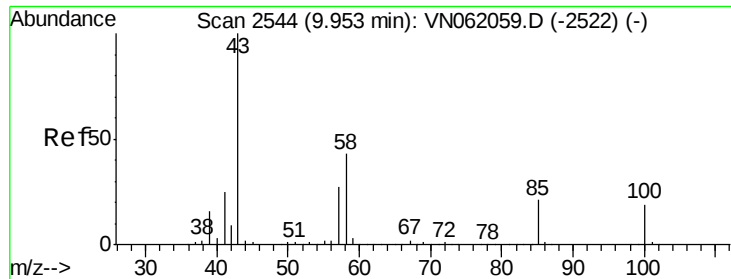
MMDadoda
7/1/2020 10:16:25 AM



#50
Toluene-d8
Concen: 47.064 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 270.995 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 897417

Ion Ratio Lower Upper

43 100

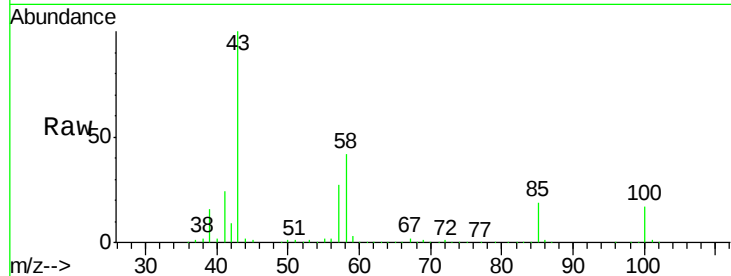
58 42.3 34.2 51.2

Manual Integrations

APPROVED

MMDadoda

7/1/2020 10:16:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-2522) (-)

9.95

500000

400000

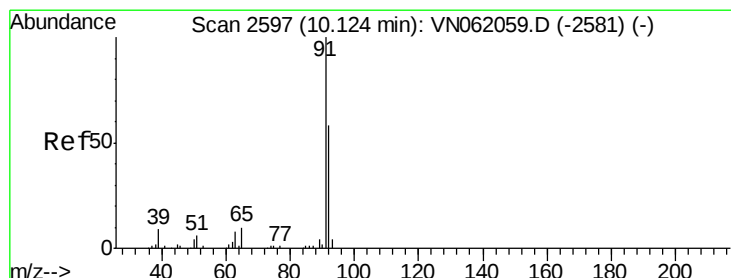
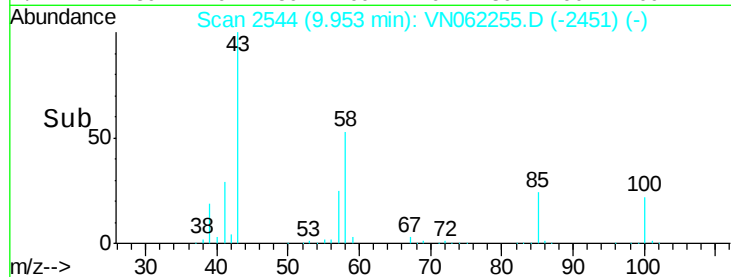
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.859 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062255.D

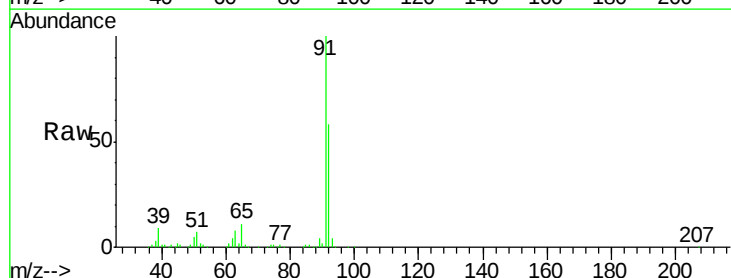
Acq: 30 Jun 2020 21:28

Tgt Ion: 92 Resp: 373723

Ion Ratio Lower Upper

92 100

91 171.4 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN062059.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VN062059.D (-2581) (-)

10.12

400000

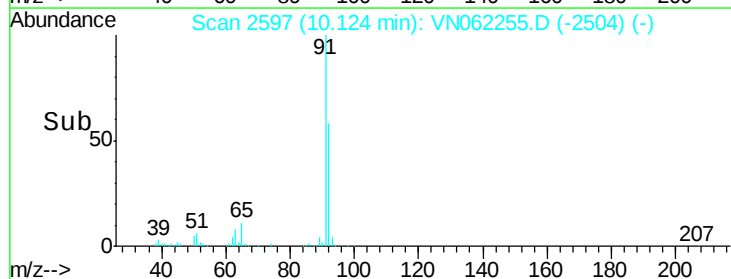
300000

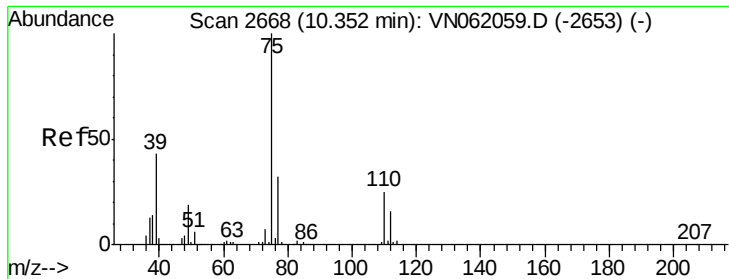
200000

100000

0

Time-->





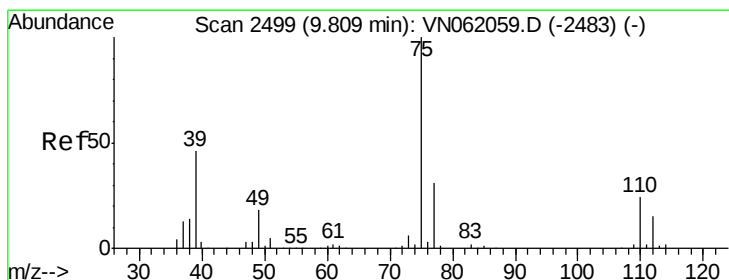
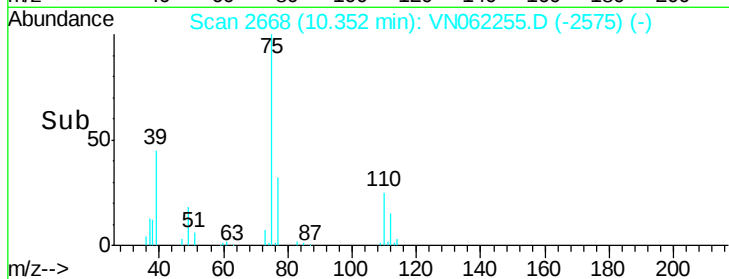
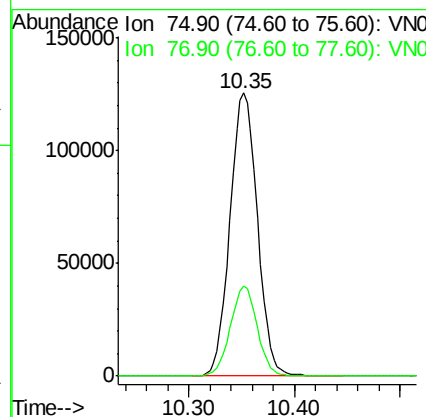
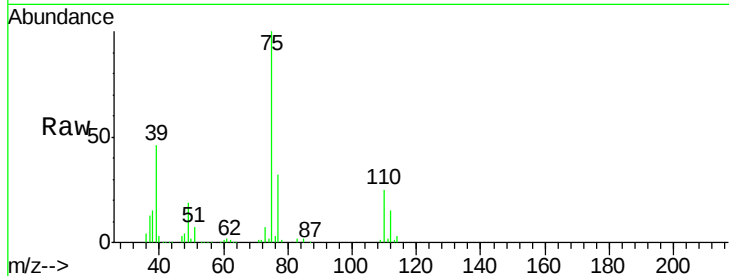
#53
 t-1,3-Dichloropropene
 Concen: 47.489 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 225830
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.5 38.3

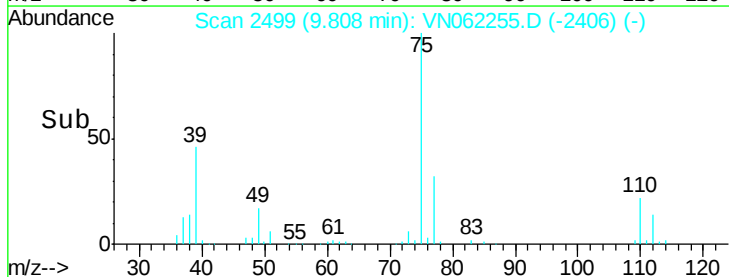
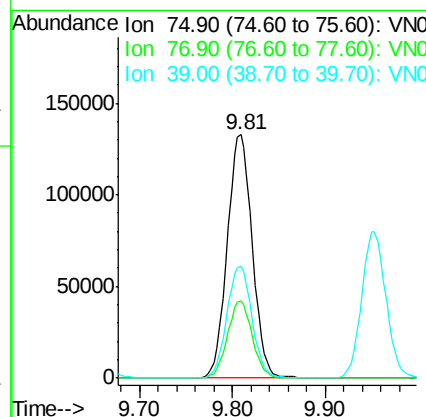
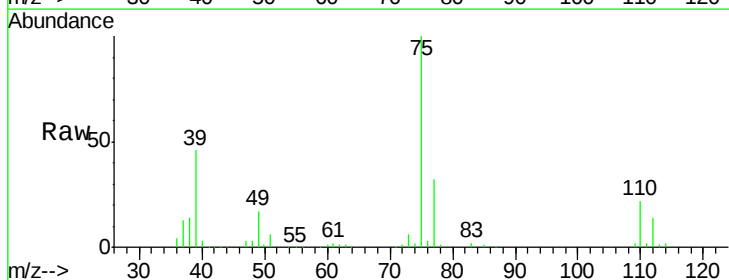
Manual Integrations
 APPROVED

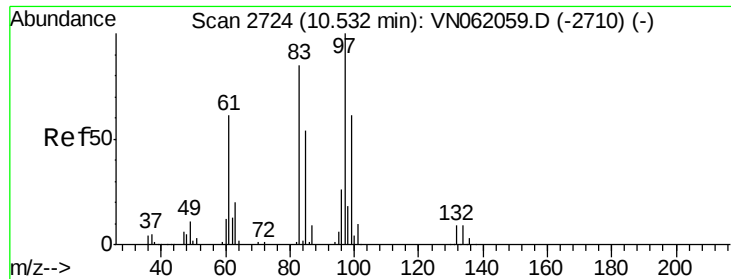
MMDadoda
 7/1/2020 10:16:25 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.979 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Tgt Ion: 75 Resp: 247972
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.0 37.6
 39 45.7 36.9 55.3





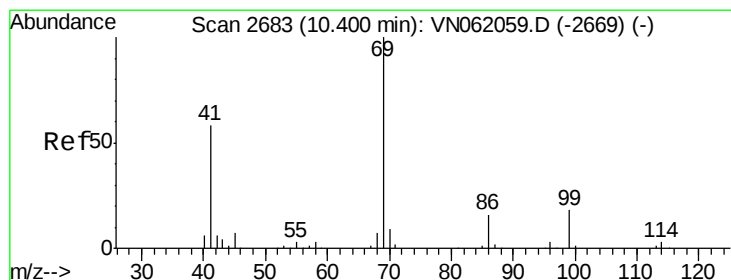
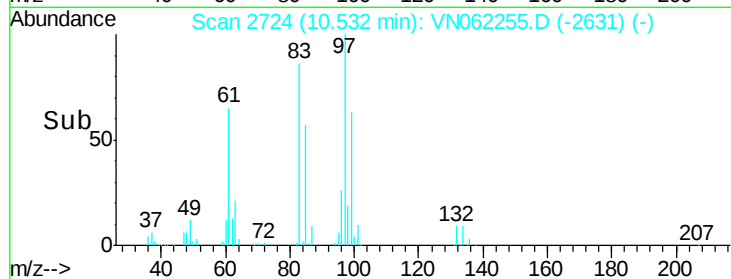
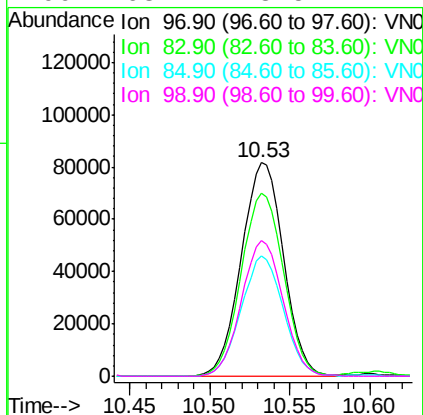
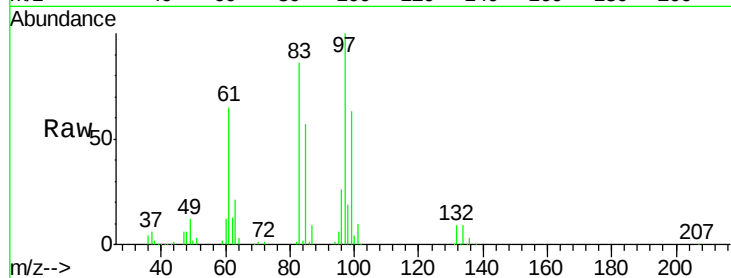
#55
 1,1,2-Trichloroethane
 Concen: 48.223 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	148025
Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.2	102.2
85	56.6	43.2	64.8
99	63.4	48.5	72.7

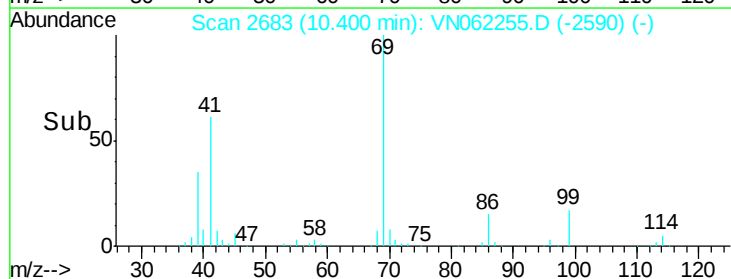
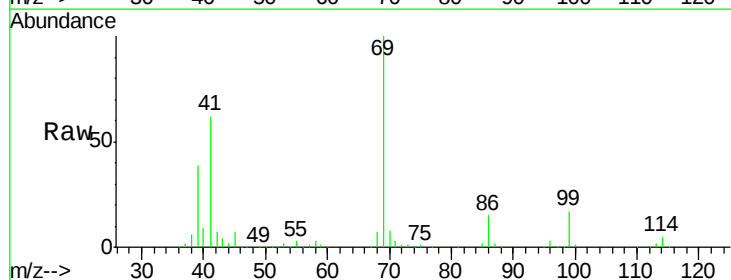
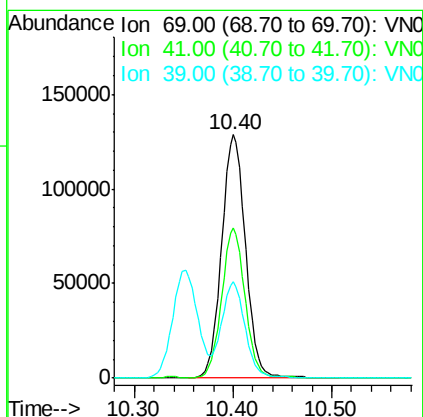
Manual Integrations
 APPROVED

