

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082520\
 Data File : VN063116.D
 Acq On : 25 Aug 2020 16:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/26/2020 11:26:49 AM

Quant Time: Aug 26 09:43:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	194773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	295598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	268179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	127634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	123812	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
35) Dibromofluoromethane	7.55	113	96560	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.06	98	378760	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.38	95	132873	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	110979	43.648	ug/l	98
3) Chloromethane	2.04	50	132485	49.609	ug/l	99
4) Vinyl Chloride	2.16	62	118105	45.729	ug/l	99
5) Bromomethane	2.54	94	45733	29.833	ug/l	99
6) Chloroethane	2.67	64	73140	47.965	ug/l	98
7) Trichlorofluoromethane	2.98	101	145137	45.062	ug/l	97
8) Diethyl Ether	3.38	74	58576	51.409	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	77264	44.519	ug/l	99
10) Methyl Iodide	3.91	142	77477	35.219	ug/l	100
11) Tert butyl alcohol	4.75	59	73403	224.489	ug/l	96
12) 1,1-Dichloroethene	3.70	96	69111	41.802	ug/l	100
13) Acrolein	3.58	56	4469m	43.628	ug/l	
14) Allyl chloride	4.28	41	131386	45.071	ug/l	98
15) Acrylonitrile	4.94	53	248922	259.010	ug/l	99
16) Acetone	3.79	43	235325	328.132	ug/l	99
17) Carbon Disulfide	4.01	76	163177	37.686	ug/l	100
18) Methyl Acetate	4.28	43	256519	111.819	ug/l	94
19) Methyl tert-butyl Ether	5.00	73	321439	55.749	ug/l	99
20) Methylene Chloride	4.50	84	97519	47.858	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	77106	44.565	ug/l	98
22) Diisopropyl ether	5.90	45	350285	52.952	ug/l	99
23) Vinyl Acetate	5.84	43	1143707	256.210	ug/l	100
24) 1,1-Dichloroethane	5.80	63	174638	47.243	ug/l	98
25) 2-Butanone	6.79	43	319393	260.612	ug/l	98
26) 2,2-Dichloropropane	6.77	77	131587	45.264	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	101062	46.601	ug/l	98
28) Bromochloromethane	7.15	49	98469	50.911	ug/l	98
29) Tetrahydrofuran	7.17	42	210162	265.702	ug/l	99
30) Chloroform	7.33	83	178591	47.971	ug/l	99
31) Cyclohexane	7.61	56	147929	43.479	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	140679	46.286	ug/l	98
36) 1,1-Dichloropropene	7.75	75	113155	43.438	ug/l	99
37) Ethyl Acetate	6.88	43	121946	49.960	ug/l	98
38) Carbon Tetrachloride	7.73	117	113779	43.263	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082520\
 Data File : VN063116.D
 Acq On : 25 Aug 2020 16:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/26/2020 11:26:49 AM

Quant Time: Aug 26 09:43:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	145439	41.624	ug/l	98
40) Benzene	8.00	78	378549	45.818	ug/l	99
41) Methacrylonitrile	7.12	41	63840	54.894	ug/l	96
42) 1,2-Dichloroethane	8.08	62	134016	48.308	ug/l	99
43) Isopropyl Acetate	8.13	43	213566	52.813	ug/l	100
44) Trichloroethene	8.80	130	95985	46.705	ug/l	99
45) 1,2-Dichloropropane	9.08	63	113959	47.717	ug/l	98
46) Dibromomethane	9.17	93	68438	49.605	ug/l	99
47) Bromodichloromethane	9.37	83	144718	47.892	ug/l	99
48) Methyl methacrylate	9.17	41	107392	56.129	ug/l	97
49) 1,4-Dioxane	9.18	88	24444	586.985	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	699738	273.760	ug/l	100
52) Toluene	10.12	92	236615	47.475	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	158081	50.588	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	170946	49.868	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	104276	48.931	ug/l	99
56) Ethyl methacrylate	10.40	69	162597	49.421	ug/l	97
57) 1,3-Dichloropropane	10.68	76	175223	49.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	362786	443.448	ug/l	99
59) 2-Hexanone	10.72	43	501263	281.151	ug/l	100
60) Dibromochloromethane	10.87	129	112312	47.622	ug/l	99
61) 1,2-Dibromoethane	10.98	107	101225	49.434	ug/l	100
64) Tetrachloroethene	10.60	164	97098	55.080	ug/l	99
65) Chlorobenzene	11.41	112	256255	47.578	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	102275	48.820	ug/l	99
67) Ethyl Benzene	11.48	91	456123	50.119	ug/l	100
68) m/p-Xylenes	11.60	106	346421	102.416	ug/l	100
69) o-Xylene	11.92	106	168923	52.007	ug/l	99
70) Styrene	11.94	104	301032	46.829	ug/l	99
71) Bromoform	12.10	173	81280	48.744	ug/l #	99
73) Isopropylbenzene	12.22	105	447471	51.196	ug/l	99
74) N-amyl acetate	12.05	43	212176	67.780	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	139277	49.360	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	127986m	51.588	ug/l	
77) Bromobenzene	12.50	156	115549	48.068	ug/l	97
78) n-propylbenzene	12.57	91	518772	52.072	ug/l	100
79) 2-Chlorotoluene	12.65	91	305409	48.739	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	380464	52.657	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	50967	56.422	ug/l	96
82) 4-Chlorotoluene	12.75	91	326834	51.222	ug/l	99
83) tert-Butylbenzene	12.97	119	315647	50.616	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	392146	55.711	ug/l	99
85) sec-Butylbenzene	13.15	105	427950	50.777	ug/l	100
86) p-Isopropyltoluene	13.26	119	391279	53.281	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	202471	49.010	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	200052	47.710	ug/l	99
89) n-Butylbenzene	13.59	91	350218	50.300	ug/l	99
90) Hexachloroethane	13.85	117	66150	42.380	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	199196	49.916	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	28479	64.697	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082520\
Data File : VN063116.D
Acq On : 25 Aug 2020 16:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
8/26/2020 11:26:49 AM

Quant Time: Aug 26 09:43:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	133234	59.302	ug/l	99
94) Hexachlorobutadiene	14.98	225	64188	43.529	ug/l	99
95) Naphthalene	15.10	128	389313	73.464	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	129563	58.976	ug/l	99

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

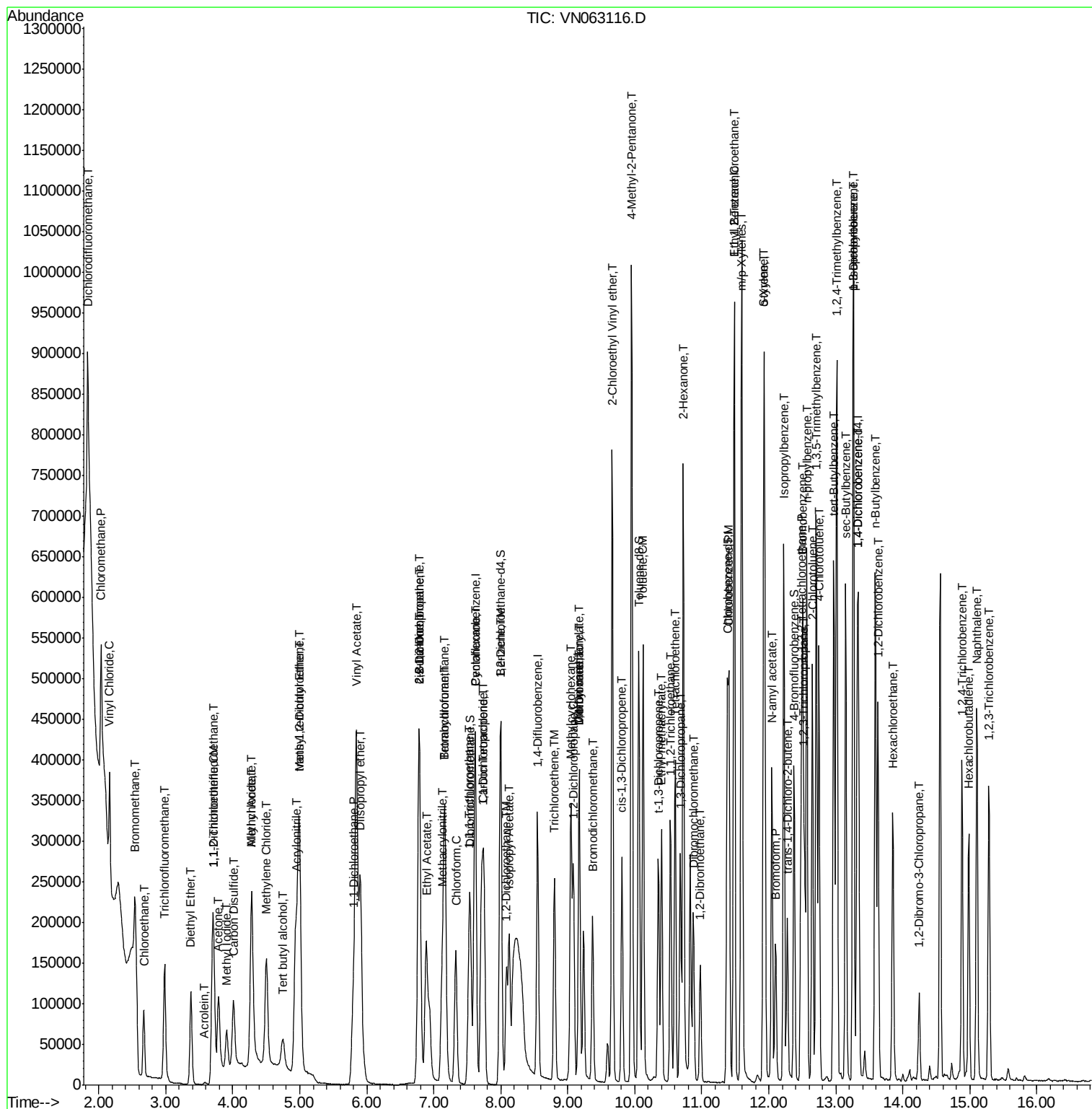
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN082520\
Data File : VN063116.D
Acq On : 25 Aug 2020 16:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

