

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062945.D
 Acq On : 14 Aug 2020 20:07
 Operator : JC/MD
 Sample : VN0814WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 11:43:48 AM

Quant Time: Aug 17 09:53:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	250266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	414066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	395879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	179409	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	172694	41.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.46%	
35) Dibromofluoromethane	7.55	113	126252	44.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.14%	
50) Toluene-d8	10.06	98	472951	42.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.54%	
62) 4-Bromofluorobenzene	12.38	95	171260	40.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	59215	16.523	ug/l	98
3) Chloromethane	2.03	50	74897	22.147	ug/l	98
4) Vinyl Chloride	2.16	62	68439	21.577	ug/l	100
5) Bromomethane	2.51	94	35955	17.124	ug/l	98
6) Chloroethane	2.65	64	40321	19.323	ug/l	95
7) Trichlorofluoromethane	2.97	101	85172	15.059	ug/l	100
8) Diethyl Ether	3.37	74	29911	18.473	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.72	101	42502	18.071	ug/l	96
10) Methyl Iodide	3.91	142	47438	17.304	ug/l	92
11) Tert butyl alcohol	4.74	59	56589	83.427	ug/l #	86
12) 1,1-Dichloroethene	3.69	96	39788	17.918	ug/l	93
13) Acrolein	3.57	56	33835	82.385	ug/l	99
14) Allyl chloride	4.27	41	82987	18.940	ug/l	92
15) Acrylonitrile	4.93	53	157806	100.305	ug/l	98
16) Acetone	3.78	43	138249	92.447	ug/l	99
17) Carbon Disulfide	4.00	76	106761	17.031	ug/l	98
18) Methyl Acetate	4.28	43	80488	22.126	ug/l	94
19) Methyl tert-butyl Ether	5.00	73	168633	17.392	ug/l	99
20) Methylene Chloride	4.51	84	55225	19.719	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	43033	17.183	ug/l	98
22) Diisopropyl ether	5.90	45	202256	21.684	ug/l	94
23) Vinyl Acetate	5.85	43	662493	93.378	ug/l	100
24) 1,1-Dichloroethane	5.80	63	103353	18.908	ug/l	98
25) 2-Butanone	6.79	43	211407	99.814	ug/l	94
26) 2,2-Dichloropropane	6.77	77	72915	14.471	ug/l	83
27) cis-1,2-Dichloroethene	6.78	96	53788	17.904	ug/l	97
28) Bromochloromethane	7.15	49	53107	20.131	ug/l	90
29) Tetrahydrofuran	7.17	42	141977	103.181	ug/l	93
30) Chloroform	7.33	83	101469	17.467	ug/l	95
31) Cyclohexane	7.61	56	88703	17.678	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	81651	15.721	ug/l	97
36) 1,1-Dichloropropene	7.75	75	64201	15.924	ug/l	98
37) Ethyl Acetate	6.88	43	77790	18.470	ug/l	98
38) Carbon Tetrachloride	7.73	117	67071	14.066	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062945.D
 Acq On : 14 Aug 2020 20:07
 Operator : JC/MD
 Sample : VN0814WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0814WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 11:43:48 AM

Quant Time: Aug 17 09:53:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	73745	15.199	ug/l	98
40) Benzene	8.00	78	211270	17.560	ug/l	98
41) Methacrylonitrile	7.13	41	37735m	19.856	ug/l	
42) 1,2-Dichloroethane	8.08	62	81422	15.901	ug/l	99
43) Isopropyl Acetate	8.13	43	125869	17.918	ug/l	99
44) Trichloroethene	8.80	130	47665	16.262	ug/l	97
45) 1,2-Dichloropropane	9.08	63	61292	18.823	ug/l	98
46) Dibromomethane	9.17	93	37603	17.625	ug/l	97
47) Bromodichloromethane	9.37	83	80914	16.886	ug/l	99
48) Methyl methacrylate	9.17	41	63225	18.298	ug/l	93
49) 1,4-Dioxane	9.17	88	22134	345.713	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	446982	98.342	ug/l	97
52) Toluene	10.12	92	125961	16.957	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	84004	15.938	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	90620	17.124	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	56538	17.821	ug/l	97
56) Ethyl methacrylate	10.40	69	81511	17.069	ug/l	95
57) 1,3-Dichloropropane	10.68	76	97931	18.167	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	91994	68.154	ug/l	96
59) 2-Hexanone	10.72	43	321832	94.923	ug/l	97
60) Dibromochloromethane	10.88	129	60840	16.805	ug/l	99
61) 1,2-Dibromoethane	10.98	107	56210	17.955	ug/l	98
64) Tetrachloroethene	10.60	164	40759	15.957	ug/l	94
65) Chlorobenzene	11.41	112	136649	16.513	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	54175	16.302	ug/l	97
67) Ethyl Benzene	11.48	91	233163	15.745	ug/l	96
68) m/p-Xylenes	11.60	106	172596	32.108	ug/l	94
69) o-Xylene	11.92	106	82683	16.413	ug/l	97
70) Styrene	11.94	104	147751	16.686	ug/l	96
71) Bromoform	12.10	173	44217	16.262	ug/l #	98
73) Isopropylbenzene	12.22	105	225715	16.708	ug/l	100
74) N-amyl acetate	12.05	43	105281	19.231	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	91060	19.148	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	84527m	17.470	ug/l	
77) Bromobenzene	12.50	156	61448	18.306	ug/l	95
78) n-propylbenzene	12.57	91	269205	16.976	ug/l	99
79) 2-Chlorotoluene	12.65	91	167405	16.834	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	196066	16.729	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	27294	17.221	ug/l	96
82) 4-Chlorotoluene	12.75	91	172312	16.814	ug/l	98
83) tert-Butylbenzene	12.97	119	159793	16.113	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	187226	16.698	ug/l	98
85) sec-Butylbenzene	13.15	105	217300	16.686	ug/l	100
86) p-Isopropyltoluene	13.26	119	183649	15.887	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	102082	17.023	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	102358	17.019	ug/l	99
89) n-Butylbenzene	13.59	91	151696	15.516	ug/l	97
90) Hexachloroethane	13.85	117	40565	16.280	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	98241	17.475	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	16915	16.568	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
Data File : VN062945.D
Acq On : 14 Aug 2020 20:07
Operator : JC/MD
Sample : VN0814WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Manual Integrations
APPROVED

MMDadoda
8/17/2020 11:43:48 AM

Quant Time: Aug 17 09:53:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	42811	16.559	ug/l	95
94) Hexachlorobutadiene	14.98	225	29317	15.501	ug/l	98
95) Naphthalene	15.11	128	109899	16.045	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	44247	16.794	ug/l	98

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

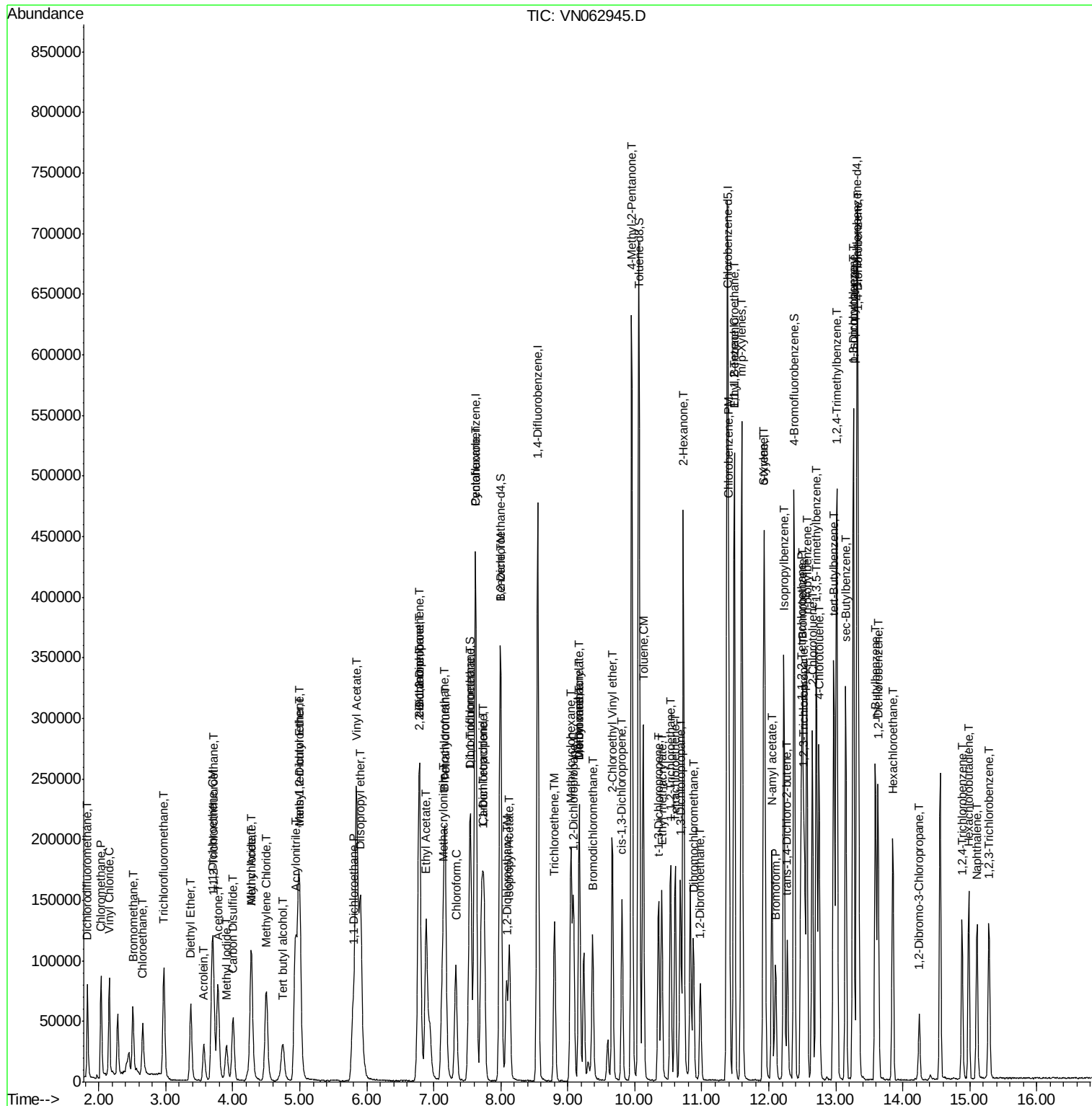
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062945.D
 Acq On : 14 Aug 2020 20:07
 Operator : JC/MD
 Sample : VN0814WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

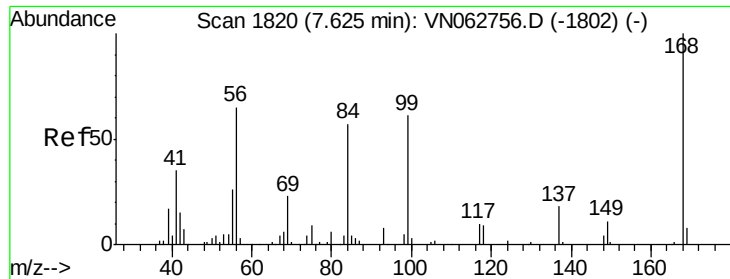
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0814WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 11:43:48 AM

Quant Time: Aug 17 09:53:34 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 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: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion:168 Resp: 250266

Ion Ratio Lower Upper

168 100

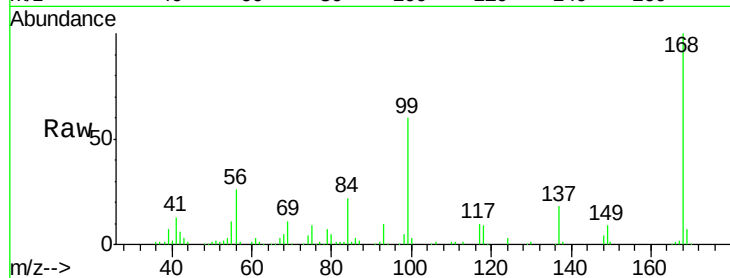
99 59.6 52.9 79.3

Manual Integrations

APPROVED

MMDadoda

8/17/2020 11:43:48 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

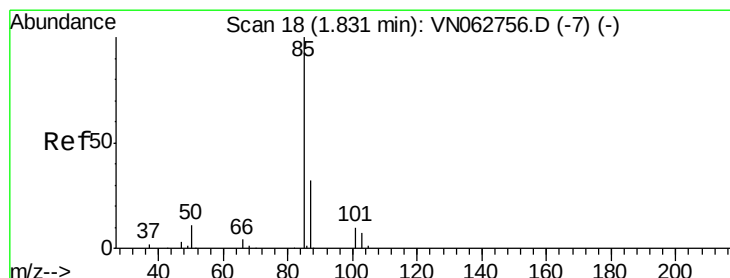
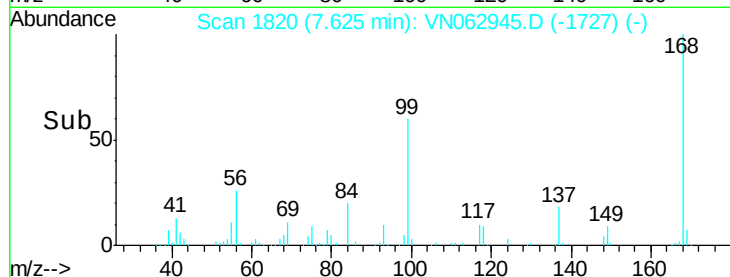
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 16.523 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062945.D

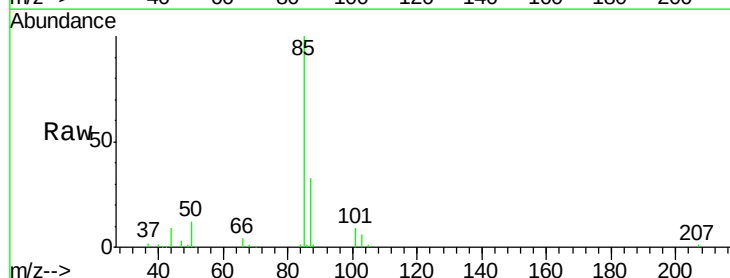
Acq: 14 Aug 2020 20:07

Tgt Ion: 85 Resp: 59215

Ion Ratio Lower Upper

85 100

87 33.3 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

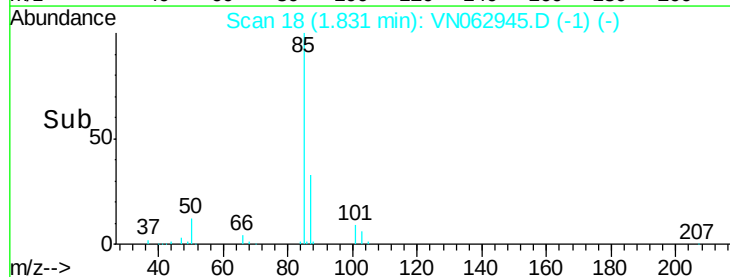
30000

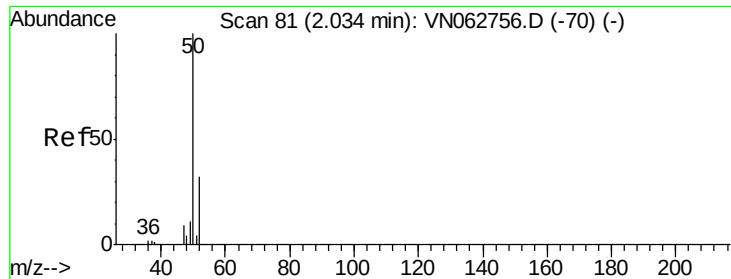
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 22.147 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion: 50 Resp: 74897

Ion Ratio Lower Upper

50 100

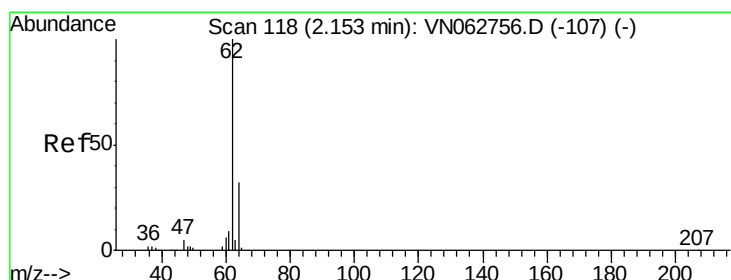
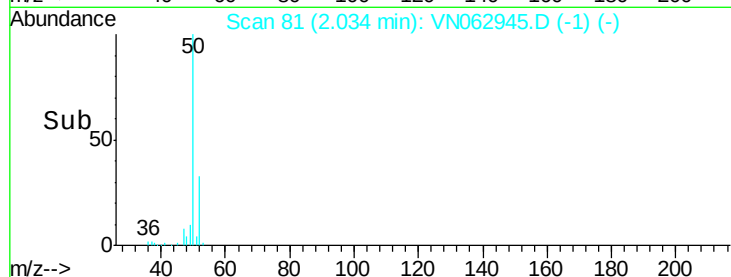
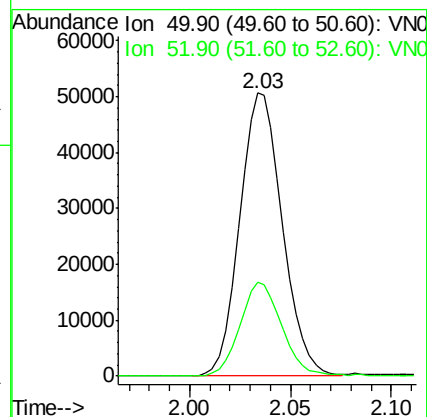
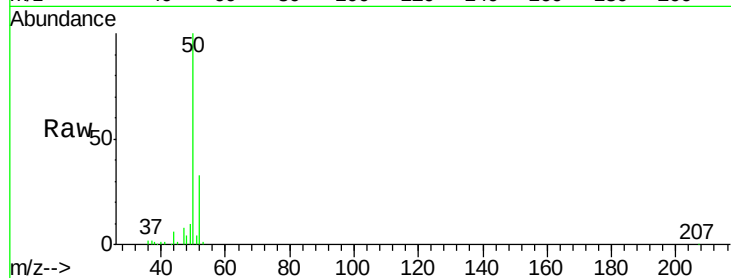
52 33.2 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

8/17/2020 11:43:48 AM



#4

Vinyl Chloride

Concen: 21.577 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062945.D

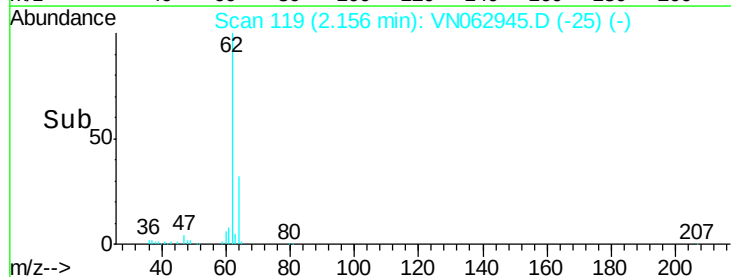
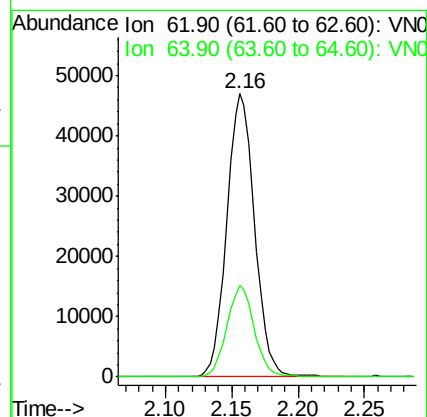
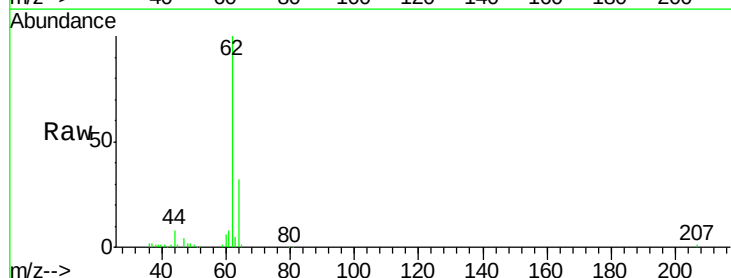
Acq: 14 Aug 2020 20:07

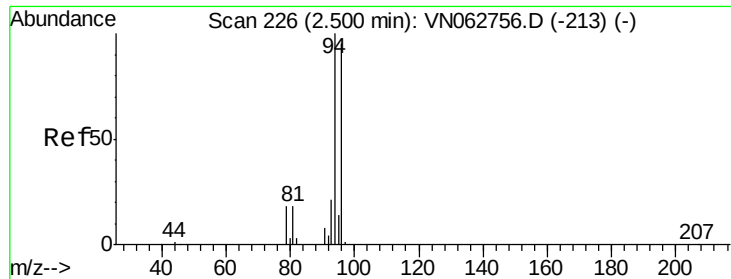
Tgt Ion: 62 Resp: 68439

Ion Ratio Lower Upper

62 100

64 32.1 25.8 38.8





#5

Bromomethane

Concen: 17.124 ug/l

RT: 2.51 min Scan# 229

Delta R.T. 0.01 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion: 94 Resp: 35955

Ion Ratio Lower Upper

94 100

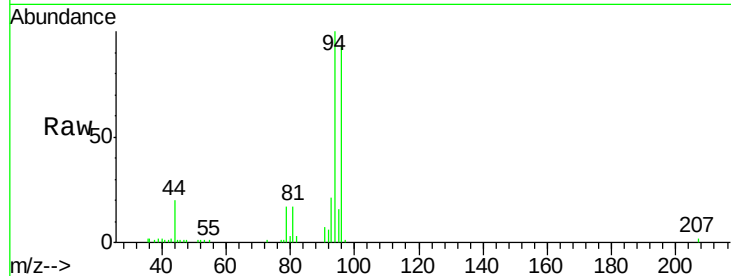
96 92.9 76.2 114.4

Manual Integrations

APPROVED

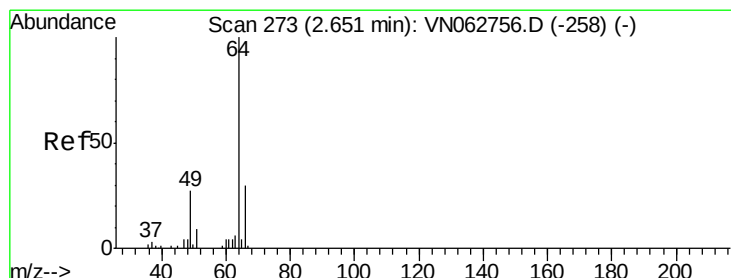
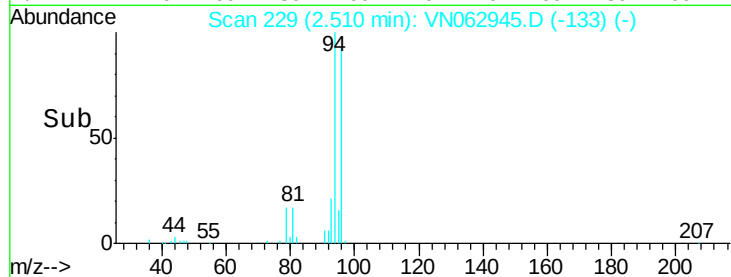
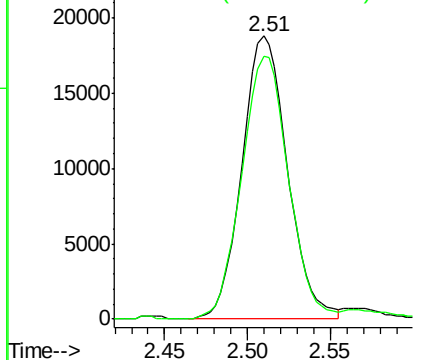
MMDadoda

8/17/2020 11:43:48 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.323 ug/l

RT: 2.65 min Scan# 274

Delta R.T. 0.00 min

Lab File: VN062945.D

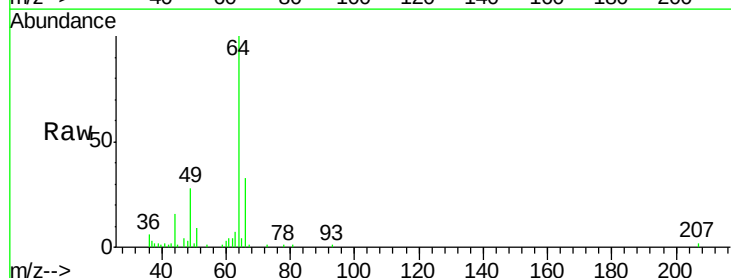
Acq: 14 Aug 2020 20:07

Tgt Ion: 64 Resp: 40321

Ion Ratio Lower Upper

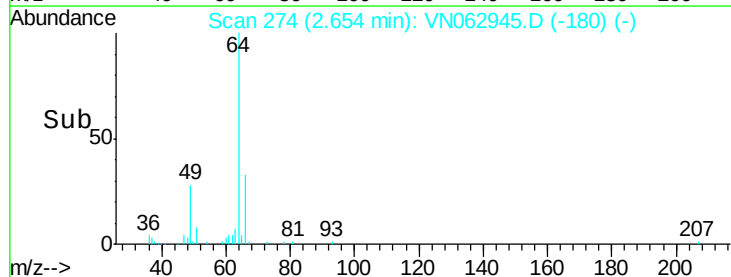
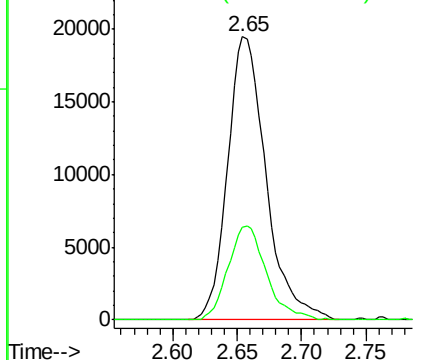
64 100

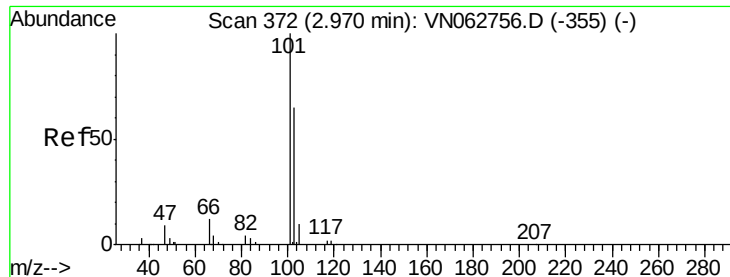
66 32.8 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

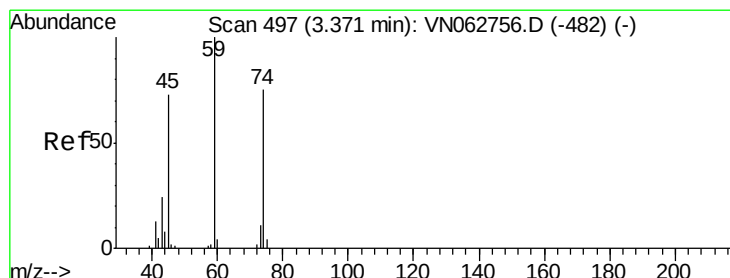
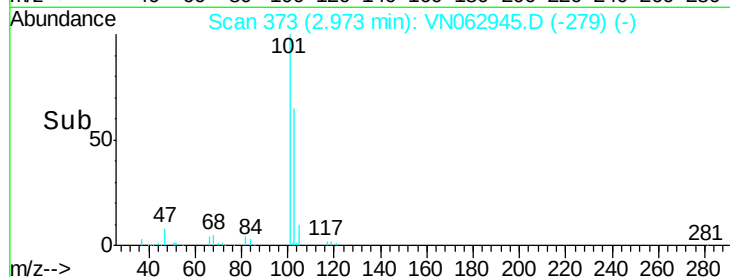
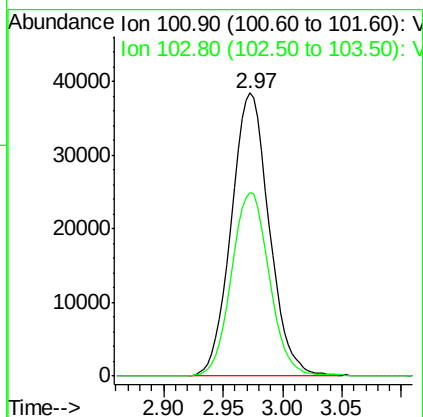
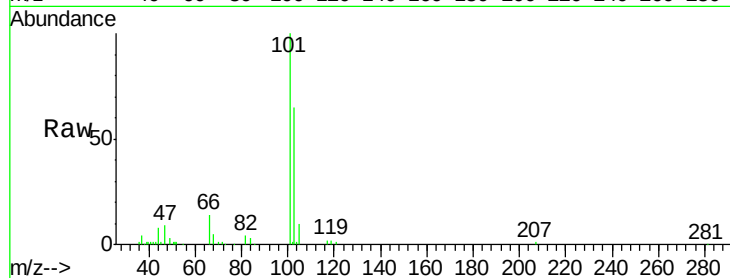
Trichlorofluoromethane
Concen: 15.059 ug/l
RT: 2.97 min Scan# 373
Delta R.T. 0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.3	78.5

Manual Integrations
APPROVED

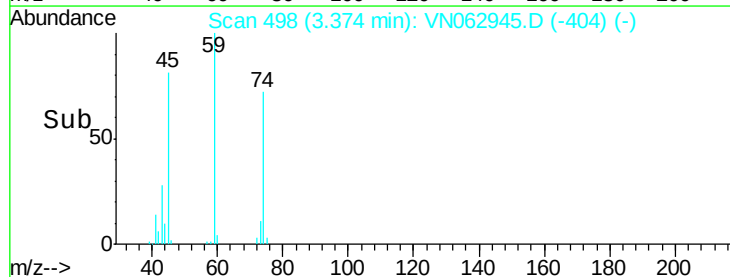
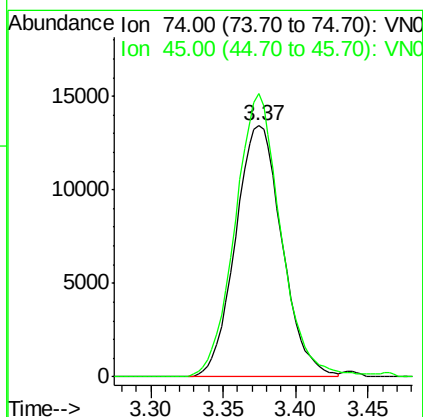
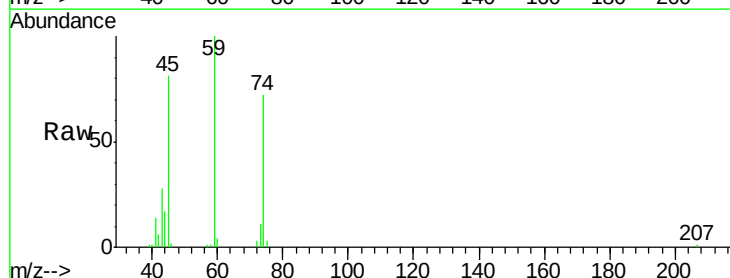
MMDadoda
8/17/2020 11:43:48 AM

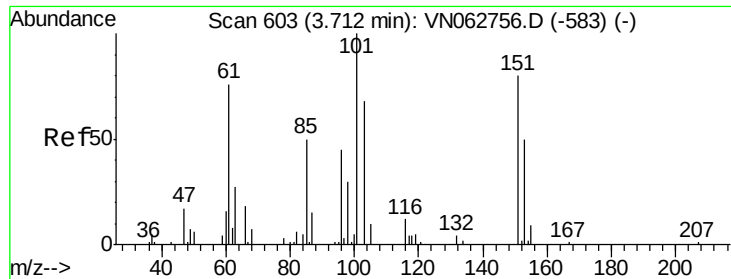


#8

Diethyl Ether
Concen: 18.473 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.8	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.071 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

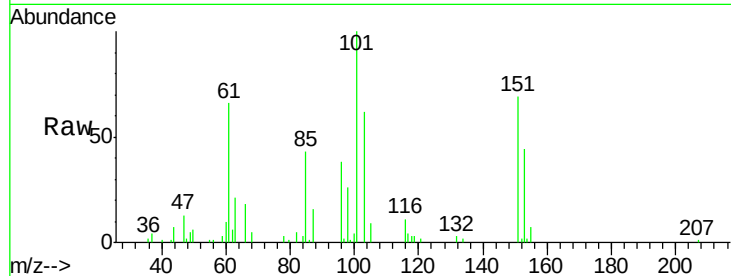
ClientSampleId :

VN0814WBSD02

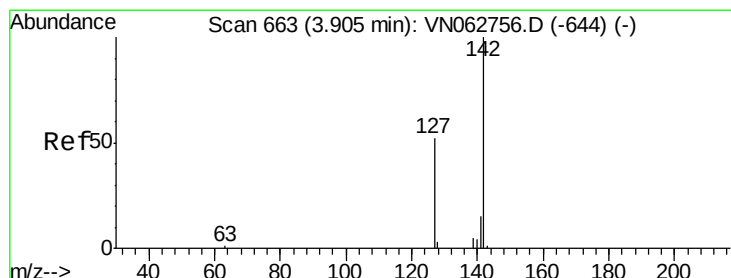
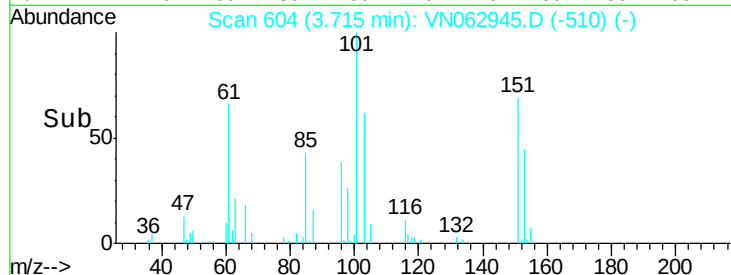
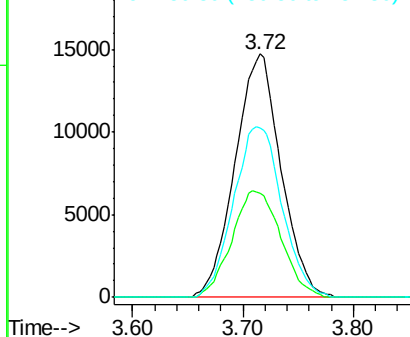
Tot Ion:	101	Resp:	42502
Ion Ratio	Lower	Upper	
101	100		
85	46.6	38.5	57.7
151	74.0	63.0	94.6