MMDadoda
 7/1/2020 10:16:25 AM



#56
 Ethyl methacrylate
 Concen: 53.507 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Tgt Ion:	69	Resp:	219189
Ion	Ratio	Lower	Upper
69	100		
41	59.6	46.6	70.0
39	38.5	31.0	46.4





#57

1,3-Dichloropropane

Concen: 48.958 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 258668

Ion Ratio Lower Upper

76 100

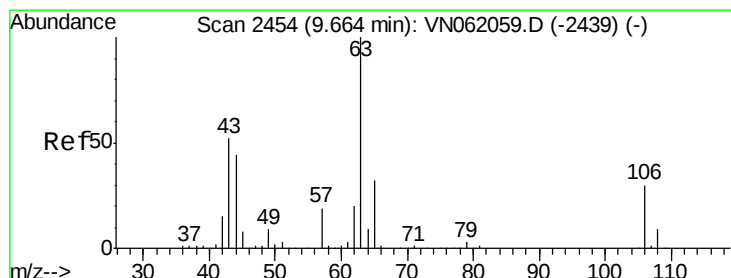
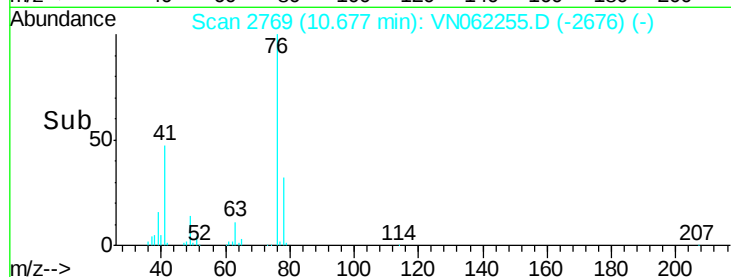
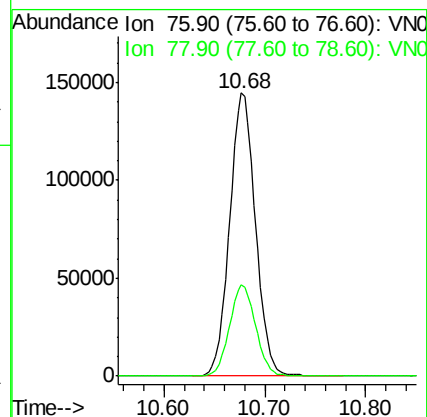
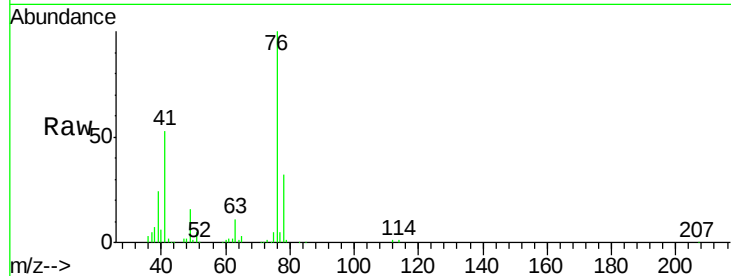
78 32.5 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

7/1/2020 10:16:25 AM



#58

2-Chloroethyl Vinyl ether

Concen: 240.310 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062255.D

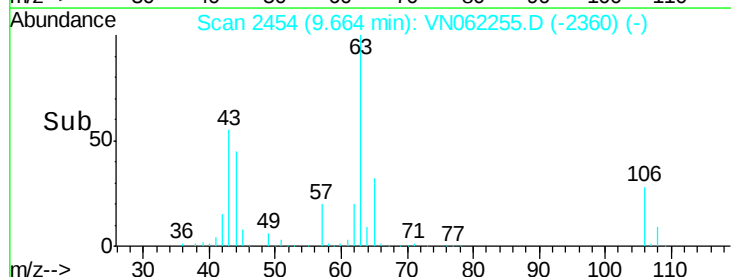
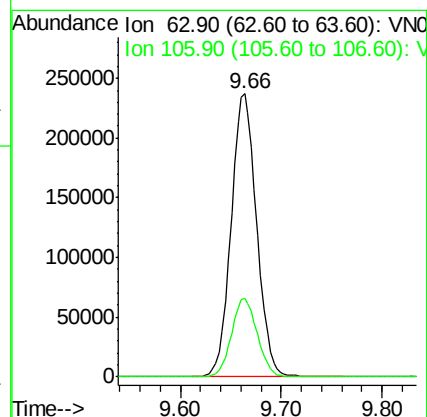
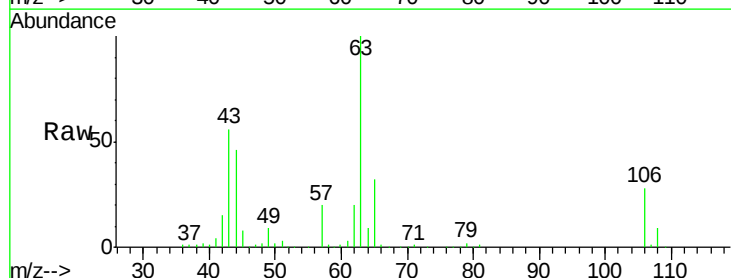
Acq: 30 Jun 2020 21:28

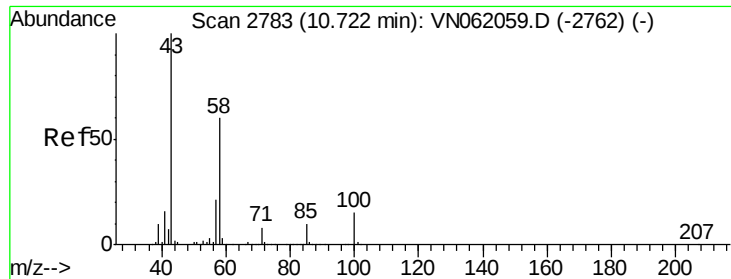
Tgt Ion: 63 Resp: 417960

Ion Ratio Lower Upper

63 100

106 27.9 23.2 34.8





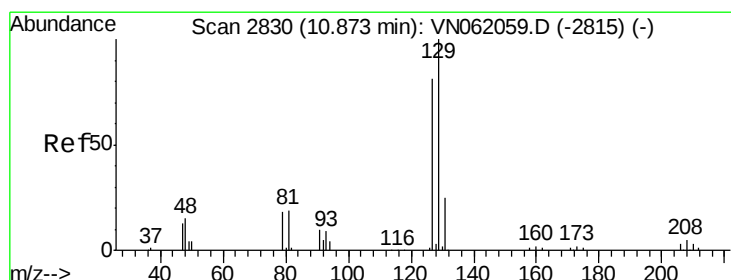
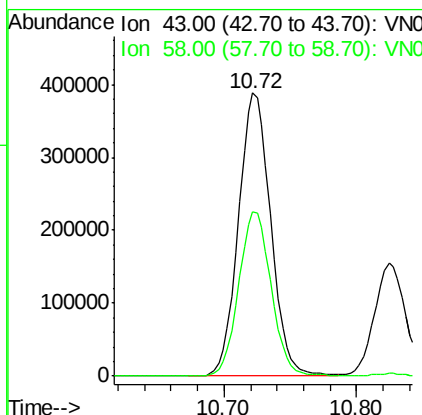
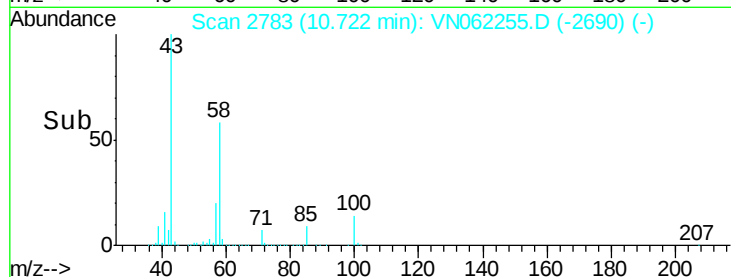
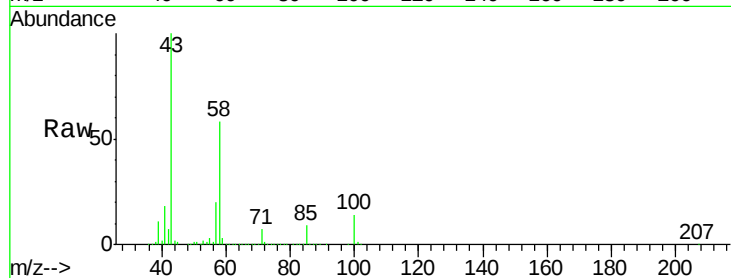
#59
2-Hexanone
Concen: 274.749 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 657000
Ion Ratio Lower Upper
43 100
58 58.4 29.5 88.5

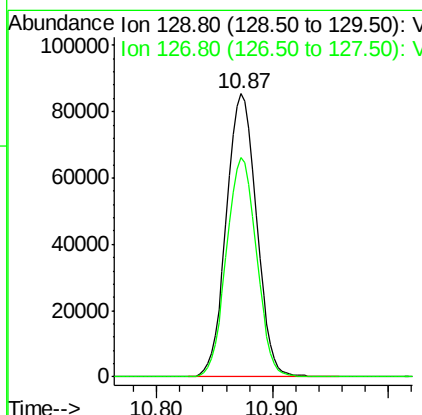
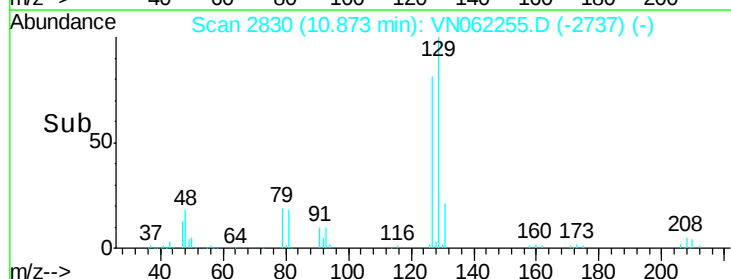
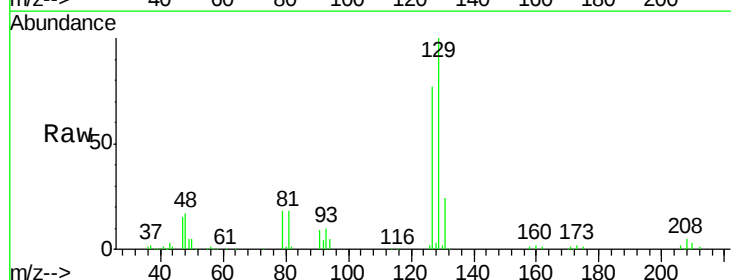
Manual Integrations
APPROVED

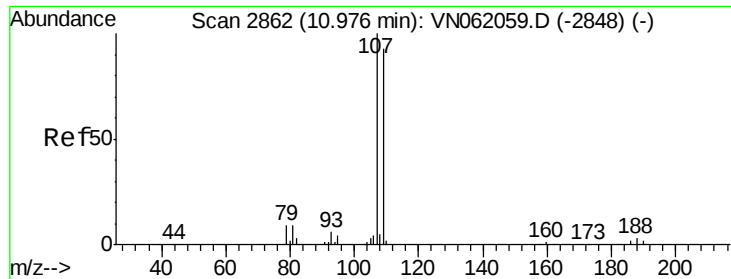
MMDadoda
7/1/2020 10:16:25 AM



#60
Dibromochloromethane
Concen: 47.330 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion: 129 Resp: 153813
Ion Ratio Lower Upper
129 100
127 77.0 39.5 118.5





#61

1,2-Dibromoethane

Concen: 47.466 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 149711

Ion Ratio Lower Upper

107 100

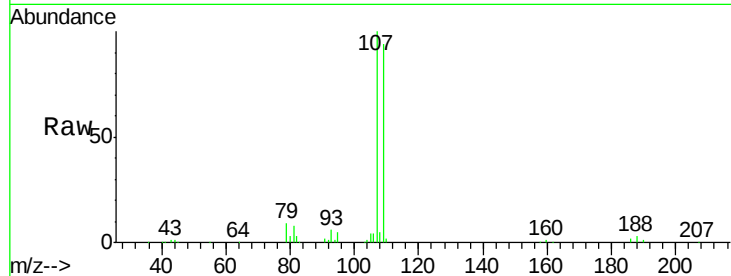
109 93.2 75.0 112.6

Manual Integrations

APPROVED

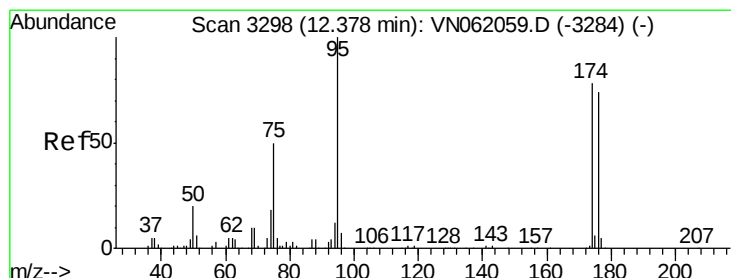
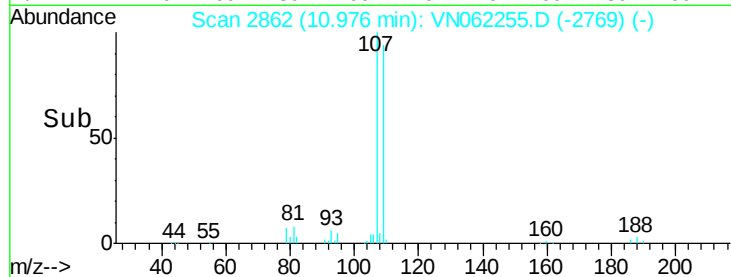
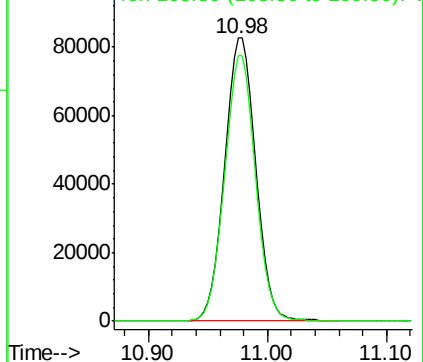
MMDadoda

7/1/2020 10:16:25 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.398 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