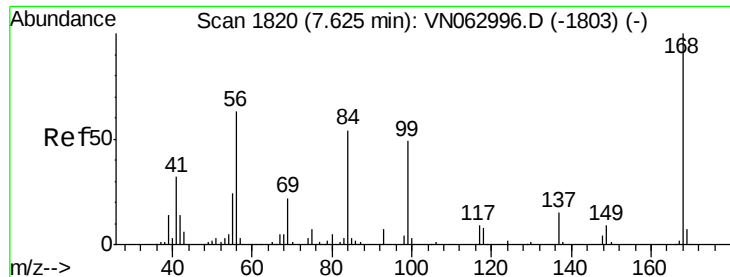
Instrument :
MSVOA_N
Client Sample ID :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
8/26/2020 11:26:49 AM

Quant Time: Aug 26 09:43:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 194773

Ion Ratio Lower Upper

168 100

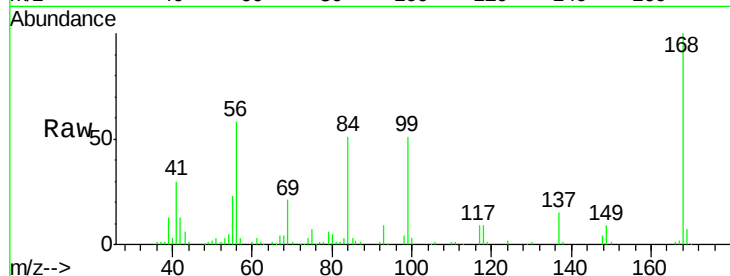
99 50.8 42.0 63.0

Manual Integrations

APPROVED

MMDadoda

8/26/2020 11:26:49 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

60000

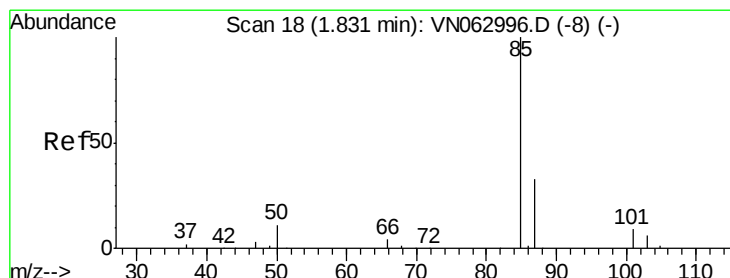
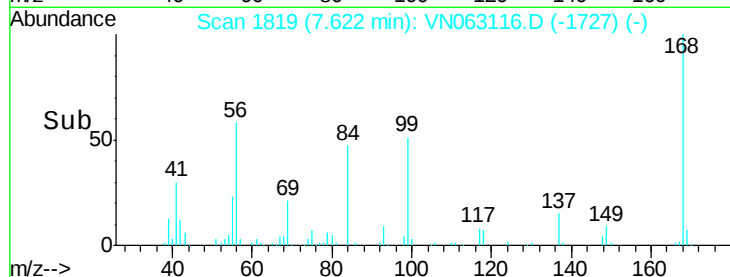
40000

20000

0

Time-->

7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 43.648 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.01 min