Manual Integrations
APPROVED

MMDadoda
8/17/2020 11:43:48 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.304 ug/l

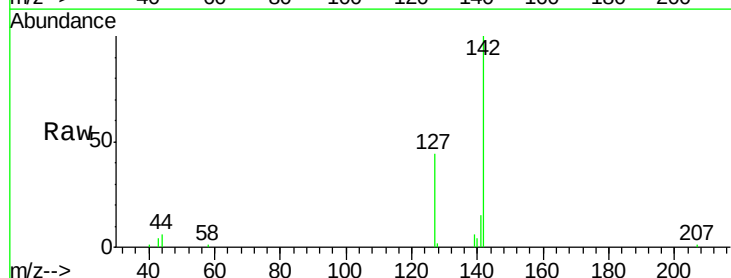
RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

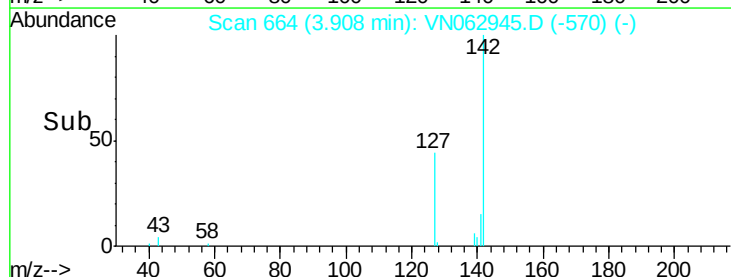
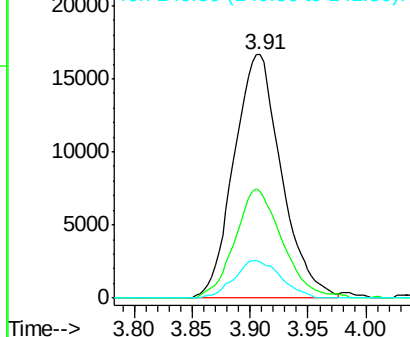
Lab File: VN062945.D

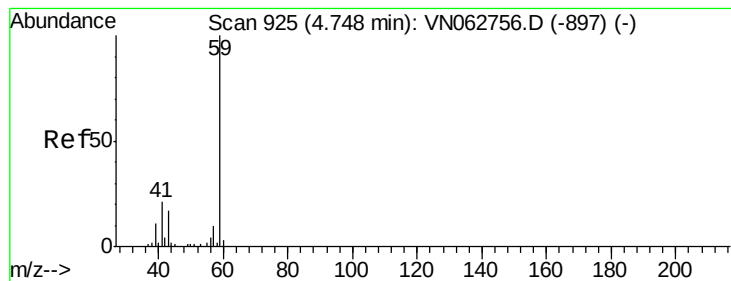
Acq: 14 Aug 2020 20:07

Tgt Ion:	142	Resp:	47438
Ion Ratio	Lower	Upper	
142	100		
127	44.6	41.4	62.0
141	15.2	12.2	18.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 83.427 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.01 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion: 59 Resp: 56589

Ion Ratio Lower Upper

59 100

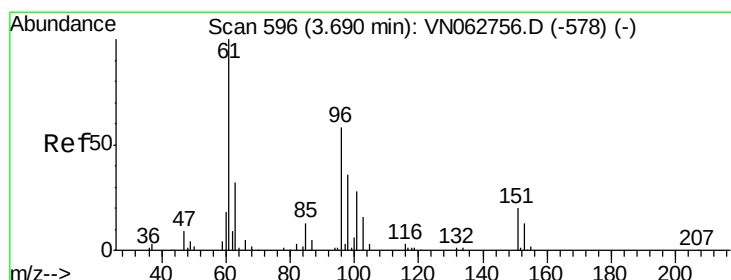
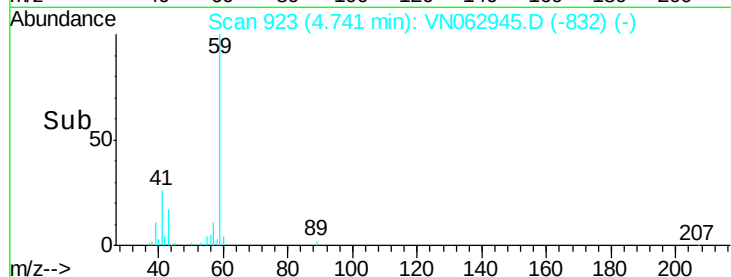
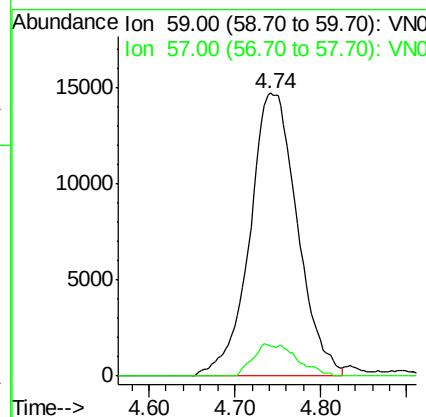
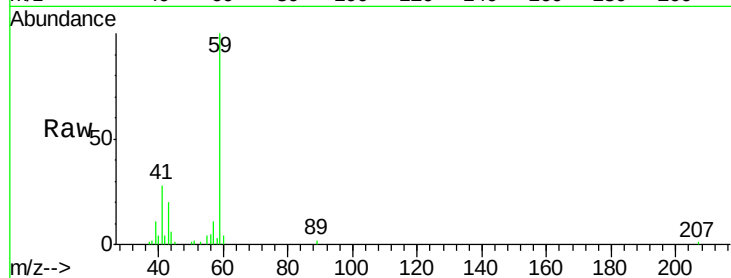
57 5.3 8.3 12.5#

Manual Integrations

APPROVED

MMDadoda

8/17/2020 11:43:48 AM



#12

1,1-Dichloroethene

Concen: 17.918 ug/l

RT: 3.69 min Scan# 596

Delta R.T. 0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

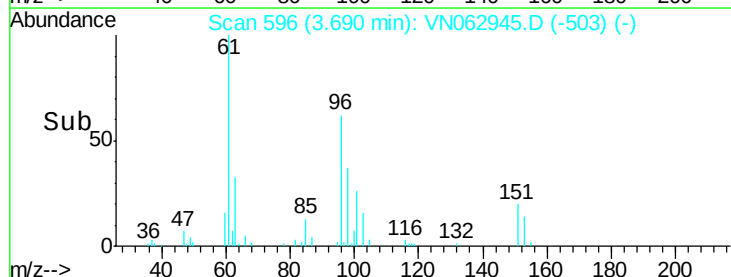
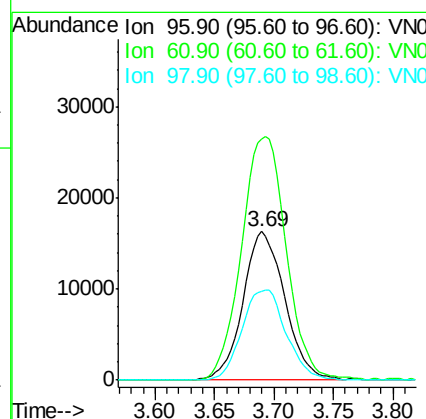
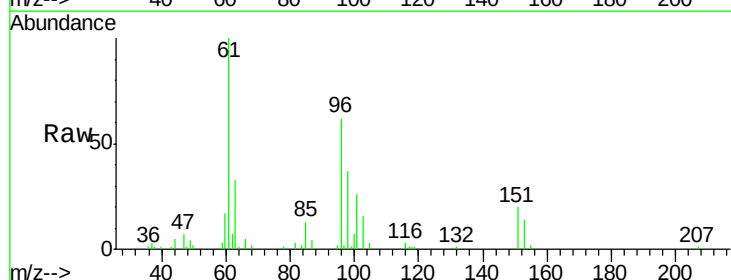
Tgt Ion: 96 Resp: 39788

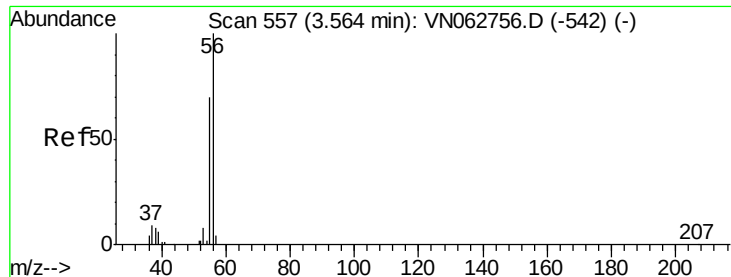
Ion Ratio Lower Upper

96 100

61 161.7 139.0 208.6

98 59.7 50.2 75.4





#13

Acrolein

Concen: 82.385 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion: 56 Resp: 33835

Ion Ratio Lower Upper

56 100

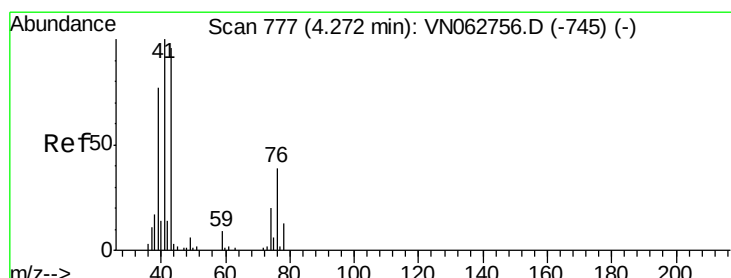
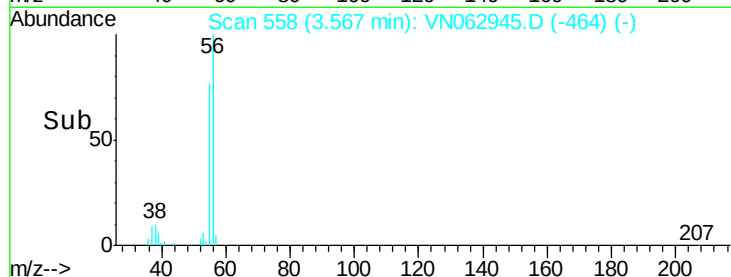
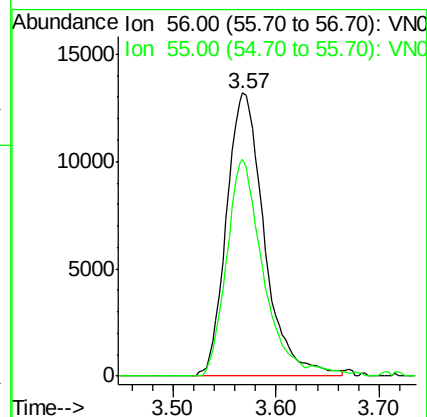
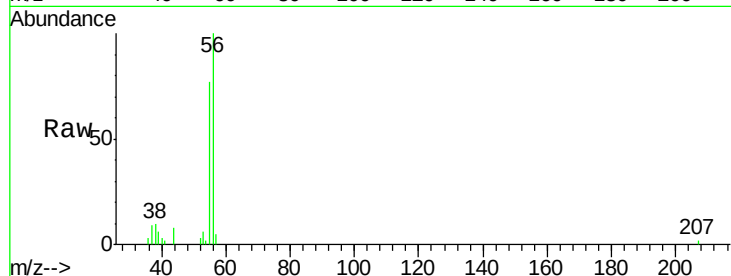
55 71.9 57.0 85.6

Manual Integrations

APPROVED

MMDadoda

8/17/2020 11:43:48 AM



#14

Allyl chloride

Concen: 18.940 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

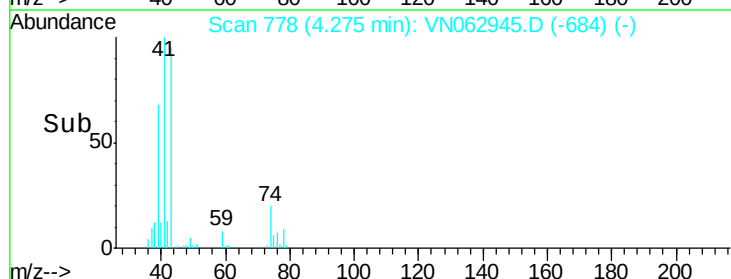
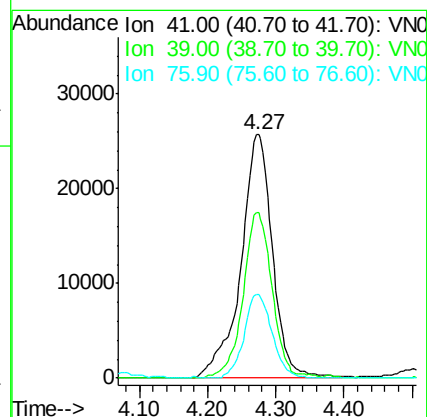
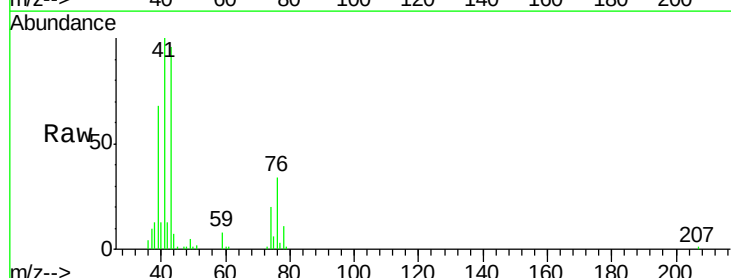
Tgt Ion: 41 Resp: 82987

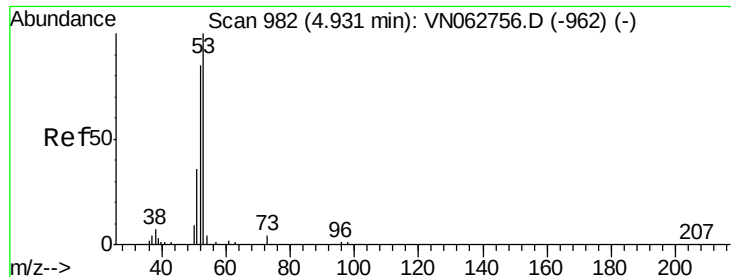
Ion Ratio Lower Upper

41 100

39 62.5 55.7 83.5

76 30.3 27.5 41.3





#15

Acrylonitrile

Concen: 100.305 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

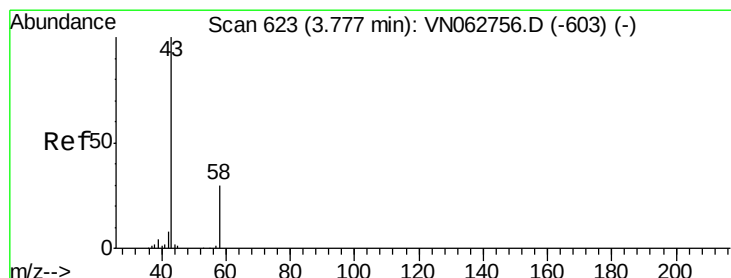
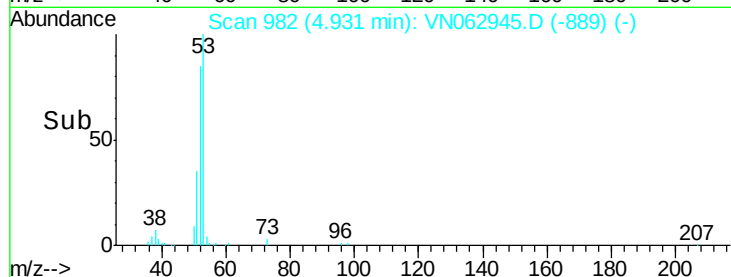
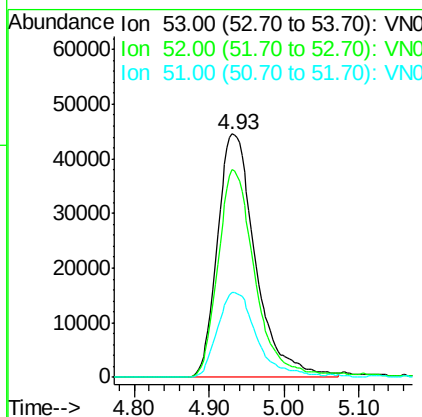
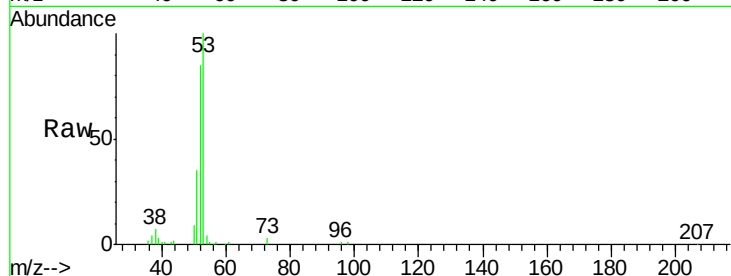
ClientSampleId :

VN0814WBSD02

Tot Ion:	53	Resp:	157806
Ion Ratio		Lower	Upper
53	100		
52	81.3	66.8	100.2
51	36.0	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
8/17/2020 11:43:48 AM



#16

Acetone

Concen: 92.447 ug/l

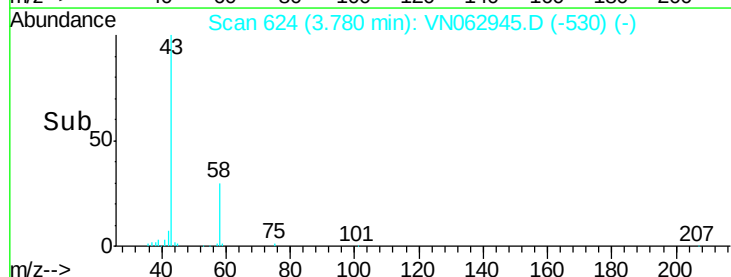
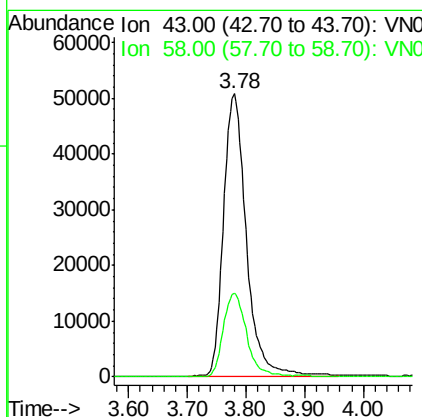
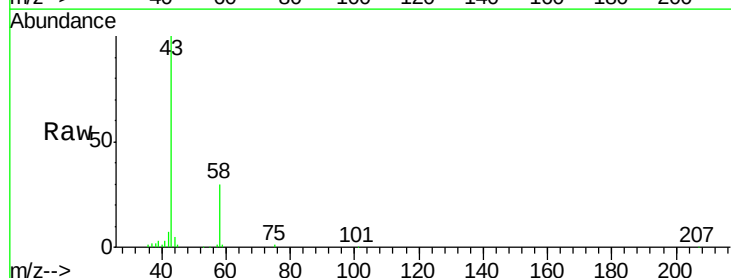
RT: 3.78 min Scan# 624

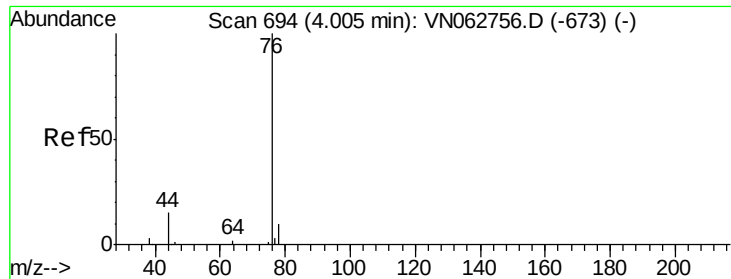
Delta R.T. 0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Tgt Ion:	43	Resp:	138249
Ion Ratio		Lower	Upper
43	100		
58	29.7	24.1	36.1





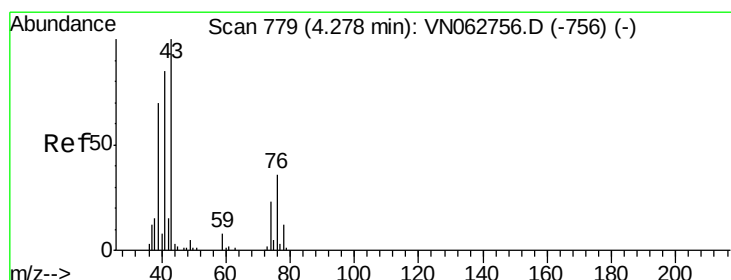
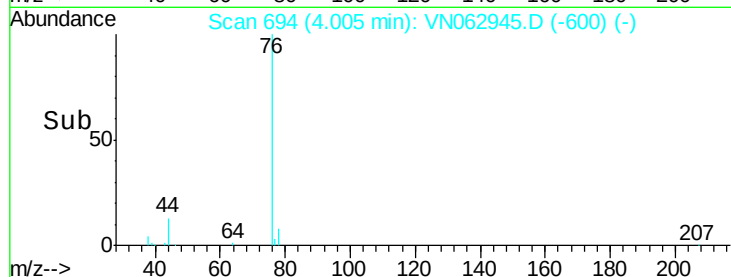
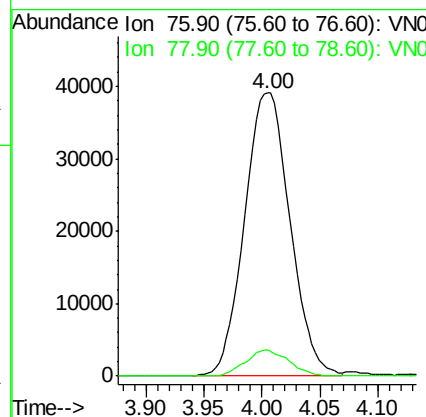
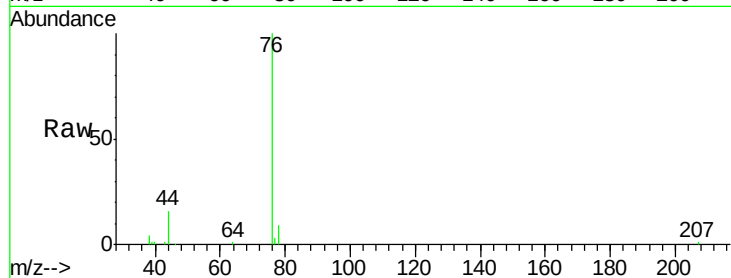
#17
Carbon Disulfide
Concen: 17.031 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.7	11.5

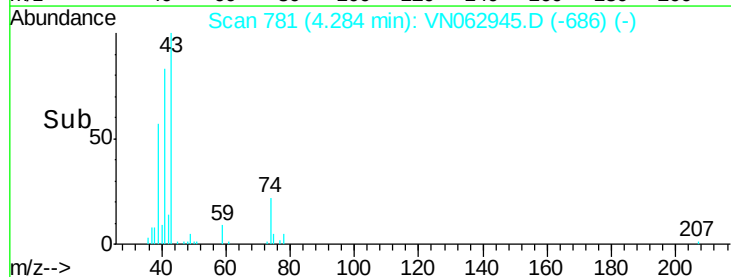
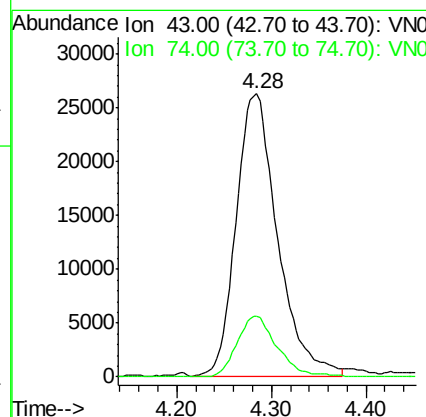
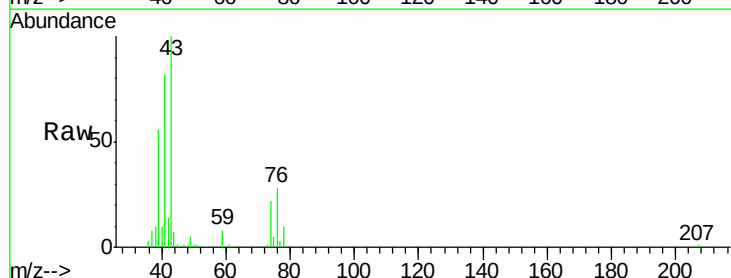
Manual Integrations
APPROVED

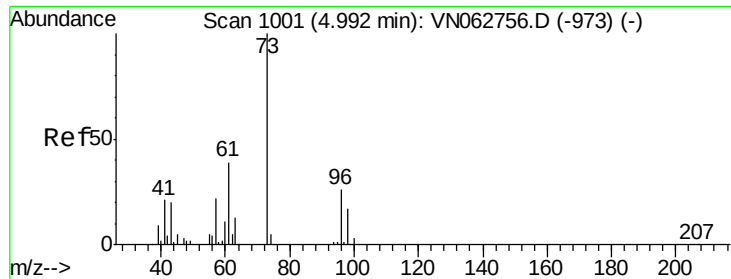
MMDadoda
8/17/2020 11:43:48 AM



#18
Methyl Acetate
Concen: 22.126 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	18.6	28.0





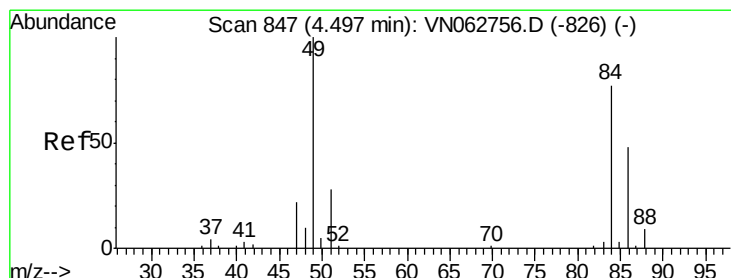
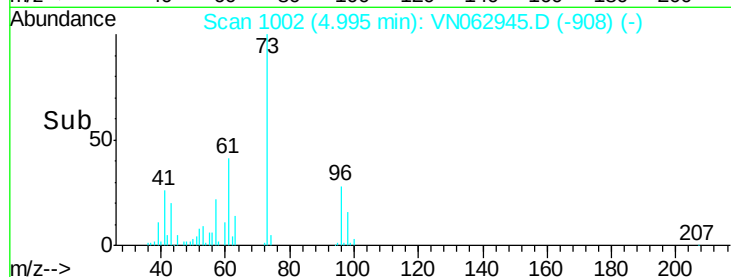
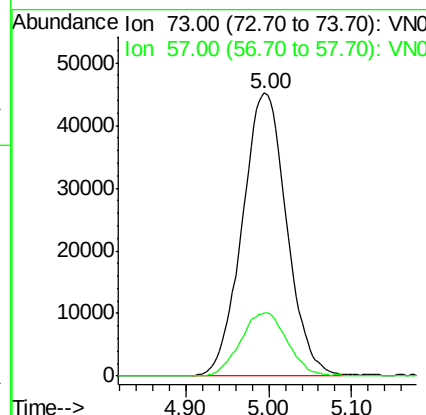
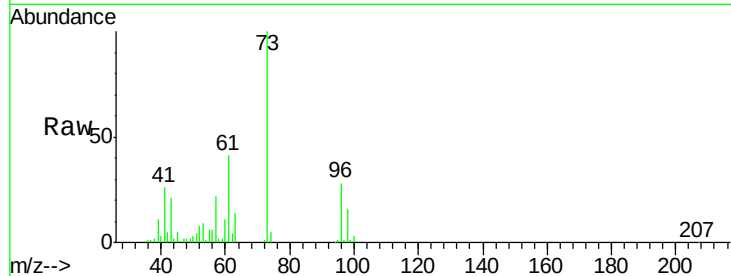
#19
Methyl tert-butyl Ether
Concen: 17.392 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	73	Resp	168633
Ion Ratio	Lower	Upper	
73	100		
57	22.4	17.5	26.3

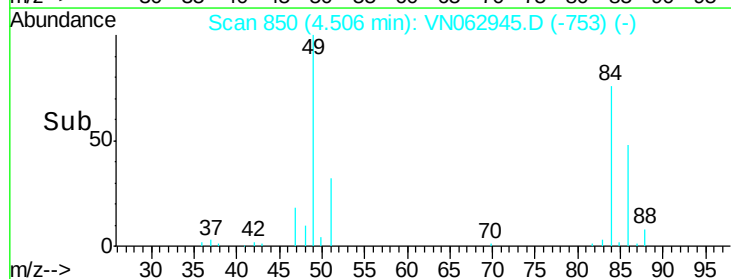
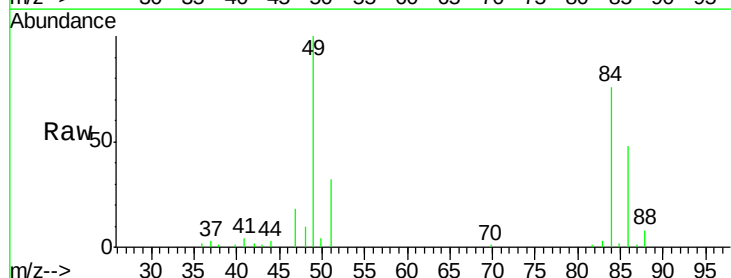
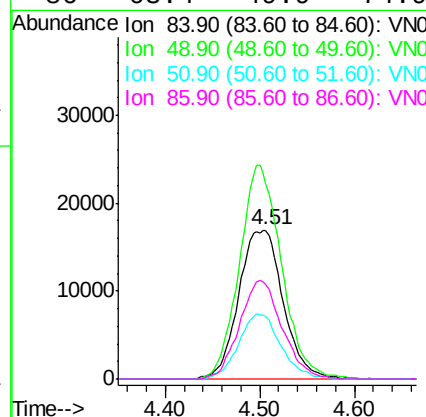
Manual Integrations
APPROVED

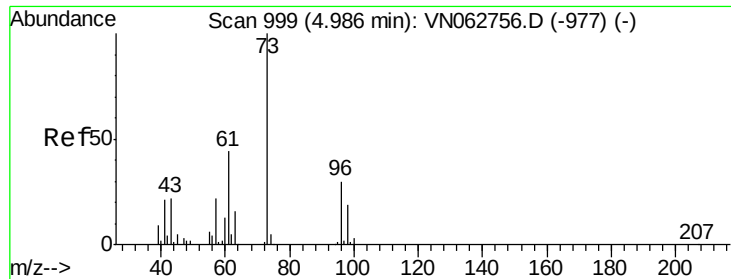
MMDadoda
8/17/2020 11:43:48 AM



#20
Methylene Chloride
Concen: 19.719 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	84	Resp	55225
Ion Ratio	Lower	Upper	
84	100		
49	131.3	103.4	155.2
51	42.1	29.3	43.9
86	63.4	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 17.183 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

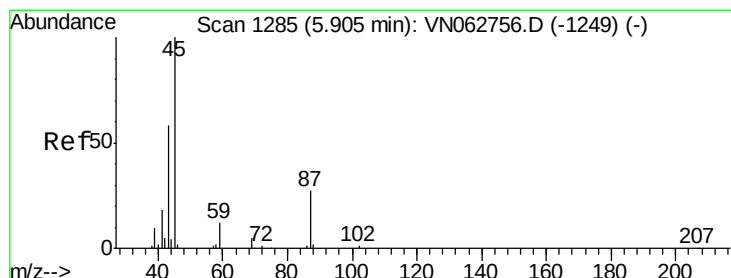
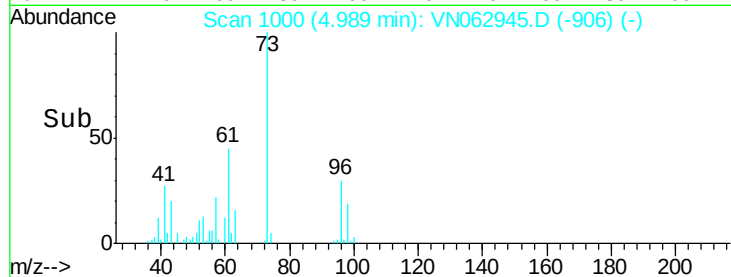
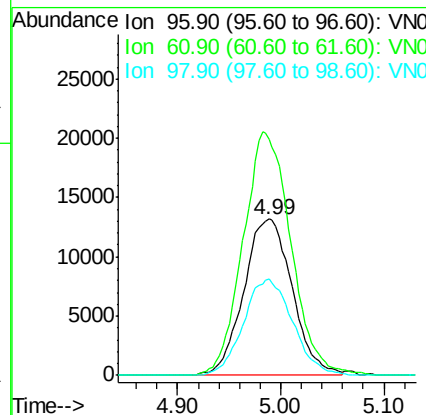
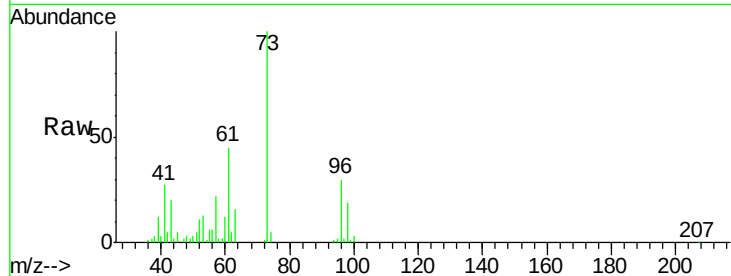
ClientSampleId :