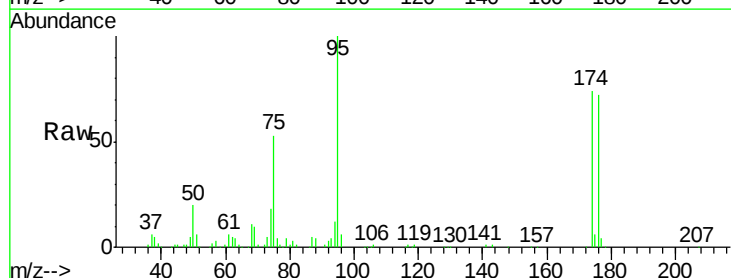
Tgt Ion: 95 Resp: 171556

Ion Ratio Lower Upper

95 100

174 73.1 0.0 154.8

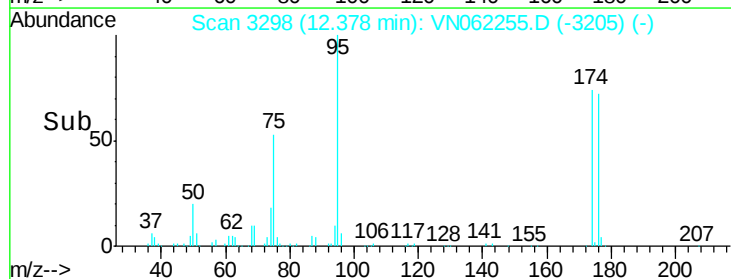
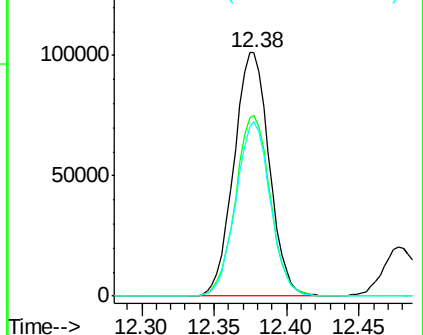
176 70.0 0.0 147.4

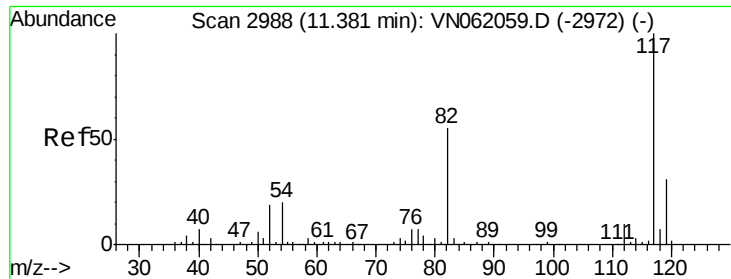


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





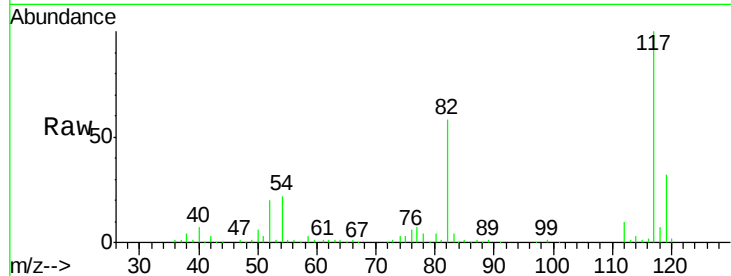
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	43.8	65.8
119	31.8	25.2	37.8

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:25 AM

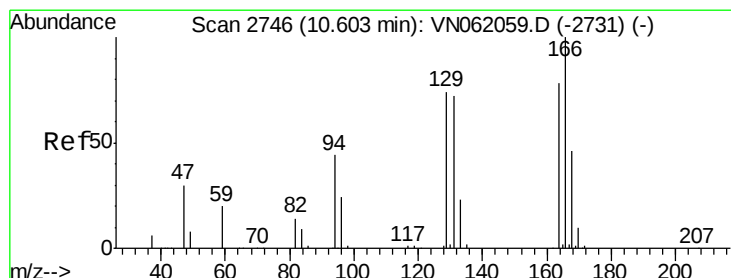
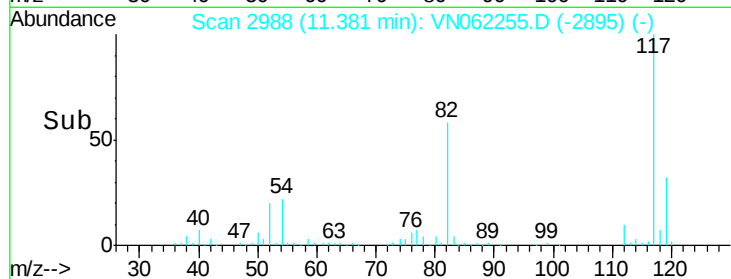
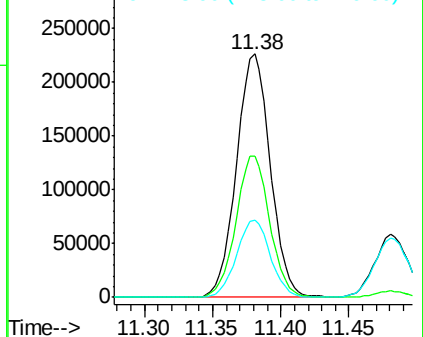


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 41.638 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	102.9	154.3
129	96.6	75.8	113.8
131	93.9	73.8	110.6

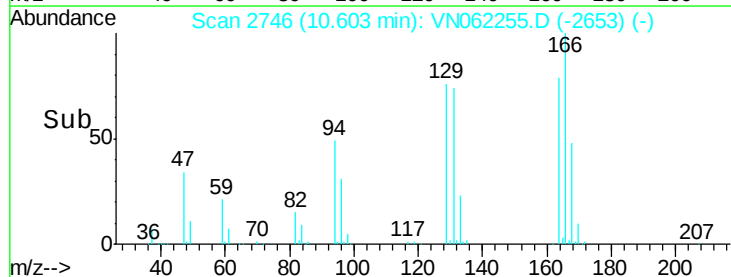
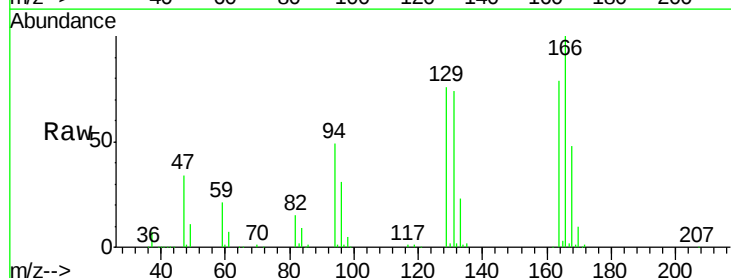
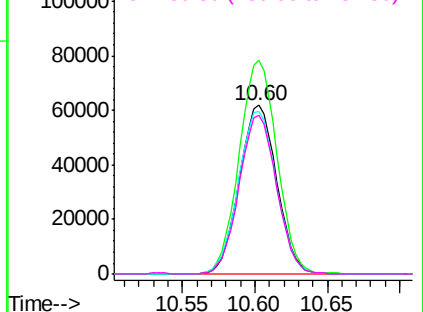
Abundance

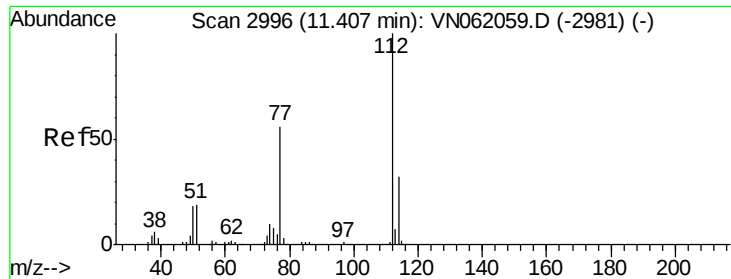
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





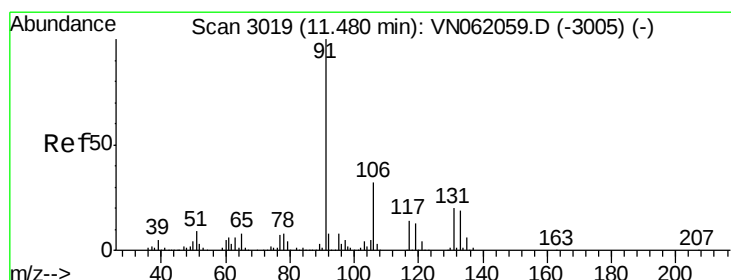
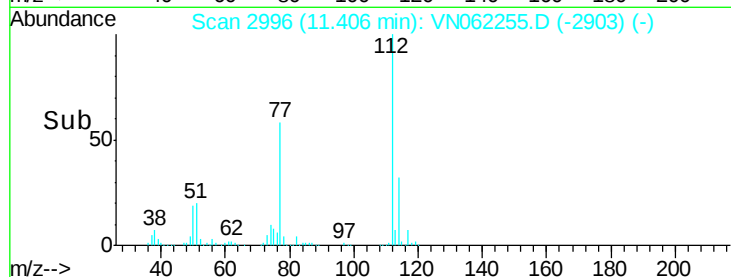
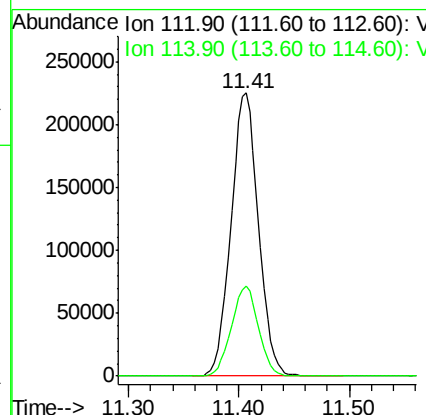
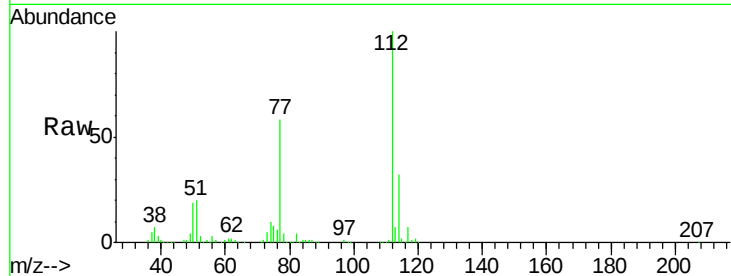
#65
Chlorobenzene
Concen: 45.127 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.8	38.8

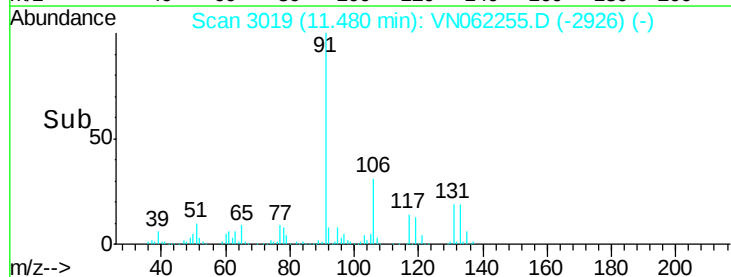
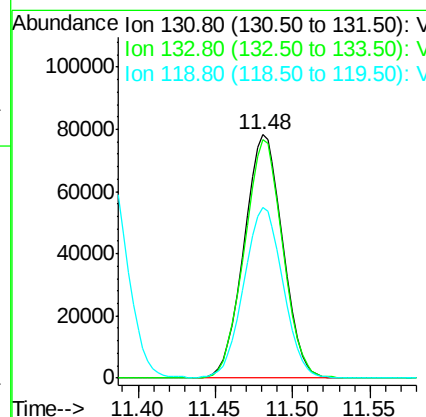
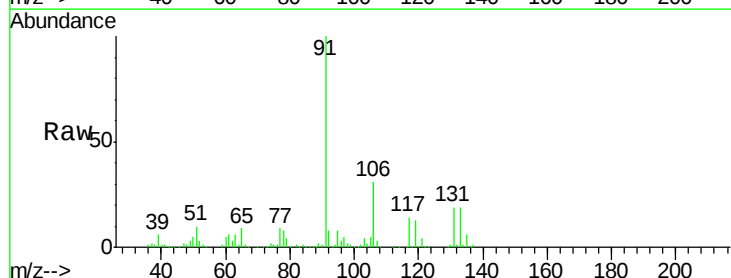
Manual Integrations
APPROVED

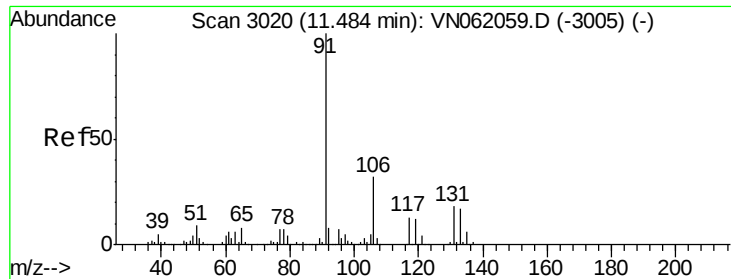
MMDadoda
7/1/2020 10:16:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 45.911 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	47.6	142.9
119	71.0	34.4	103.3





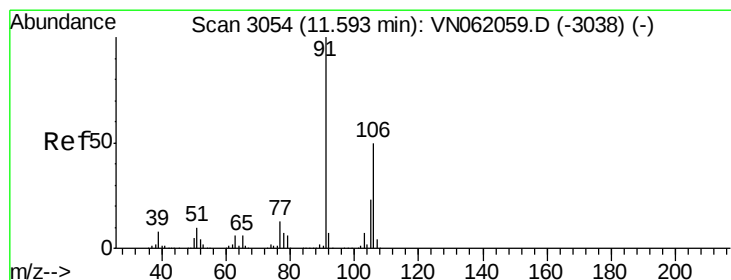
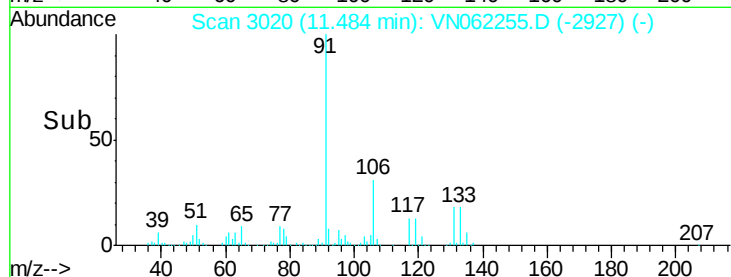
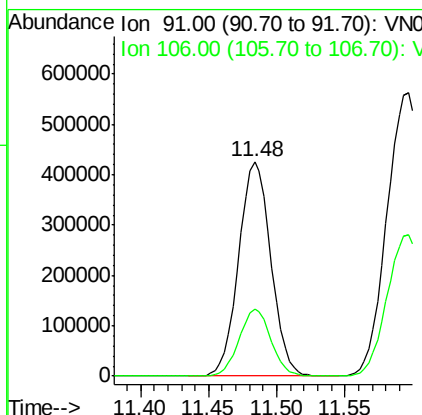
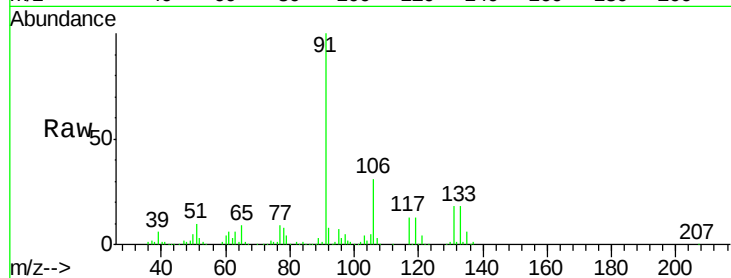
#67
Ethyl Benzene
Concen: 48.265 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.3	37.9