Lab File: VN063116.D

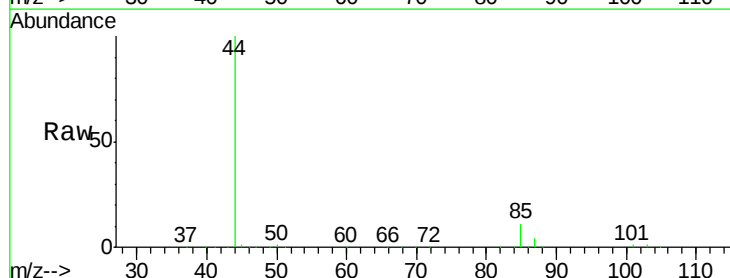
Acq: 25 Aug 2020 16:38

Tgt Ion: 85 Resp: 110979

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

100000

80000

60000

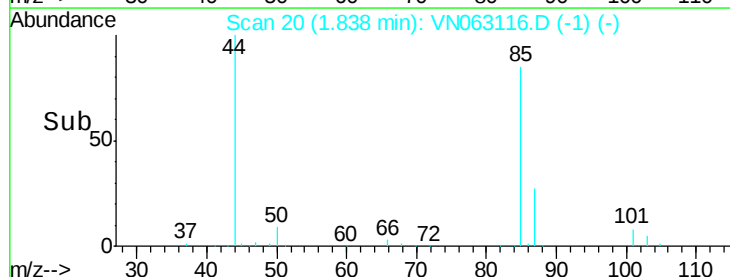
40000

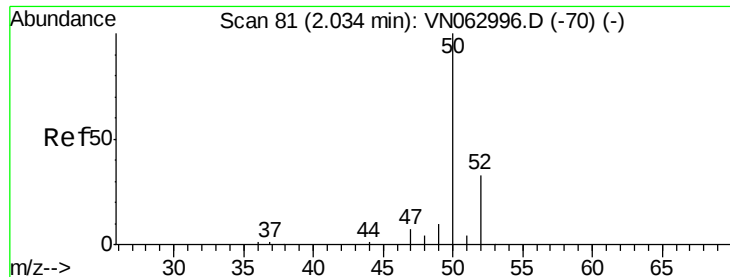
20000

0

Time-->

1.80 1.85 1.90





#3

Chloromethane

Concen: 49.609 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 132485

Ion Ratio Lower Upper

50 100

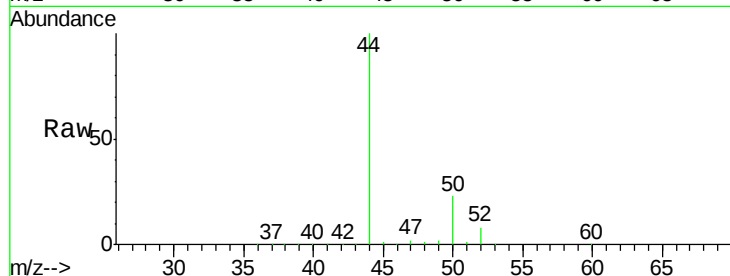
52 32.9 26.0 39.0

Manual Integrations

APPROVED

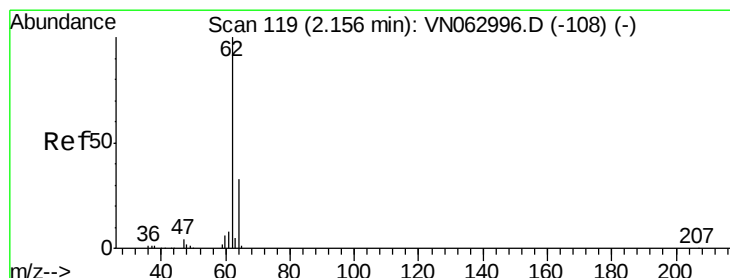
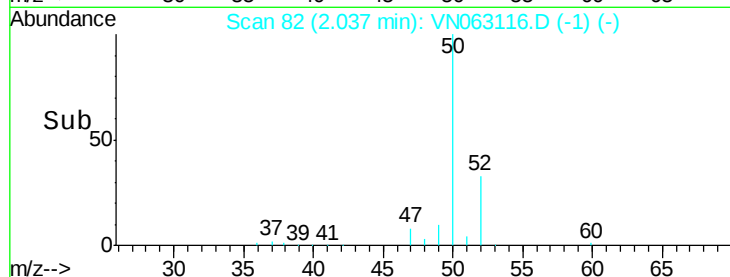
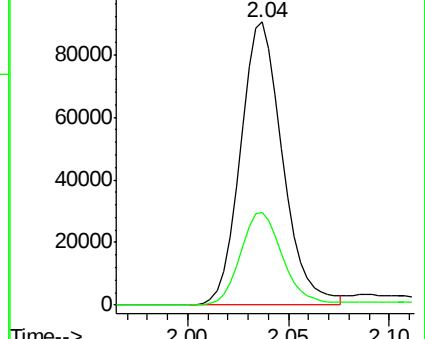
MMDadoda

8/26/2020 11:26:49 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.729 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.01 min

Lab File: VN063116.D

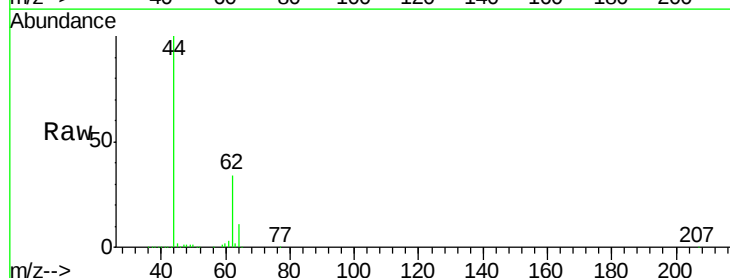
Acq: 25 Aug 2020 16:38

Tgt Ion: 62 Resp: 118105

Ion Ratio Lower Upper

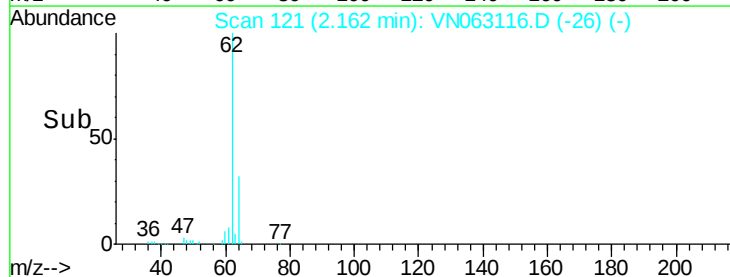
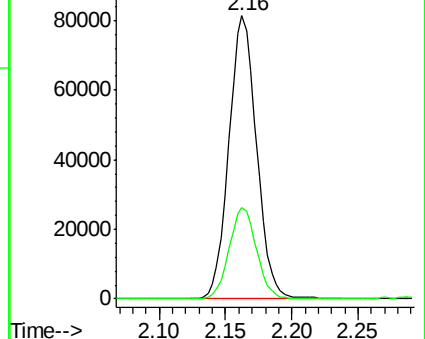
62 100

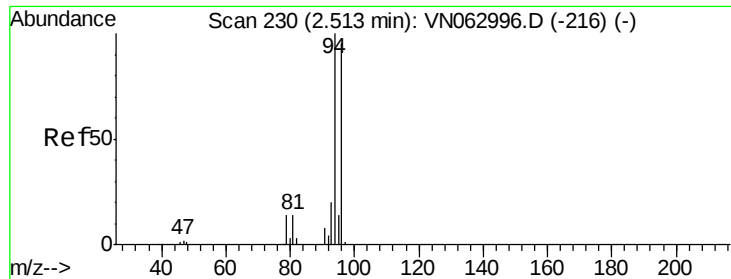
64 32.2 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 29.833 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.03 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 45733

Ion Ratio Lower Upper

94 100

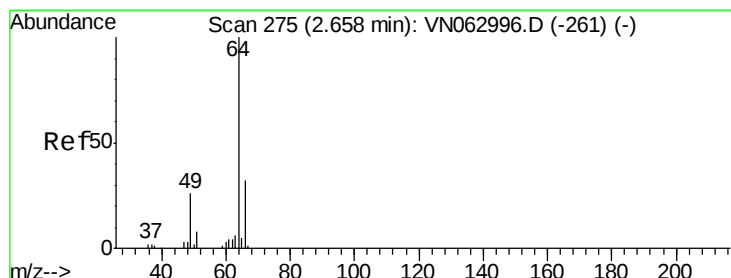
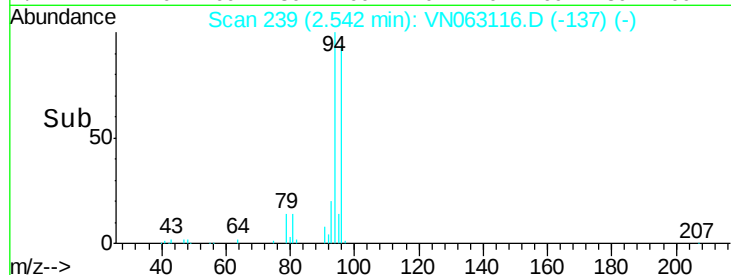
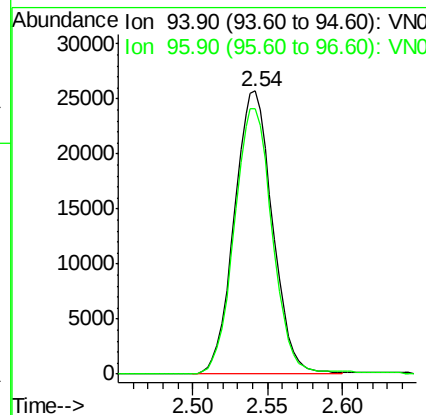
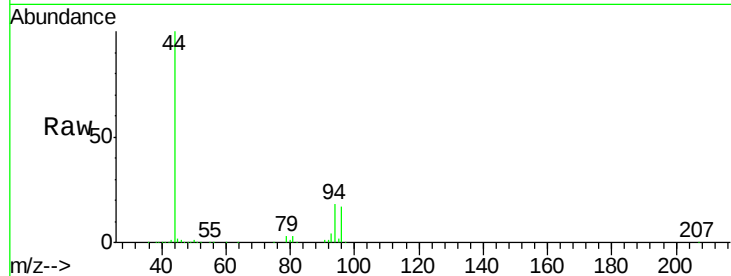
96 94.0 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

8/26/2020 11:26:49 AM



#6

Chloroethane

Concen: 47.965 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN063116.D

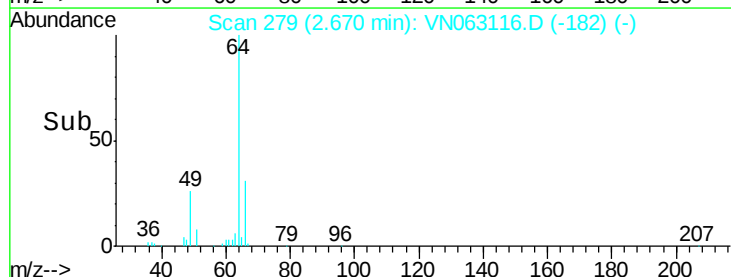
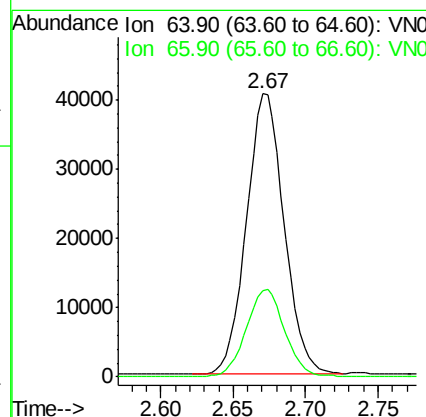
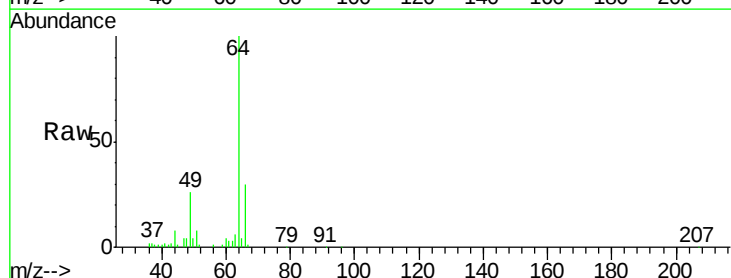
Acq: 25 Aug 2020 16:38