VN0814WBSD02

Tot Ion:	96	Resp:	43033
Ion	Ratio	Lower	Upper
96	100		
61	150.7	118.8	178.2
98	61.4	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
8/17/2020 11:43:48 AM



#22

Diisopropyl ether

Concen: 21.684 ug/l

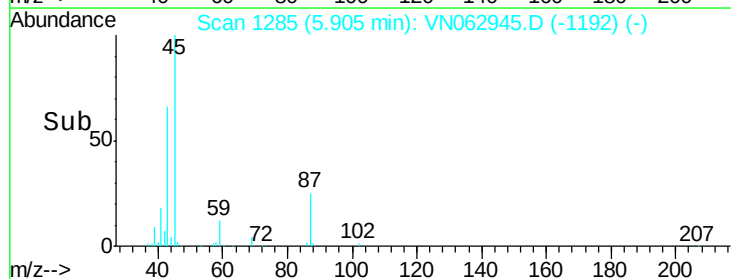
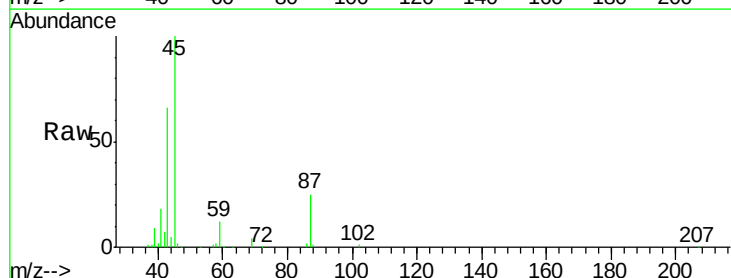
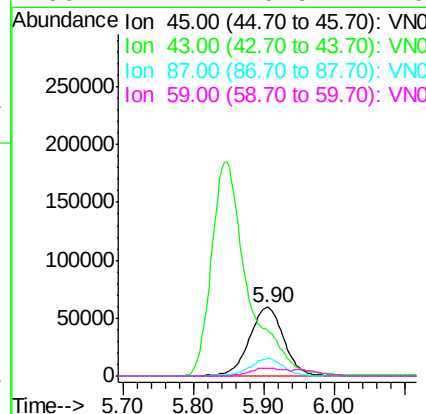
RT: 5.90 min Scan# 1285

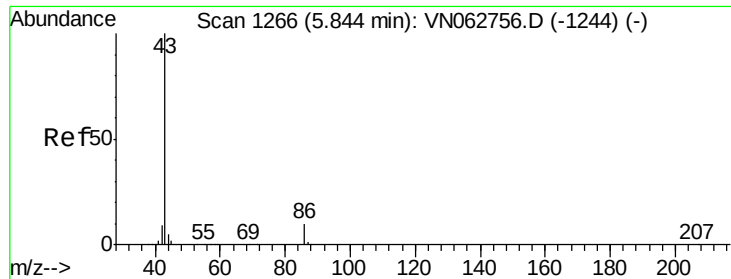
Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Tgt Ion:	45	Resp:	202256
Ion	Ratio	Lower	Upper
45	100		
43	63.9	47.4	71.2
87	25.5	22.8	34.2
59	11.4	9.9	14.9





#23

Vinyl Acetate

Concen: 93.378 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion: 43 Resp: 662493

Ion Ratio Lower Upper

43 100

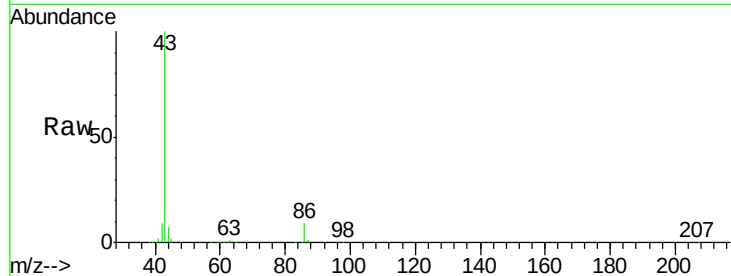
86 9.5 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

8/17/2020 11:43:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.85

200000

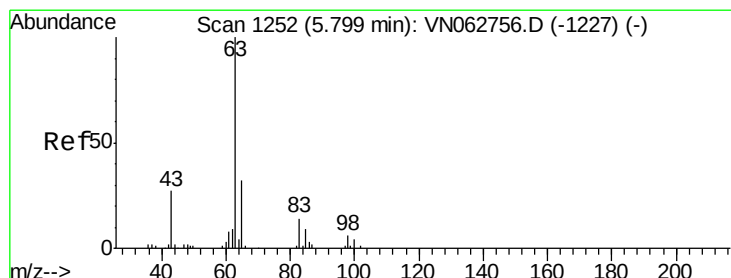
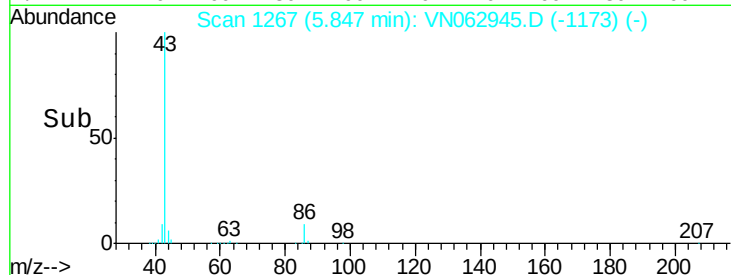
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.908 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

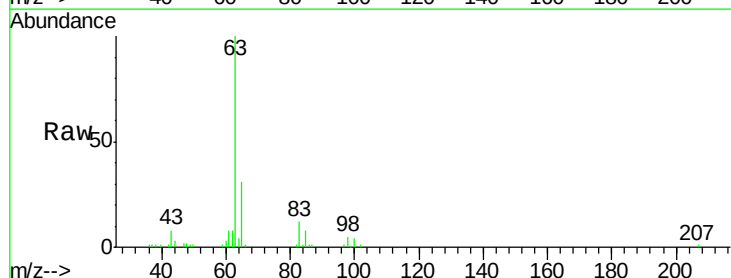
Tgt Ion: 63 Resp: 103353

Ion Ratio Lower Upper

63 100

98 5.2 3.0 9.2

100 3.6 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

40000

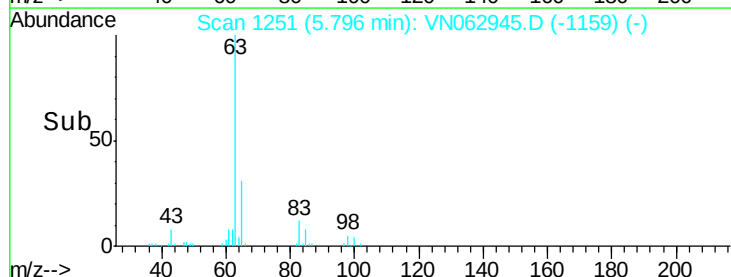
30000

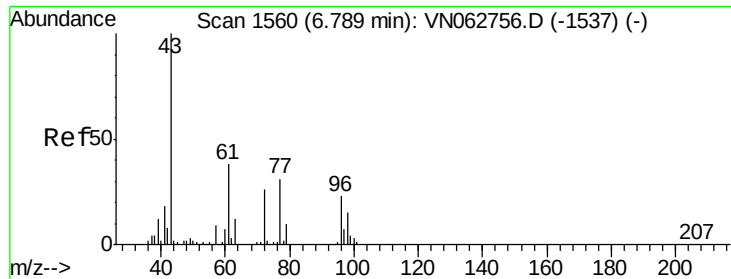
20000

10000

0

Time-->





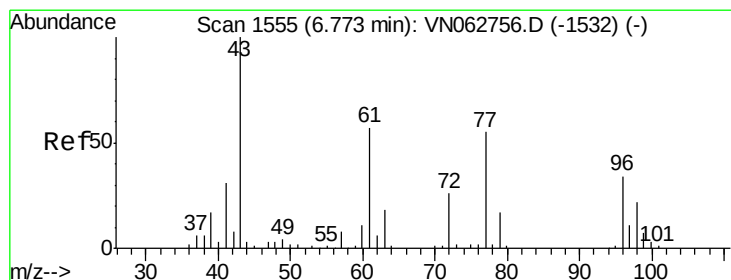
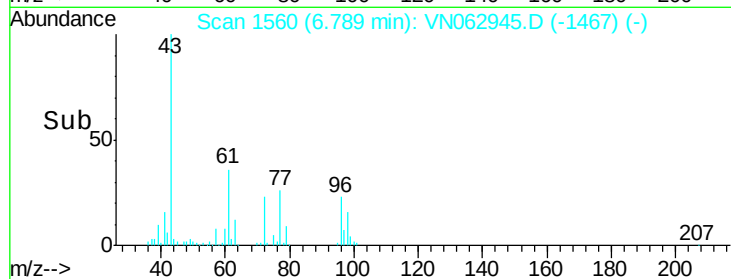
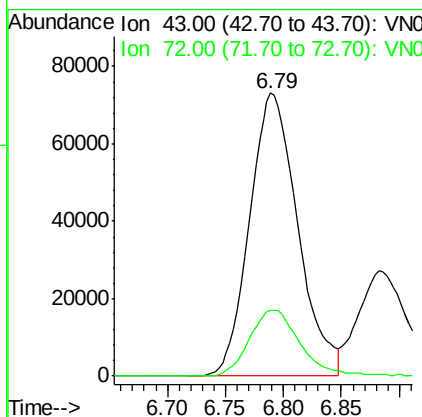
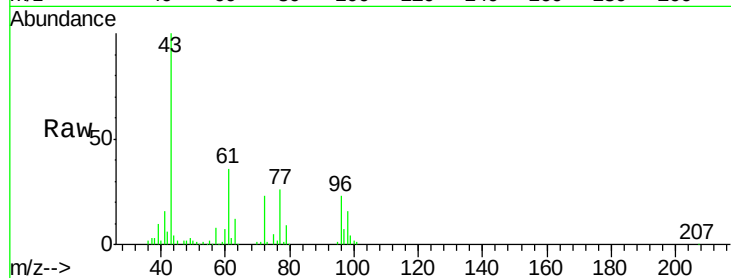
#25
2-Butanone
Concen: 99.814 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	43	Resp	211407
Ion Ratio	100	Lower	Upper
72	23.2	21.1	31.7

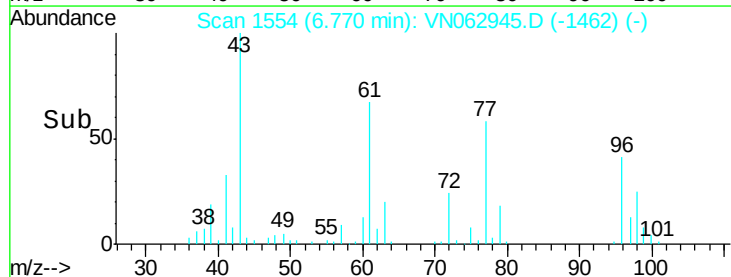
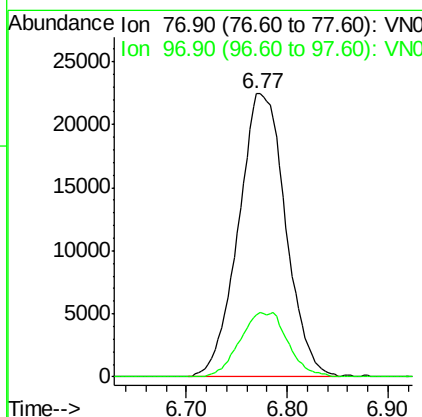
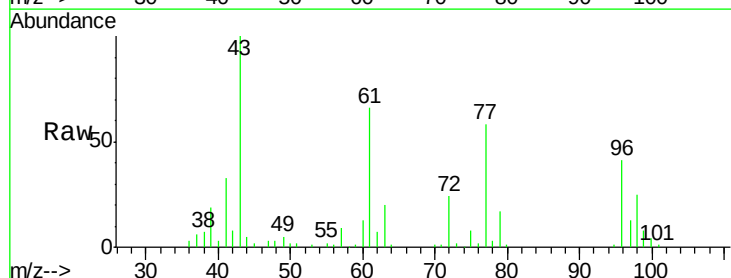
Manual Integrations
APPROVED

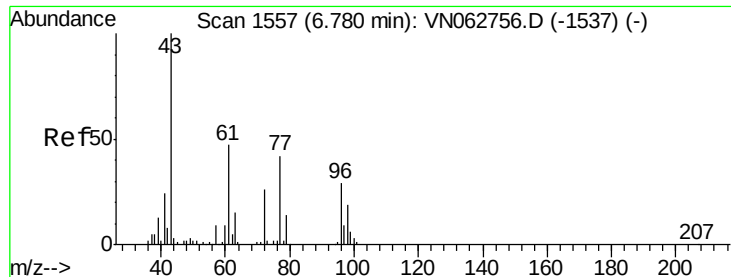
MMDadoda
8/17/2020 11:43:48 AM



#26
2,2-Dichloropropane
Concen: 14.471 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	77	Resp	72915
Ion Ratio	100	Lower	Upper
97	13.2	10.5	31.6





#27

cis-1,2-Dichloroethene

Concen: 17.904 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

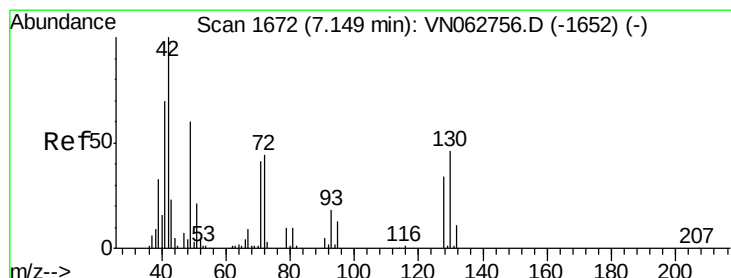
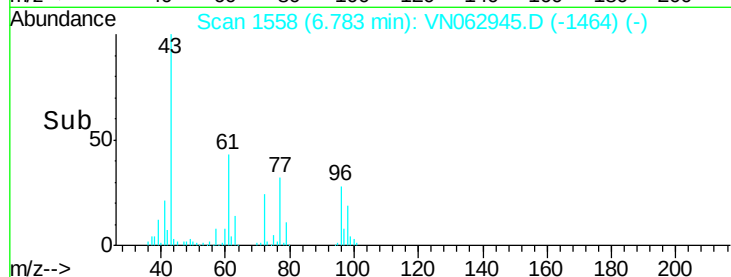
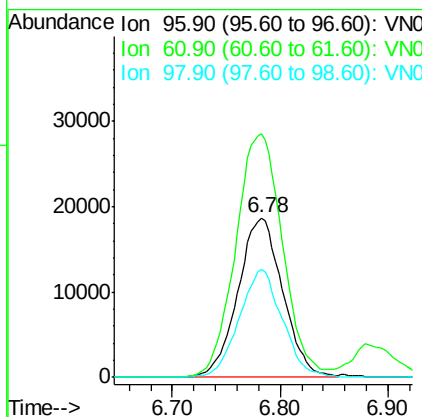
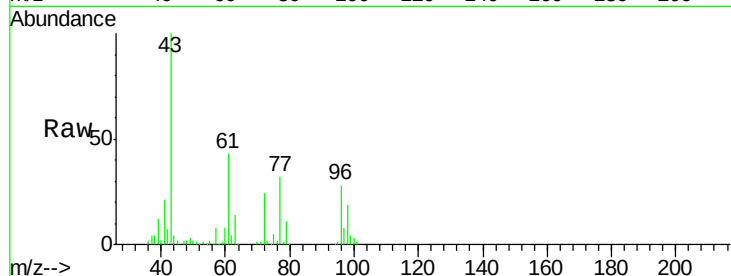
ClientSampled :

VN0814WBSD02

Tot Ion:	96	Resp:	53788
Ion	Ratio	Lower	Upper
96	100		
61	160.3	0.0	332.2
98	65.2	0.0	129.4

Manual Integrations
APPROVED

MMDadoda
8/17/2020 11:43:48 AM



#28

Bromochloromethane

Concen: 20.131 ug/l

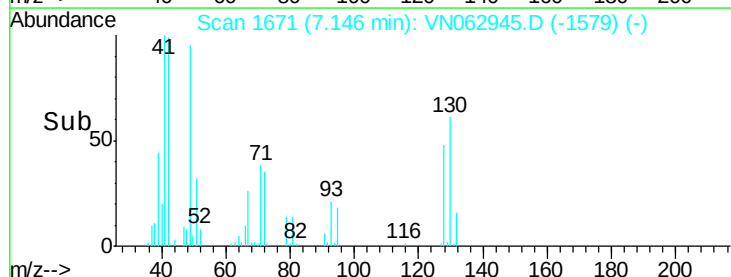
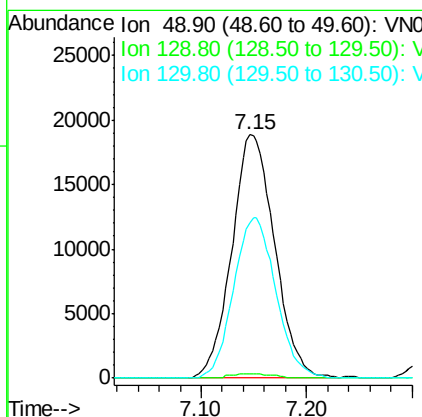
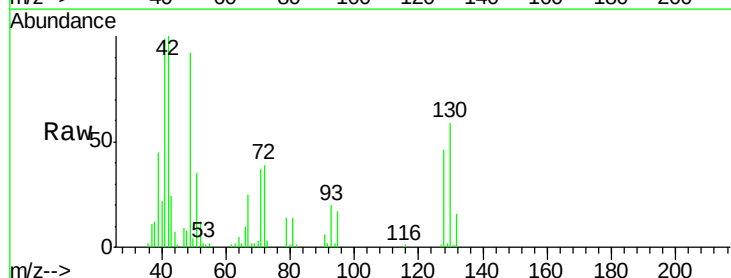
RT: 7.15 min Scan# 1671

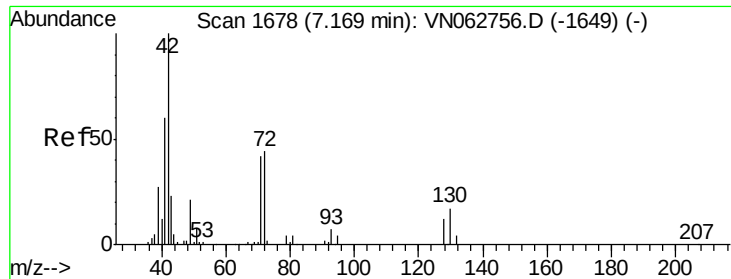
Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Tgt Ion:	49	Resp:	53107
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	64.9	59.0	88.6





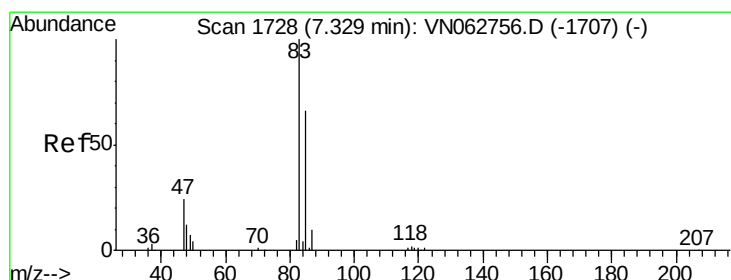
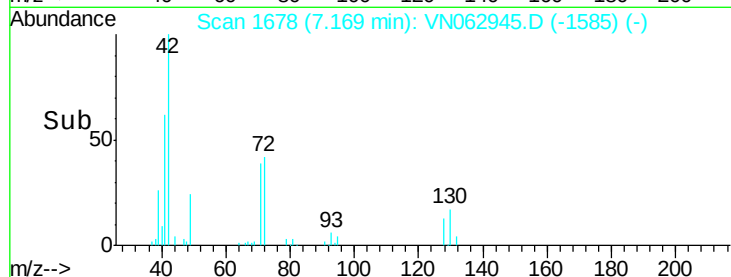
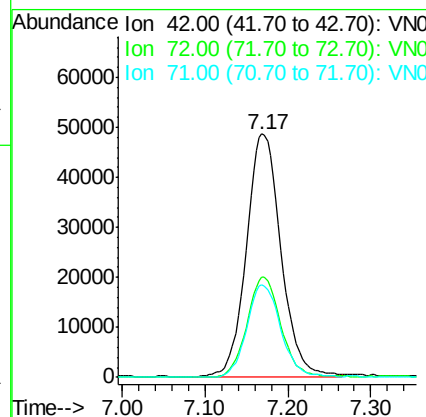
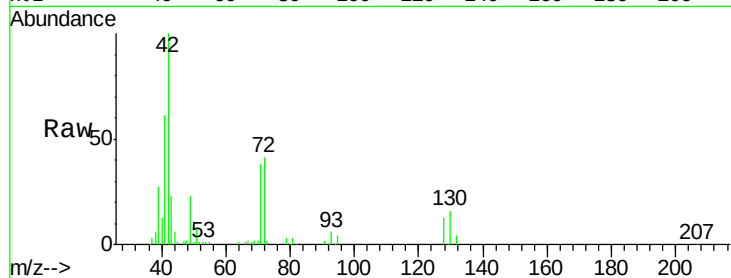
#29
Tetrahydrofuran
Concen: 103.181 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	35.0	52.4
71	36.6	33.2	49.8

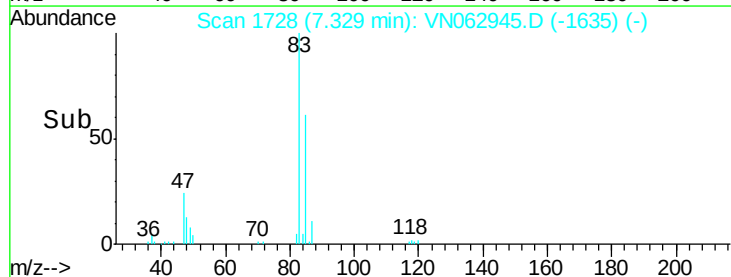
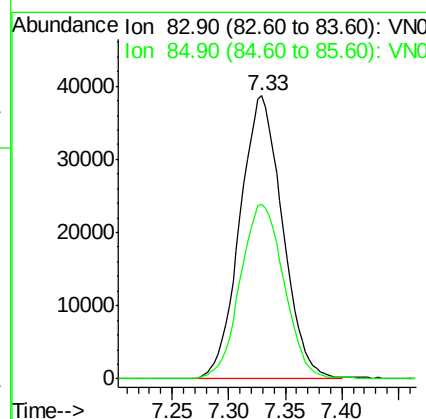
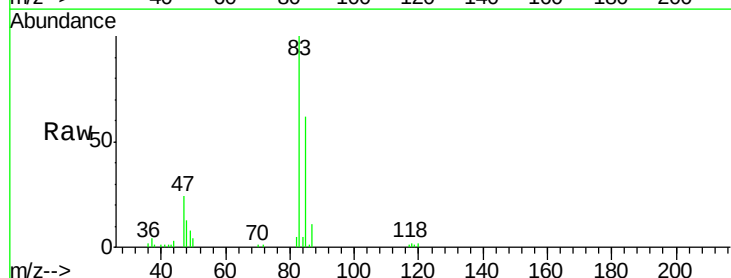
Manual Integrations
APPROVED

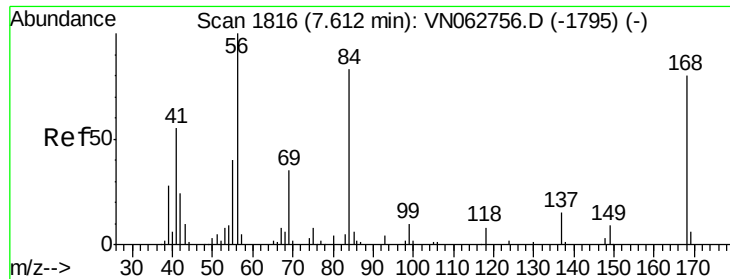
MMDadoda
8/17/2020 11:43:48 AM



#30
Chloroform
Concen: 17.467 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.7	79.1





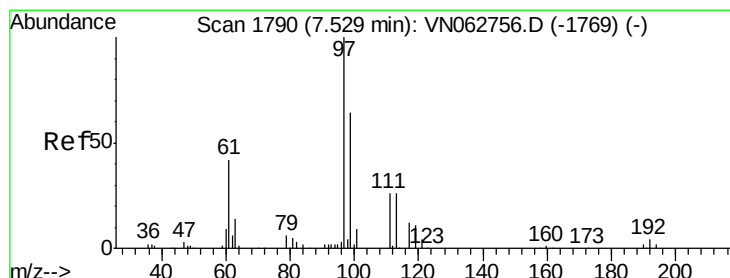
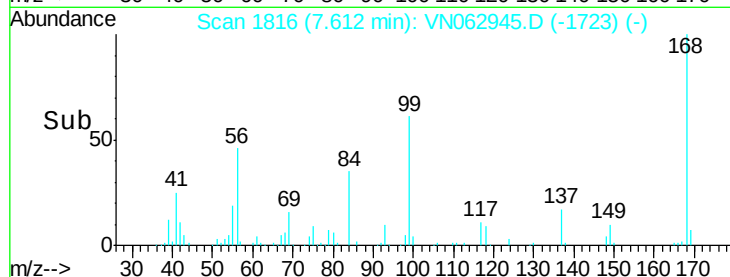
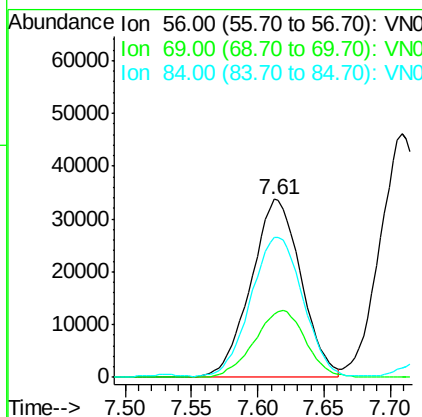
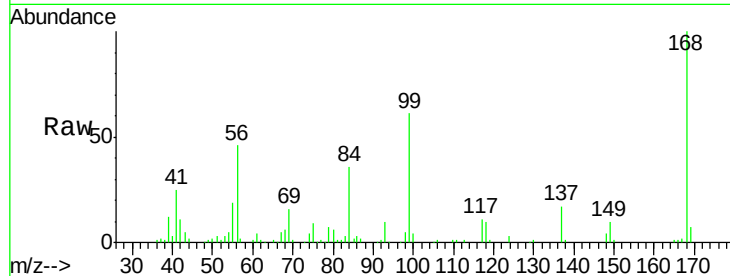
#31
Cyclohexane
Concen: 17.678 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	28.1	42.1
84	77.8	66.8	100.2

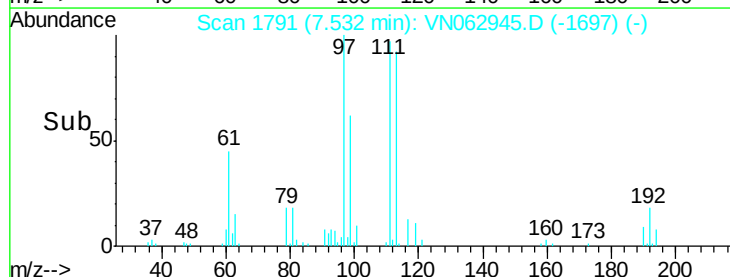
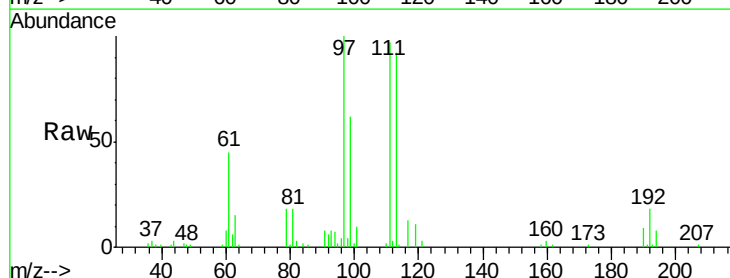
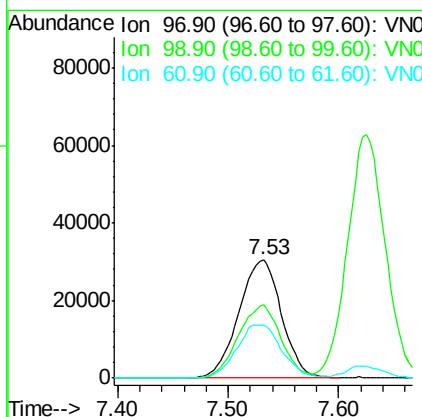
Manual Integrations
APPROVED

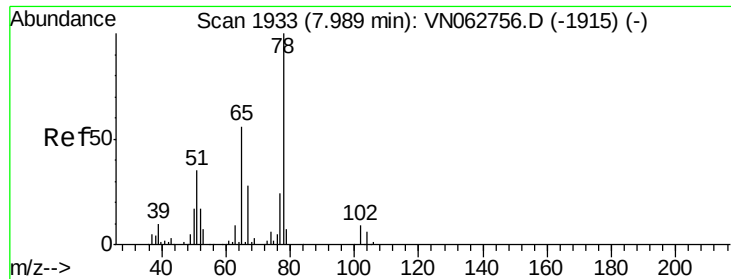
MMDadoda
8/17/2020 11:43:48 AM



#32
1,1,1-Trichloroethane
Concen: 15.721 ug/l
RT: 7.53 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.1	50.0	75.0
61	47.2	34.8	52.2





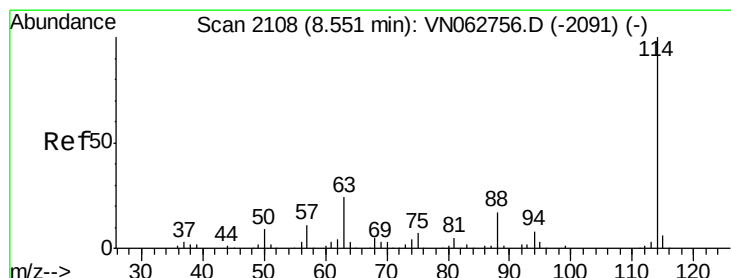
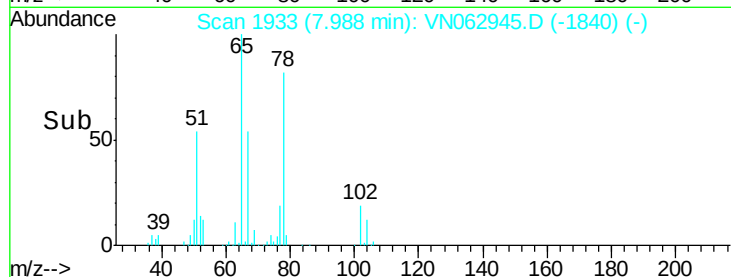
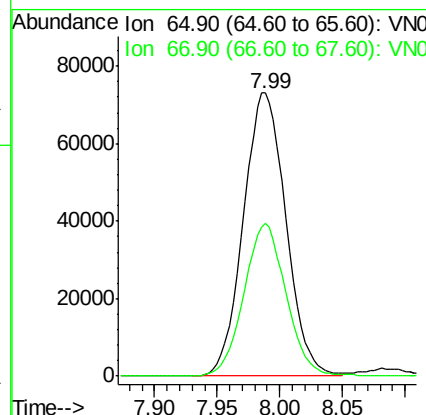
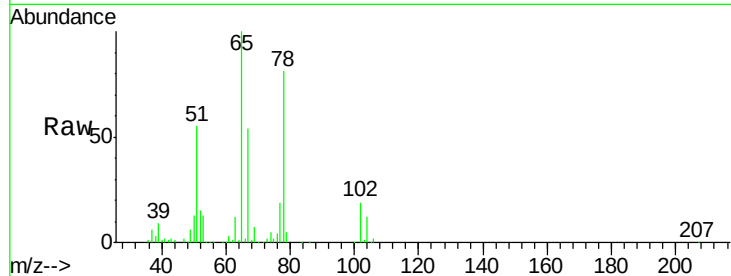
#33
 1,2-Dichloroethane-d4
 Concen: 41.728 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062945.D
 Acq: 14 Aug 2020 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	172694		
67	53.3	0.0	101.4	

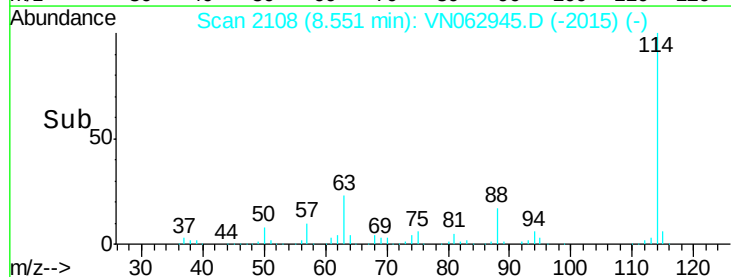
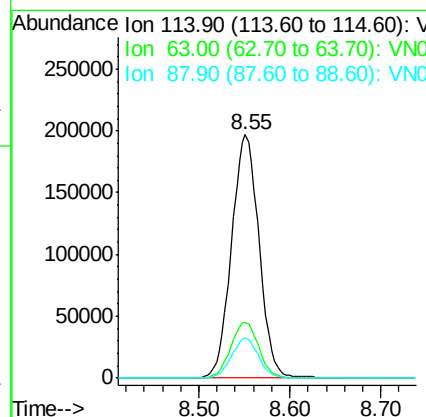
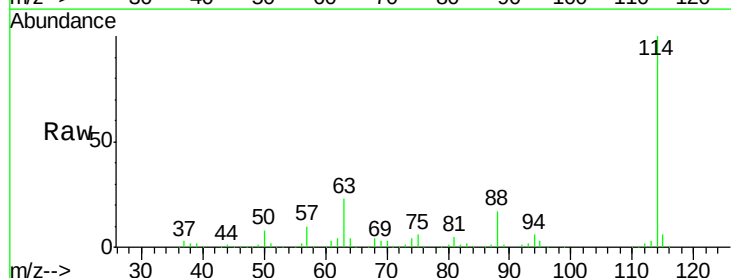
Manual Integrations
 APPROVED