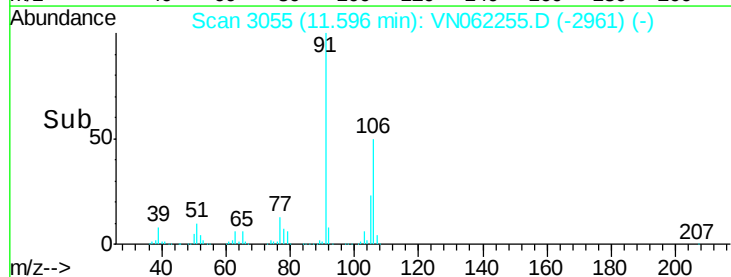
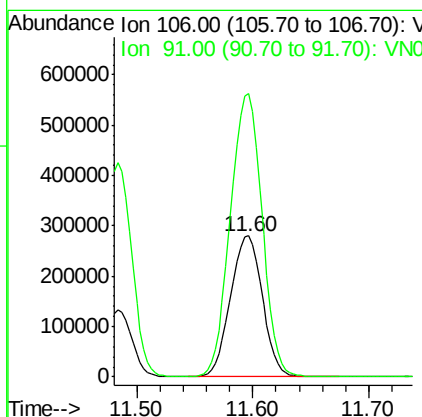
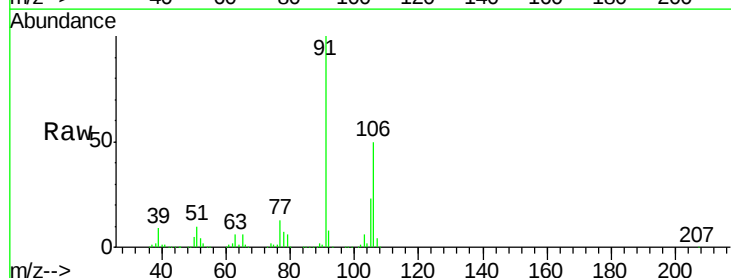
Manual Integrations
APPROVED

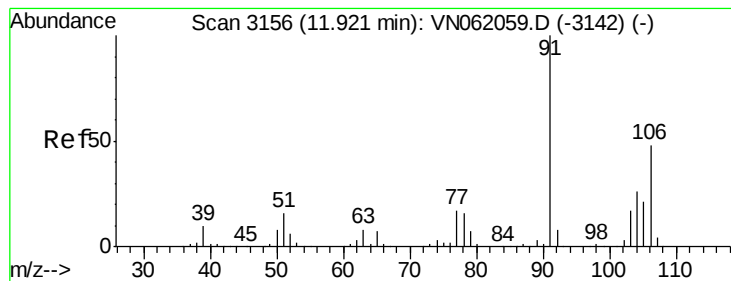
MMDadoda
7/1/2020 10:16:25 AM



#68
m/p-Xylenes
Concen: 94.957 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.8	157.8	236.8





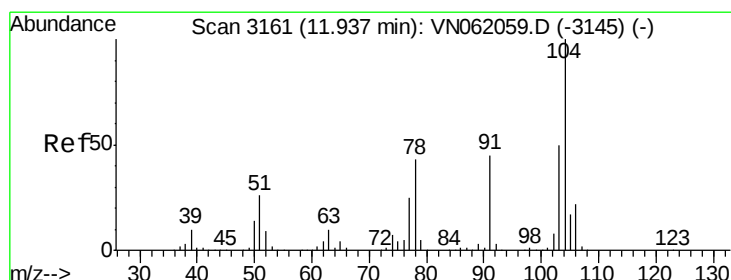
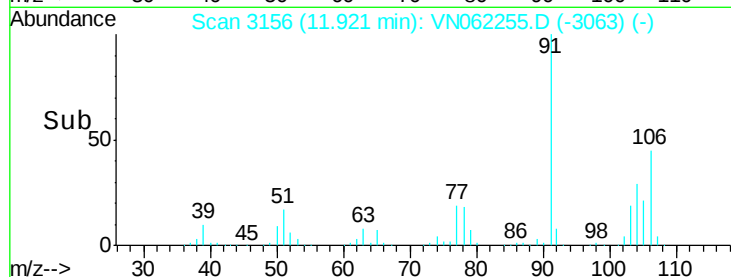
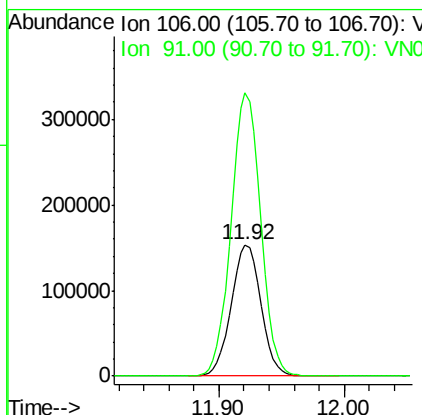
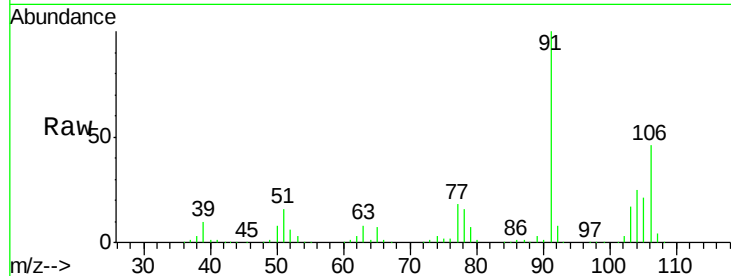
#69
o-Xylene
Concen: 47.720 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		252310		
91	215.3	104.0	311.9		

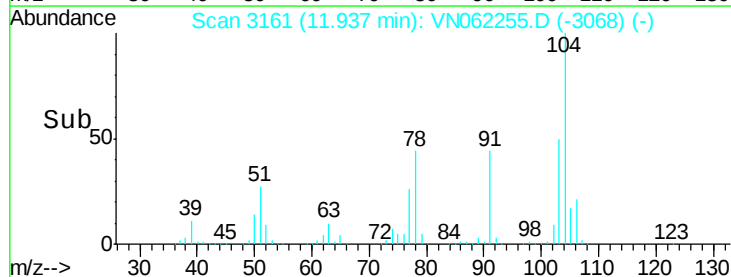
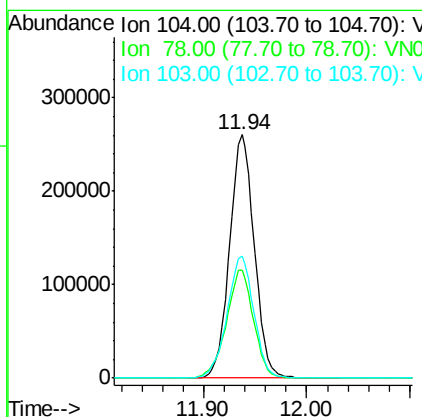
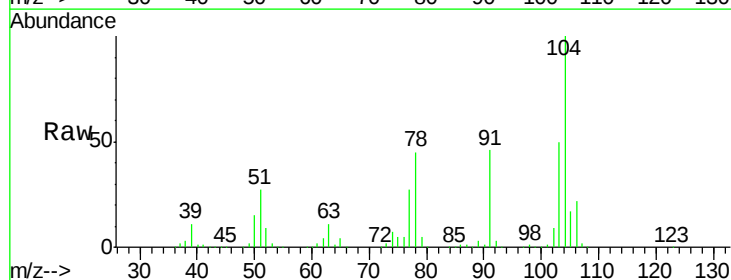
Manual Integrations
APPROVED

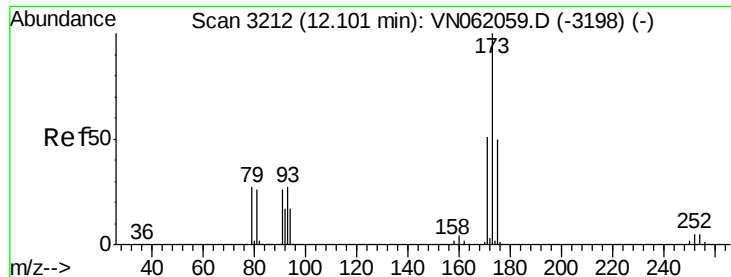
MMDadoda
7/1/2020 10:16:25 AM



#70
Styrene
Concen: 49.434 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		435905		
78	48.7	37.7	56.5		
103	54.2	43.0	64.6		





#71

Bromoform

Concen: 47.247 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Instrument :

MSVOA_N

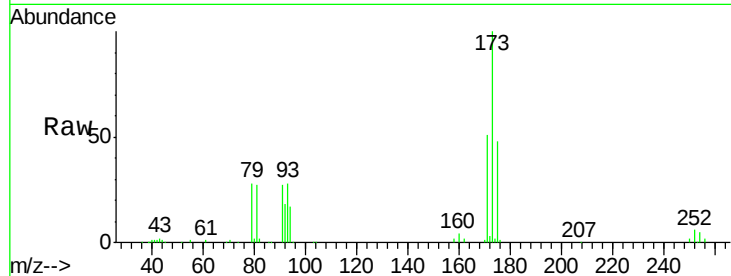
ClientSampled :

VSTDCCC050EC

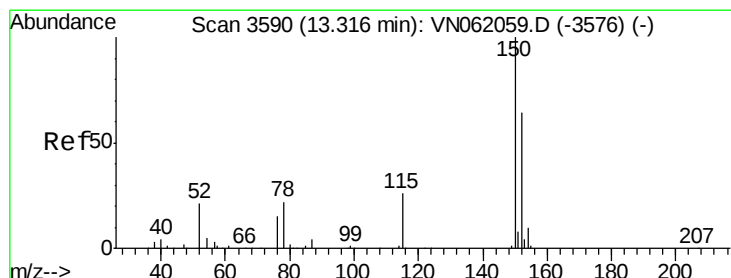
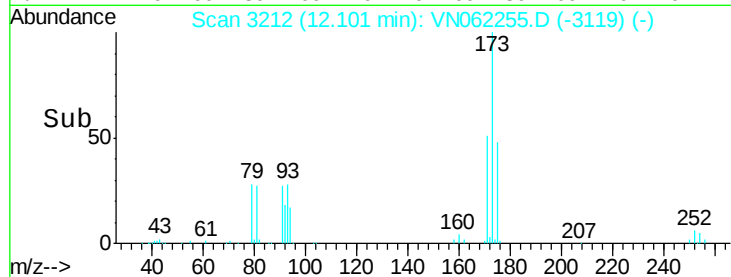
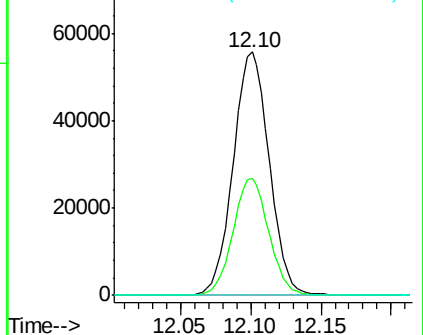
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.7	74.1
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:25 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

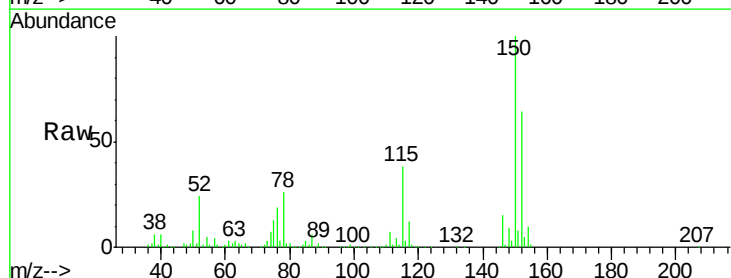
RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

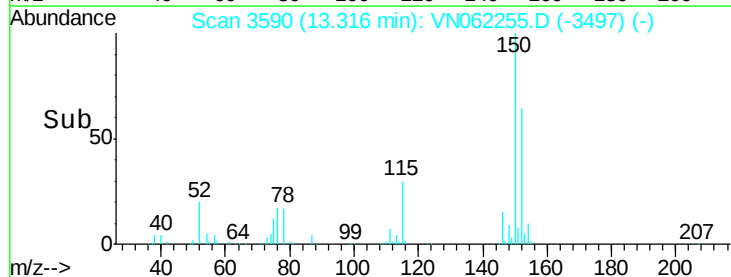
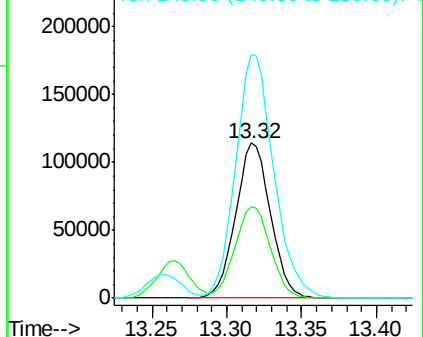
Lab File: VN062255.D

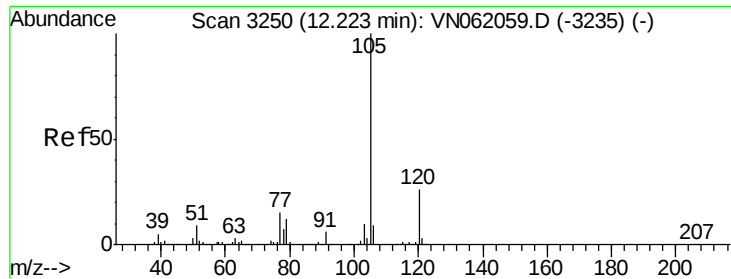
Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.5	88.5
150	172.1	0.0	351.4



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





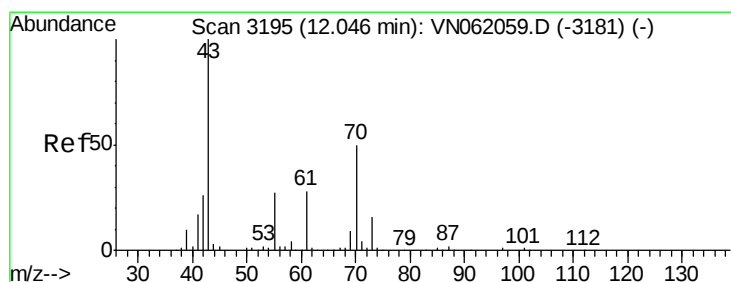
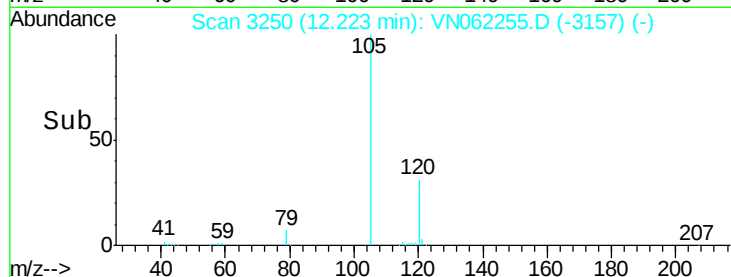
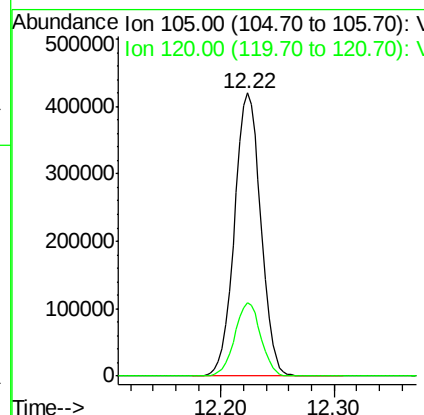
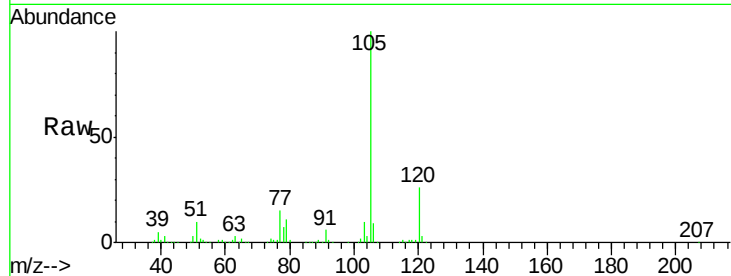
#73
Isopropylbenzene
Concen: 47.377 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.6