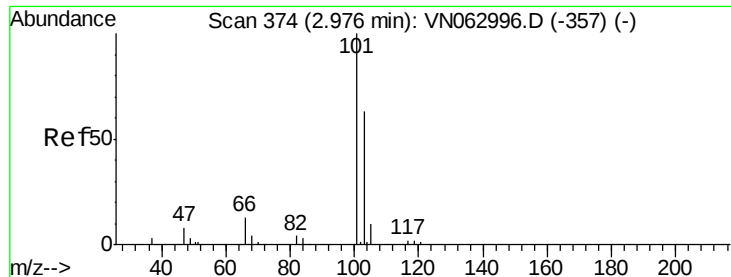
Tgt Ion: 64 Resp: 73140

Ion Ratio Lower Upper

64 100

66 30.8 25.4 38.0





#7

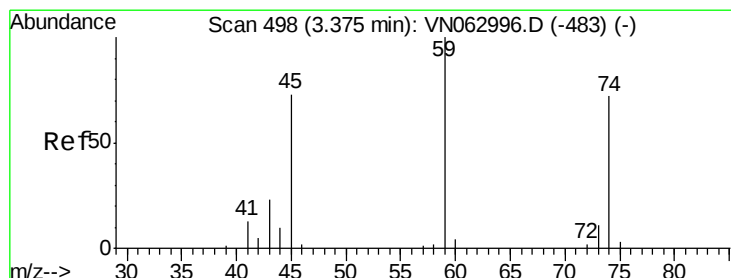
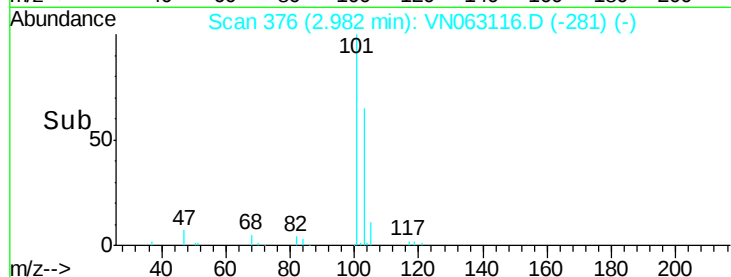
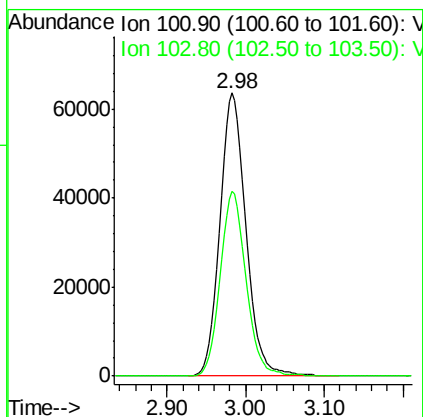
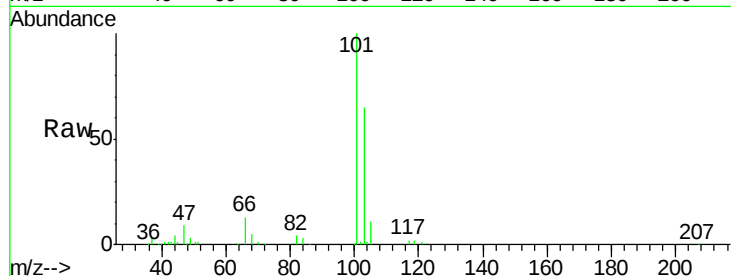
Trichlorofluoromethane
Concen: 45.062 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.01 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	145137		
103	65.4	50.5	75.7	

Manual Integrations
APPROVED

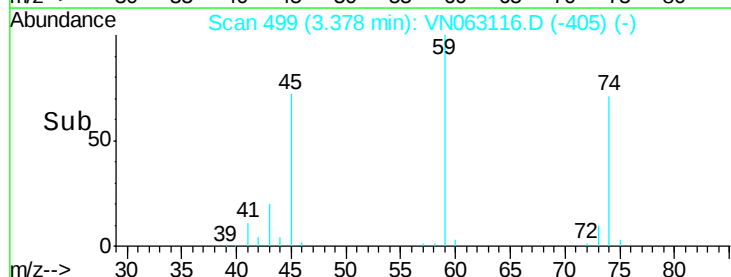
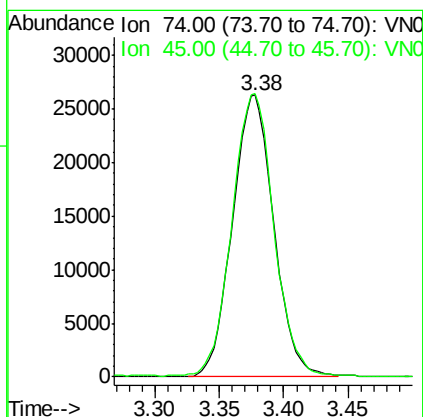
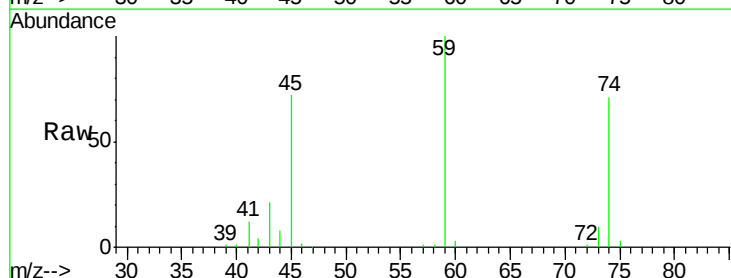
MMDadoda
8/26/2020 11:26:49 AM

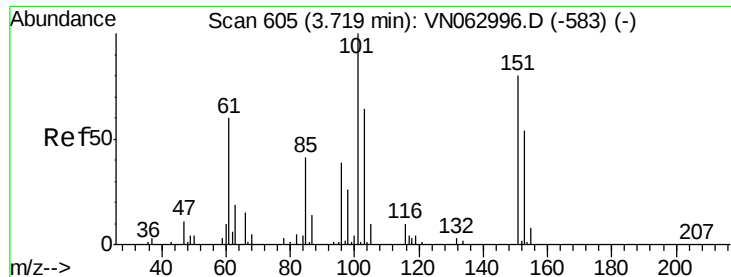


#8

Diethyl Ether
Concen: 51.409 ug/l
RT: 3.38 min Scan# 499
Delta R.T. 0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	58576		
45	102.8	49.9	149.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.519 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