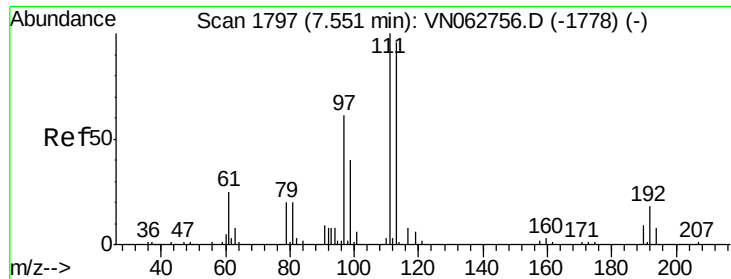
MMDadoda
 8/17/2020 11:43:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062945.D
 Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	414066		
63	22.8	0.0	47.6	
88	16.6	0.0	34.4	





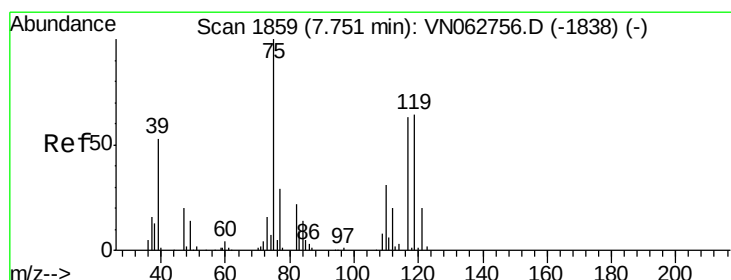
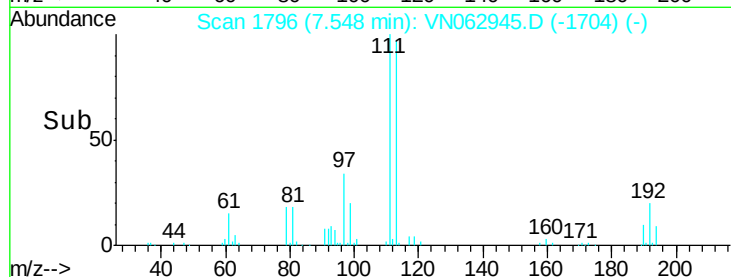
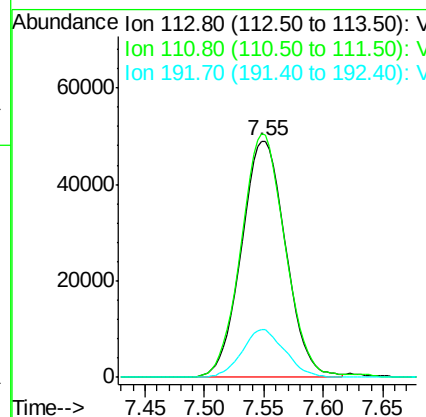
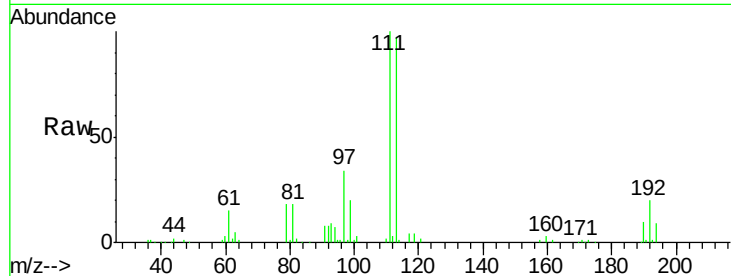
#35
Dibromofluoromethane
Concen: 44.573 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	126252		
111	103.1	81.8	122.6	
192	19.5	15.0	22.4	

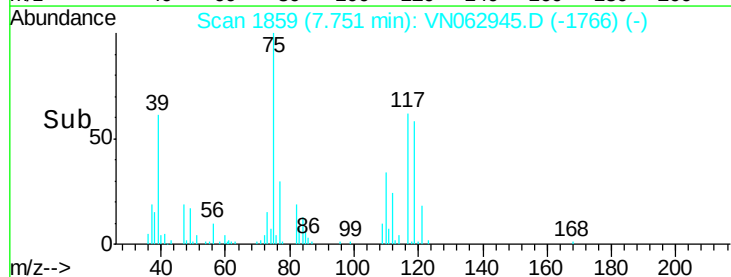
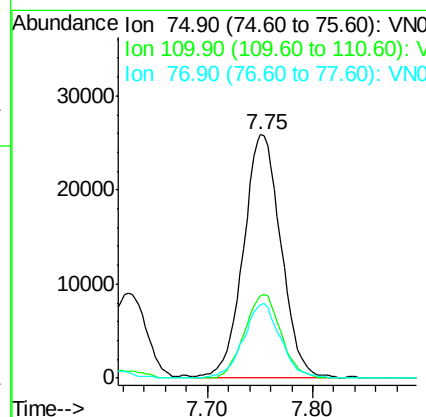
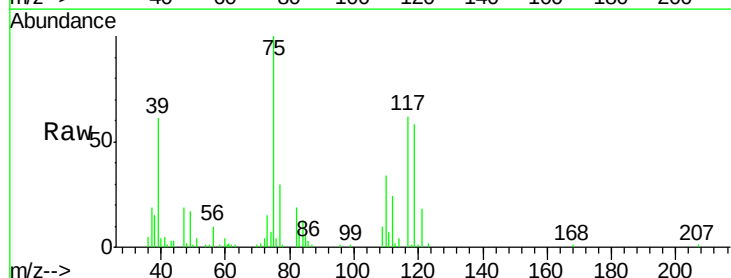
Manual Integrations
APPROVED

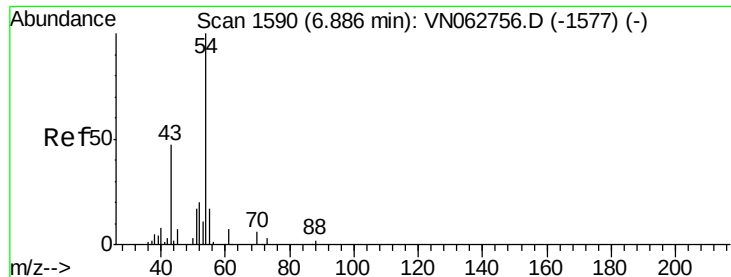
MMDadoda
8/17/2020 11:43:48 AM



#36
1,1-Dichloropropene
Concen: 15.924 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64201		
110	33.2	15.6	46.7	
77	30.1	24.1	36.1	





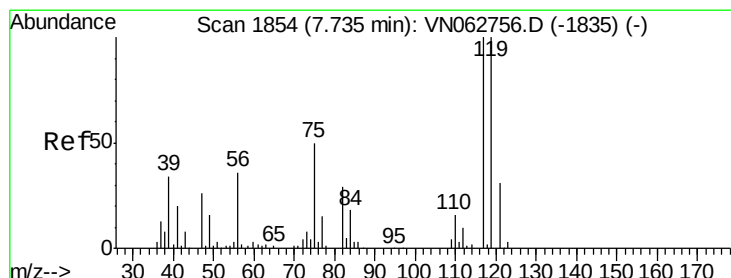
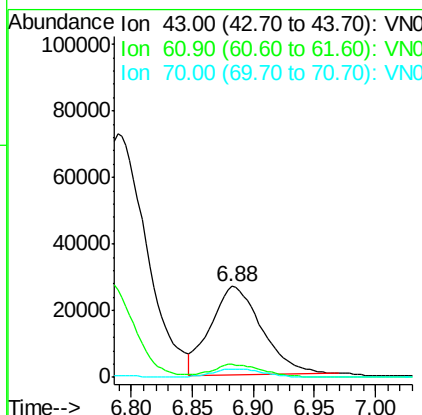
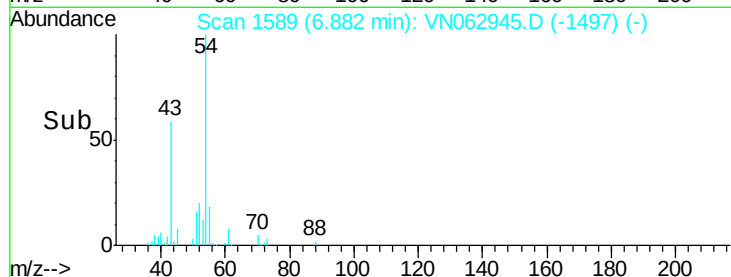
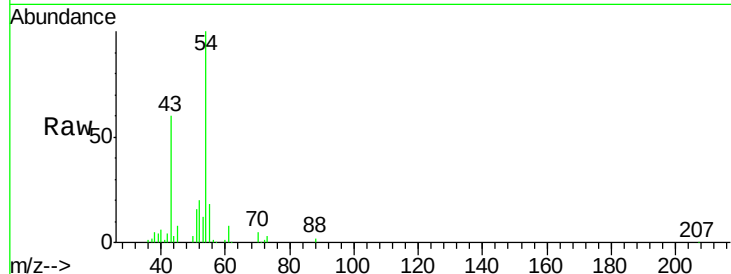
#37
Ethyl Acetate
Concen: 18.470 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.1	18.1
70	9.5	8.3	12.5

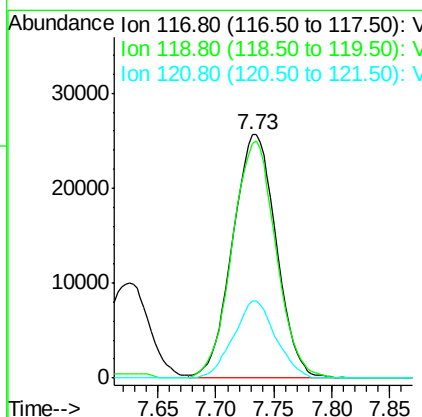
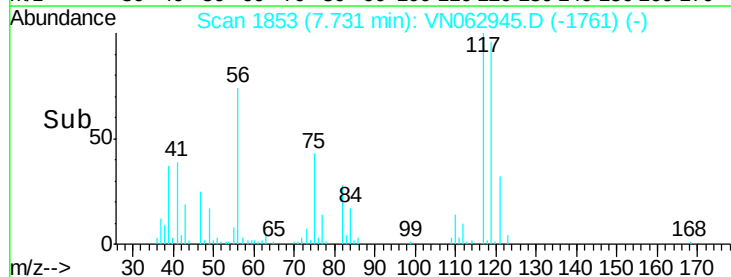
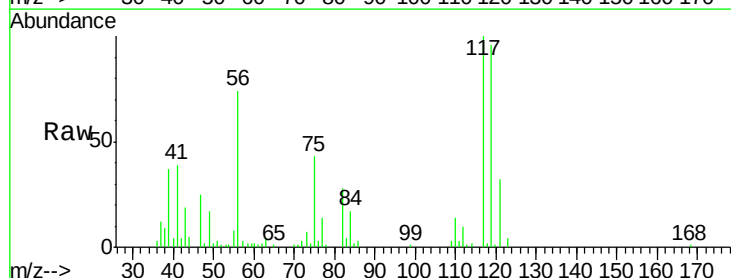
Manual Integrations
APPROVED

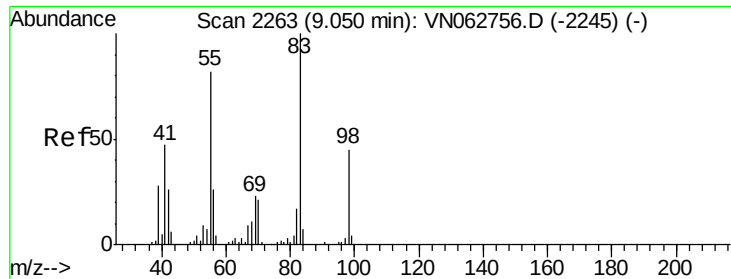
MMDadoda
8/17/2020 11:43:48 AM



#38
Carbon Tetrachloride
Concen: 14.066 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	79.4	119.2
121	31.8	24.9	37.3





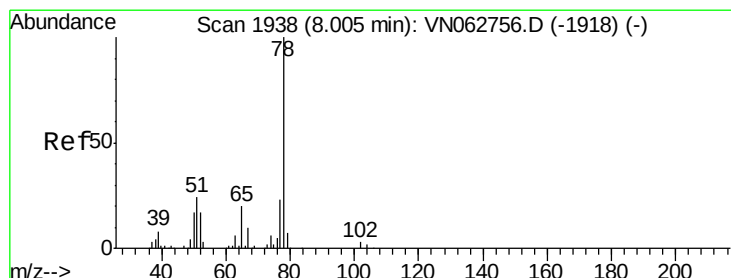
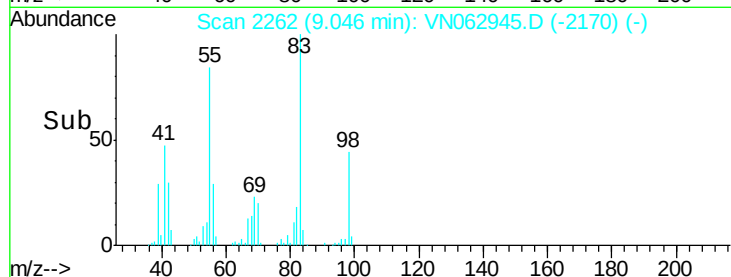
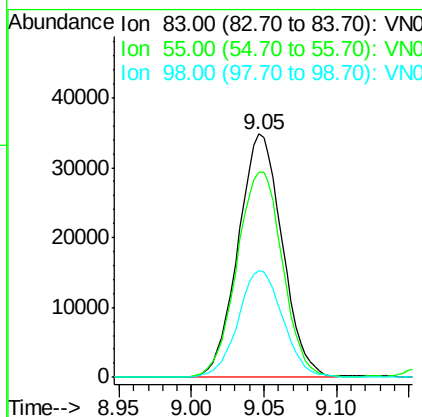
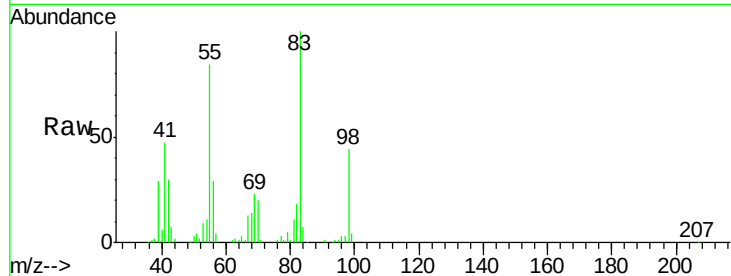
#39
Methylvlcyclohexane
Concen: 15.199 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.3	65.7	98.5
98	43.6	35.6	53.4

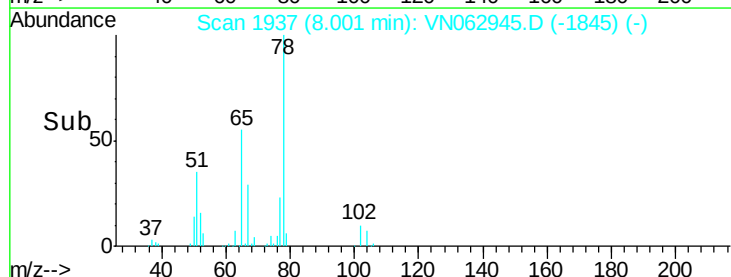
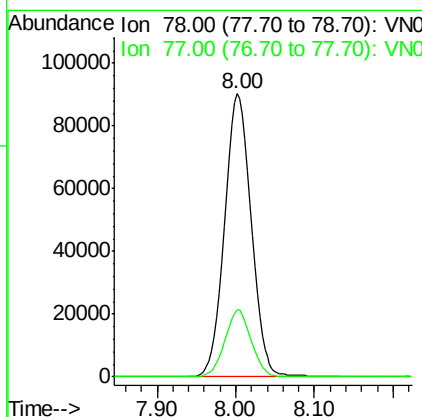
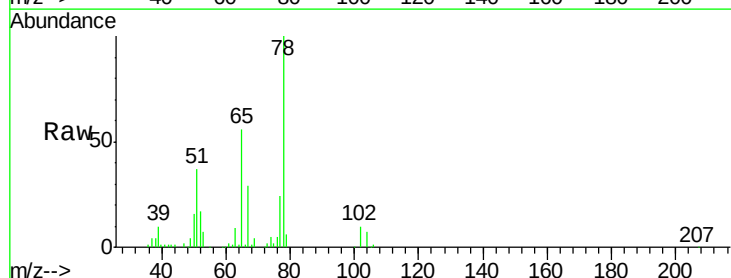
Manual Integrations
APPROVED

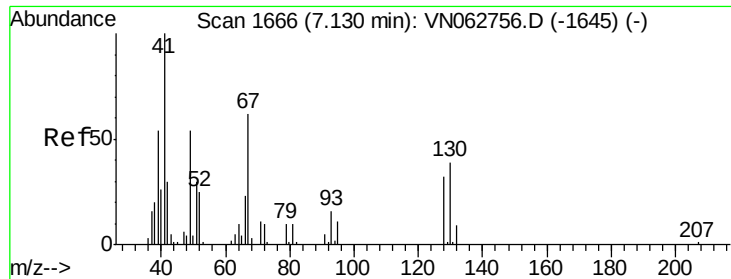
MMDadoda
8/17/2020 11:43:48 AM



#40
Benzene
Concen: 17.560 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.1	27.1





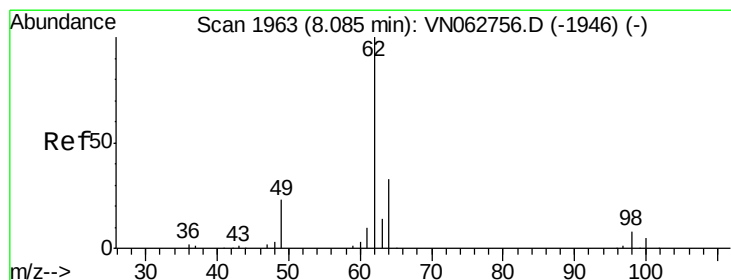
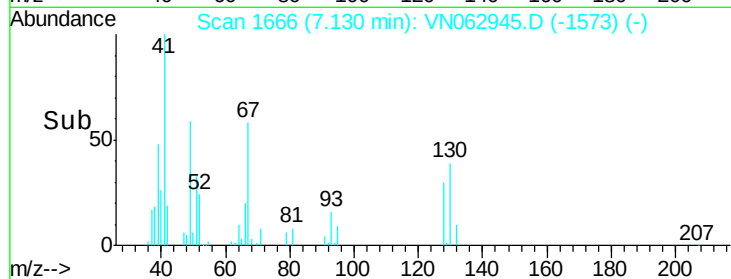
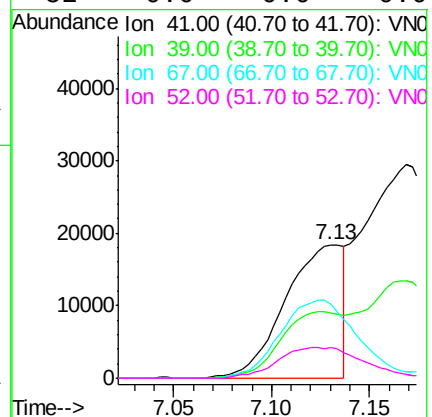
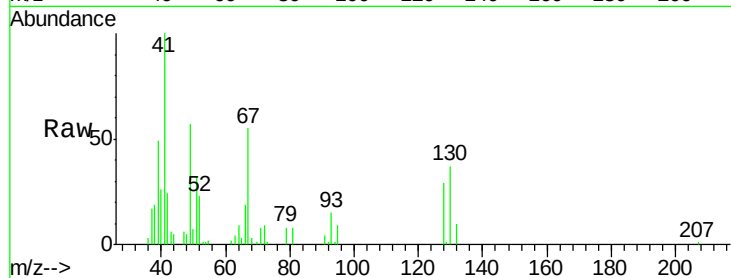
#41
Methacrylonitrile
Concen: 19.856 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	41	Resp	37735
Ion	Ratio	Lower	Upper
41	100		
39	87.8	69.4	104.2
67	0.0	0.0	0.0
52	0.0	0.0	0.0

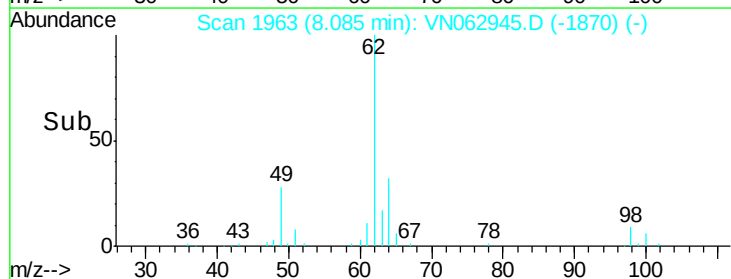
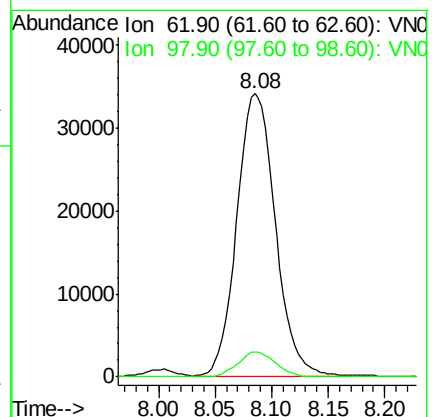
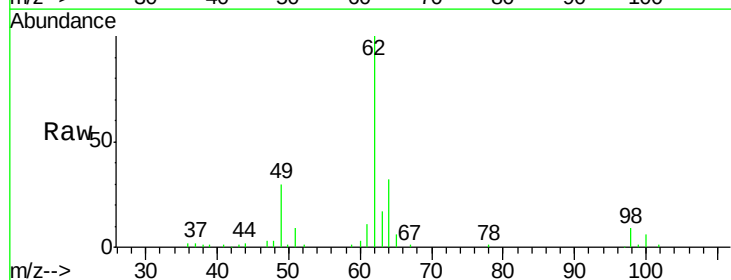
Manual Integrations
APPROVED

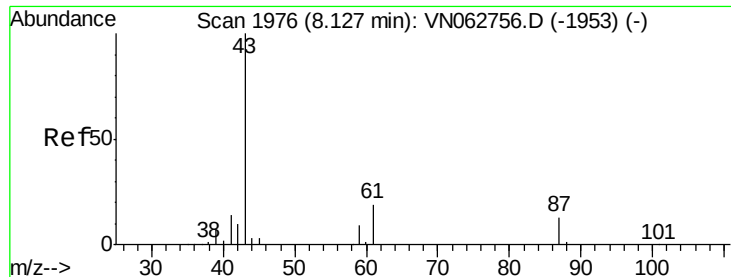
MMDadoda
8/17/2020 11:43:48 AM



#42
1,2-Dichloroethane
Concen: 15.901 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	62	Resp	81422
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	15.8





#43

Isopropyl Acetate

Concen: 17.918 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

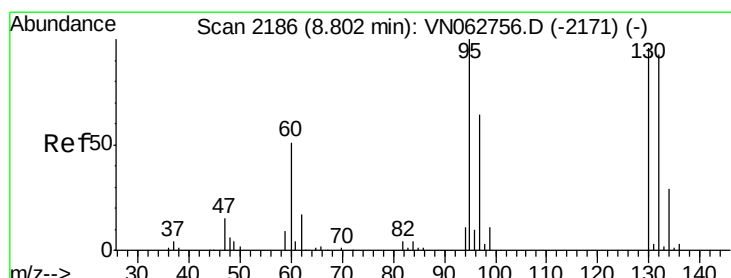
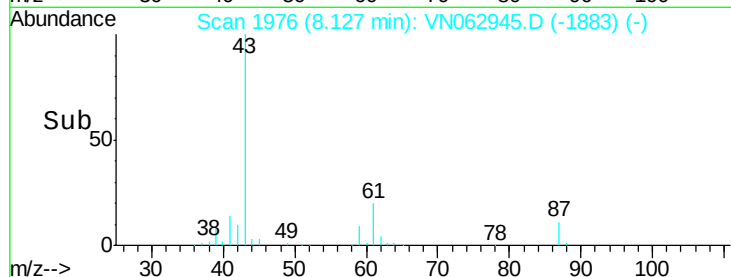
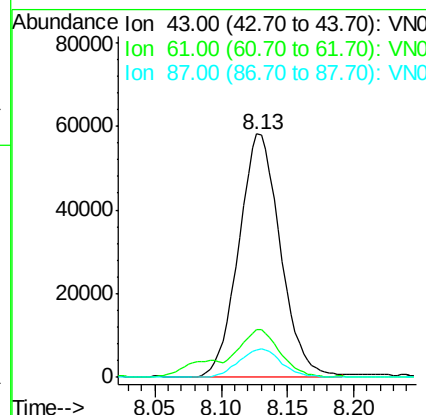
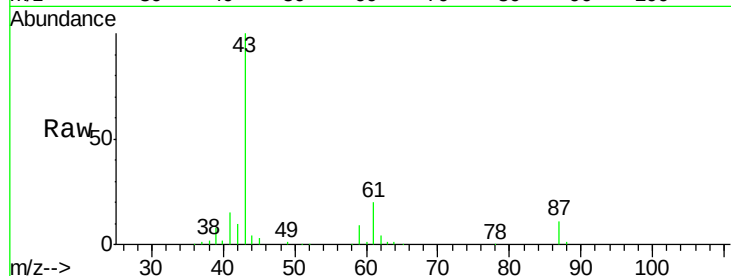
ClientSampleId :

VN0814WBSD02

Tot Ion	43	Resp	125869
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.8	23.6
87	12.0	9.9	14.9

Manual Integrations
APPROVED

MMDadoda
8/17/2020 11:43:48 AM



#44

Trichloroethene

Concen: 16.262 ug/l

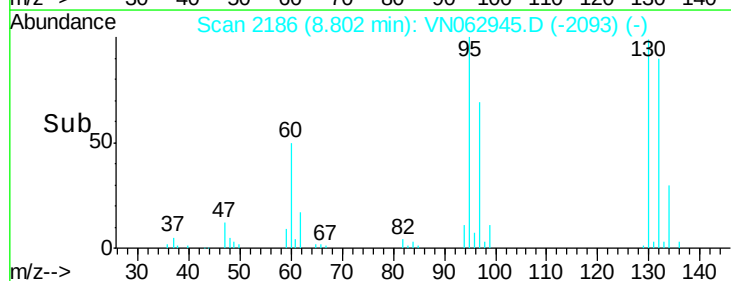
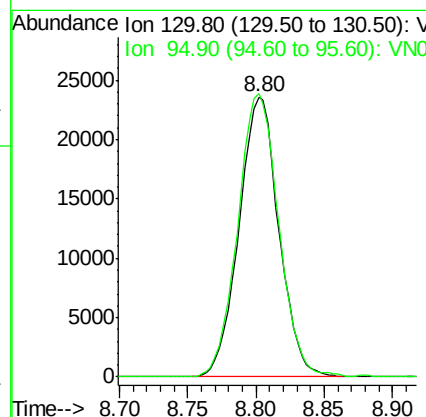
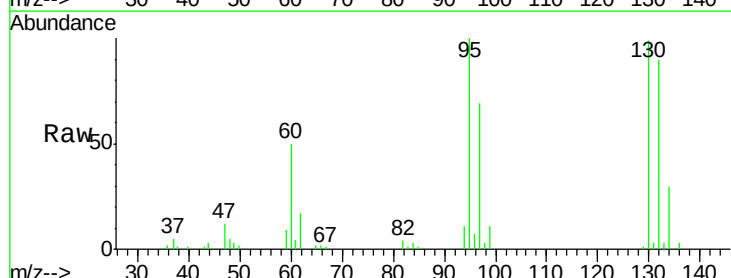
RT: 8.80 min Scan# 2186

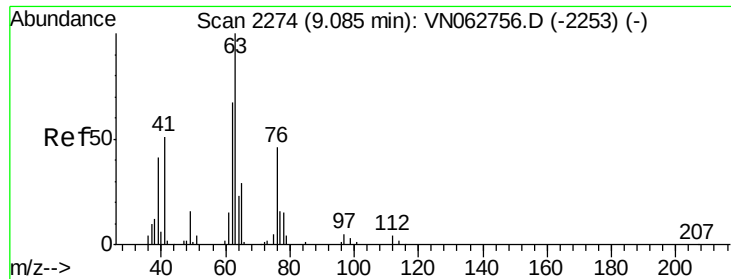
Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Tgt Ion	130	Resp	47665
Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	207.6





#45

1,2-Dichloropropane

Concen: 18.823 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion: 63 Resp: 61292

Ion Ratio Lower Upper

63 100

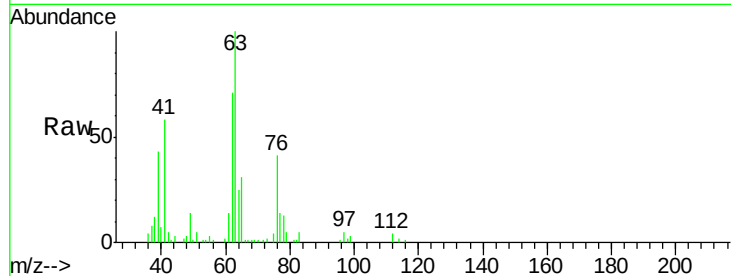
65 30.6 23.5 35.3

Manual Integrations

APPROVED

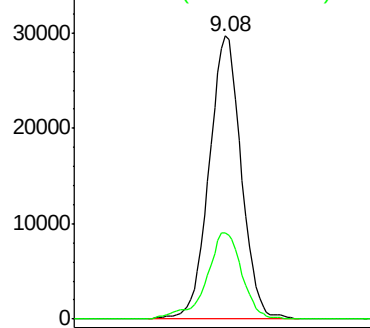
MMDadoda

8/17/2020 11:43:48 AM

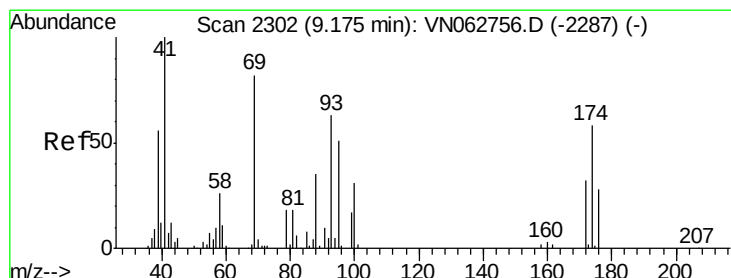
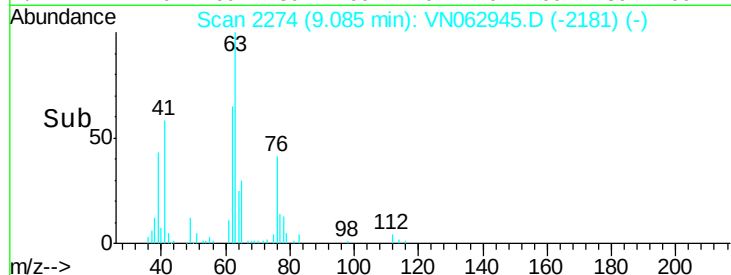


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



Time-->



#46

Dibromomethane

Concen: 17.625 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

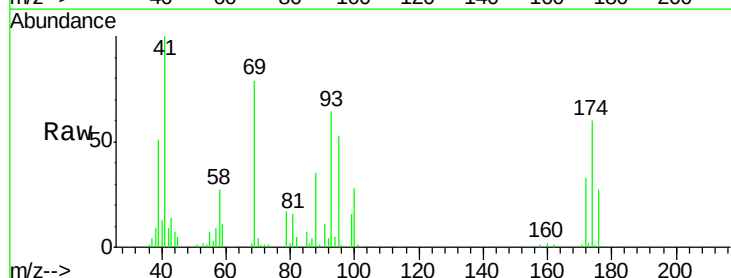
Tgt Ion: 93 Resp: 37603

Ion Ratio Lower Upper

93 100

95 83.7 65.1 97.7

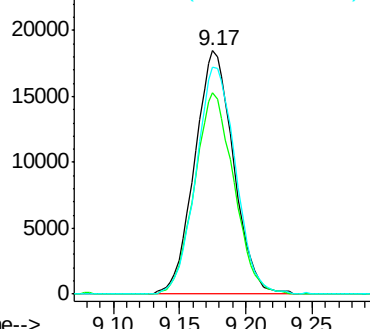
174 94.8 73.9 110.9



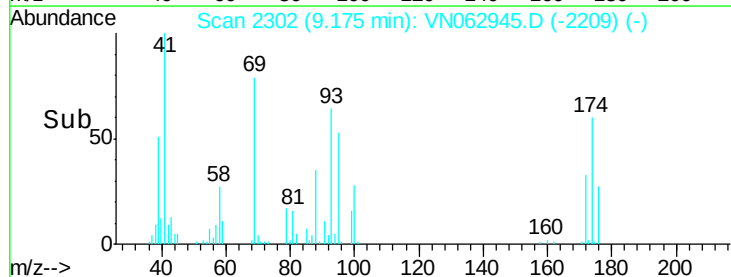
Abundance Ion 92.80 (92.50 to 93.50): VN0