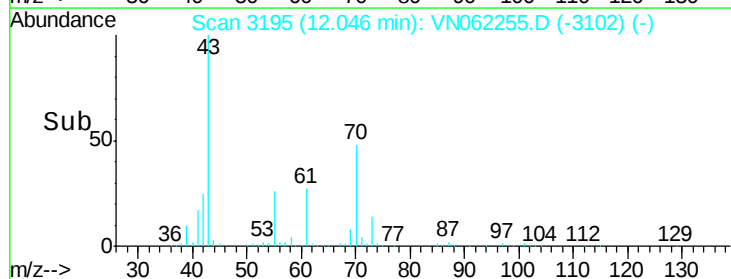
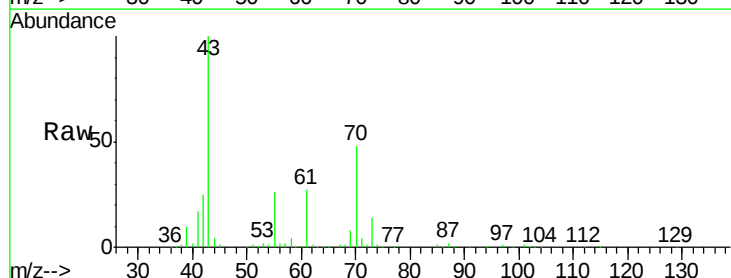
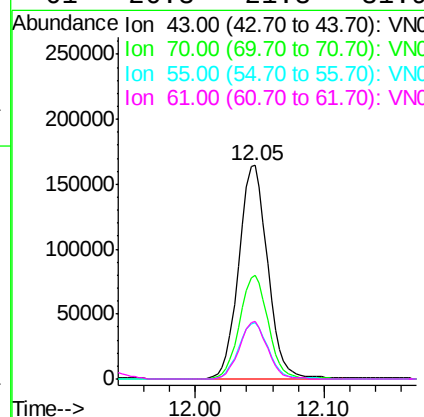
Manual Integrations
APPROVED

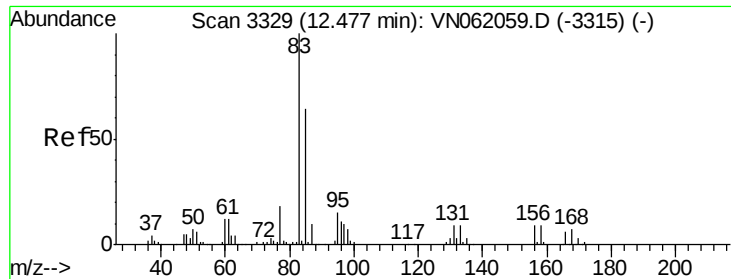
MMDadoda
7/1/2020 10:16:25 AM



#74
N-ethyl acetate
Concen: 48.742 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.2	39.4	59.2
55	27.0	21.7	32.5
61	26.3	21.3	31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 47.969 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Instrument :

MSVOA_N

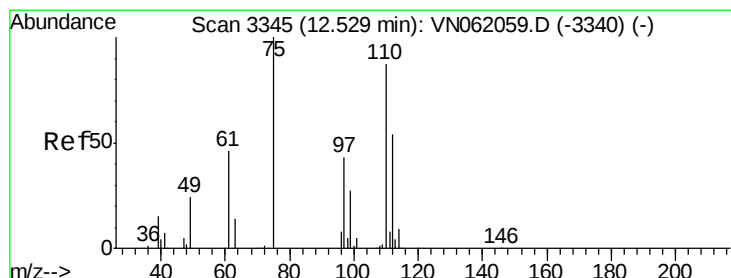
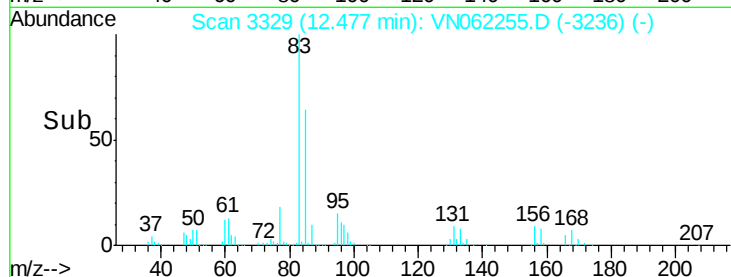
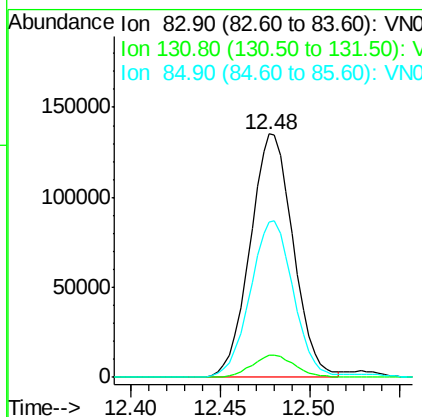
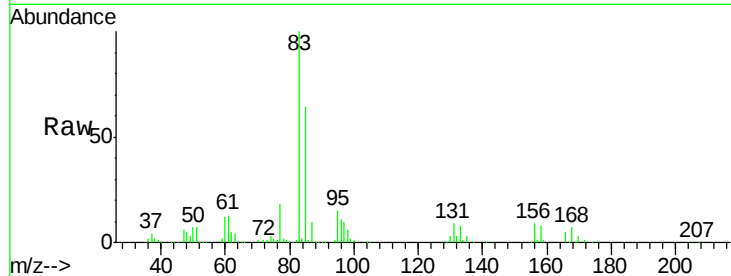
ClientSampled :

VSTDCCC050EC

Tot Ion:	83	Resp:	228446
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.8	14.4
85	64.3	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:25 AM



#76

1,2,3-Trichloropropane

Concen: 46.295 ug/l m

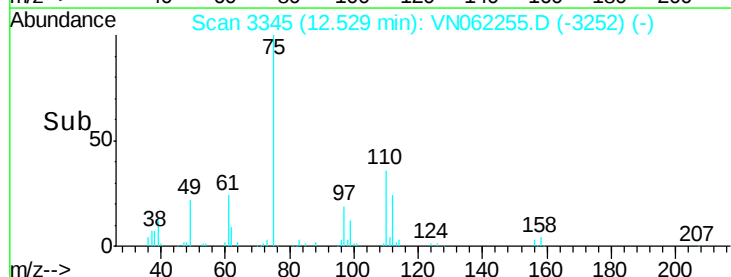
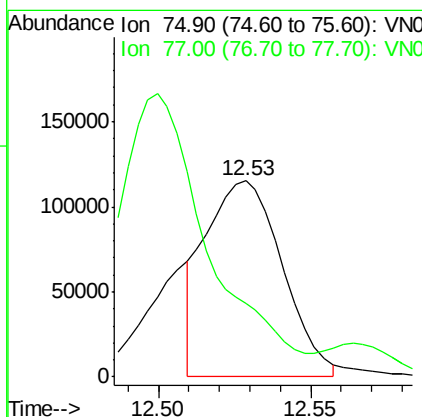
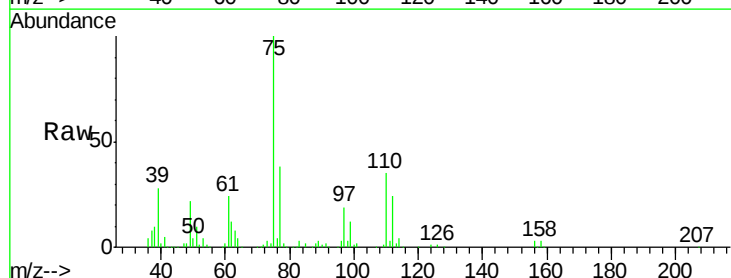
RT: 12.53 min Scan# 3345

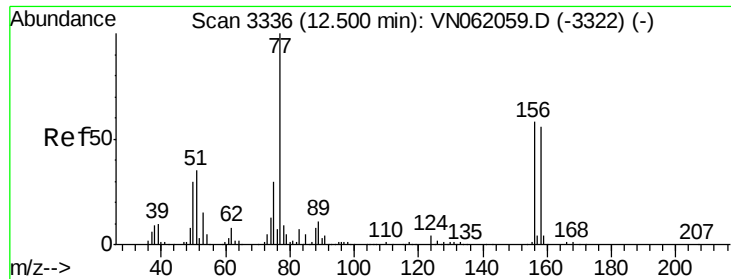
Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Tgt Ion:	75	Resp:	201482
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 43.477 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Instrument :

MSVOA_N

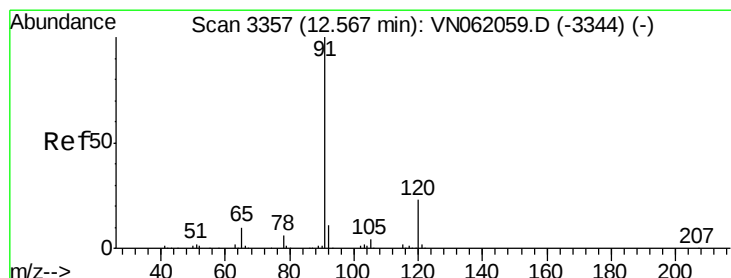
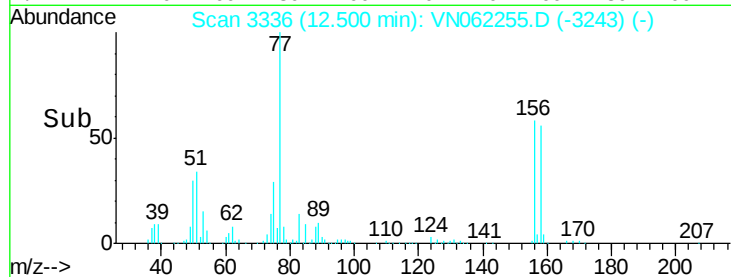
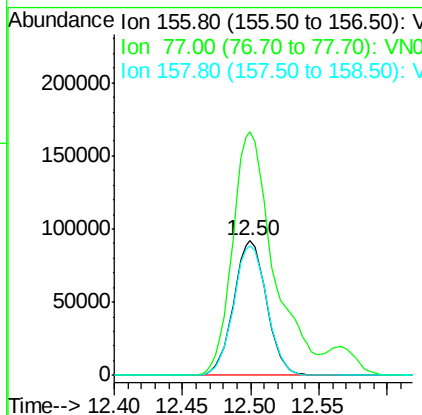
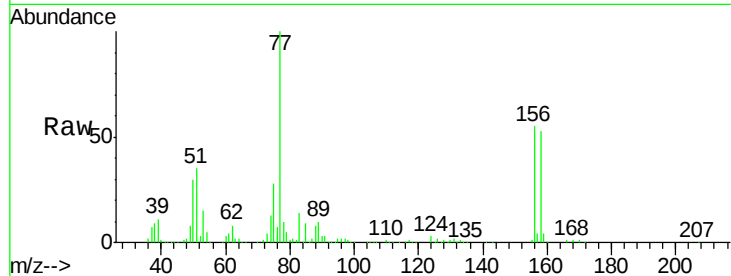
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	225.6	104.6	313.8
158	97.8	48.0	144.0

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:25 AM



#78

n-propylbenzene

Concen: 48.478 ug/l

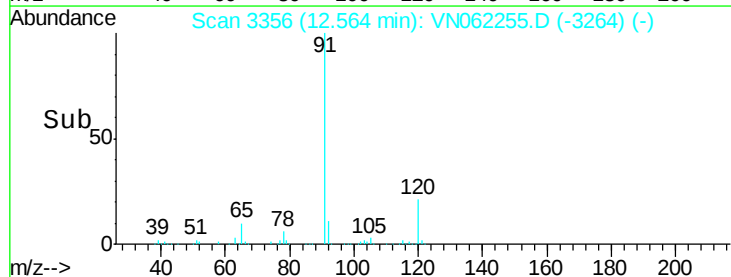
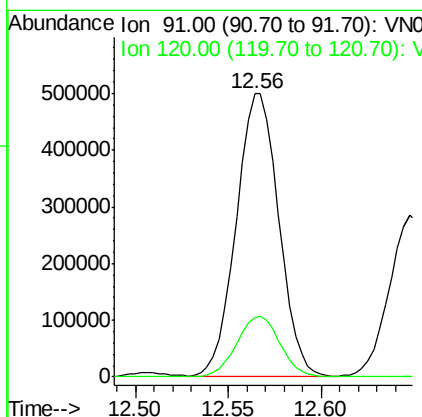
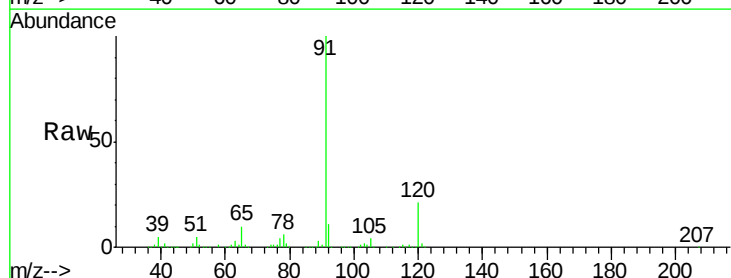
RT: 12.56 min Scan# 3356

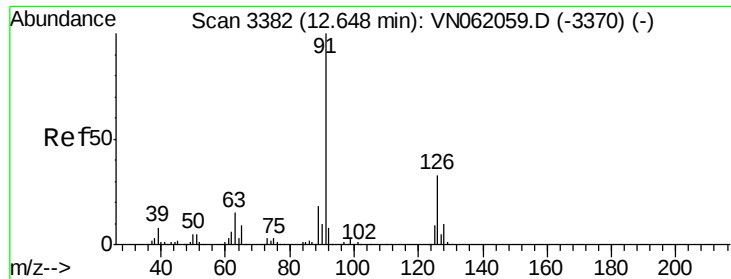
Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.4	34.1