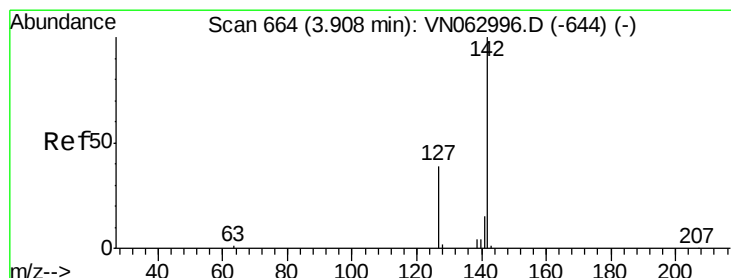
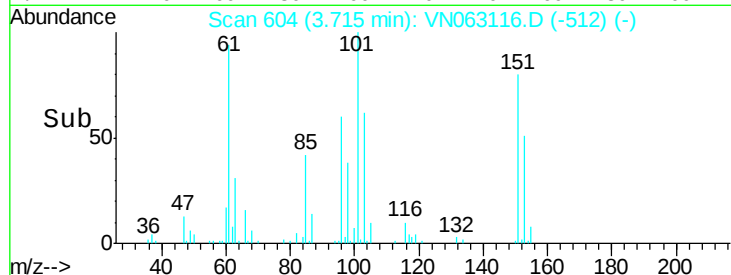
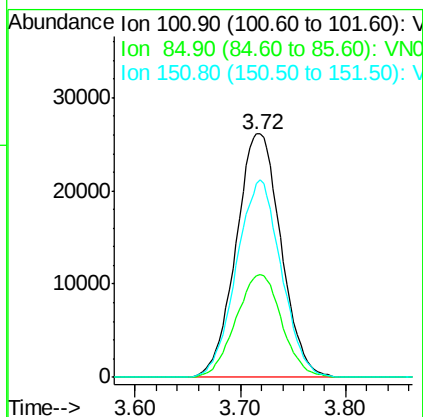
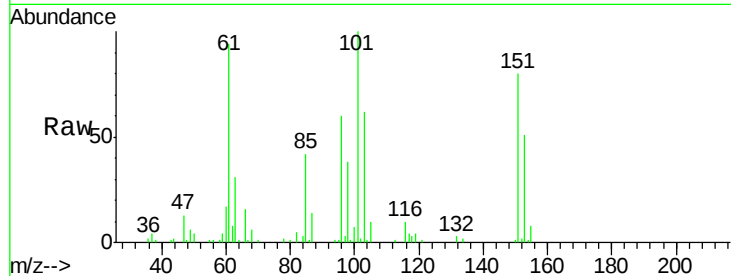
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	77264
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.0	51.0
151	81.1	65.8	98.8

Manual Integrations
APPROVED

MMDadoda
8/26/2020 11:26:49 AM



#10

Methyl Iodide

Concen: 35.219 ug/l

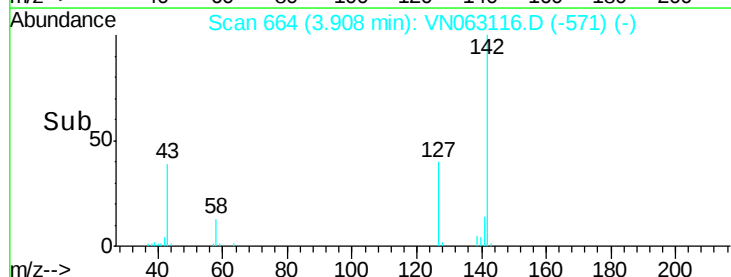
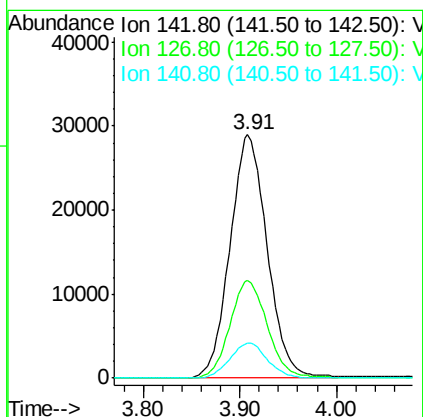
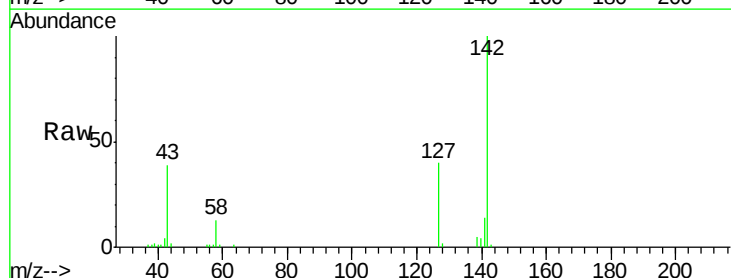
RT: 3.91 min Scan# 664

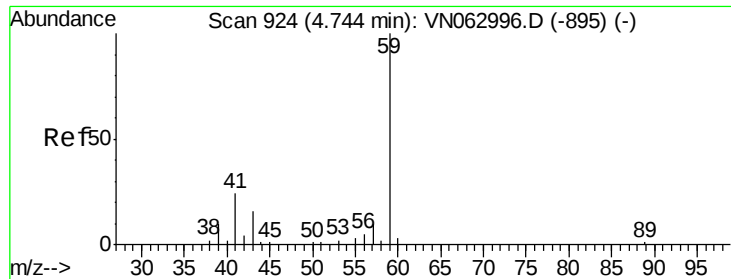
Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Tgt Ion:	142	Resp:	77477
Ion Ratio	Lower	Upper	
142	100		
127	40.3	32.2	48.4
141	14.4	11.3	16.9





#11

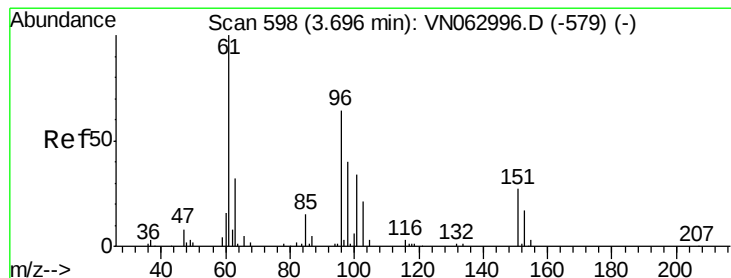
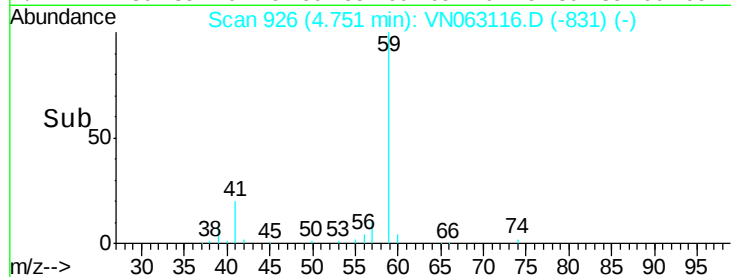
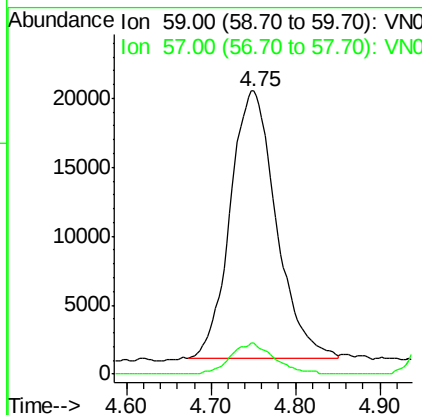
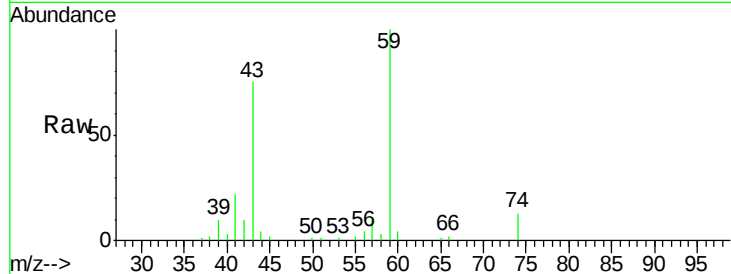
Tert butyl alcohol
 Concen: 224.489 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. 0.01 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	11.2	Resp	Lower	Upper
73403								

Manual Integrations
 APPROVED

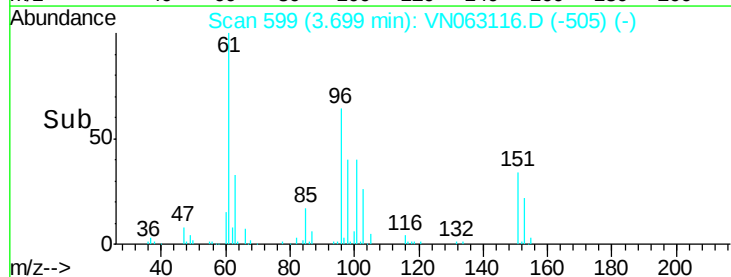
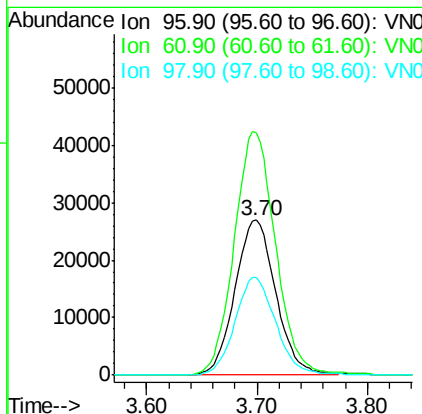
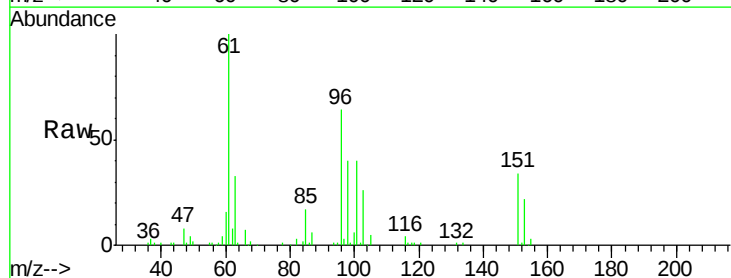
MMDadoda
 8/26/2020 11:26:49 AM