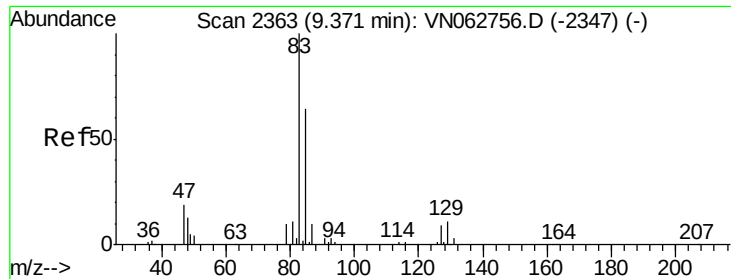
Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V



Time-->





#47

Bromodichloromethane

Concen: 16.886 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

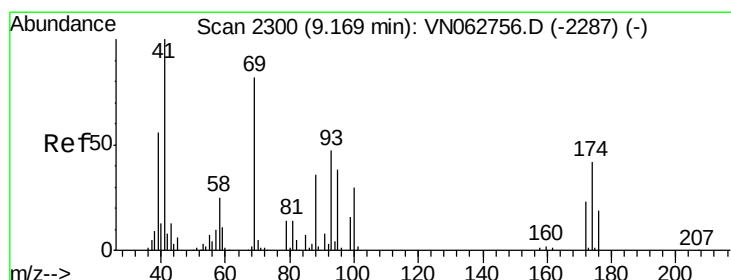
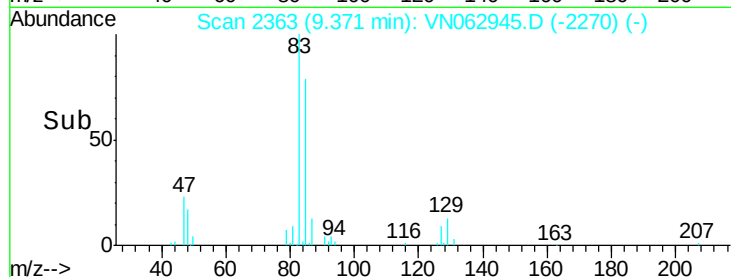
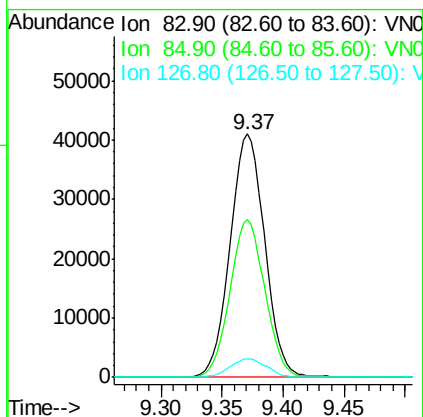
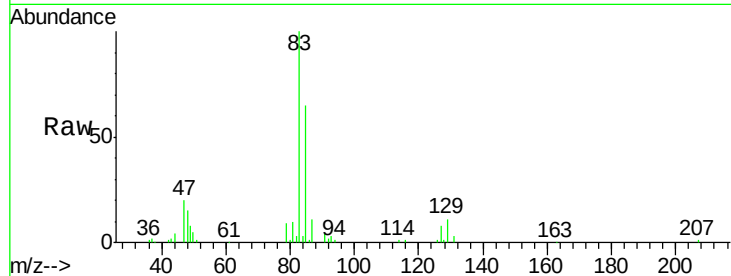
ClientSampleId :

VN0814WBSD02

Tot Ion:	83	Resp:	80914
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.0
127	7.8	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
8/17/2020 11:43:48 AM



#48

Methyl methacrylate

Concen: 18.298 ug/l

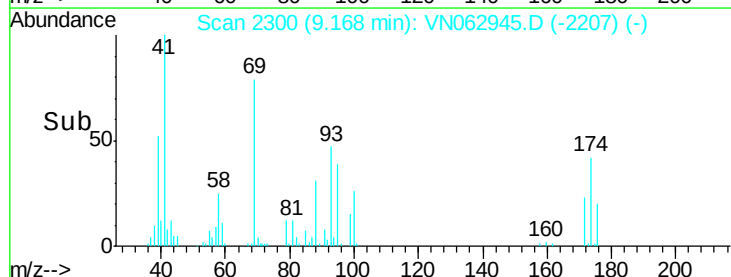
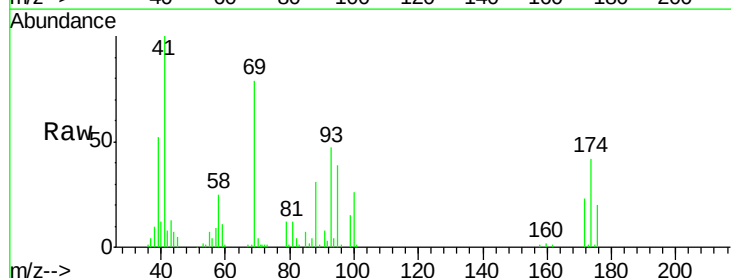
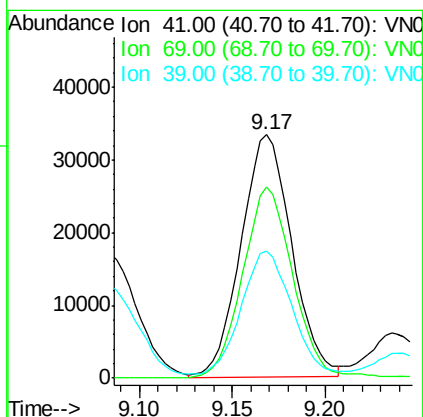
RT: 9.17 min Scan# 2300

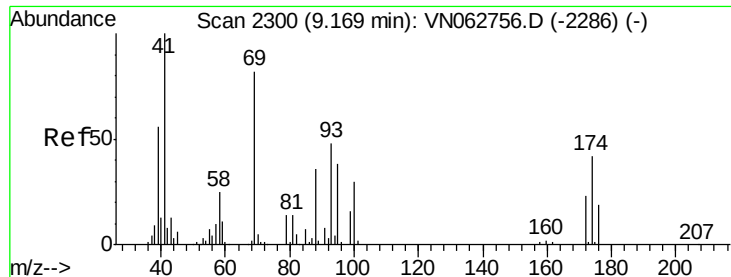
Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Tgt Ion:	41	Resp:	63225
Ion	Ratio	Lower	Upper
41	100		
69	78.8	67.4	101.2
39	53.0	47.6	71.4





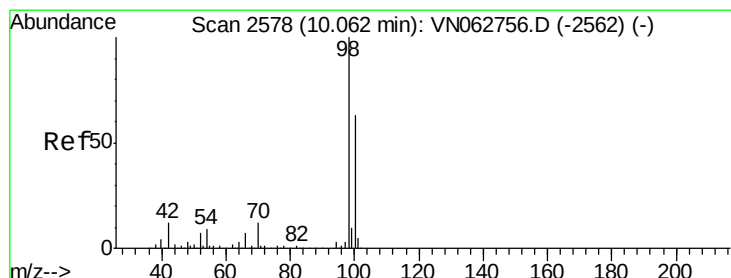
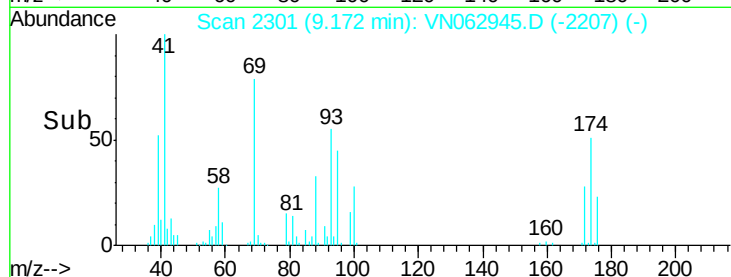
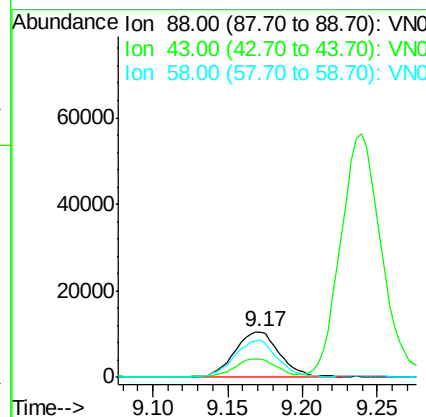
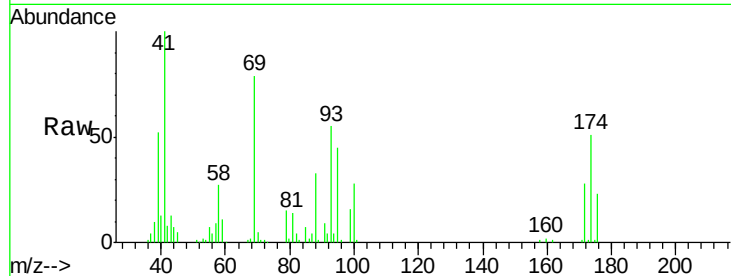
#49
1,4-Dioxane
Concen: 345.713 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. 0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	39.6	29.5	44.3	
58	78.6	59.8	89.8	

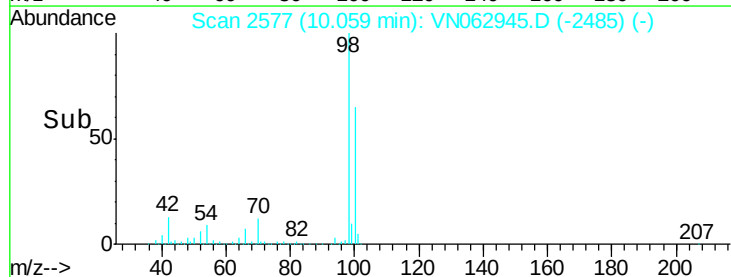
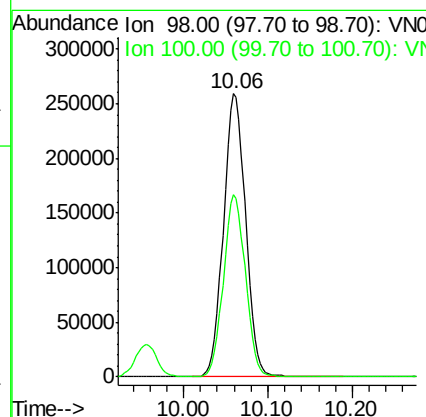
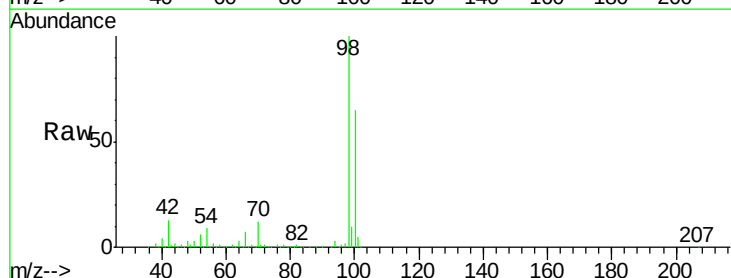
Manual Integrations
APPROVED

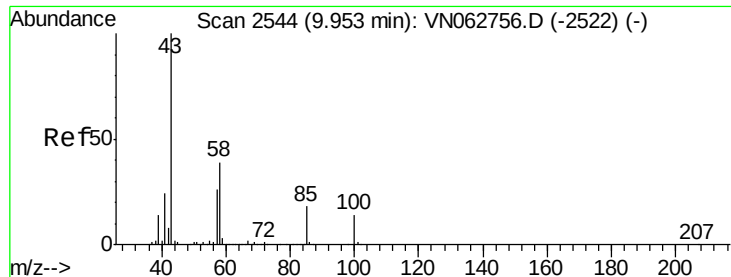
MMDadoda
8/17/2020 11:43:48 AM



#50
Toluene-d8
Concen: 42.770 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.9	50.9	76.3	





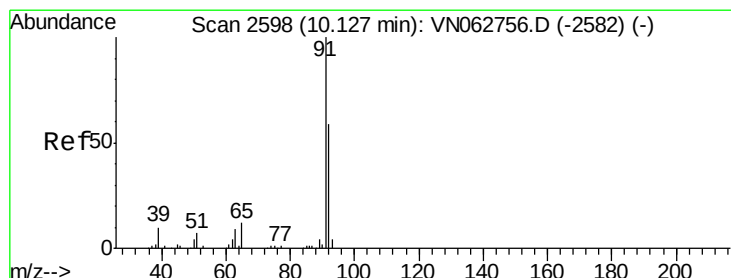
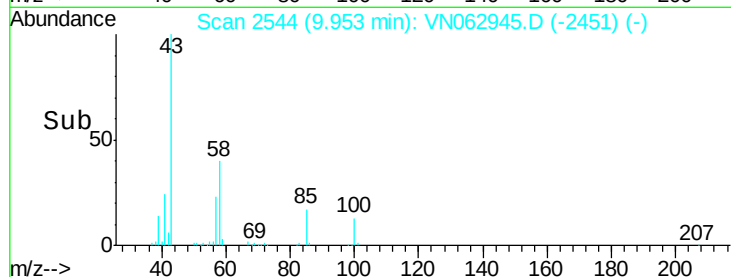
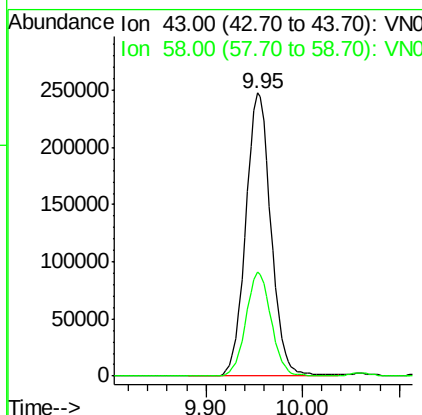
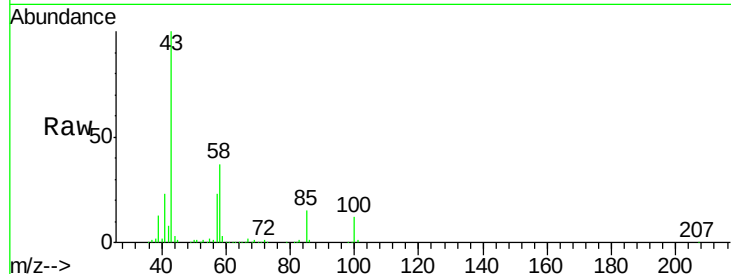
#51
4-Methyl-2-Pentanone
Concen: 98.342 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	43	Resp	446982
Ion Ratio	100	Lower	Upper
43	100		
58	36.9	31.1	46.7

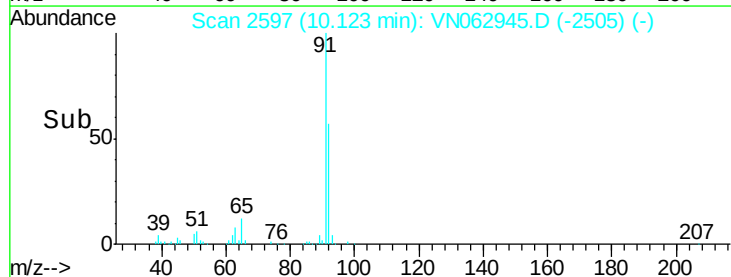
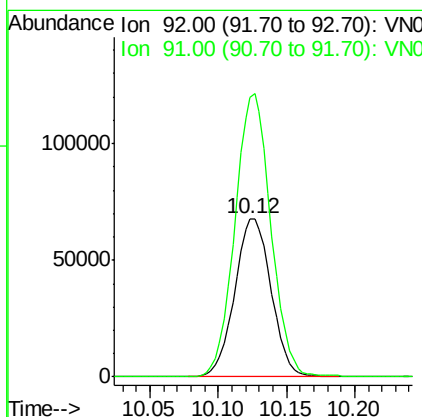
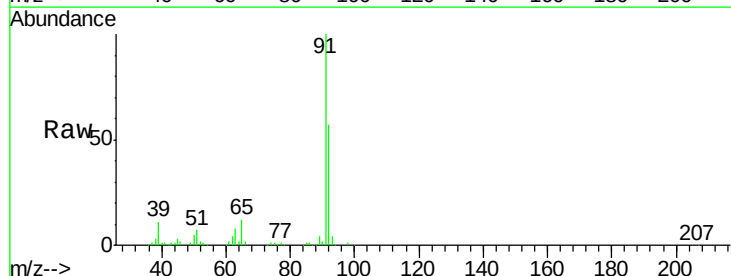
Manual Integrations
APPROVED

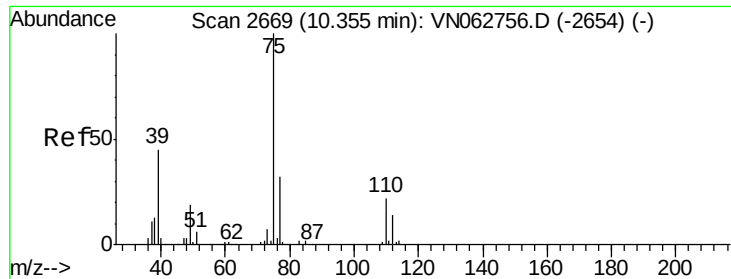
MMDadoda
8/17/2020 11:43:48 AM



#52
Toluene
Concen: 16.957 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	92	Resp	125961
Ion Ratio	100	Lower	Upper
92	100		
91	175.9	138.9	208.3





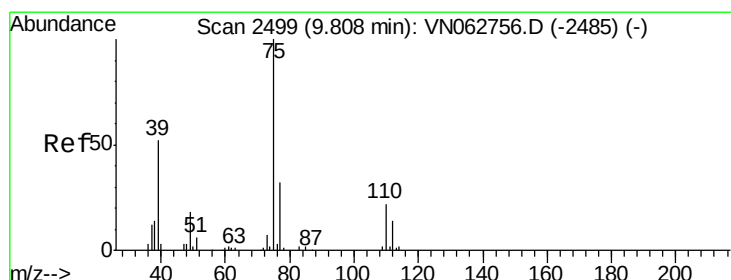
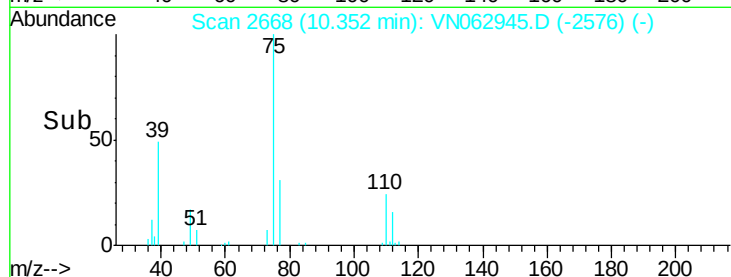
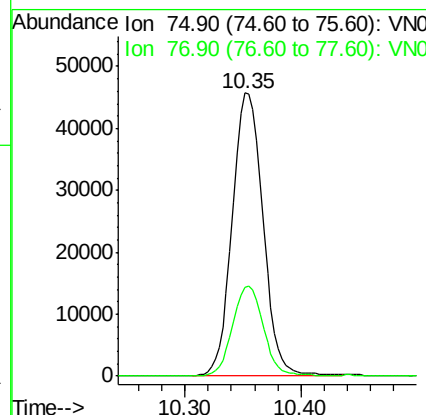
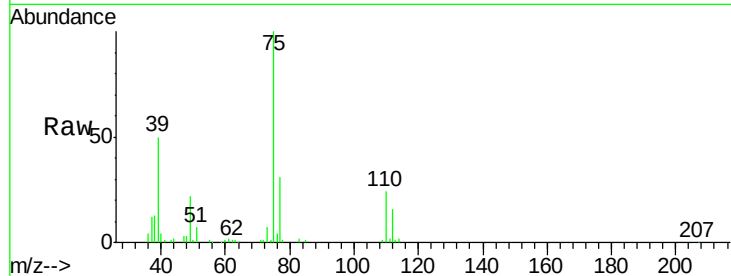
#53
t-1,3-Dichloropropene
Concen: 15.938 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampled :
VN0814WBSD02

Tot Ion: 75 Resp: 84004
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2

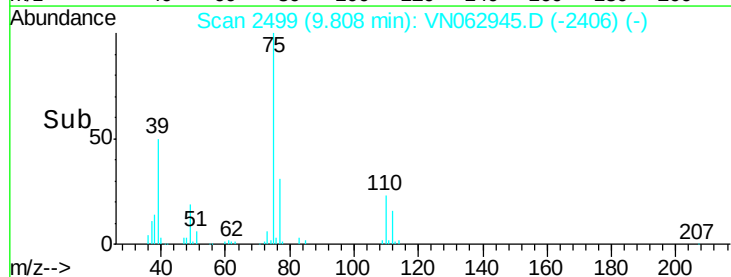
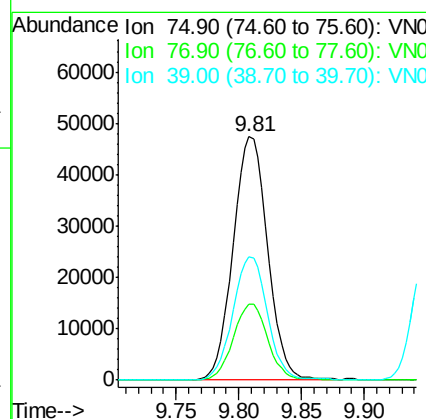
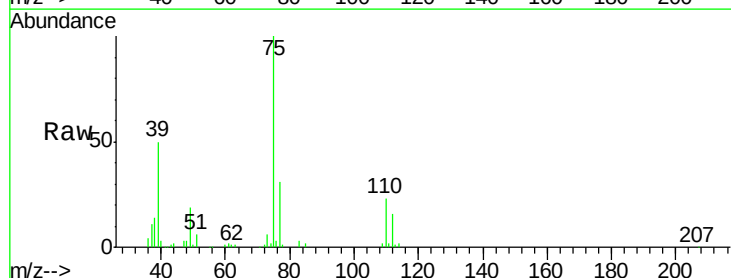
Manual Integrations
APPROVED

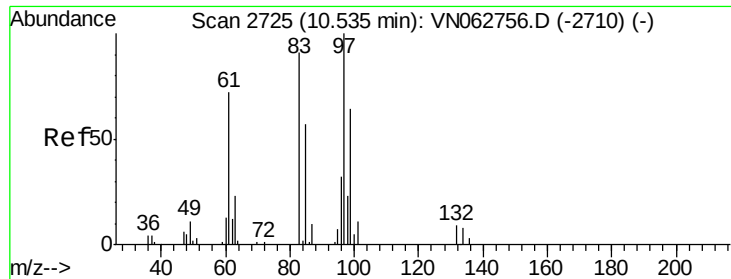
MMDadoda
8/17/2020 11:43:48 AM



#54
cis-1,3-Dichloropropene
Concen: 17.124 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion: 75 Resp: 90620
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3
39 50.4 41.9 62.9





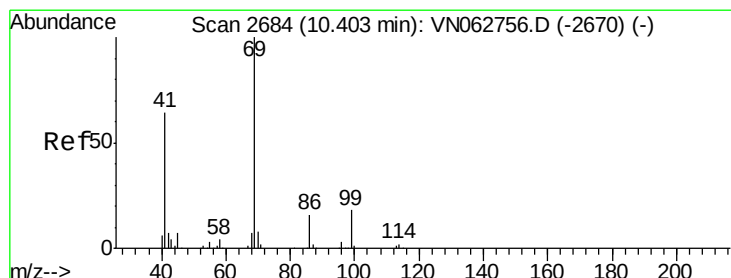
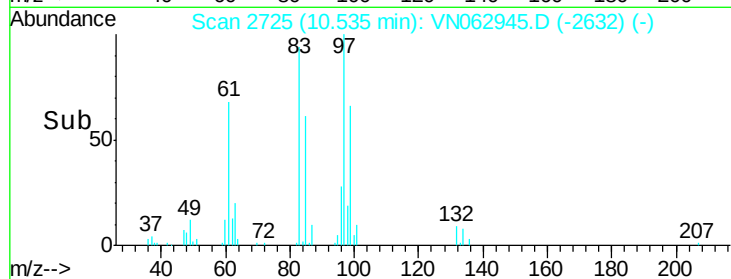
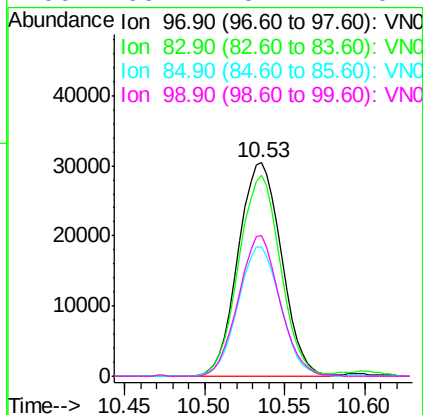
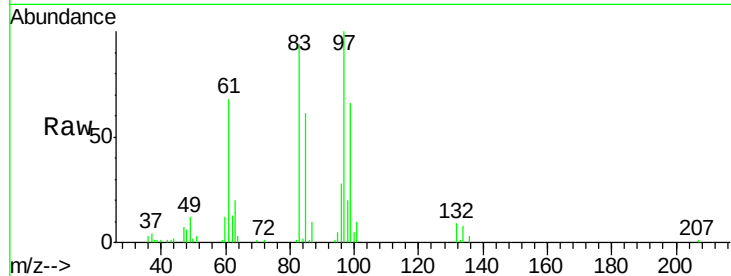
#55
 1,1,2-Trichloroethane
 Concen: 17.821 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062945.D
 Acq: 14 Aug 2020 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		56538		
83	93.9	72.6	108.8		
85	60.8	46.0	69.0		
99	65.7	51.1	76.7		

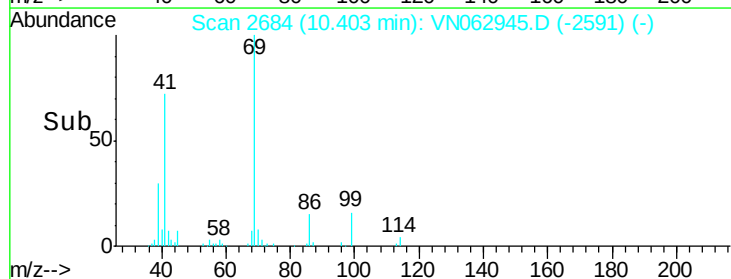
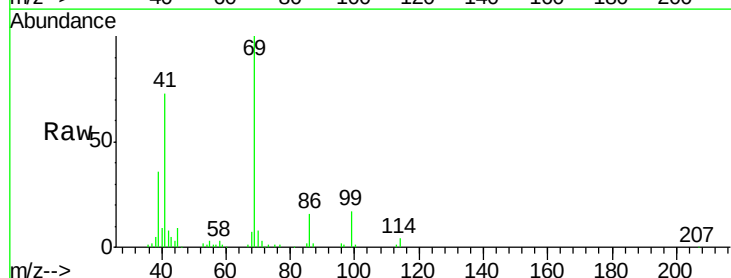
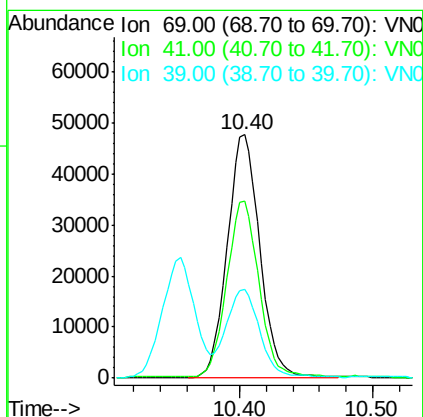
Manual Integrations
 APPROVED

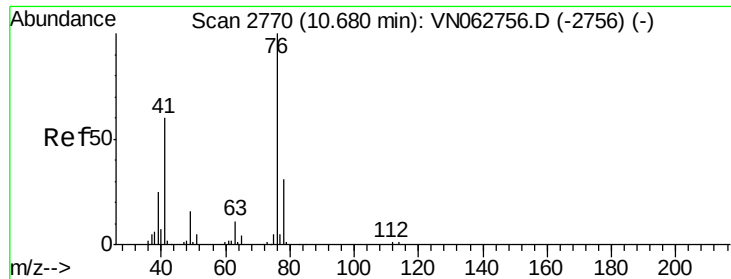
MMDadoda
 8/17/2020 11:43:48 AM



#56
 Ethyl methacrylate
 Concen: 17.069 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. -0.00 min
 Lab File: VN062945.D
 Acq: 14 Aug 2020 20:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		81511		
41	71.0	52.2	78.2		
39	38.9	30.9	46.3		





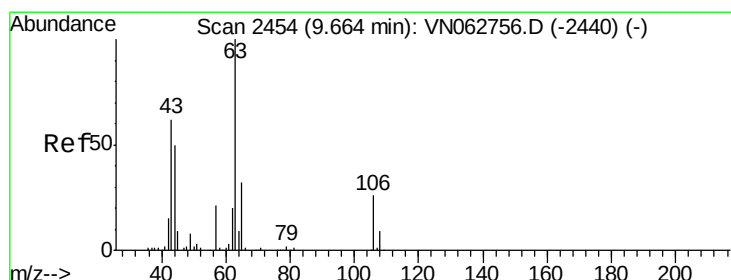
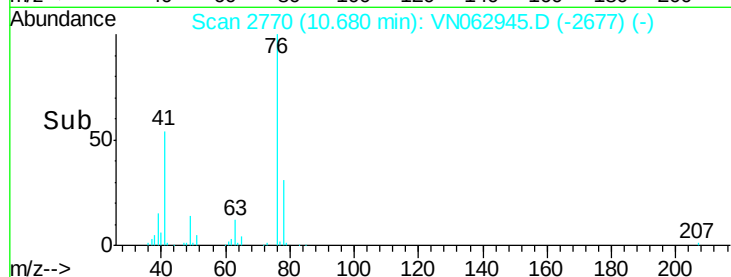
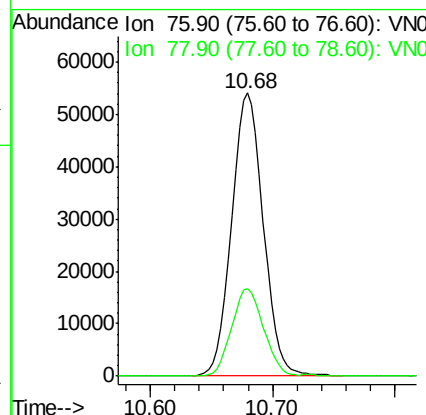
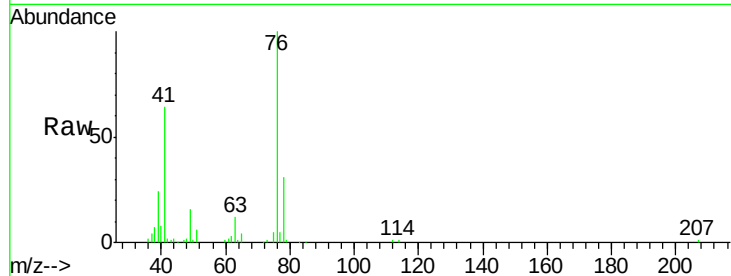
#57
 1,3-Dichloropropane
 Concen: 18.167 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN062945.D
 Acq: 14 Aug 2020 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.4	38.0

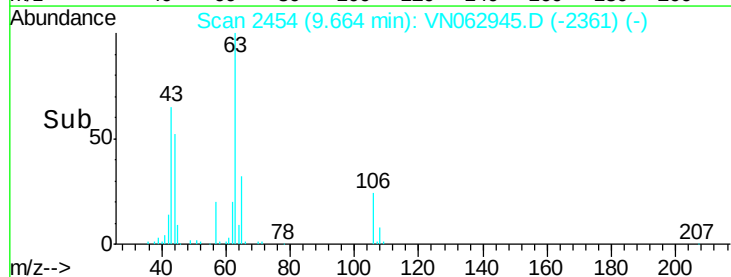
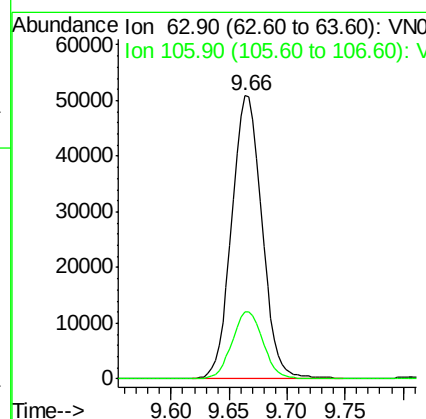
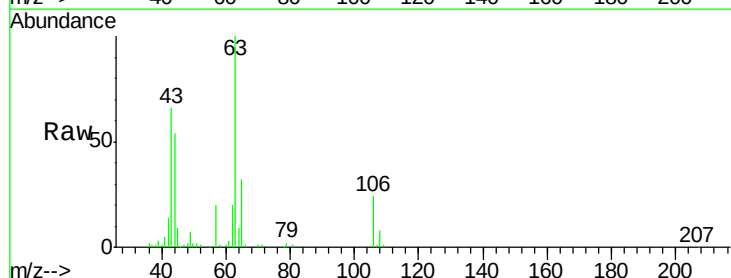
Manual Integrations
 APPROVED

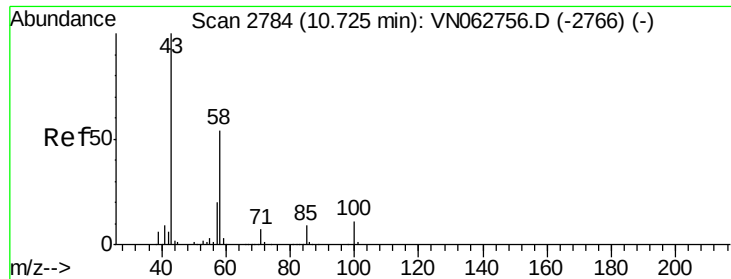
MMDadoda
 8/17/2020 11:43:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 68.154 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062945.D
 Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.0	20.9	31.3