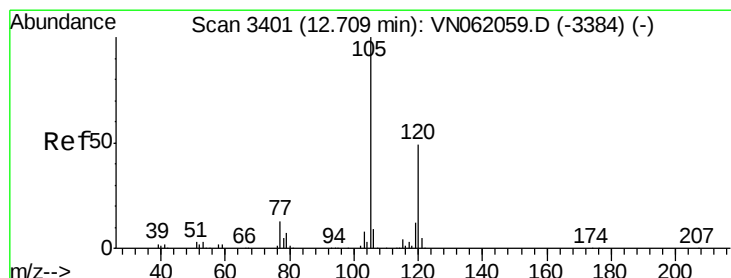
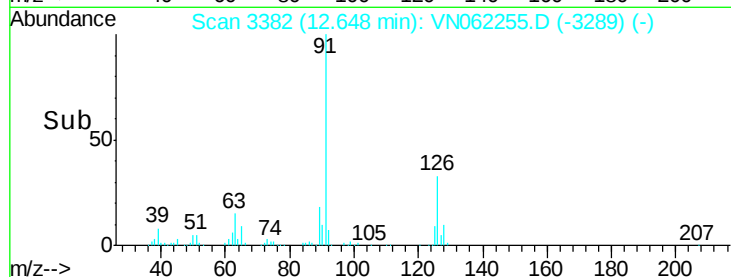
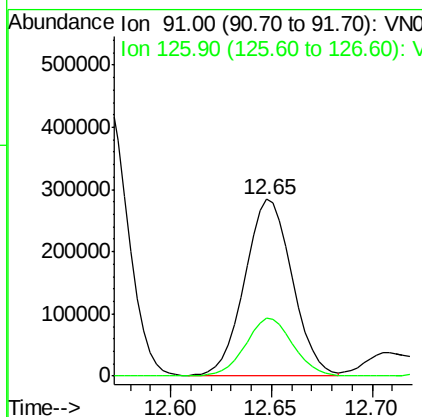
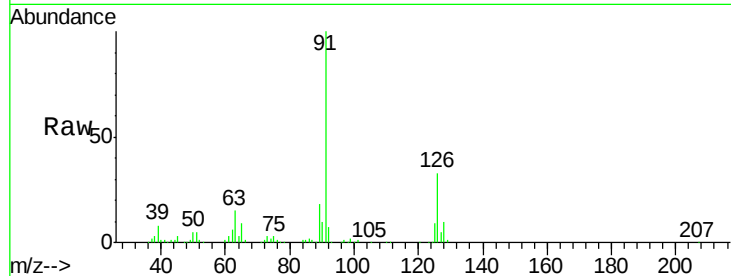
#79
 2-Chlorotoluene
 Concen: 47.070 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 465818
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.9 50.7

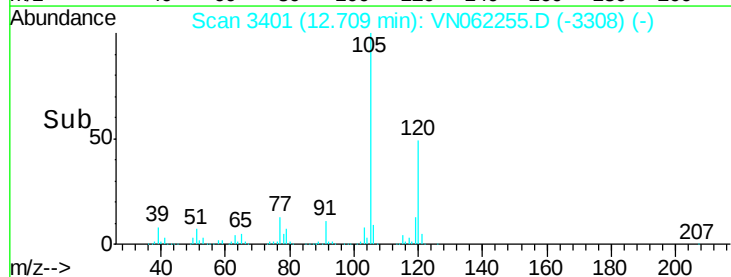
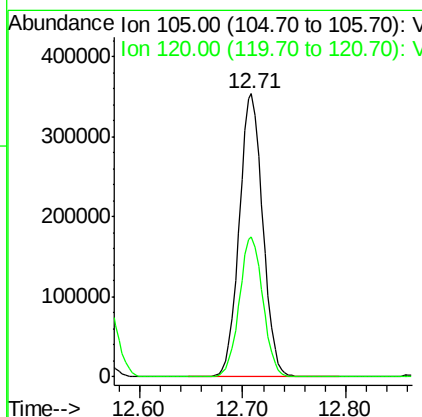
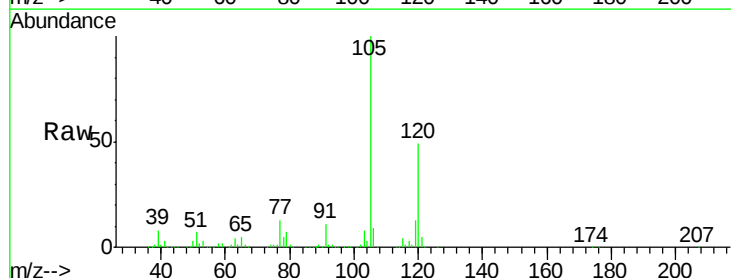
Manual Integrations
 APPROVED

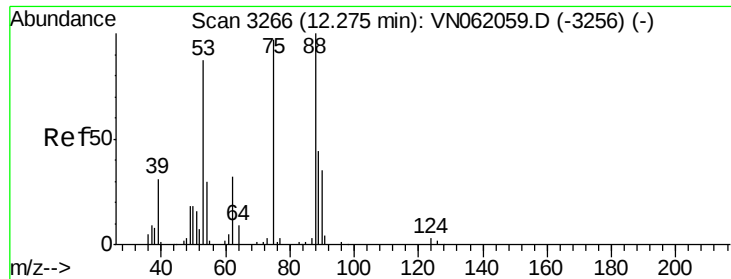
MMDadoda
 7/1/2020 10:16:25 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.305 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Tgt Ion: 105 Resp: 560401
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 44.831 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Instrument :

MSVOA_N

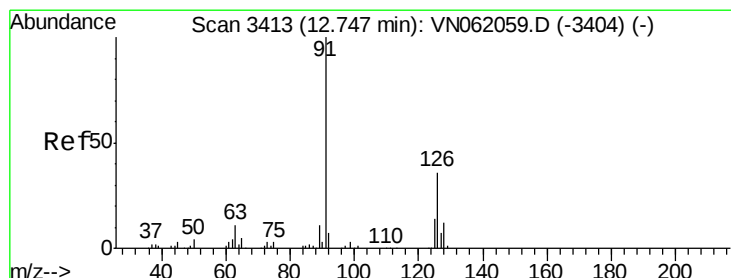
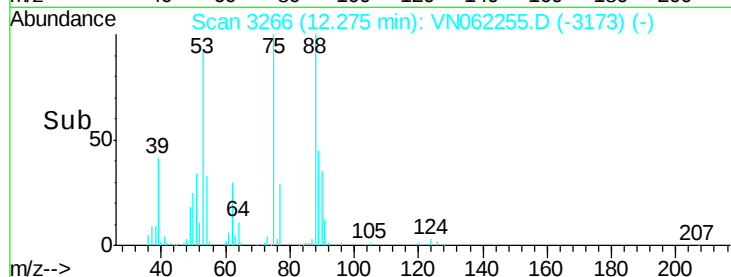
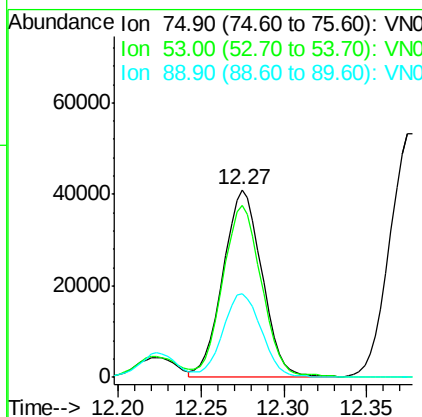
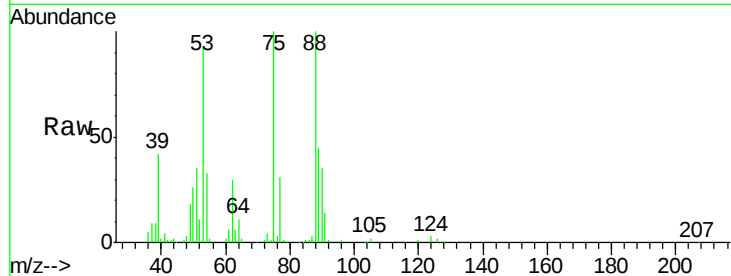
ClientSampled :

VSTDCCC050EC

Tot Ion:	75	Resp:	66811
Ion	Ratio	Lower	Upper
75	100		
53	92.9	72.0	108.0
89	44.3	36.9	55.3

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:25 AM



#82

4-Chlorotoluene

Concen: 47.028 ug/l

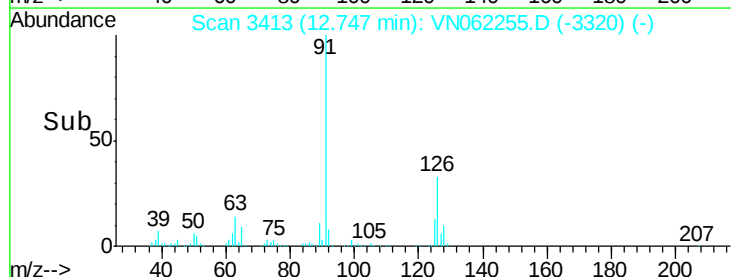
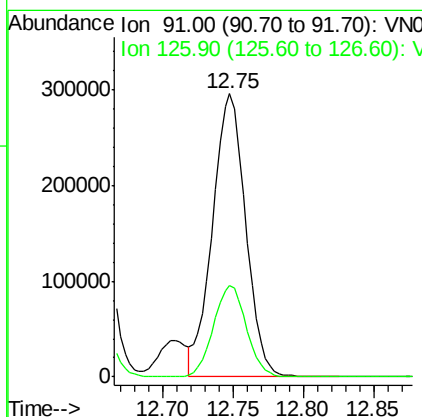
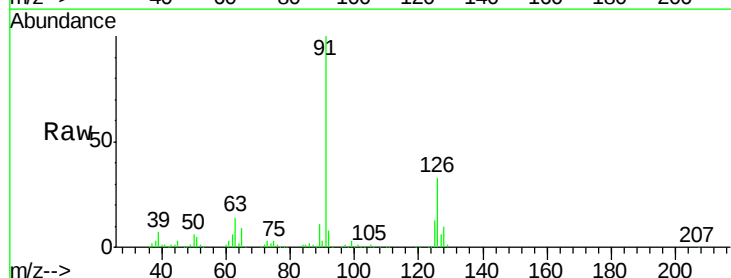
RT: 12.75 min Scan# 3413

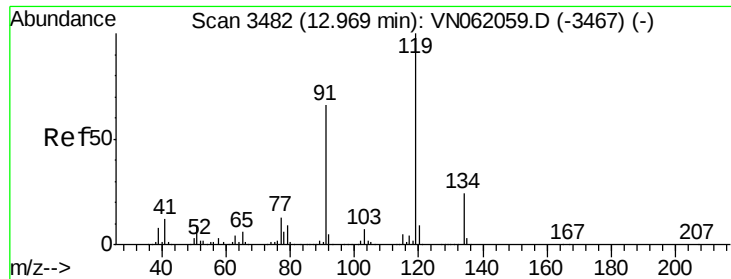
Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Tgt Ion:	91	Resp:	481275
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.7	50.1





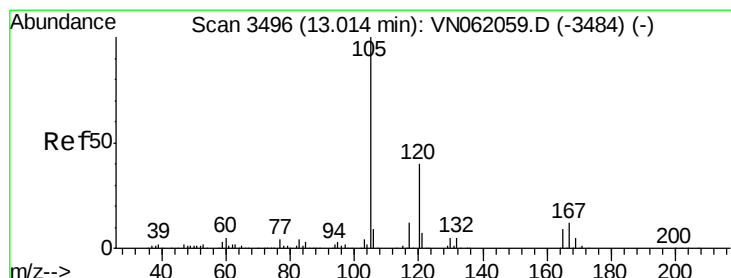
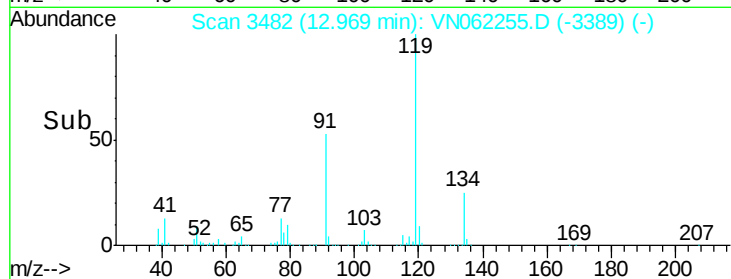
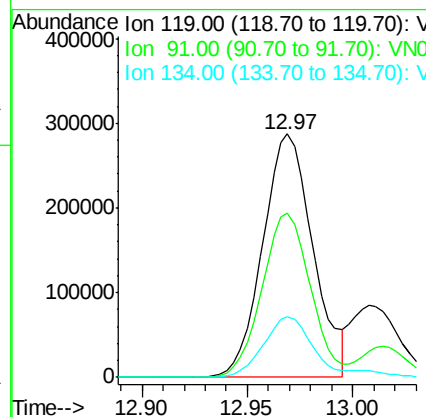
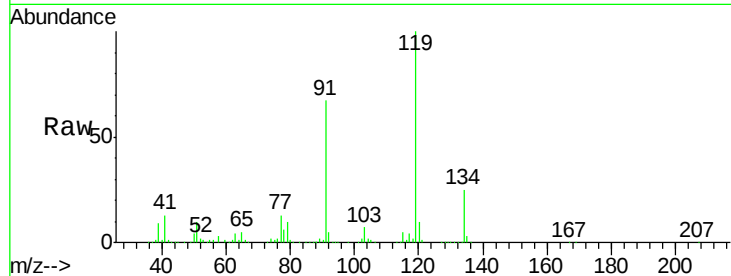
#83
 tert-Butylbenzene
 Concen: 47.993 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	476495		
91	65.3		31.7	95.1
134	24.2		13.1	39.1

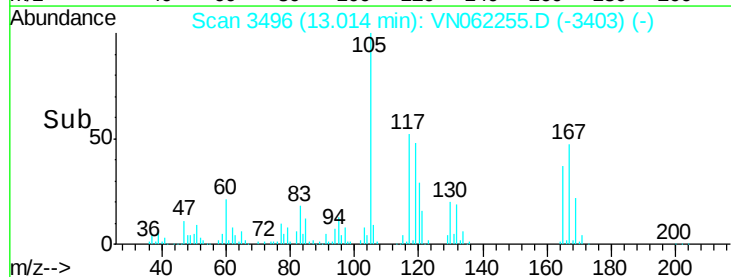
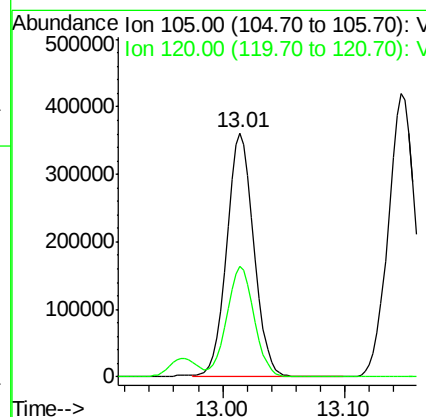
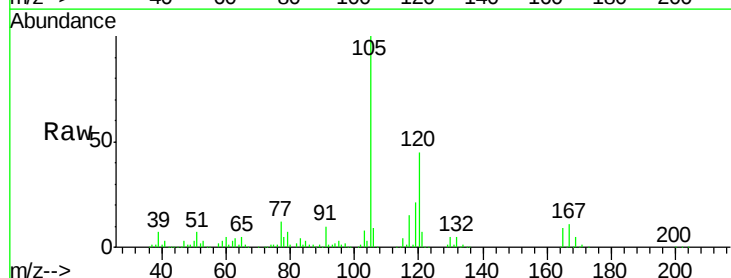
Manual Integrations
 APPROVED