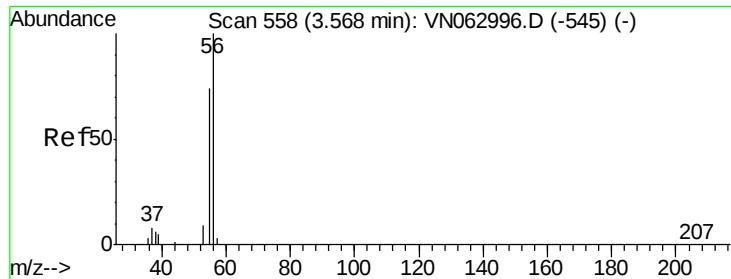


#12

1,1-Dichloroethene
 Concen: 41.802 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion	96	61	98	Ratio	100	156.5	62.9	Resp	Lower	Upper
69111										





#13

Acrolein

Concen: 43.628 ug/l m

RT: 3.58 min Scan# 563

Delta R.T. 0.02 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 4469

Ion Ratio Lower Upper

56 100

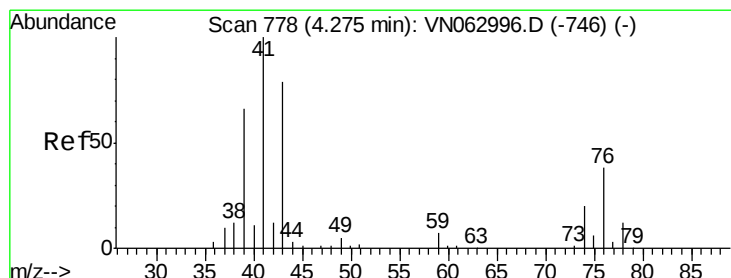
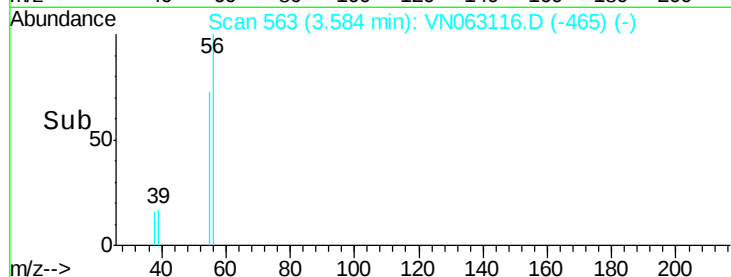
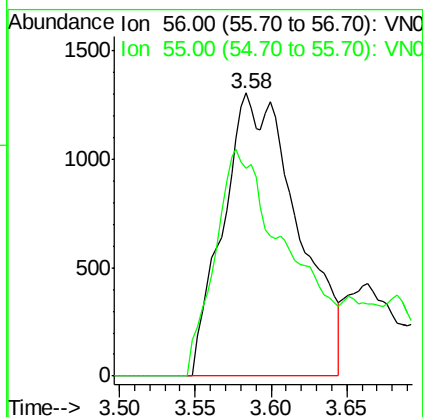
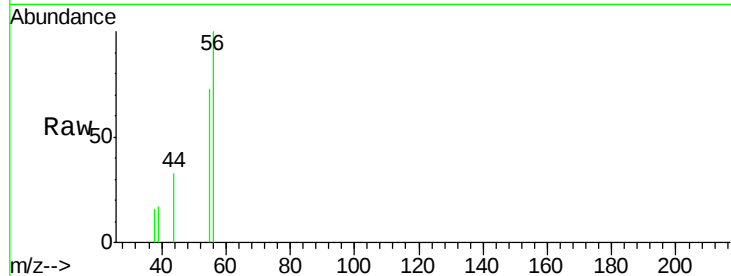
55 80.4 58.4 87.6

Manual Integrations

APPROVED

MMDadoda

8/26/2020 11:26:49 AM



#14

Allyl chloride

Concen: 45.071 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

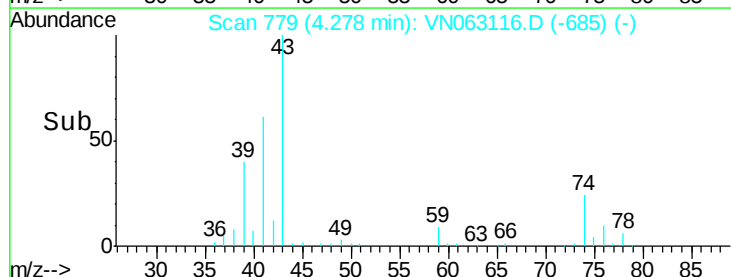
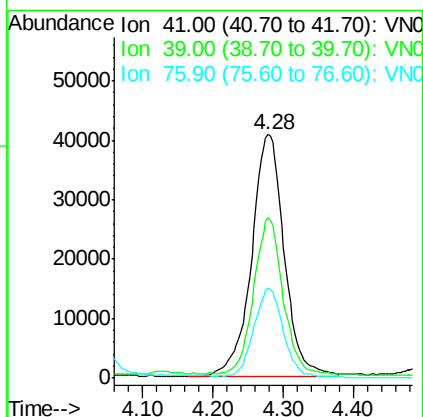
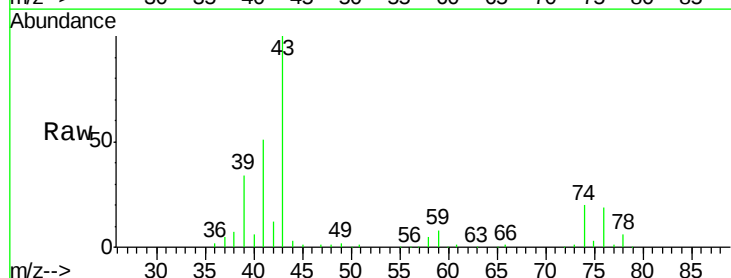
Tgt Ion: 41 Resp: 131386

Ion Ratio Lower Upper

41 100

39 57.9 47.9 71.9

76 32.7 27.0 40.6





#15

Acrylonitrile

Concen: 259.010 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.01 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

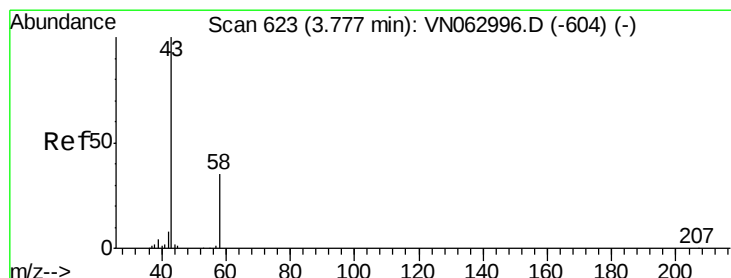
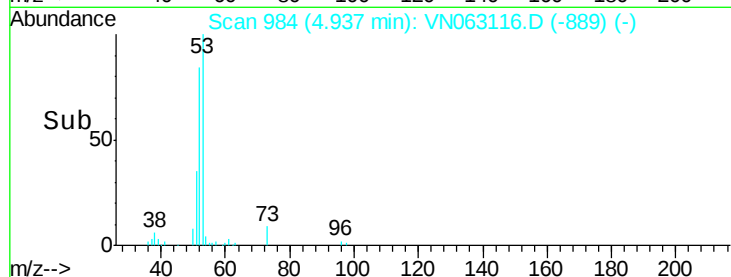
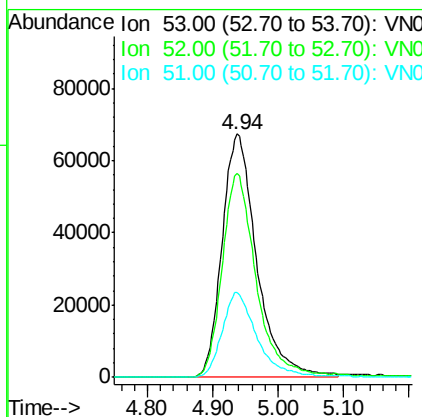
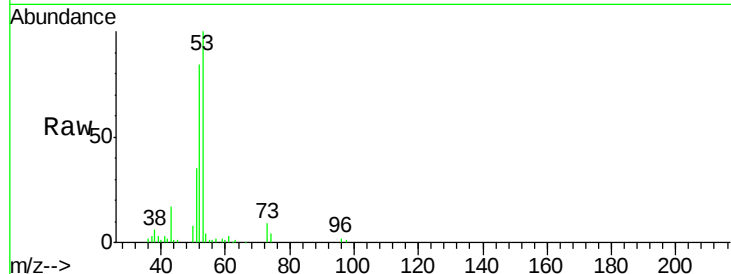
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	248922
Ion Ratio		Lower	Upper
53	100		
52	81.3	65.6	98.4
51	35.1	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
8/26/2020 11:26:49 AM