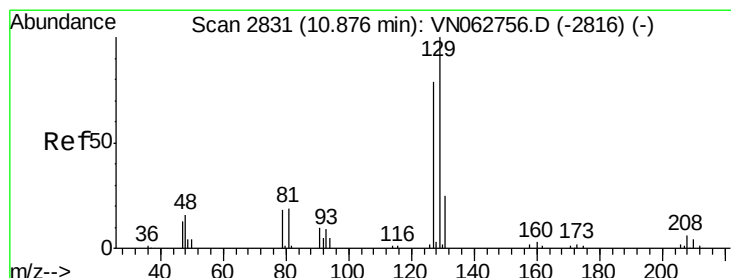
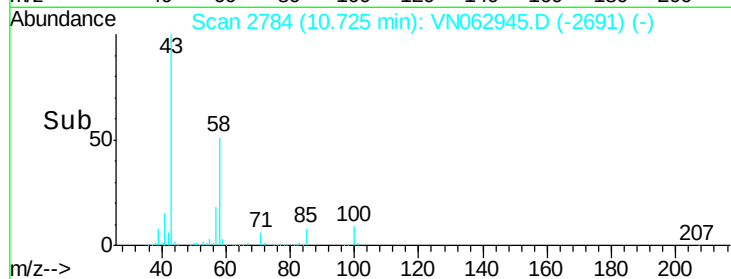
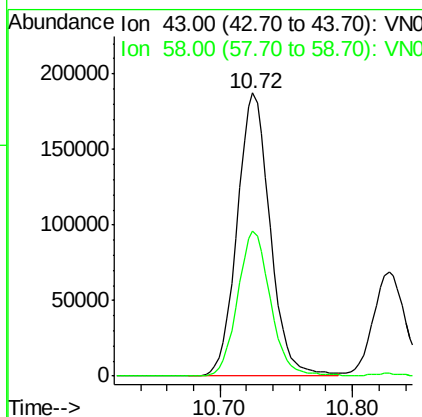
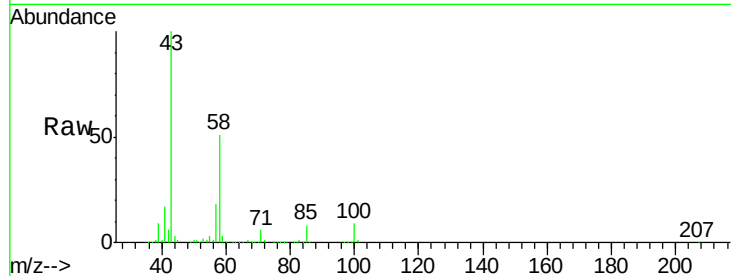
#59
2-Hexanone
Concen: 94.923 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion: 43 Resp: 321832
Ion Ratio Lower Upper
43 100
58 51.2 26.7 80.1

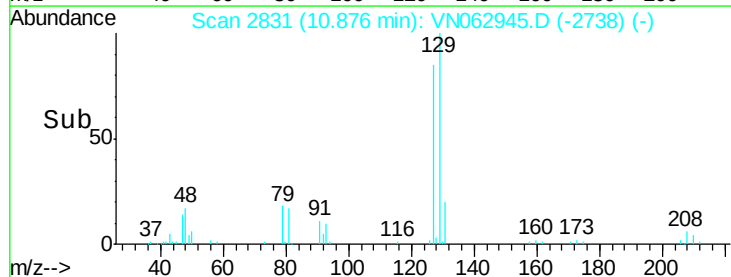
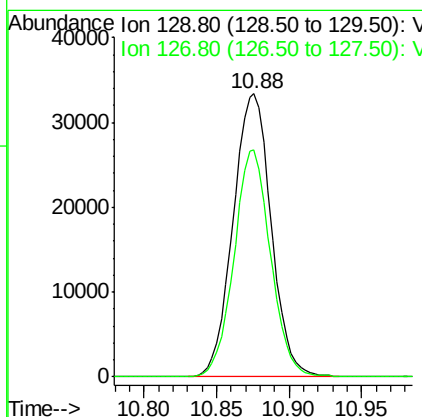
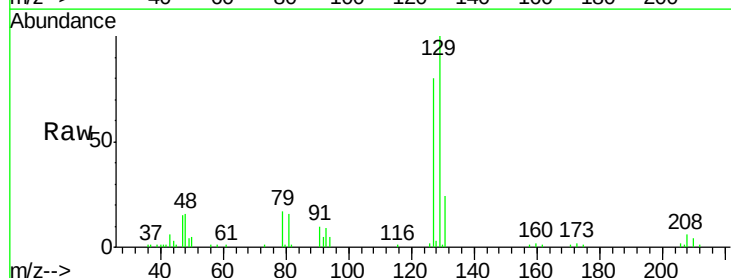
Manual Integrations
APPROVED

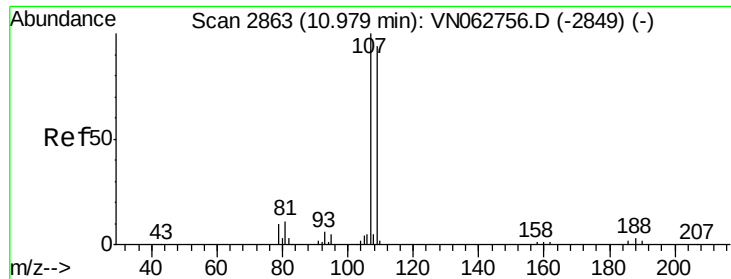
MMDadoda
8/17/2020 11:43:48 AM



#60
Dibromochloromethane
Concen: 16.805 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion: 129 Resp: 60840
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





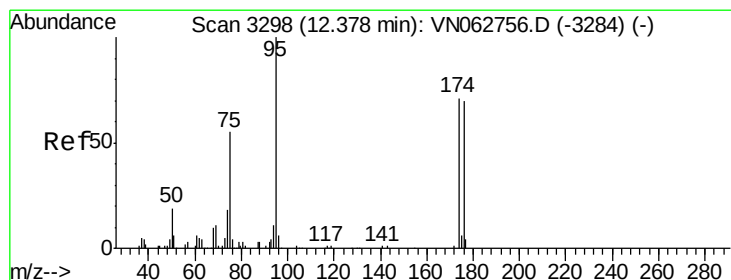
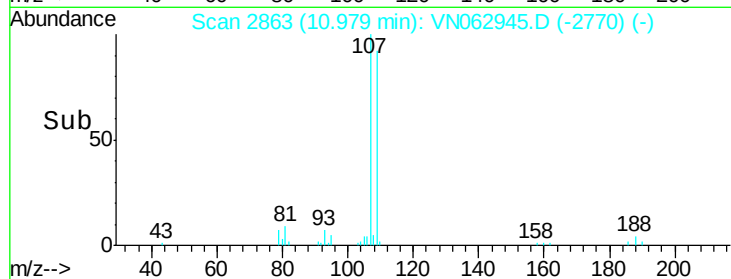
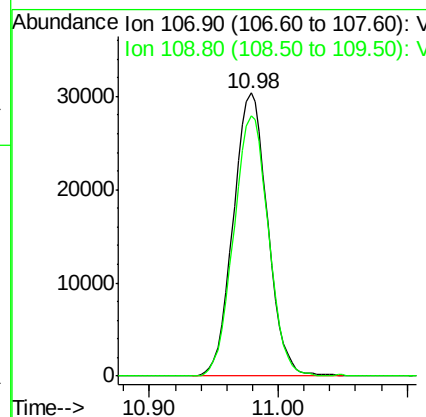
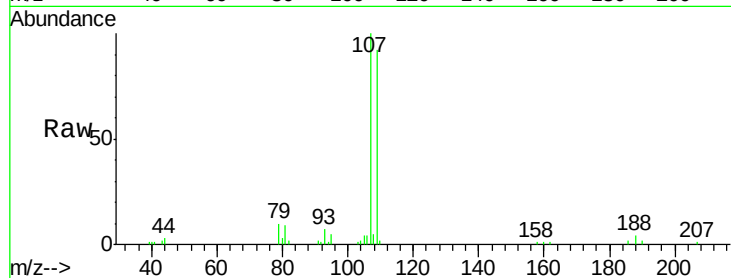
#61
 1,2-Dibromoethane
 Concen: 17.955 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062945.D
 Acq: 14 Aug 2020 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	76.1	114.1

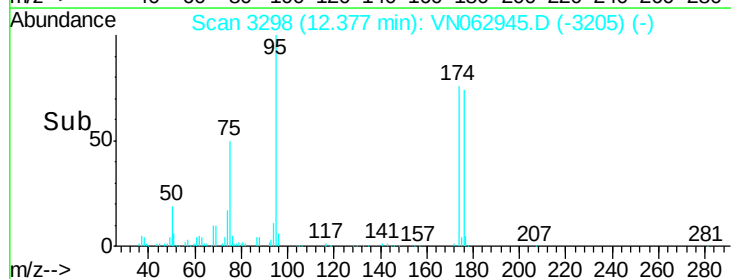
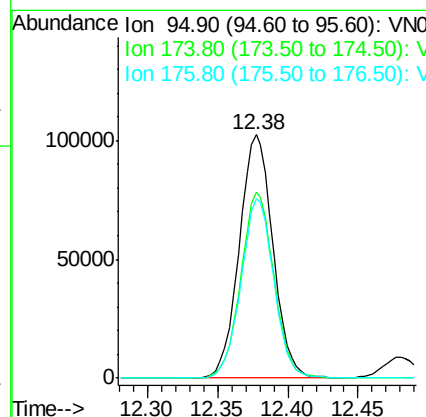
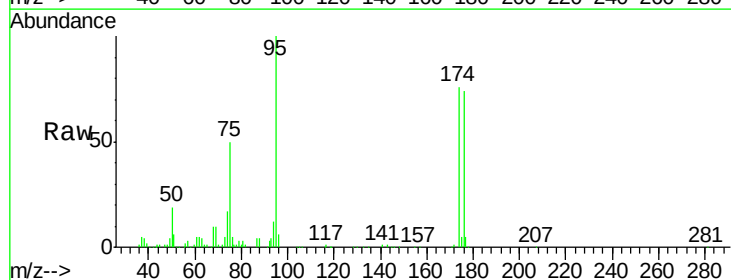
Manual Integrations
 APPROVED

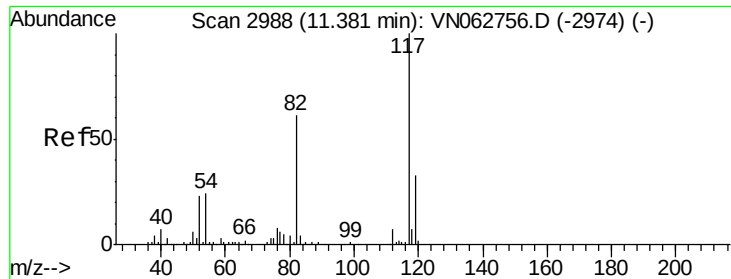
MMDadoda
 8/17/2020 11:43:48 AM



#62
 4-Bromofluorobenzene
 Concen: 40.983 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062945.D
 Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	144.8
176	72.2	0.0	142.2





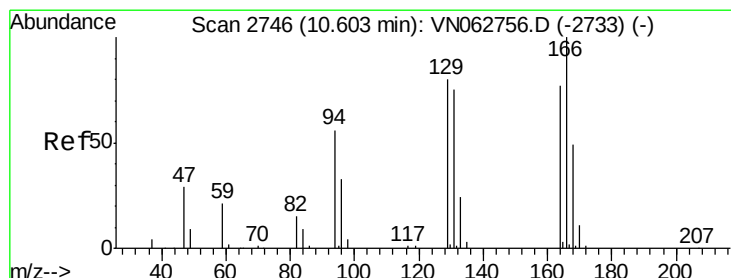
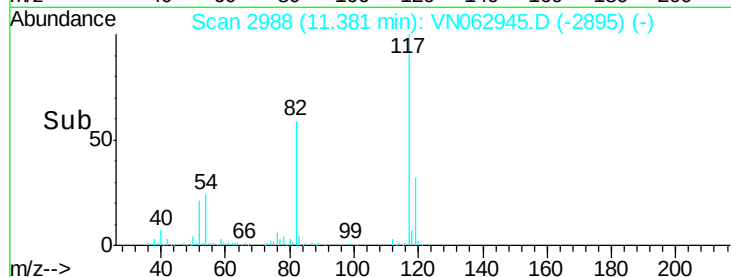
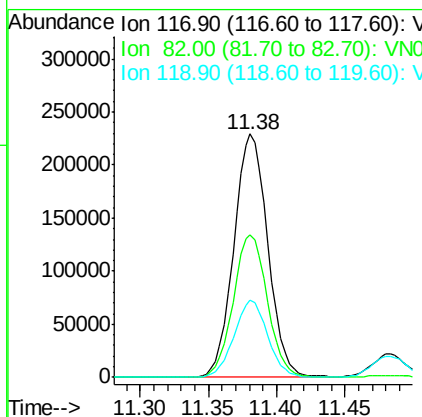
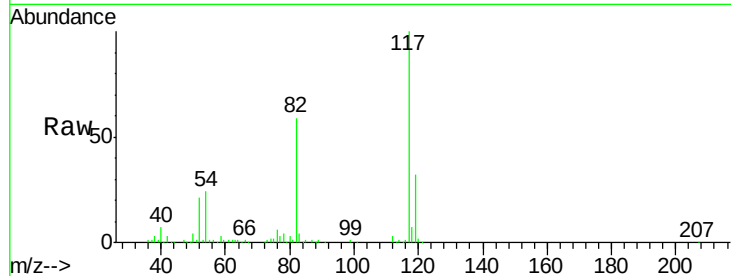
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	395879		
82	58.7		49.0	73.4
119	31.7		26.2	39.2

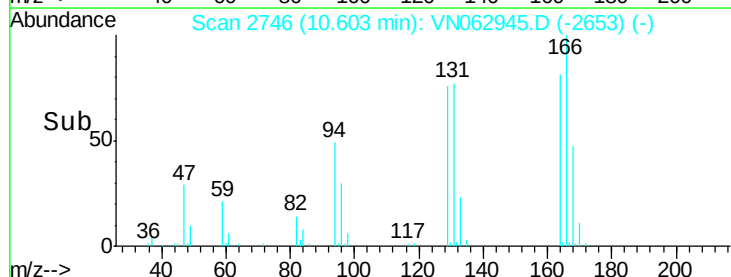
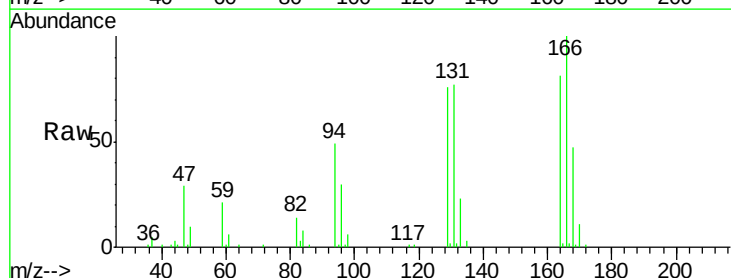
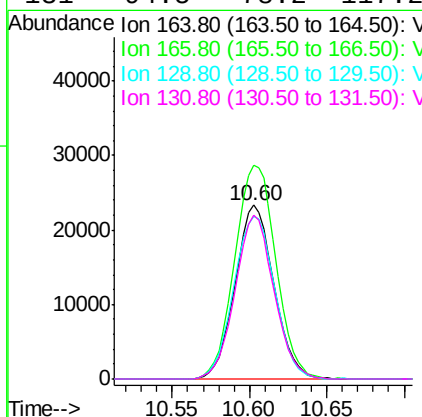
Manual Integrations
APPROVED

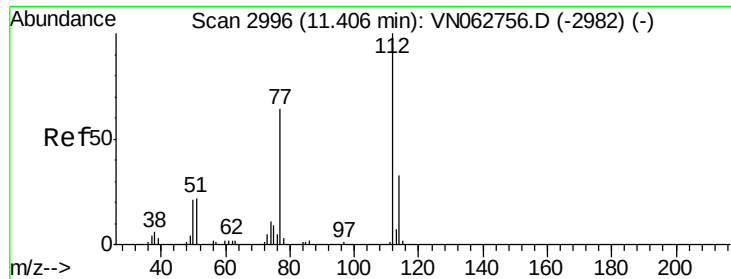
MMDadoda
8/17/2020 11:43:48 AM



#64
Tetrachloroethene
Concen: 15.957 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40759		
166	123.0		103.8	155.8
129	93.6		82.7	124.1
131	94.5		78.2	117.2





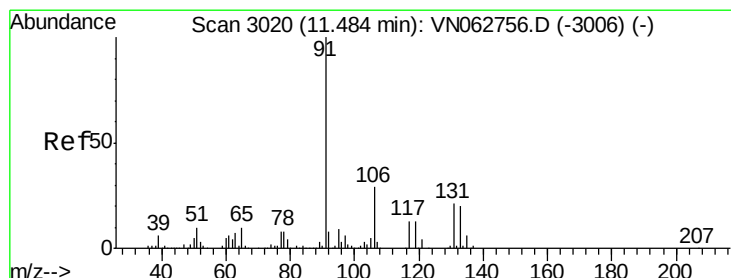
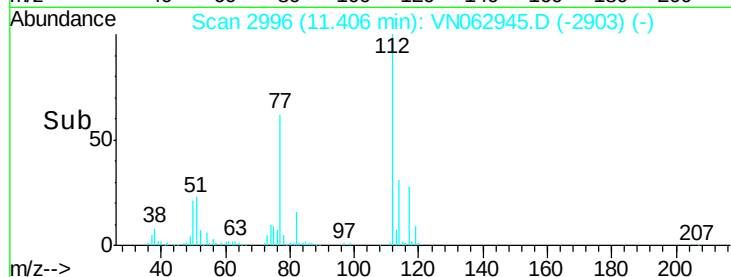
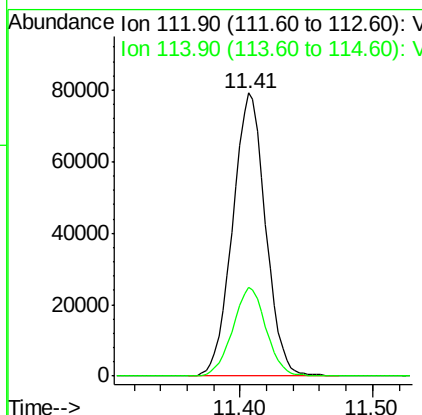
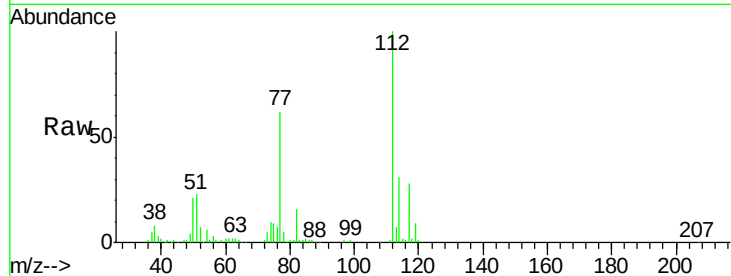
#65
Chlorobenzene
Concen: 16.513 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	136649		
114	31.3	26.2	39.4	

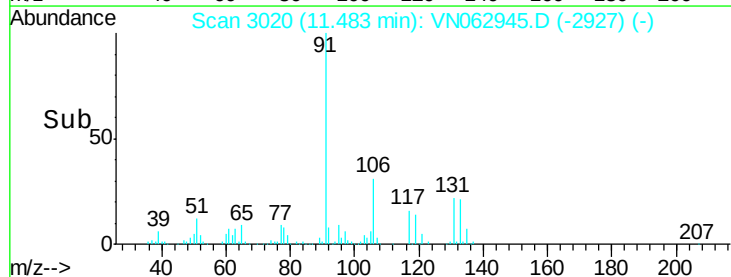
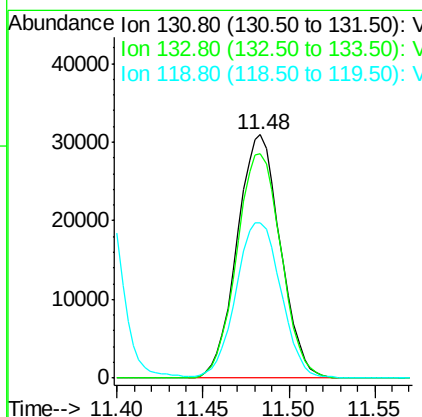
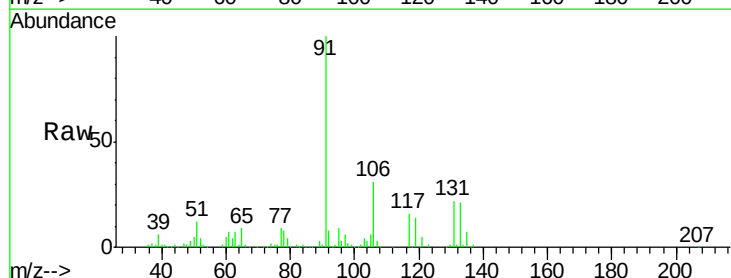
Manual Integrations
APPROVED

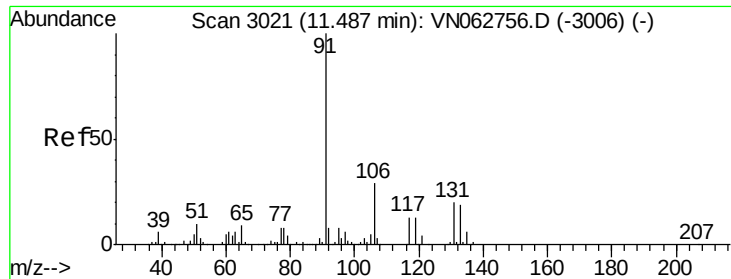
MMDadoda
8/17/2020 11:43:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 16.302 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	54175		
133	94.4	48.6	145.8	
119	66.7	32.2	96.6	





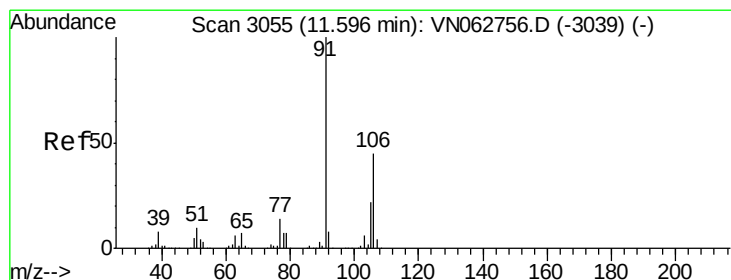
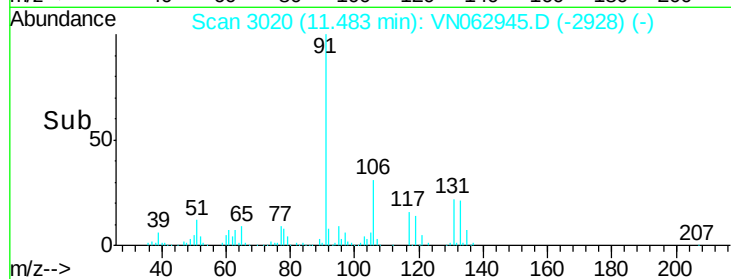
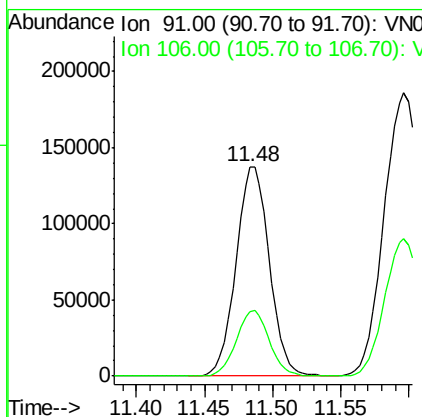
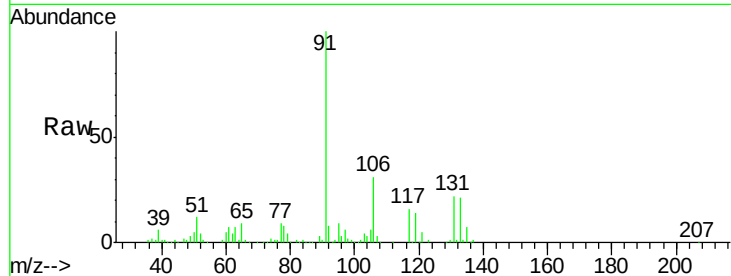
#67
Ethyl Benzene
Concen: 15.745 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampled :
VN0814WBSD02

Tot Ion: 91 Resp: 233163
Ion Ratio Lower Upper
91 100
106 31.0 23.2 34.8

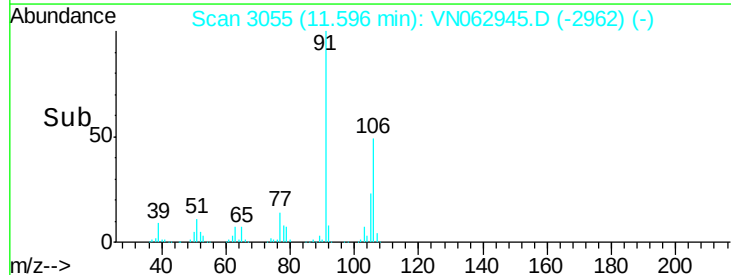
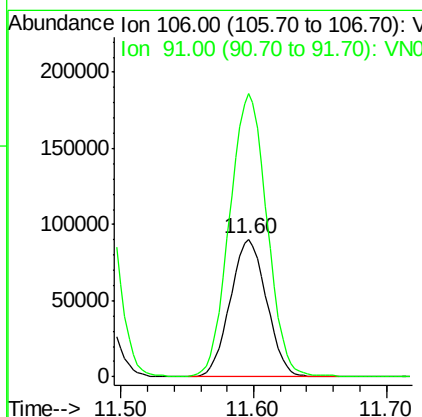
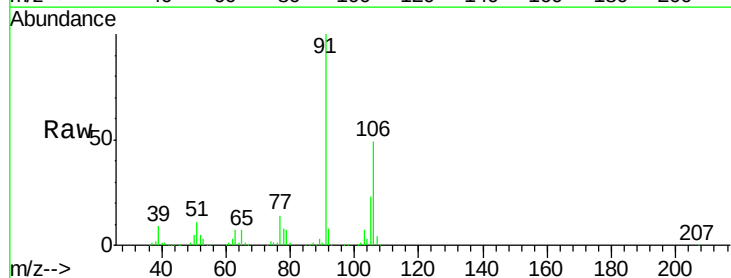
Manual Integrations
APPROVED

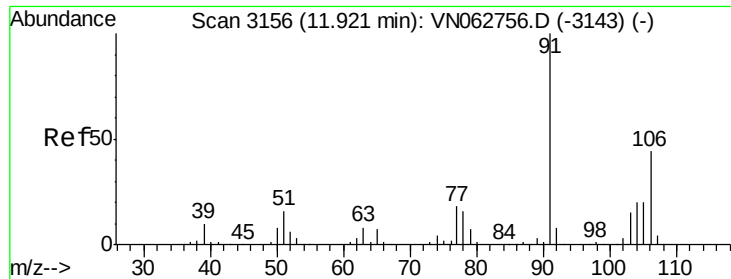
MMDadoda
8/17/2020 11:43:48 AM



#68
m/p-Xylenes
Concen: 32.108 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion: 106 Resp: 172596
Ion Ratio Lower Upper
106 100
91 210.4 175.9 263.9





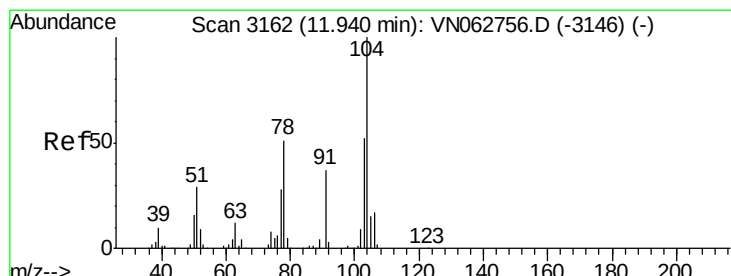
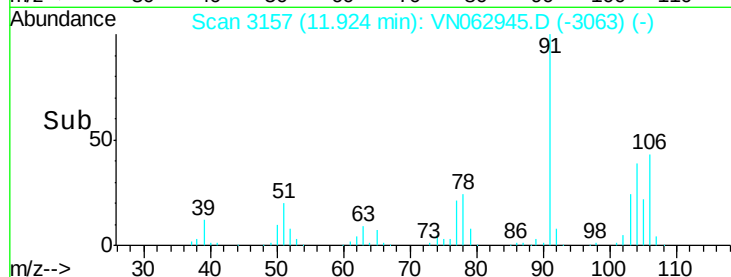
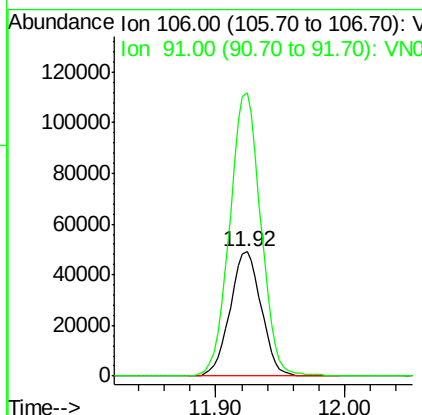
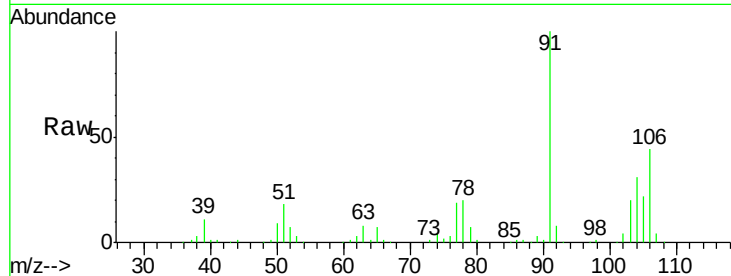
#69
o-Xylene
Concen: 16.413 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion:106 Resp: 82683
Ion Ratio Lower Upper
106 100
91 226.5 115.8 347.4

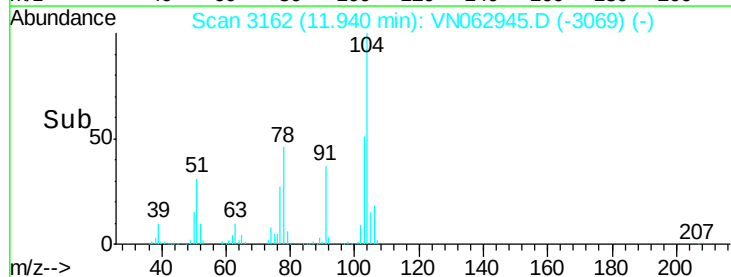
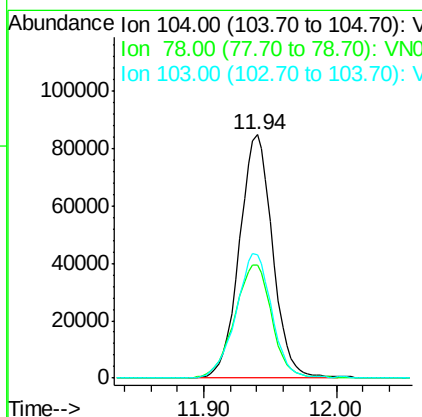
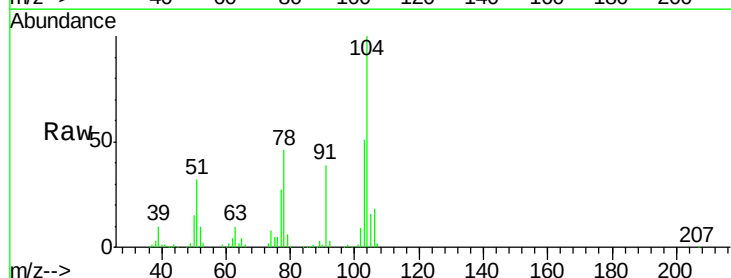
Manual Integrations
APPROVED

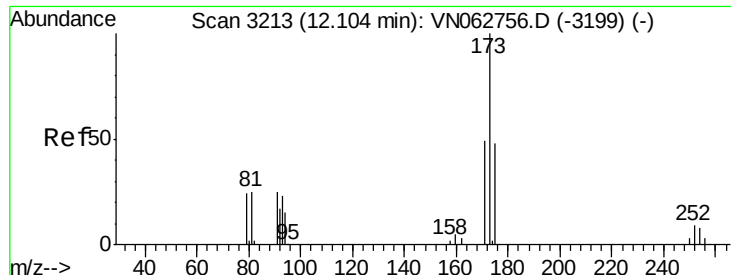
MMDadoda
8/17/2020 11:43:48 AM



#70
Styrene
Concen: 16.686 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion:104 Resp: 147751
Ion Ratio Lower Upper
104 100
78 52.3 45.9 68.9
103 55.0 45.1 67.7





#71

Bromoform

Concen: 16.262 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion:173 Resp: 44217

Ion Ratio Lower Upper

173 100

175 46.6 24.0 72.0

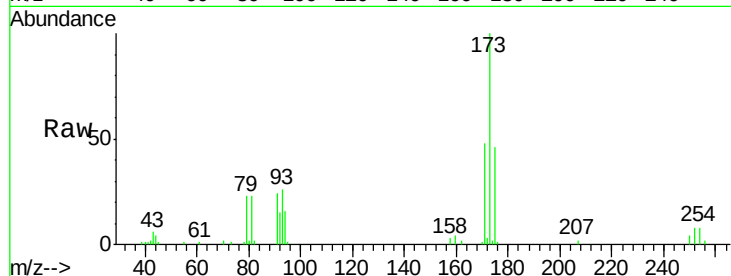
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