MMDadoda
 7/1/2020 10:16:25 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.412 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	560935		
120	46.0		23.2	69.5





#85

sec-Butylbenzene

Concen: 49.797 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 653294

Ion Ratio Lower Upper

105 100

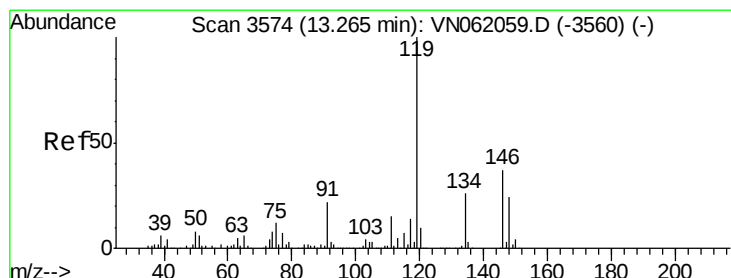
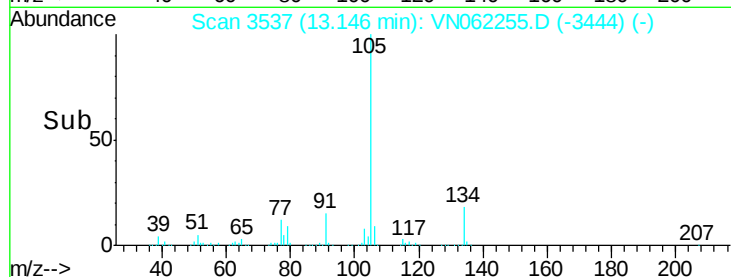
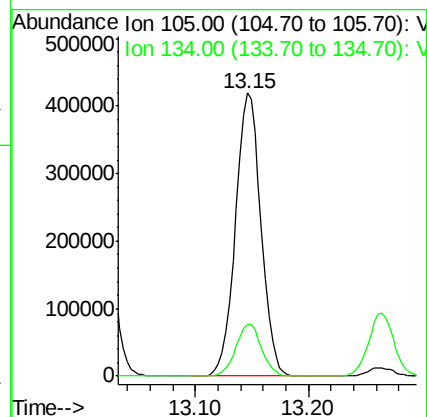
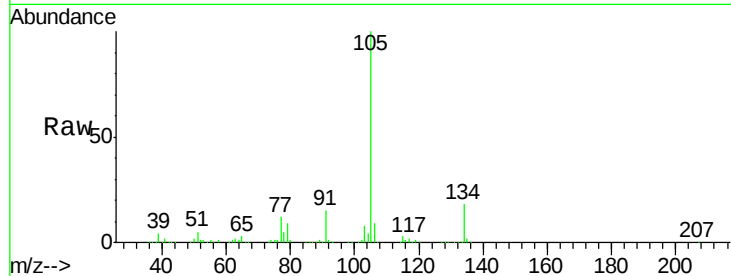
134 18.6 9.7 29.1

Manual Integrations

APPROVED

MMDadoda

7/1/2020 10:16:25 AM



#86

p-Isopropyltoluene

Concen: 49.778 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062255.D

Acq: 30 Jun 2020 21:28

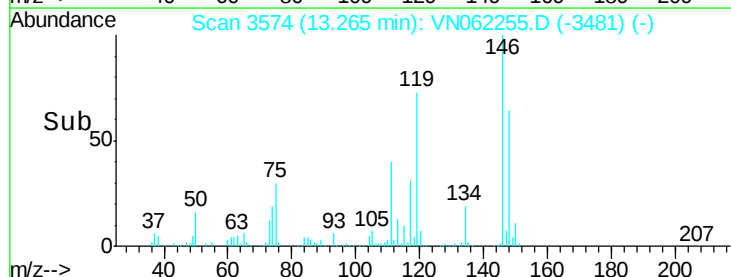
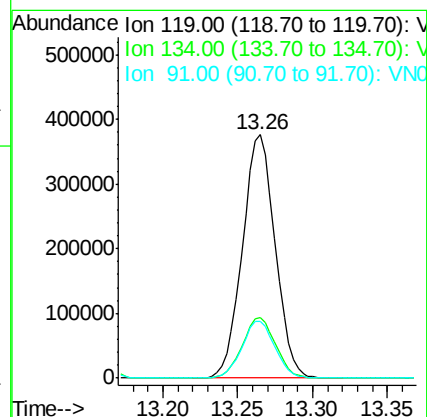
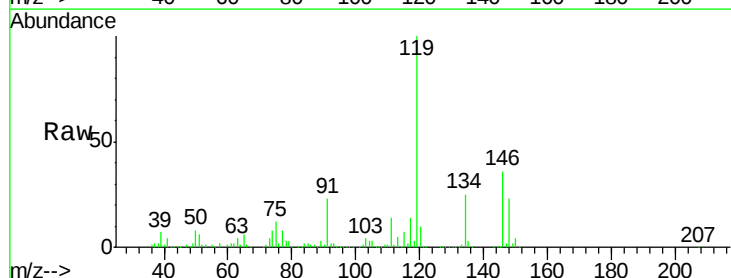
Tgt Ion:119 Resp: 572152

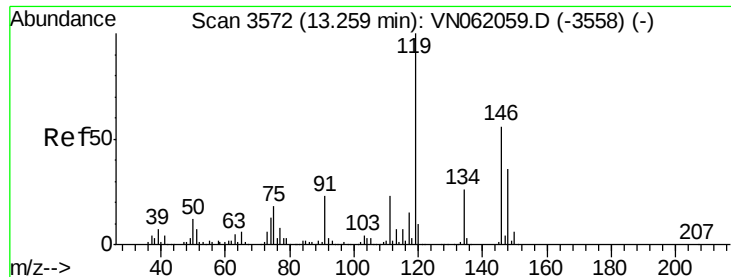
Ion Ratio Lower Upper

119 100

134 25.3 13.0 39.0

91 23.5 11.3 33.8





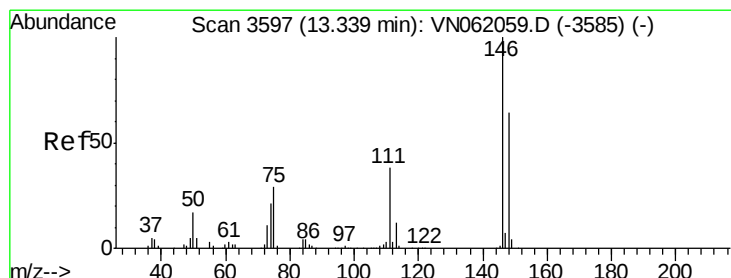
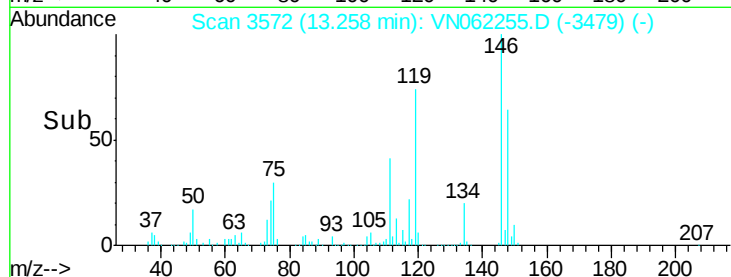
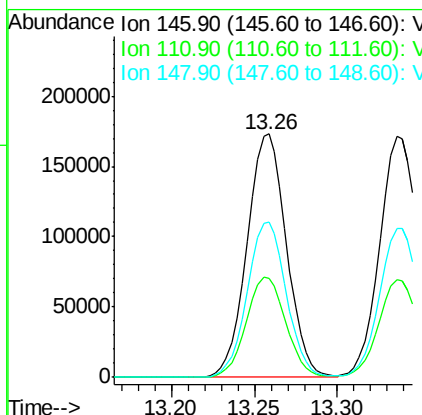
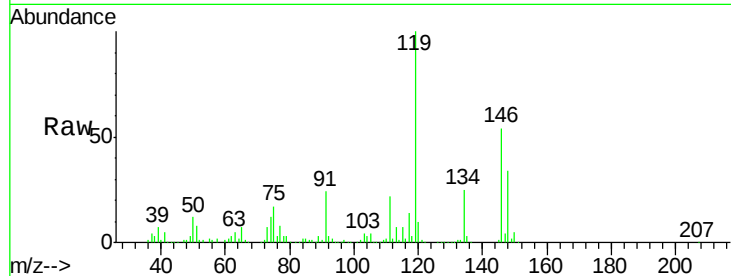
#87
 1,3-Dichlorobenzene
 Concen: 45.682 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	61.0
148	63.2	31.8	95.3

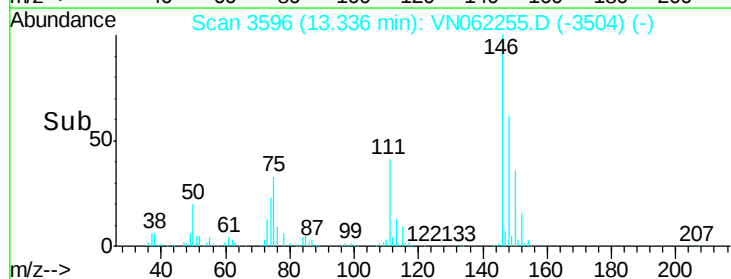
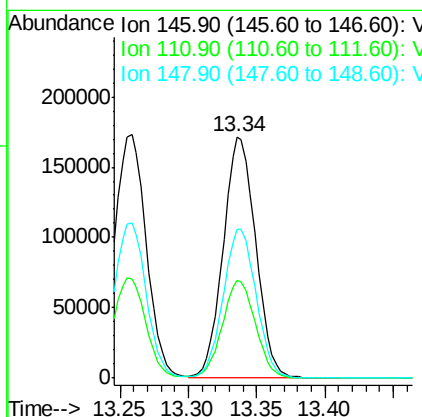
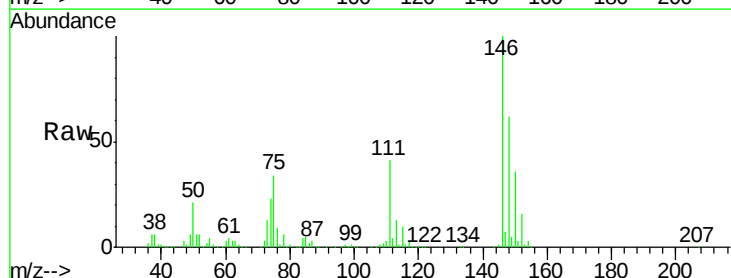
Manual Integrations
 APPROVED

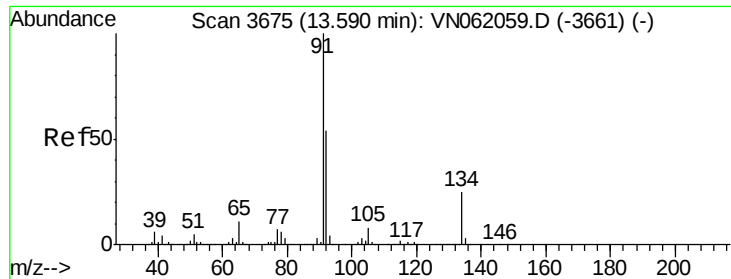
MMDadoda
 7/1/2020 10:16:25 AM



#88
 1,4-Dichlorobenzene
 Concen: 44.111 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.9	59.6
148	62.6	31.9	95.9





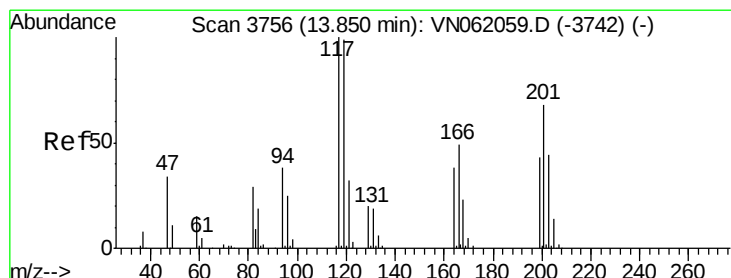
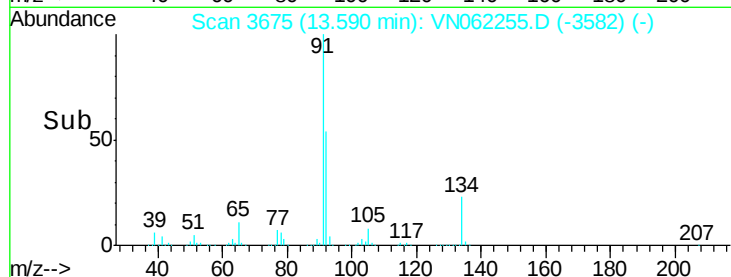
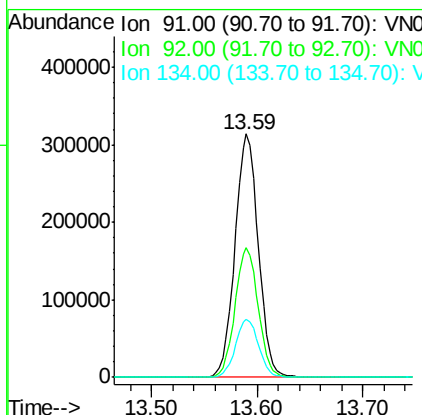
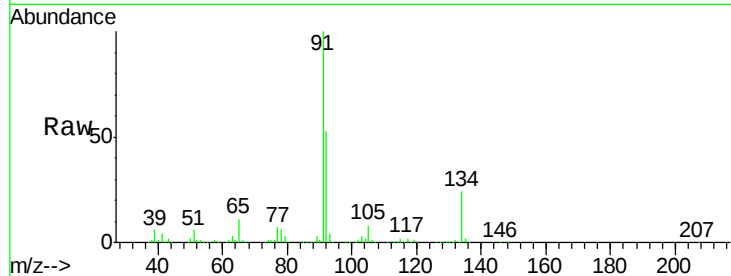
#89
n-Butylbenzene
Concen: 50.292 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.7
134	23.8	12.3	36.9