#16

Acetone

Concen: 328.132 ug/l

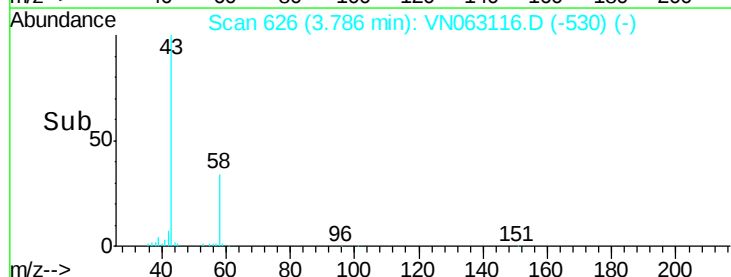
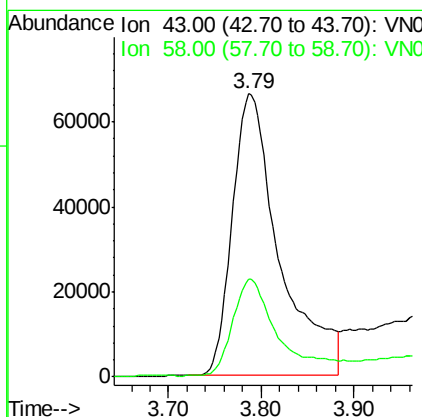
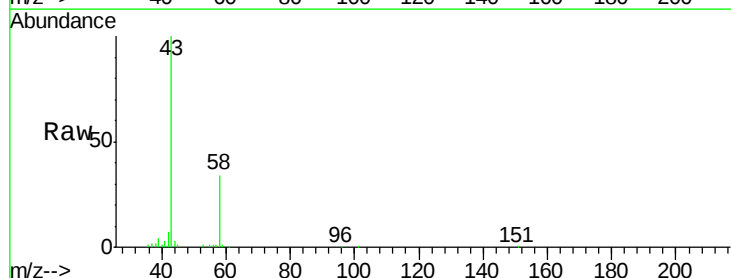
RT: 3.79 min Scan# 626

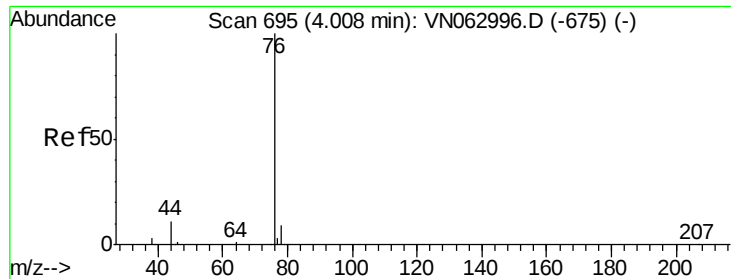
Delta R.T. 0.01 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Tgt Ion:	43	Resp:	235325
Ion Ratio		Lower	Upper
43	100		
58	34.1	27.8	41.6





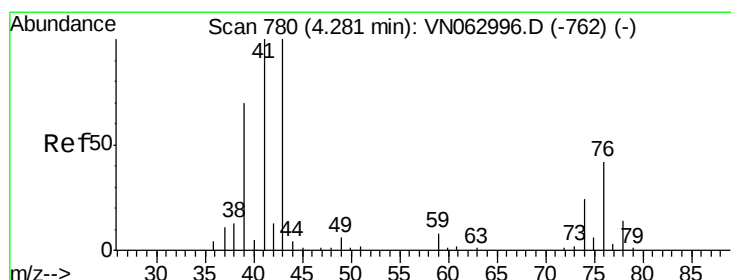
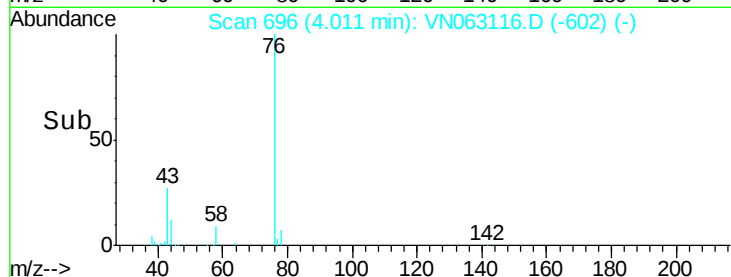
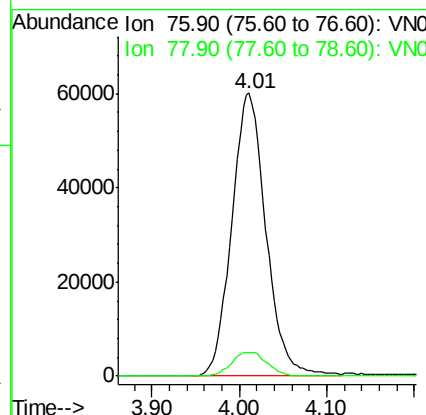
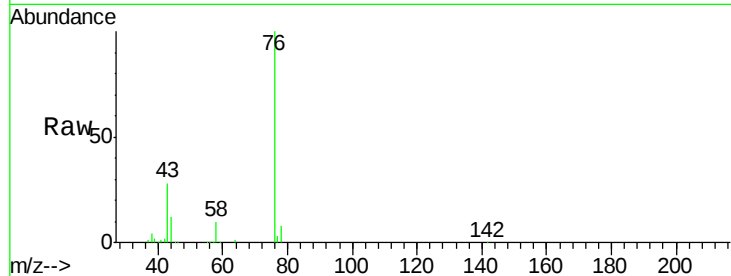
#17
Carbon Disulfide
Concen: 37.686 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.9	10.3

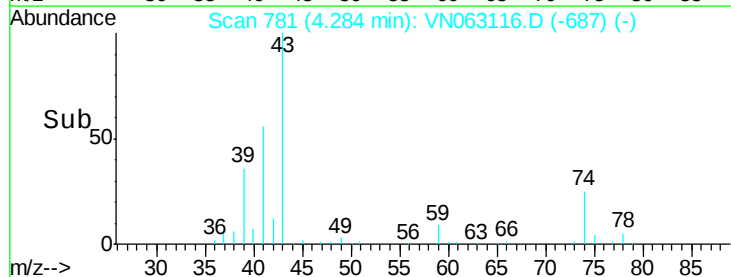
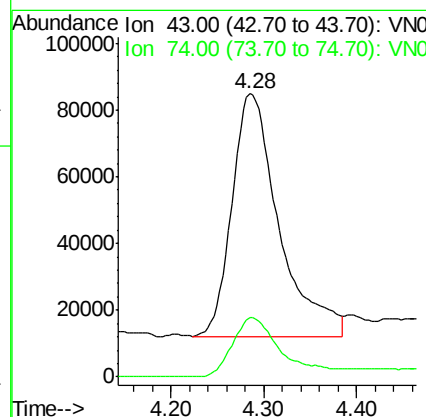
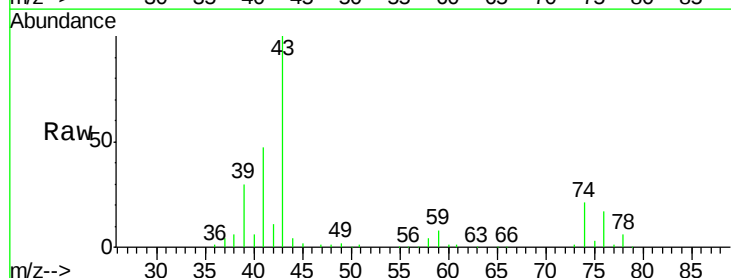
Manual Integrations
APPROVED