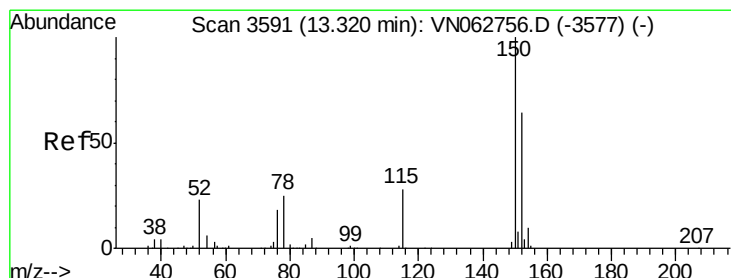
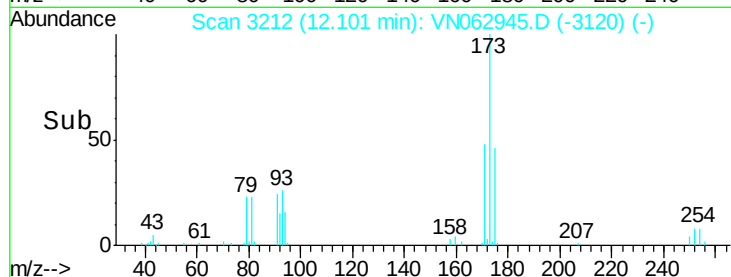
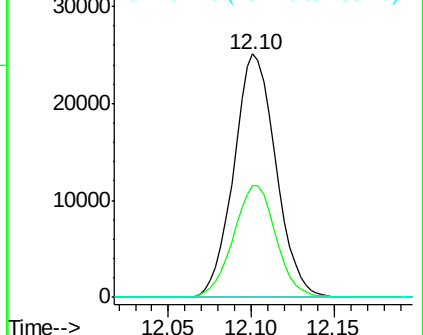
8/17/2020 11:43:48 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

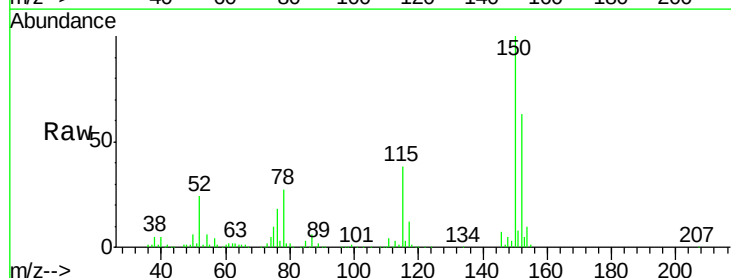
Tgt Ion:152 Resp: 179409

Ion Ratio Lower Upper

152 100

115 60.3 31.6 94.8

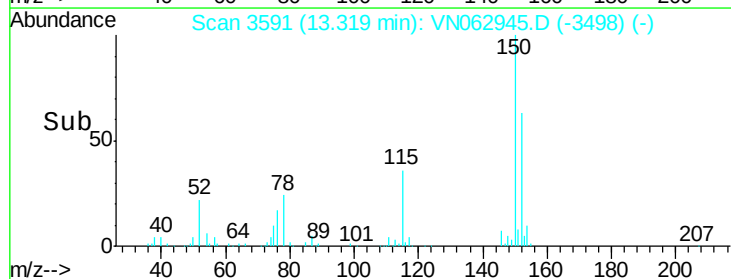
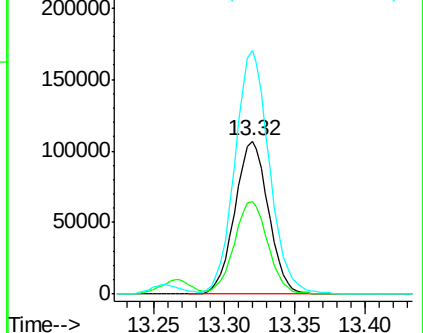
150 161.7 0.0 349.2

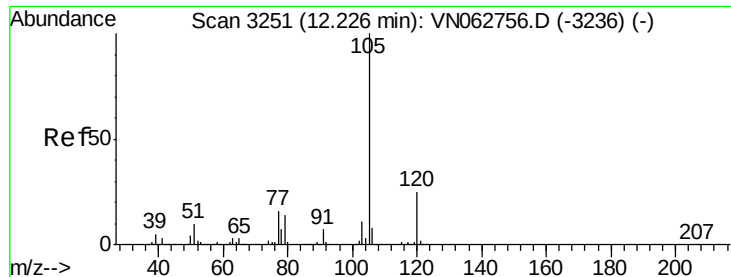


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





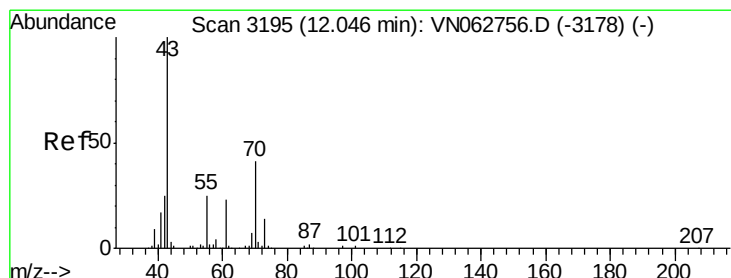
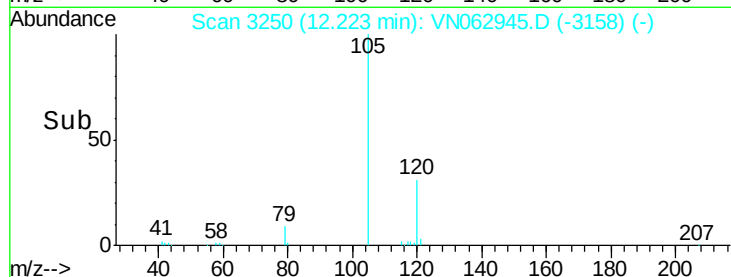
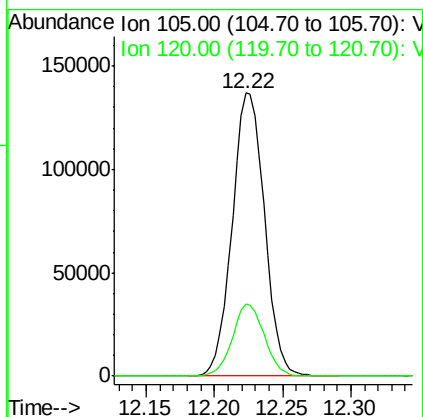
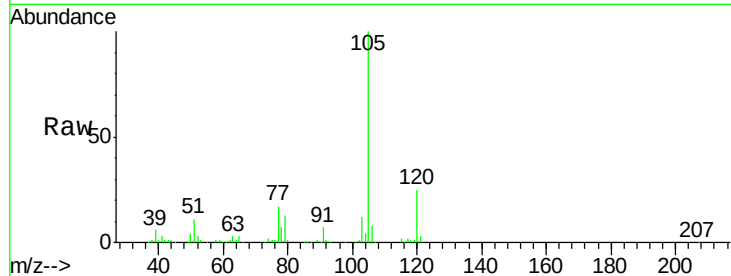
#73
Isopropylbenzene
Concen: 16.708 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.6	37.8

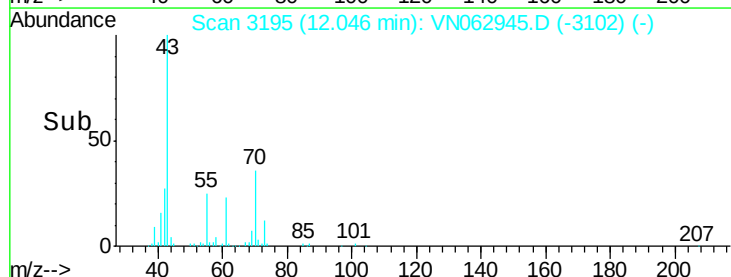
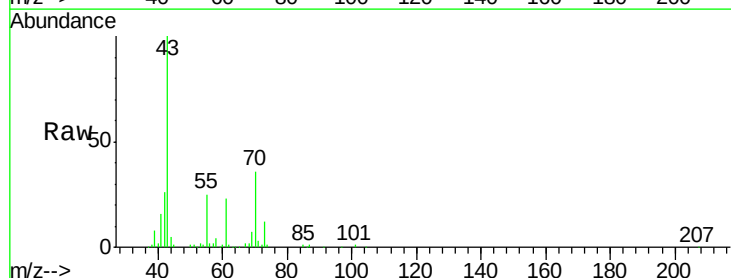
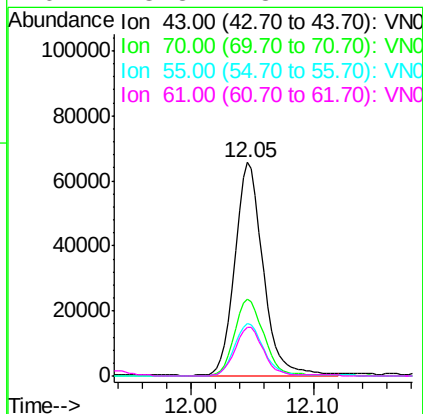
Manual Integrations
APPROVED

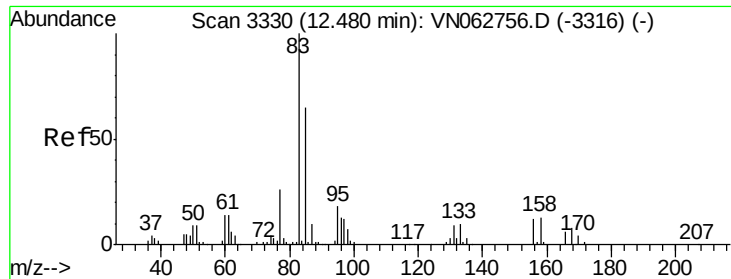
MMDadoda
8/17/2020 11:43:48 AM



#74
N-ethyl acetate
Concen: 19.231 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.1	32.3	48.5
55	25.8	20.2	30.2
61	23.3	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.148 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

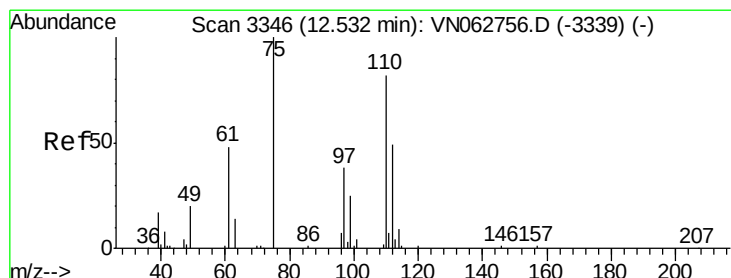
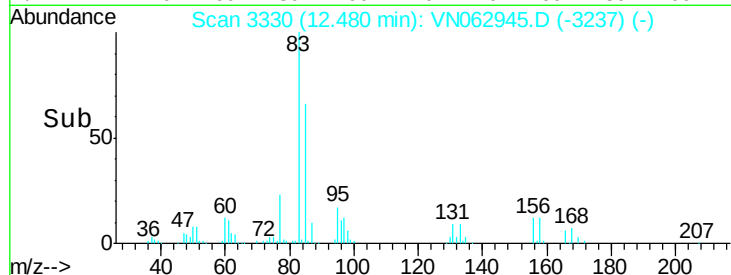
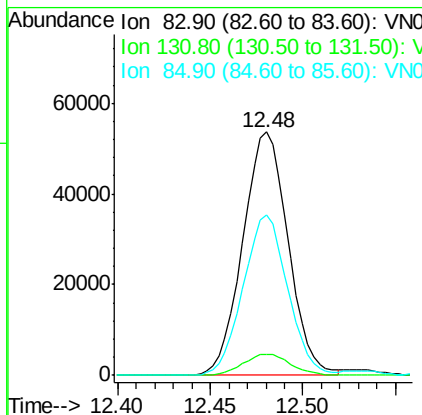
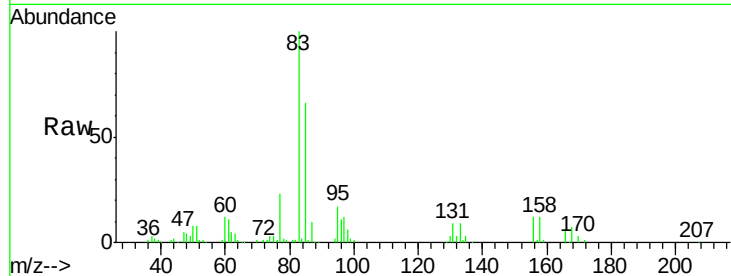
ClientSampleId :

VN0814WBSD02

Tot Ion:	83	Resp:	91060
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.1	15.4
85	64.8	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
8/17/2020 11:43:48 AM



#76

1,2,3-Trichloropropane

Concen: 17.470 ug/l m

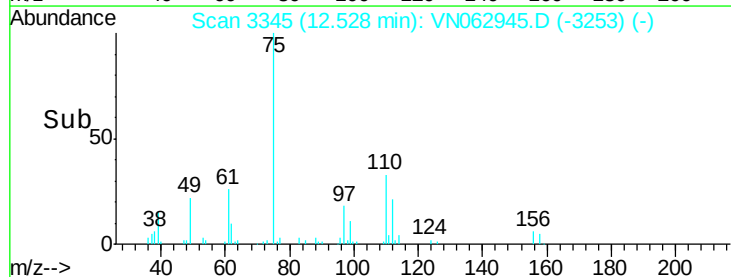
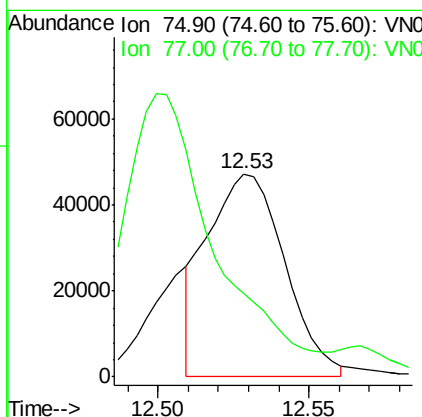
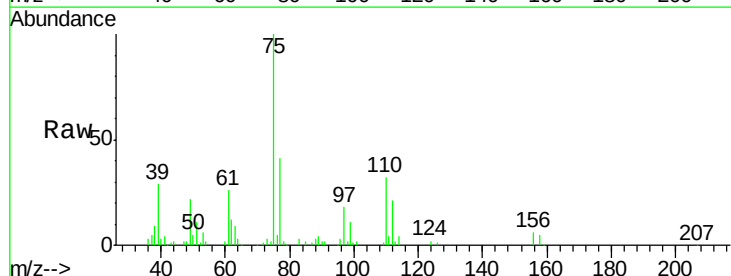
RT: 12.53 min Scan# 3345

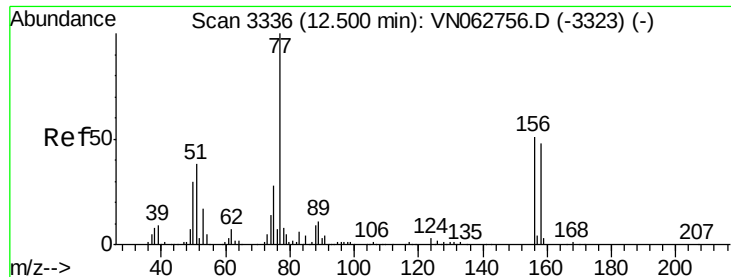
Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Tgt Ion:	75	Resp:	84527
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.306 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

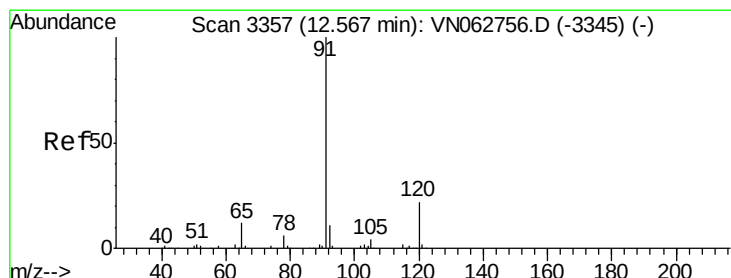
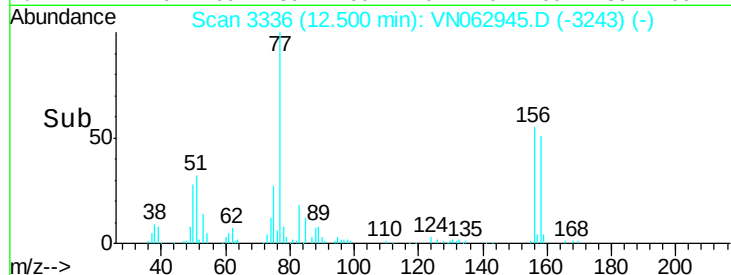
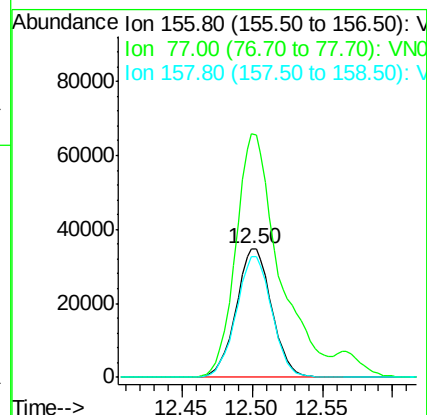
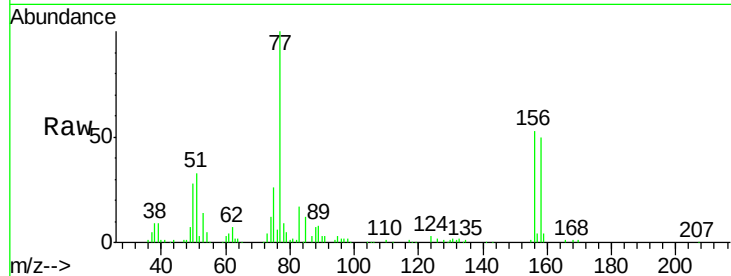
ClientSampleId :

VN0814WBSD02

Tot Ion:156 Resp: 61448
 Ion Ratio Lower Upper
 156 100
 77 229.0 119.7 359.1
 158 93.6 48.1 144.3

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 11:43:48 AM



#78

n-propylbenzene

Concen: 16.976 ug/l

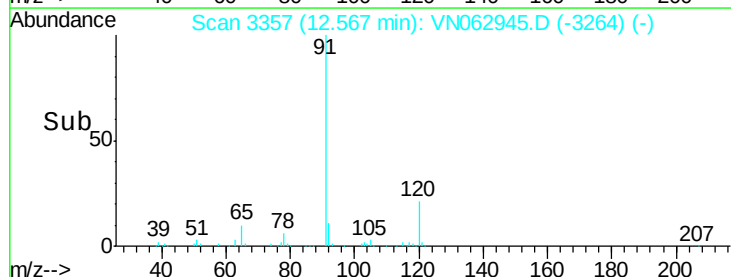
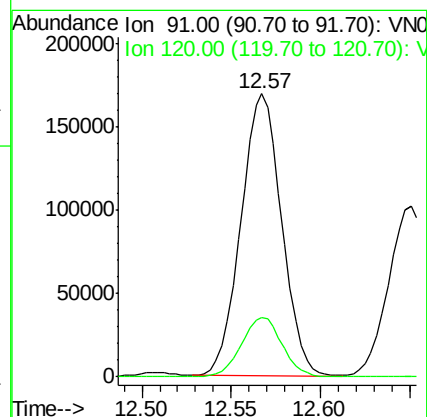
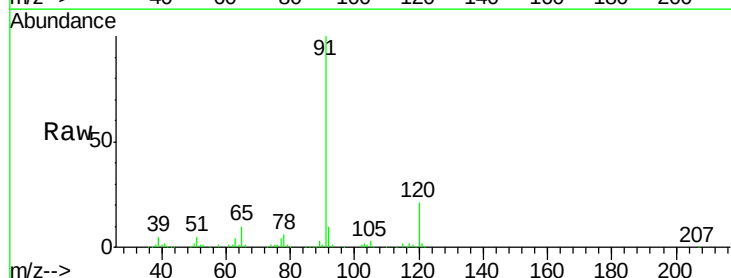
RT: 12.57 min Scan# 3357

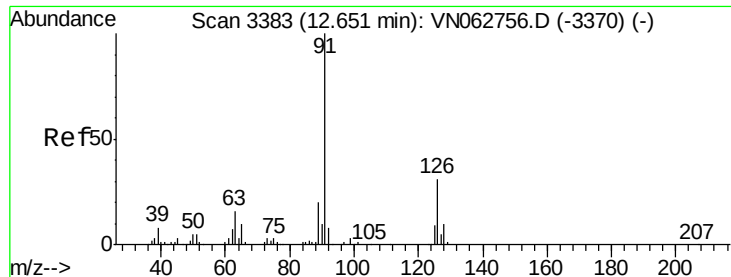
Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Tgt Ion: 91 Resp: 269205
 Ion Ratio Lower Upper
 91 100
 120 21.2 10.9 32.9





#79

2-Chlorotoluene

Concen: 16.834 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion: 91 Resp: 167405

Ion Ratio Lower Upper

91 100

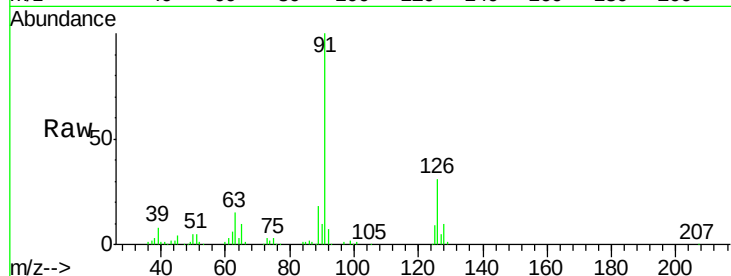
126 32.0 15.6 46.7

Manual Integrations

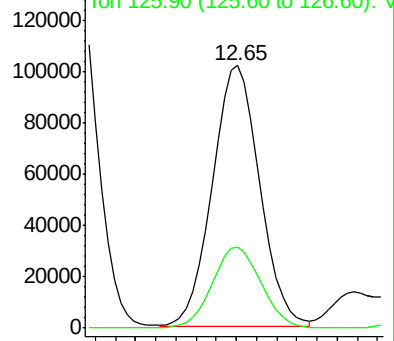
APPROVED

MMDadoda

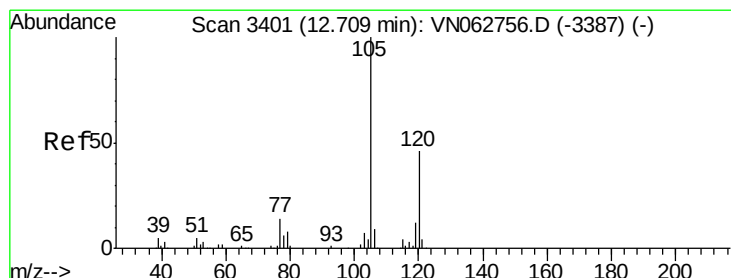
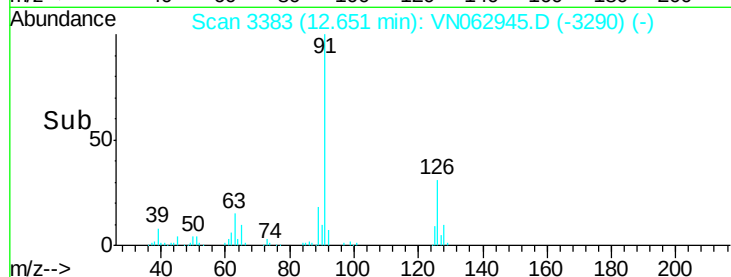
8/17/2020 11:43:48 AM



Abundance Ion 91.00 (90.70 to 91.70): VN062945.D (-3290) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 16.729 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062945.D

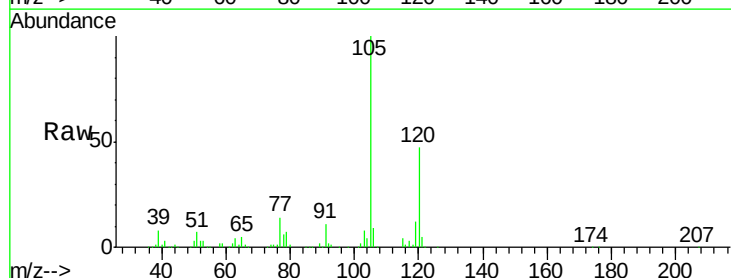
Acq: 14 Aug 2020 20:07

Tgt Ion: 105 Resp: 196066

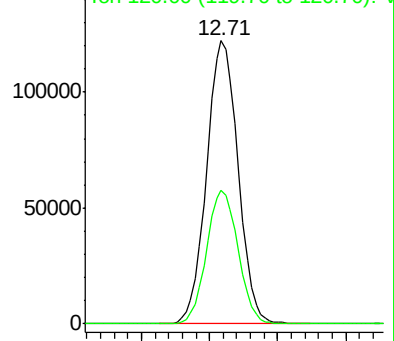
Ion Ratio Lower Upper

105 100

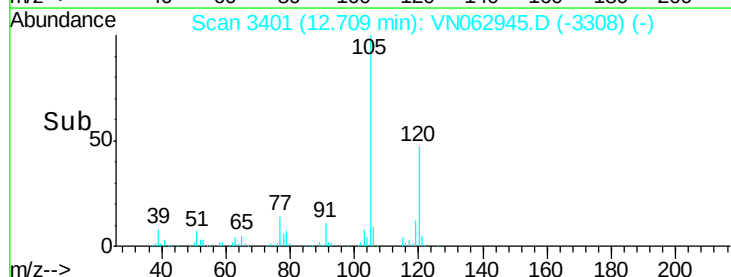
120 47.2 22.9 68.5

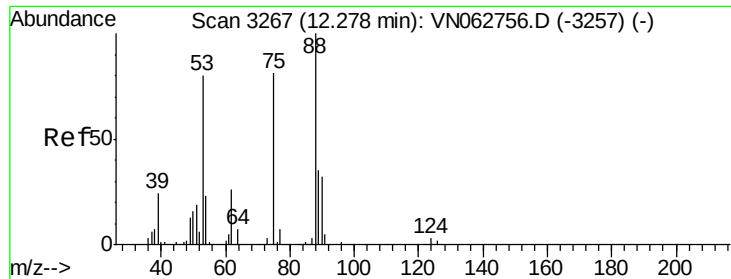


Abundance Ion 105.00 (104.70 to 105.70): VN062945.D (-3308) (-)



Time-->





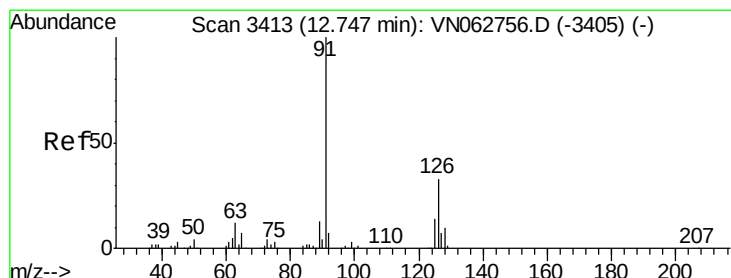
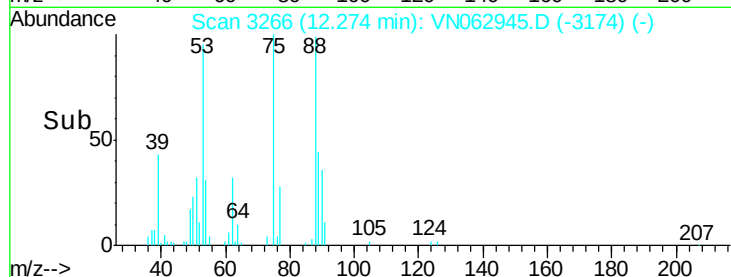
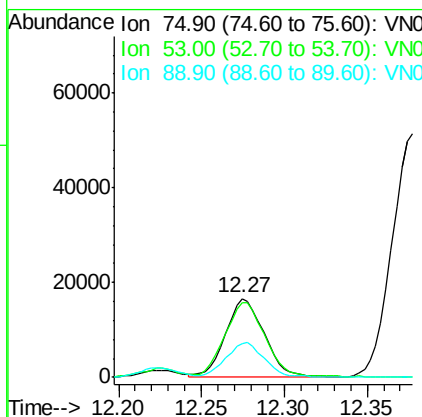
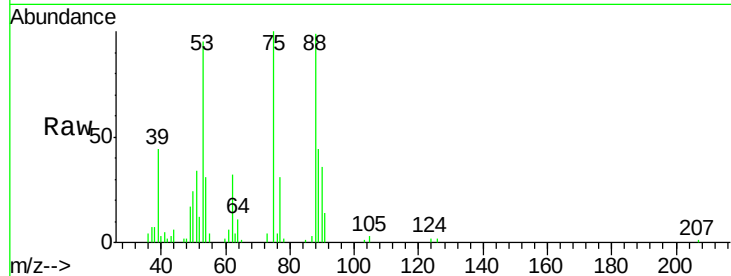
#81
trans-1,4-Dichloro-2-butene
Concen: 17.221 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.2	79.1	118.7
89	43.9	36.2	54.2

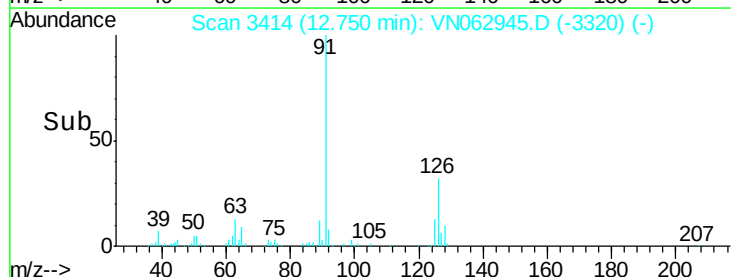
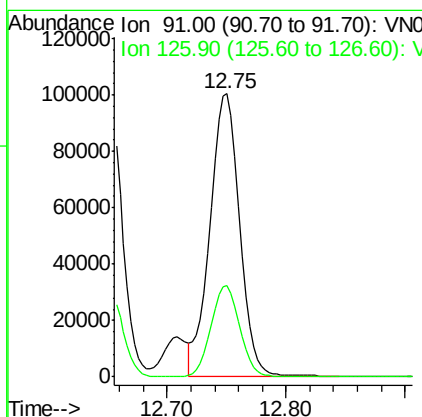
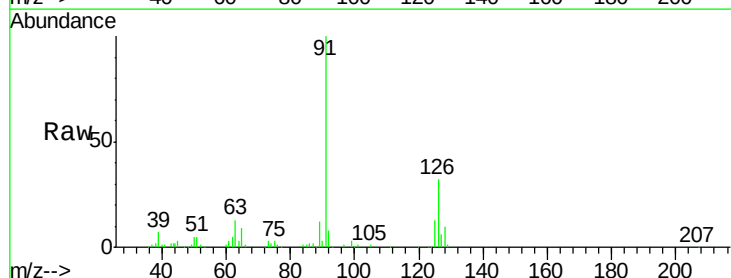
Manual Integrations
APPROVED

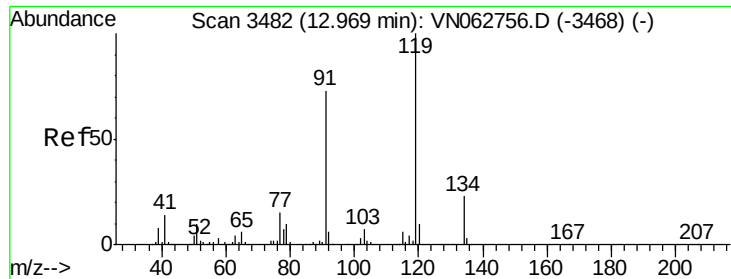
MMDadoda
8/17/2020 11:43:48 AM



#82
4-Chlorotoluene
Concen: 16.814 ug/l
RT: 12.75 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.3	45.9





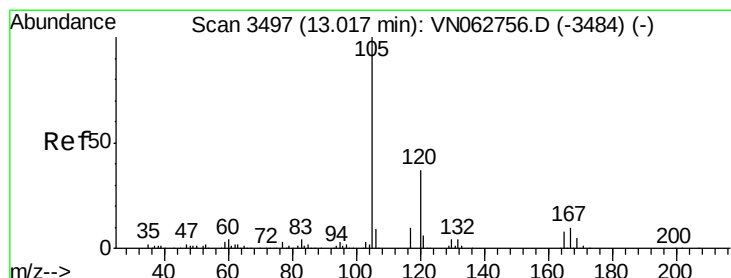
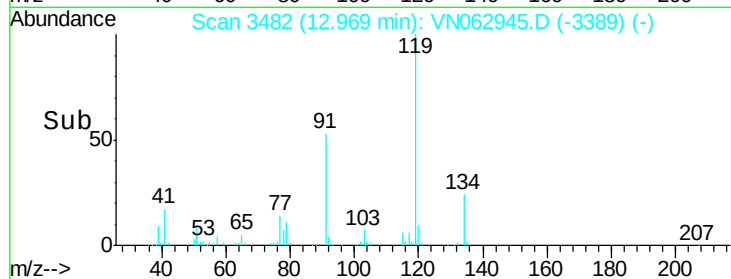
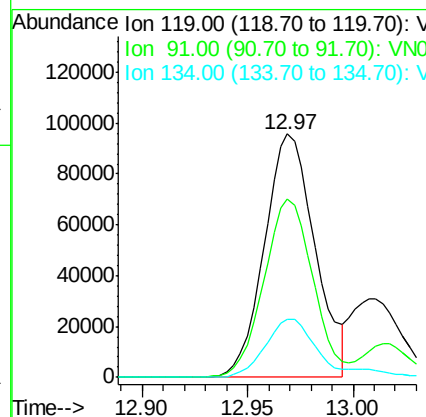
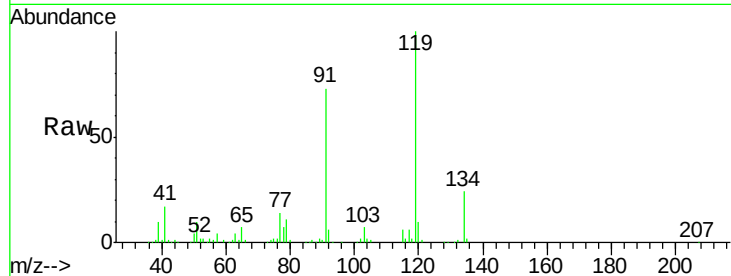
#83
 tert-Butylbenzene
 Concen: 16.113 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062945.D
 Acq: 14 Aug 2020 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.3	36.5	109.5
134	23.5	11.3	33.8