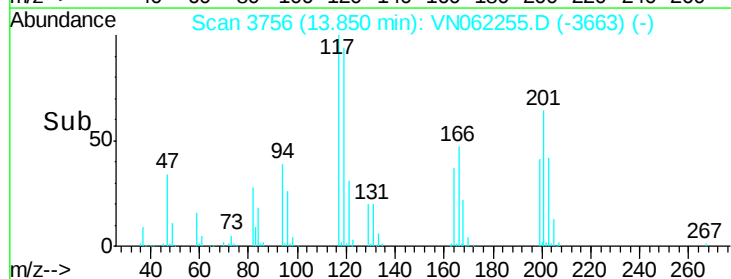
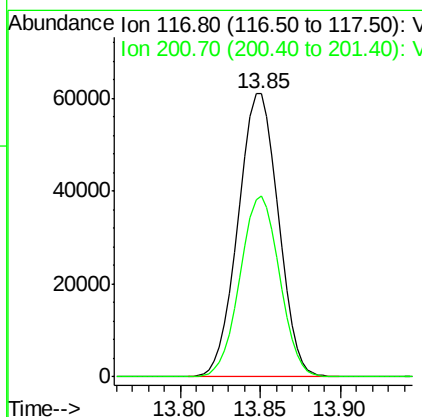
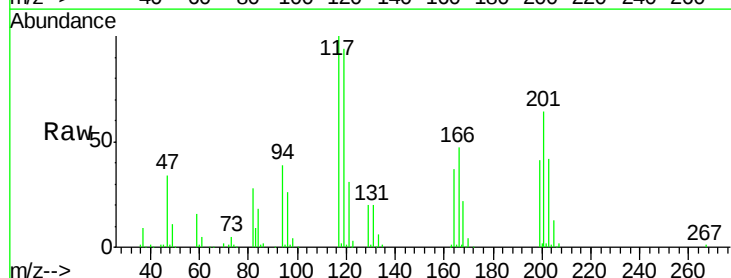
Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:25 AM



#90
Hexachloroethane
Concen: 46.501 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.6	32.7	98.1





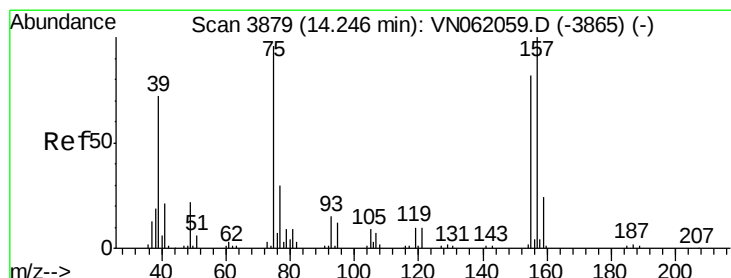
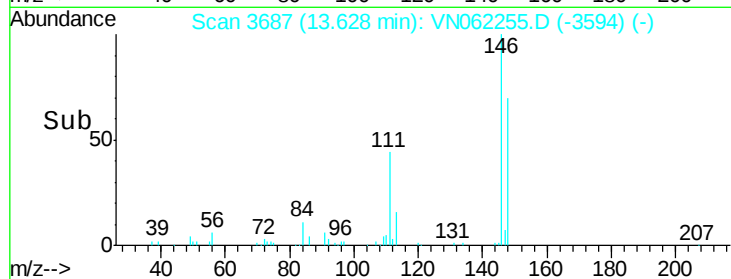
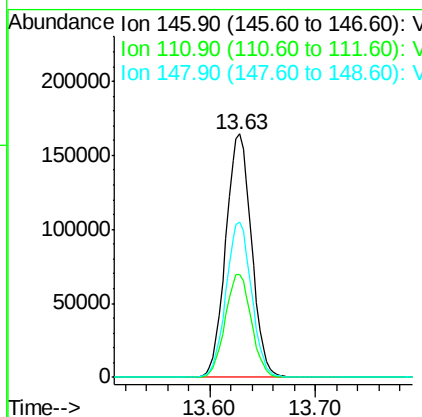
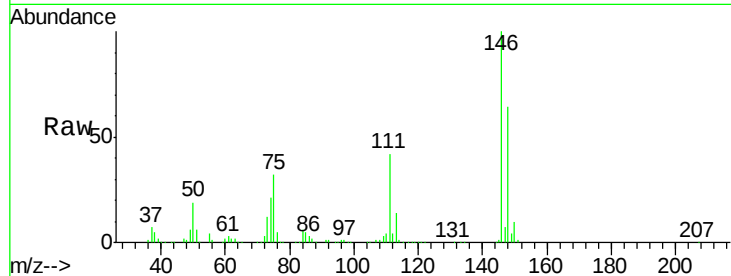
#91
 1,2-Dichlorobenzene
 Concen: 46.012 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.2	63.6
148	63.1	31.9	95.5

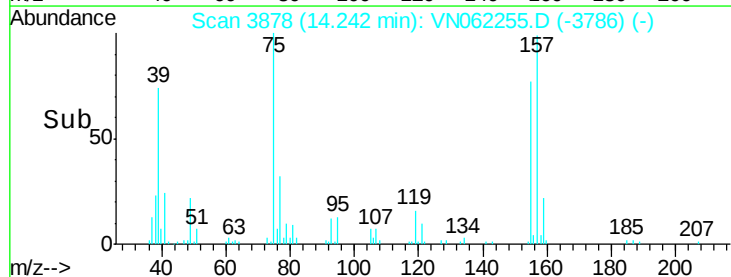
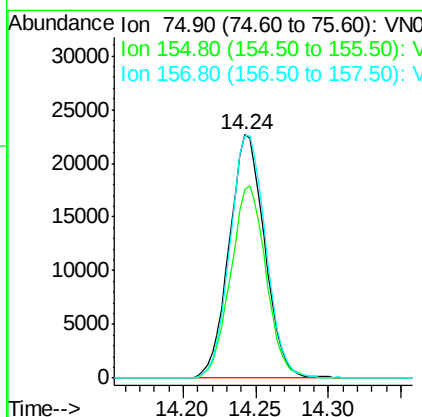
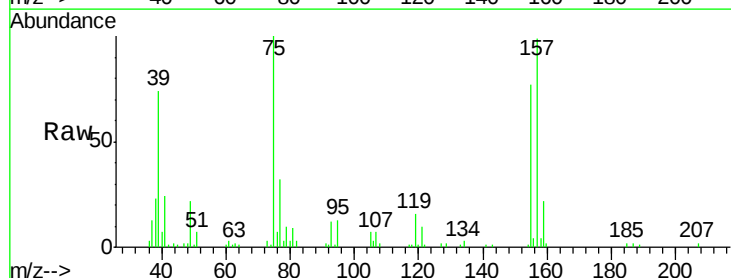
Manual Integrations
 APPROVED

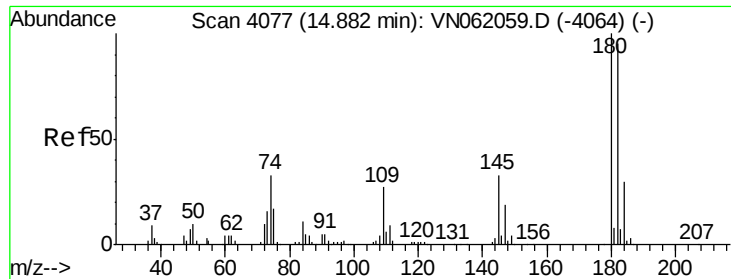
MMDadoda
 7/1/2020 10:16:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.529 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	40.8	122.4
157	100.3	51.4	154.3





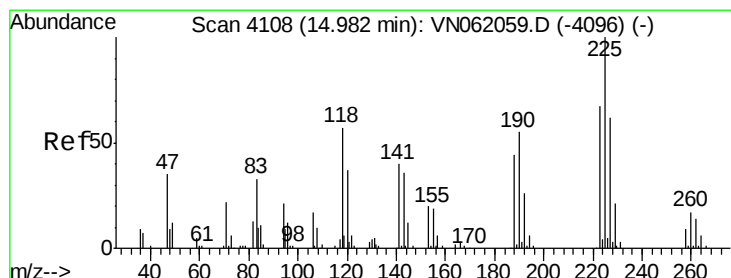
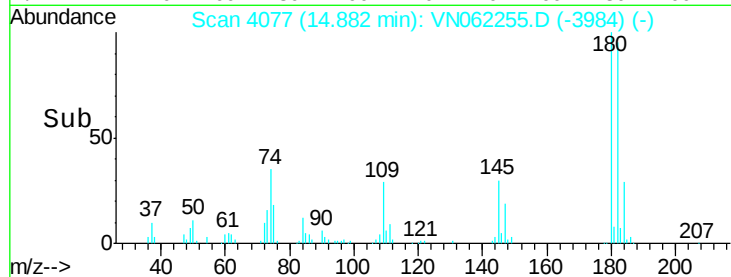
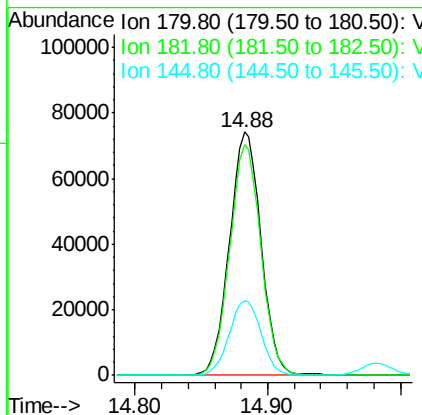
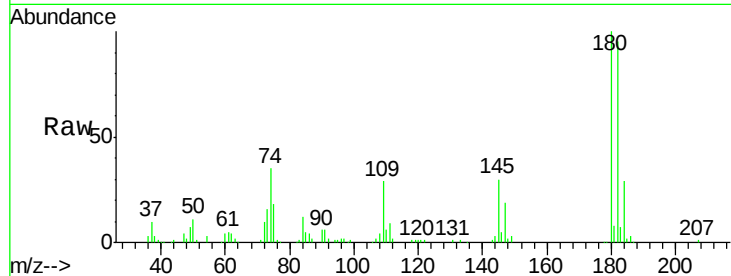
#93
 1,2,4-Trichlorobenzene
 Concen: 46.373 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	122562		
182	93.9	48.0	144.2	
145	31.1	16.0	48.0	

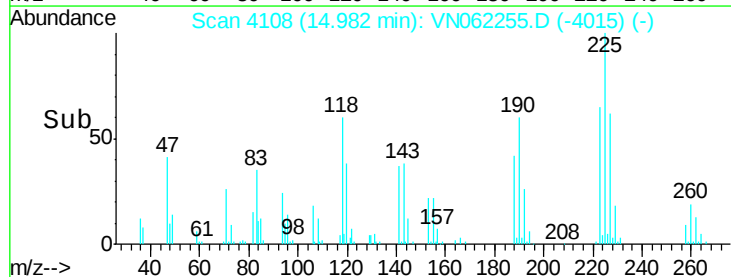
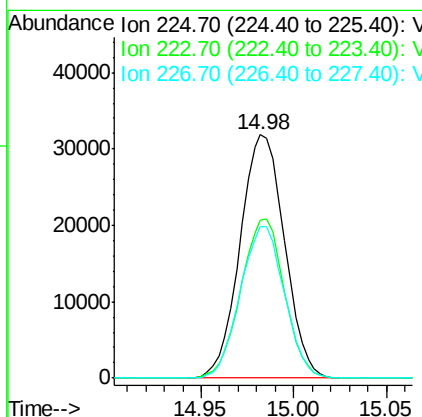
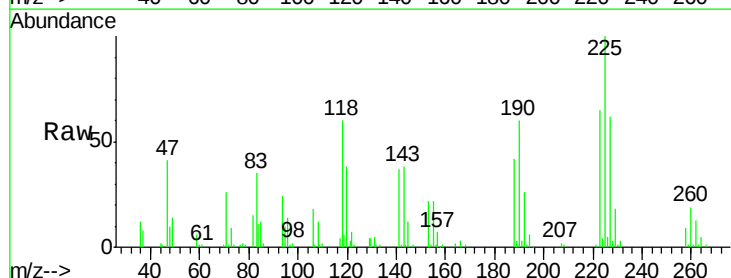
Manual Integrations
 APPROVED

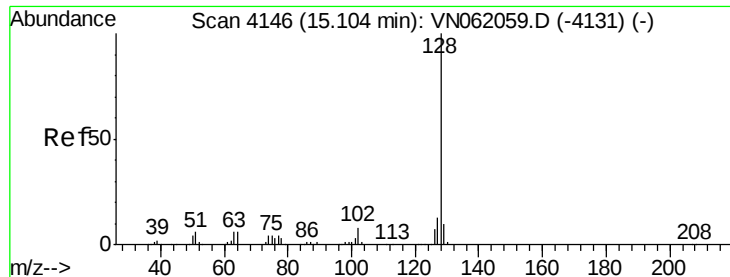
MMDadoda
 7/1/2020 10:16:25 AM



#94
 Hexachlorobutadiene
 Concen: 46.111 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062255.D
 Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52931		
223	63.9	32.9	98.7	
227	62.0	31.3	93.8	





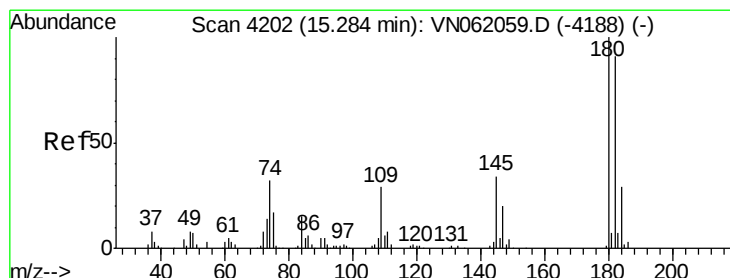
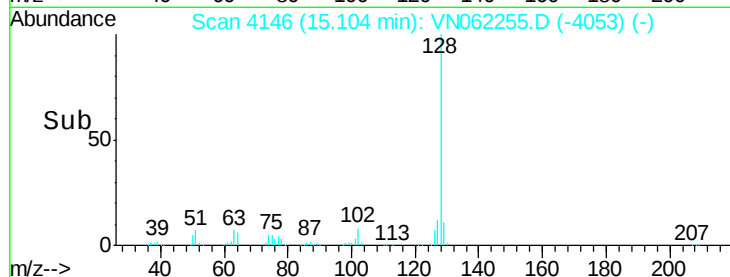
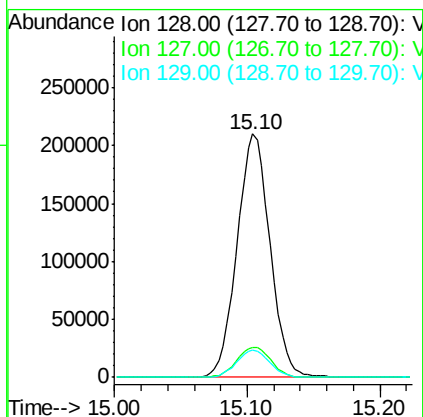
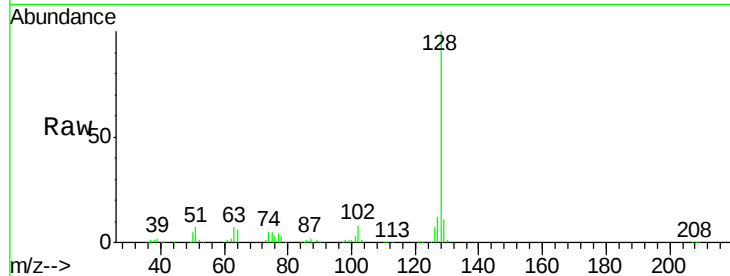
#95
Naphthalene
Concen: 41.836 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.213 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062255.D
Acq: 30 Jun 2020 21:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.8	140.4
145	34.0	16.4	49.2