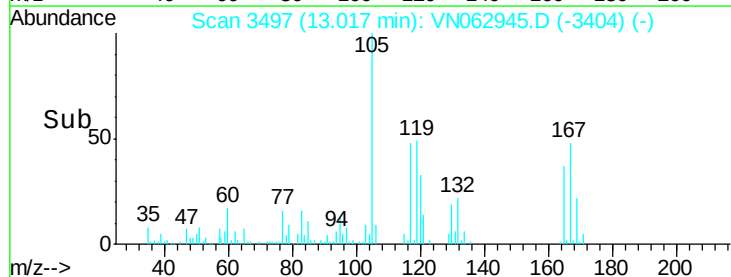
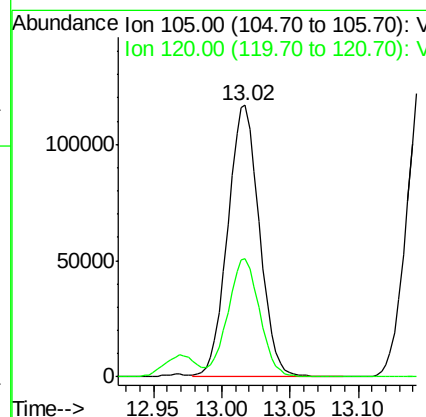
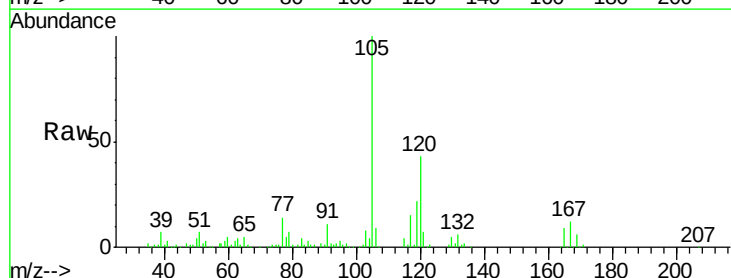
Manual Integrations
 APPROVED

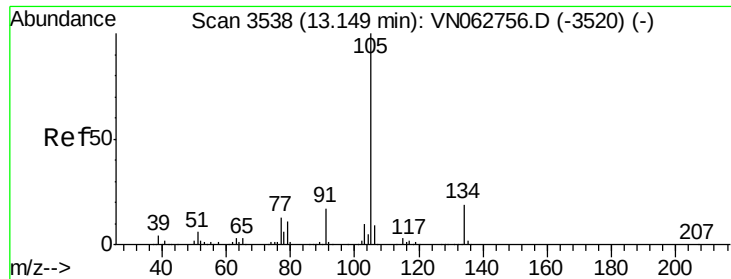
MMDadoda
 8/17/2020 11:43:48 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 16.698 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. -0.00 min
 Lab File: VN062945.D
 Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.4	64.2





#85

sec-Butylbenzene

Concen: 16.686 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion:105 Resp: 217300

Ion Ratio Lower Upper

105 100

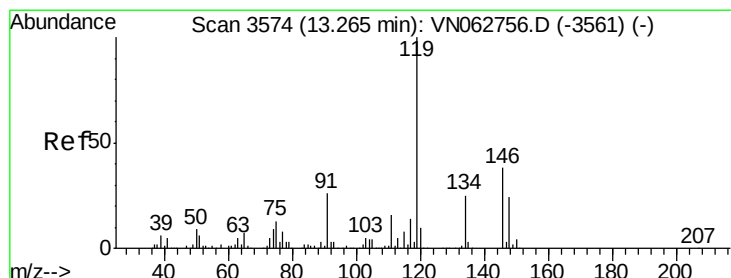
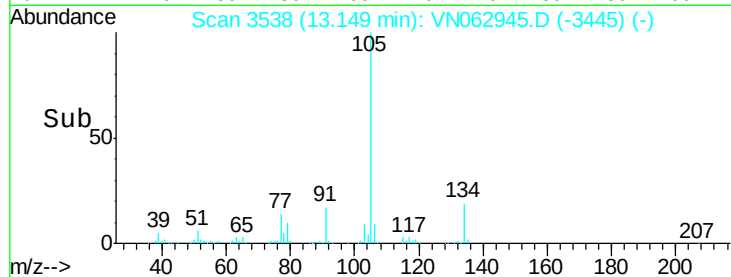
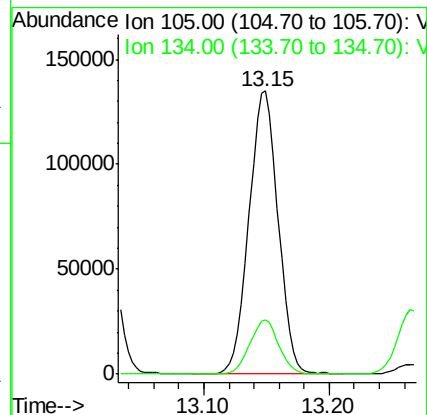
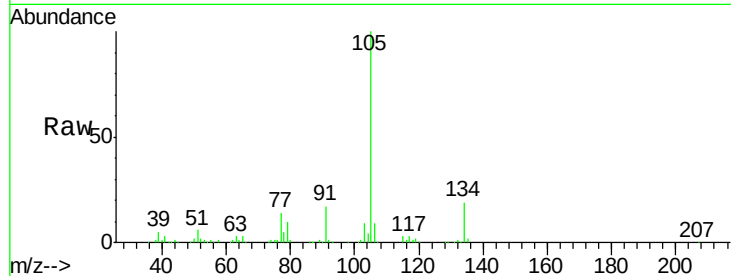
134 19.1 9.6 28.6

Manual Integrations

APPROVED

MMDadoda

8/17/2020 11:43:48 AM



#86

p-Isopropyltoluene

Concen: 15.887 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062945.D

Acq: 14 Aug 2020 20:07

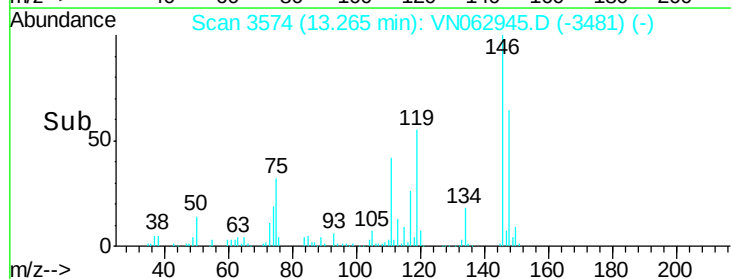
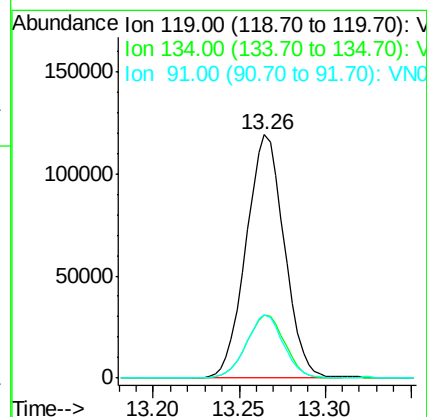
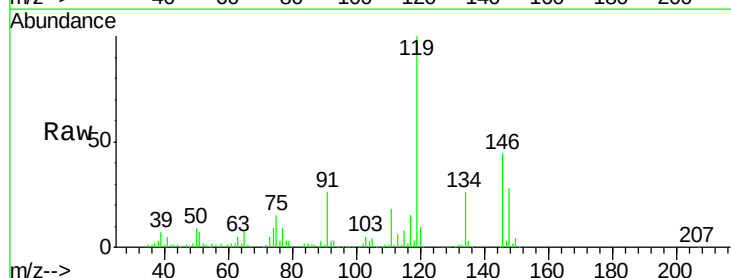
Tgt Ion:119 Resp: 183649

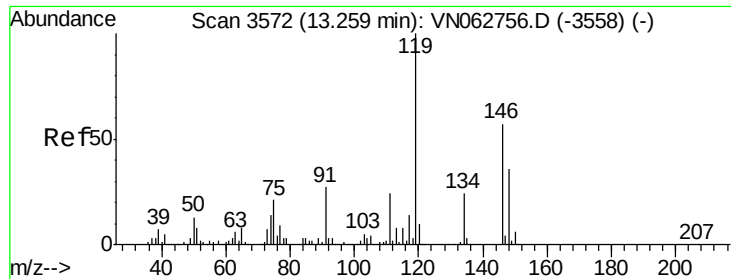
Ion Ratio Lower Upper

119 100

134 26.0 12.6 37.8

91 25.4 13.4 40.2





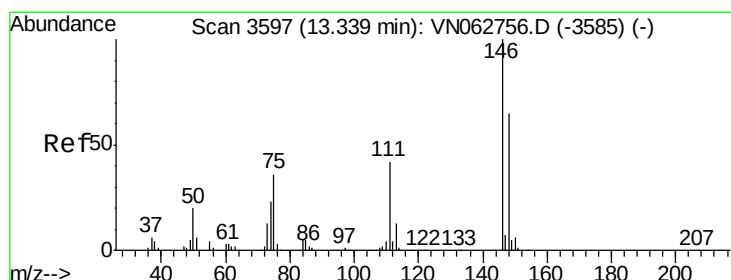
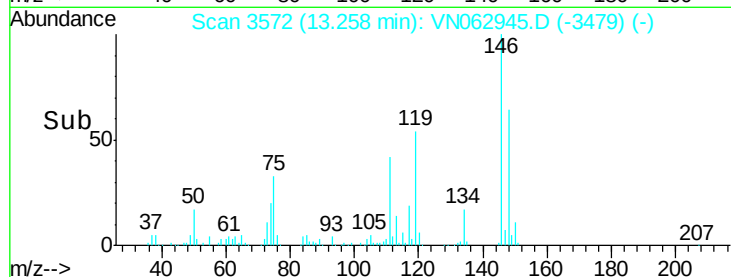
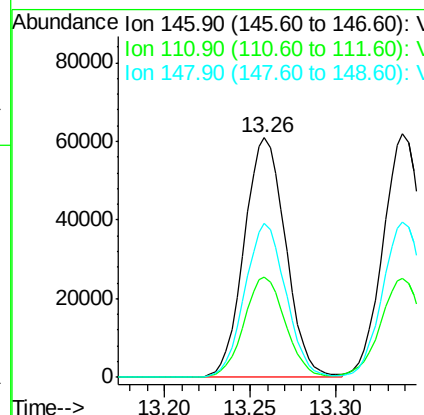
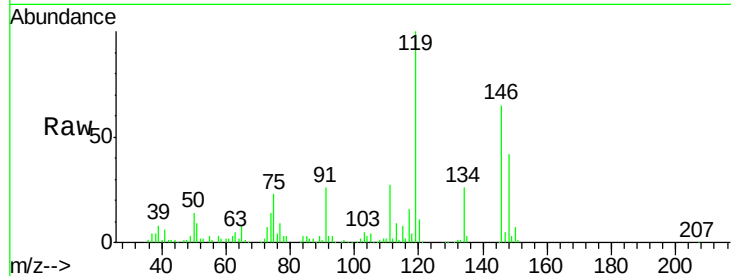
#87
 1,3-Dichlorobenzene
 Concen: 17.023 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062945.D
 Acq: 14 Aug 2020 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.7	65.1
148	63.6	31.4	94.2

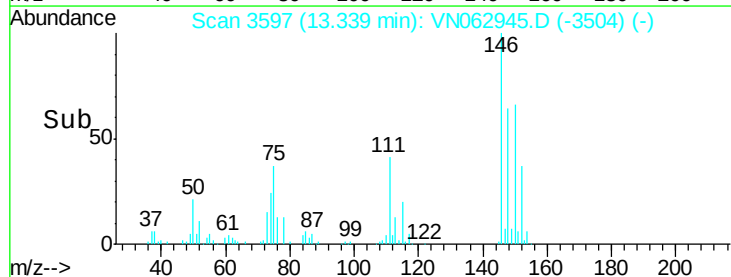
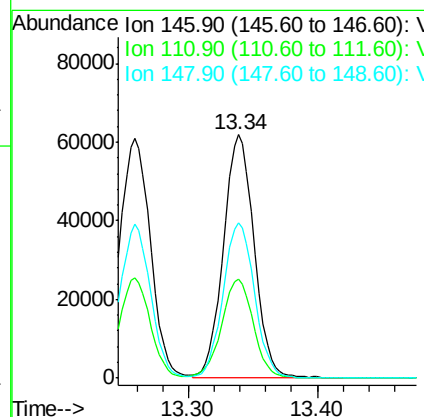
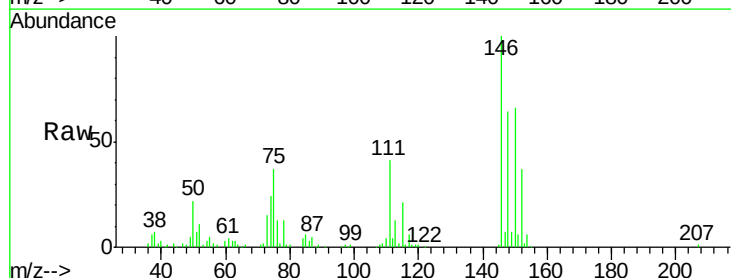
Manual Integrations
 APPROVED

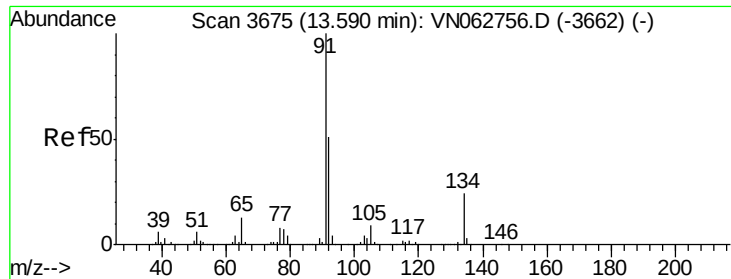
MMDadoda
 8/17/2020 11:43:48 AM



#88
 1,4-Dichlorobenzene
 Concen: 17.019 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062945.D
 Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.6	64.6
148	65.6	32.6	97.8





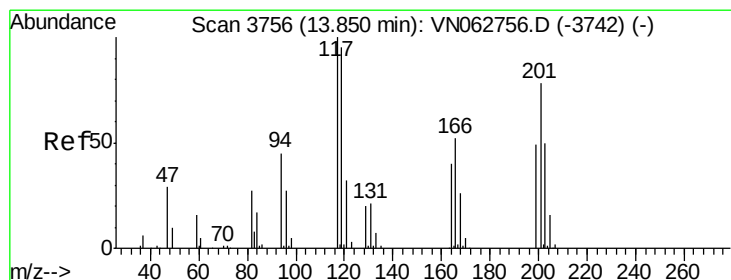
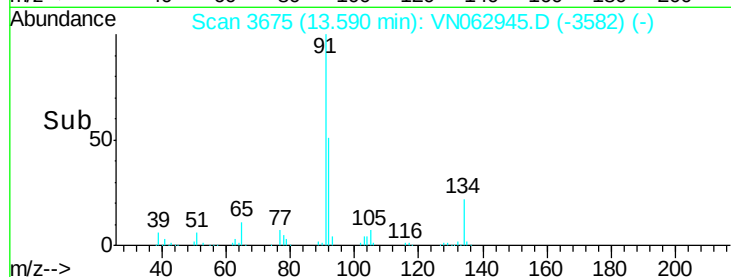
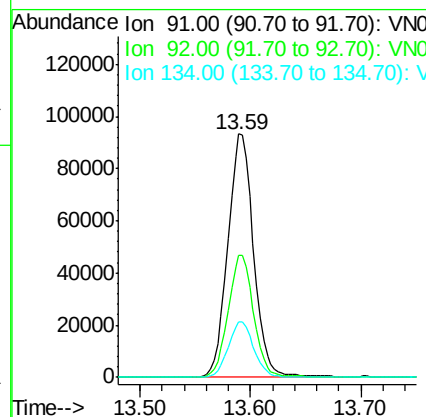
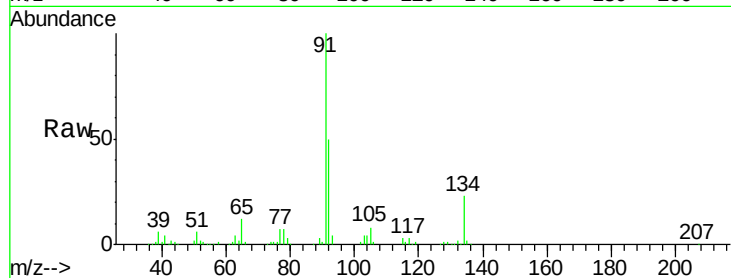
#89
n-Butylbenzene
Concen: 15.516 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.6	25.7	77.0
134	22.8	12.2	36.6

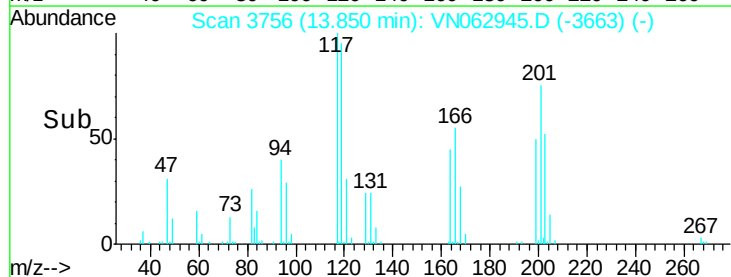
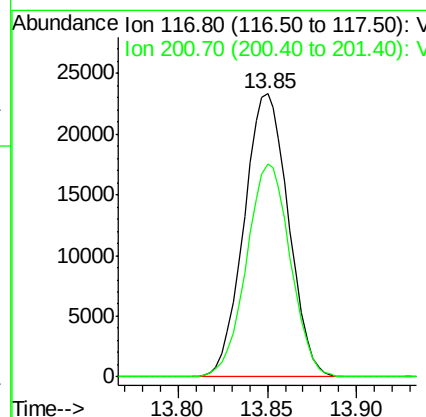
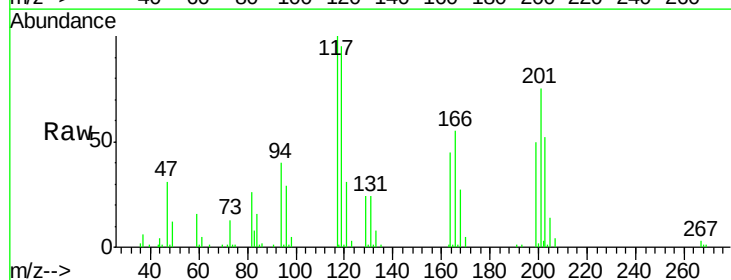
Manual Integrations
APPROVED

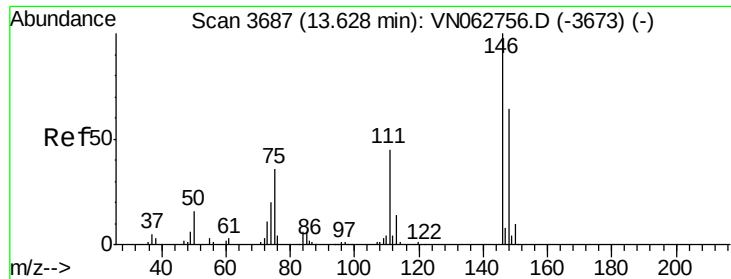
MMDadoda
8/17/2020 11:43:48 AM



#90
Hexachloroethane
Concen: 16.280 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.3	39.2	117.6





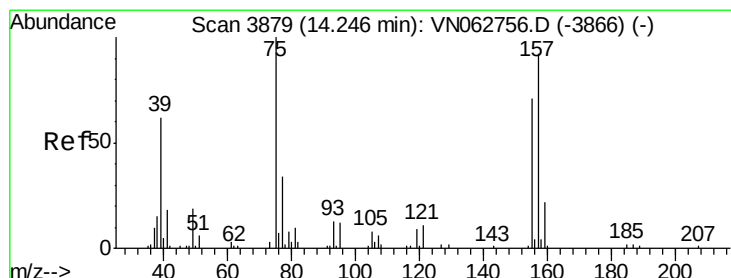
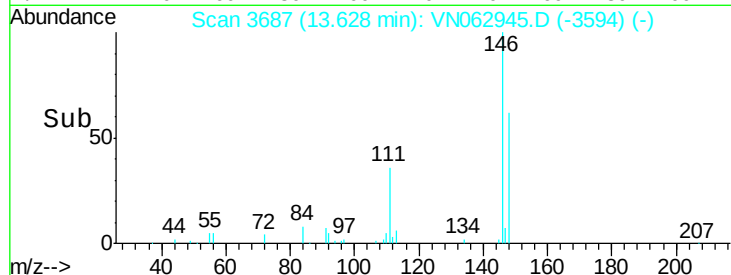
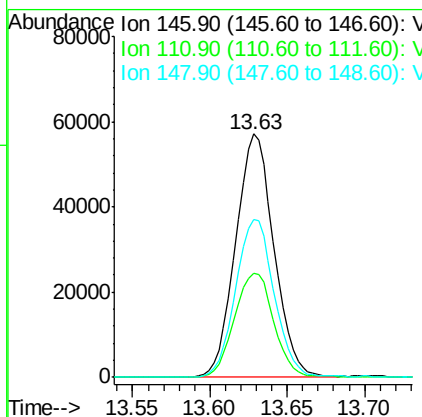
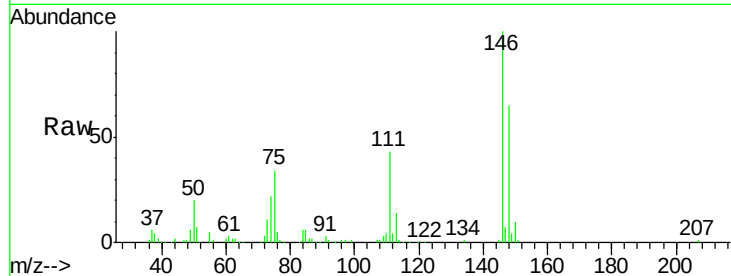
#91
 1,2-Dichlorobenzene
 Concen: 17.475 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062945.D
 Acq: 14 Aug 2020 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion:	146	Resp:	98241
Ion Ratio	Lower	Upper	
146	100		
111	44.2	22.8	68.4
148	65.5	31.9	95.5

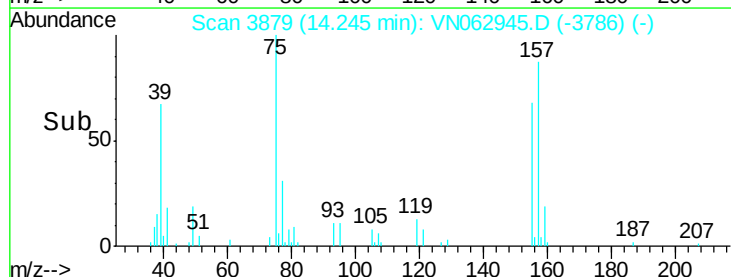
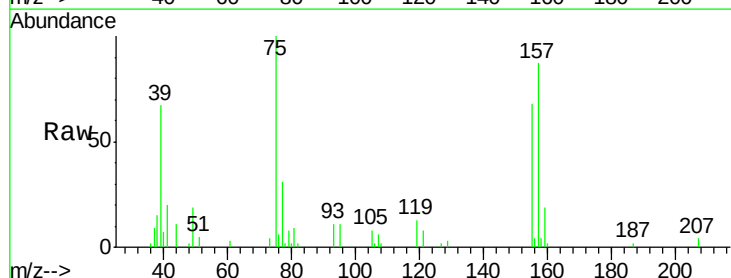
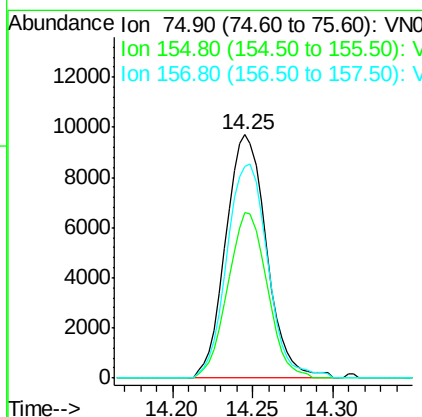
Manual Integrations
 APPROVED

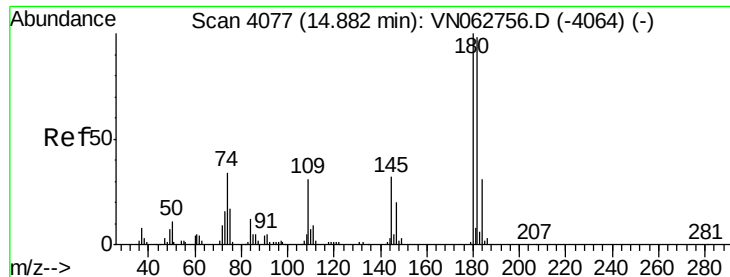
MMDadoda
 8/17/2020 11:43:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.568 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062945.D
 Acq: 14 Aug 2020 20:07

Tgt Ion:	75	Resp:	16915
Ion Ratio	Lower	Upper	
75	100		
155	65.6	35.0	105.1
157	88.3	43.2	129.6





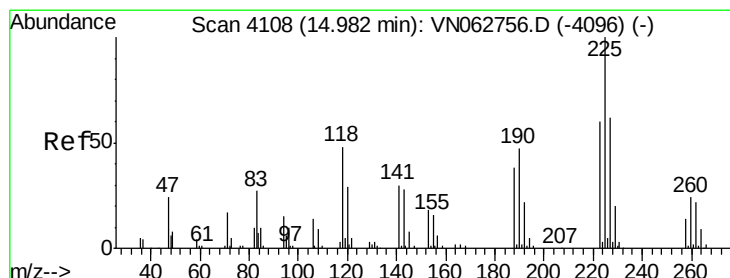
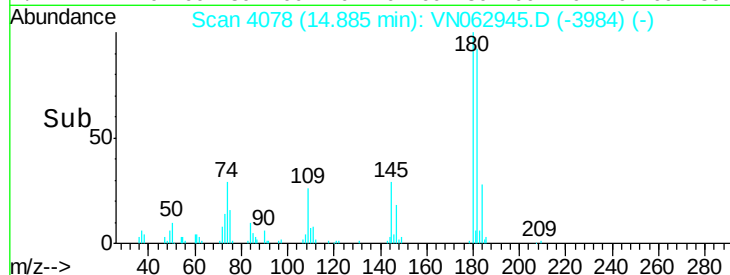
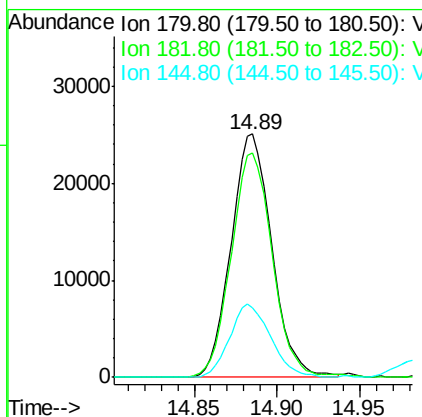
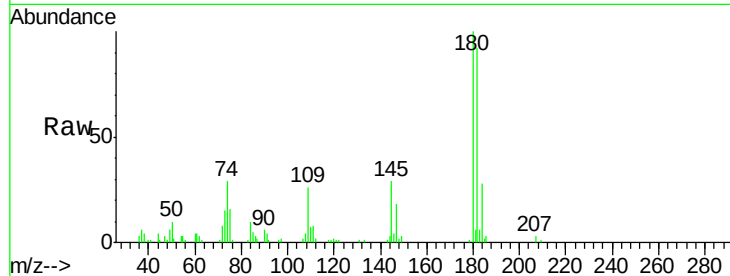
#93
 1,2,4-Trichlorobenzene
 Concen: 16.559 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062945.D
 Acq: 14 Aug 2020 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	42811		
182	93.5		49.1	147.4
145	30.1		16.3	48.8

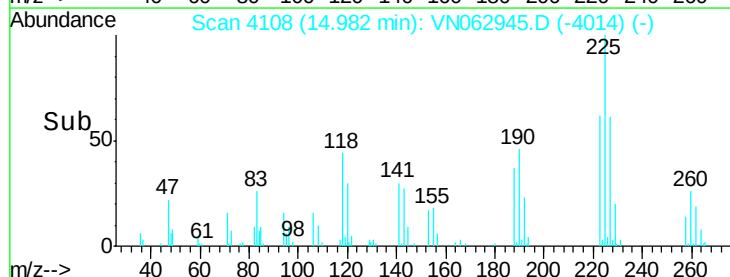
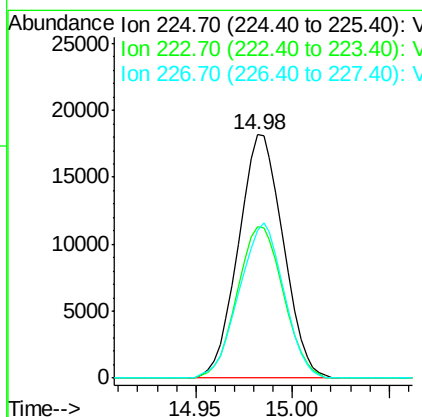
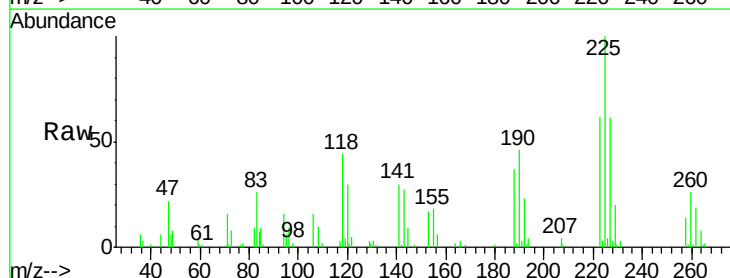
Manual Integrations
 APPROVED

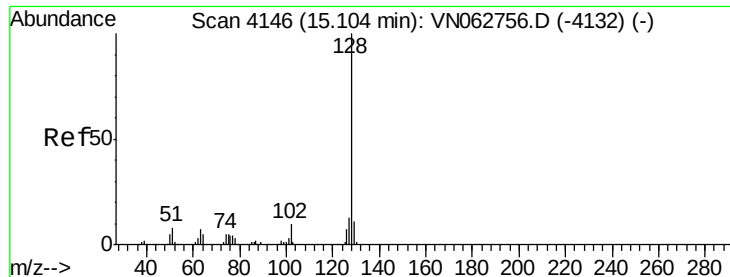
MMDadoda
 8/17/2020 11:43:48 AM



#94
 Hexachlorobutadiene
 Concen: 15.501 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062945.D
 Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29317		
223	64.0		30.6	92.0
227	63.5		31.6	95.0





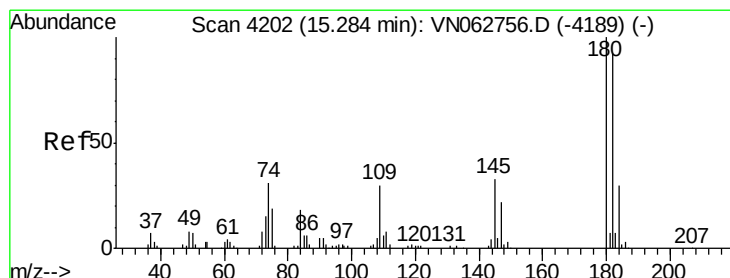
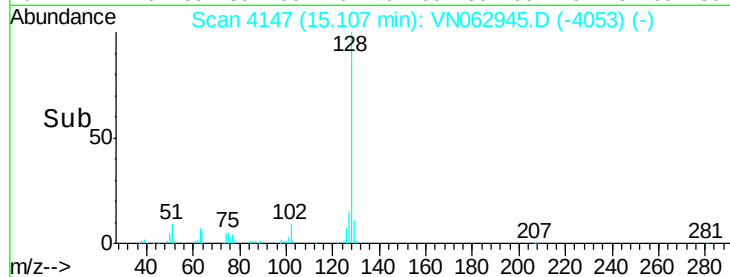
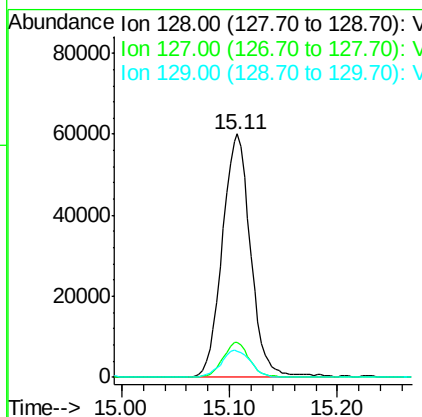
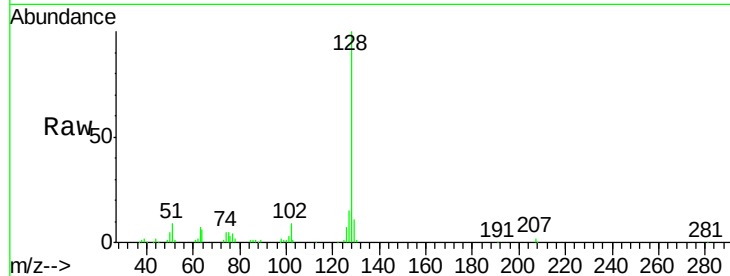
#95
Naphthalene
Concen: 16.045 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	109899		
127	13.4		10.8	16.2
129	11.4		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/17/2020 11:43:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.794 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062945.D
Acq: 14 Aug 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	44247		
182	94.5		47.9	143.6
145	33.1		17.3	51.7