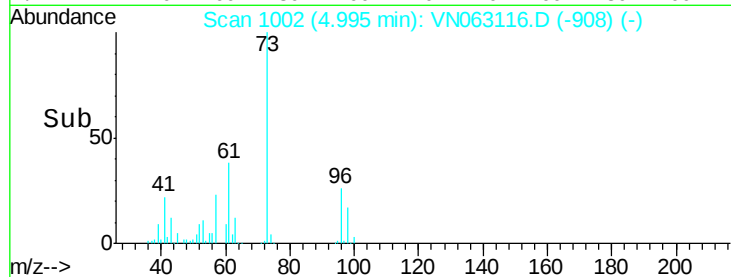
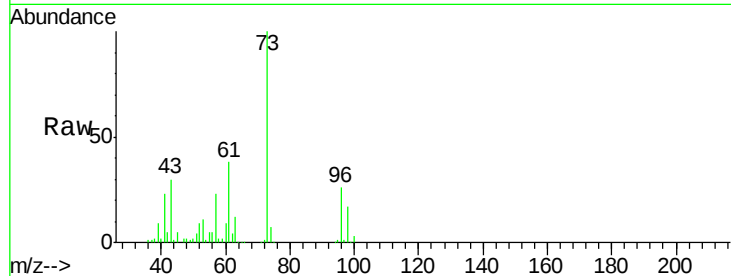
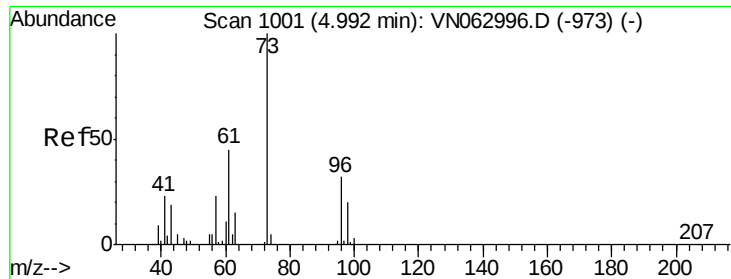
MMDadoda
8/26/2020 11:26:49 AM



#18
Methyl Acetate
Concen: 111.819 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	18.6	28.0





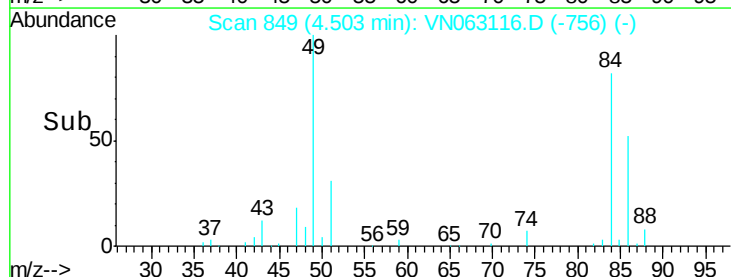
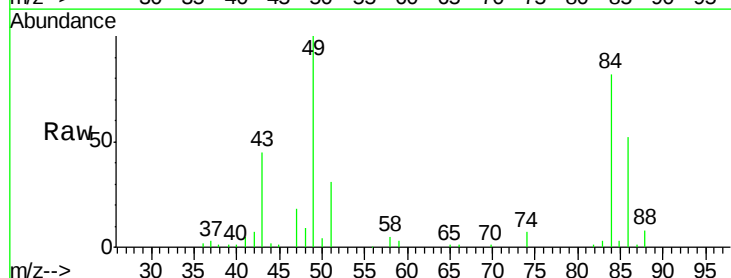
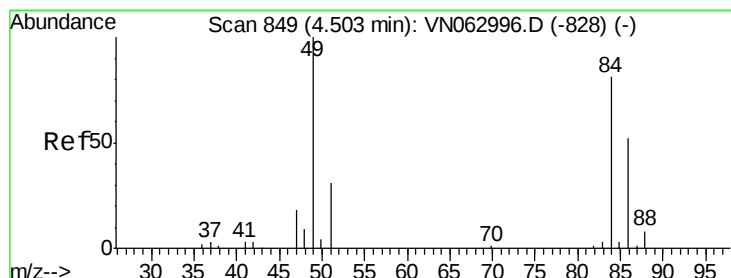
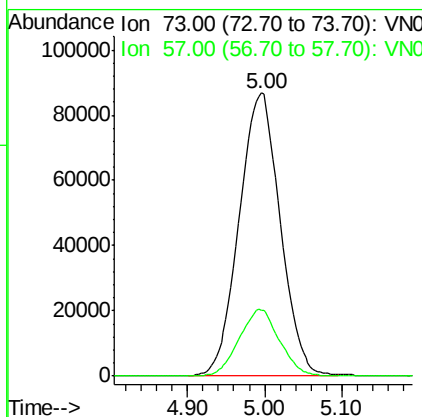
#19
Methvl tert-butvl Ether
Concen: 55.749 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tot Ion: 73 Resp: 321439
Ion Ratio Lower Upper
73 100
57 23.3 18.1 27.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

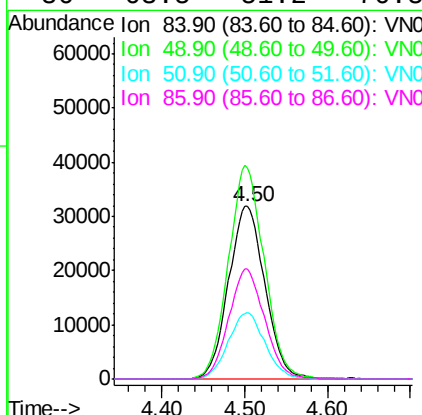
Manual Integrations
APPROVED

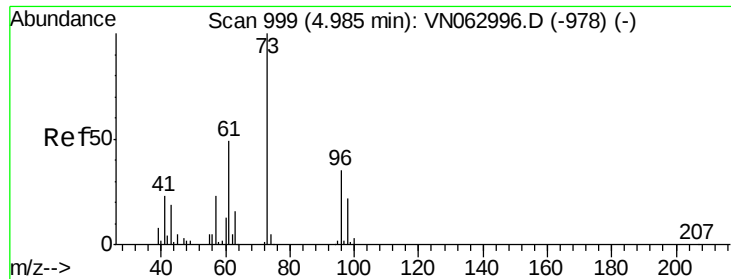
MMDadoda
8/26/2020 11:26:49 AM



#20
Methylene Chloride
Concen: 47.858 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion: 84 Resp: 97519
Ion Ratio Lower Upper
84 100
49 122.6 98.7 148.1
51 38.4 30.8 46.2
86 63.5 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 44.565 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

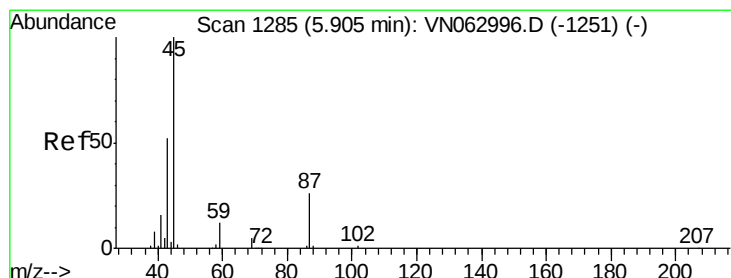
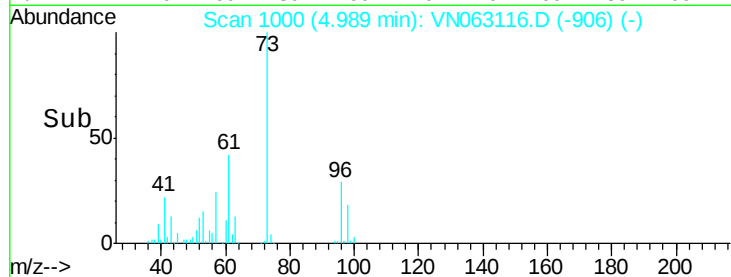
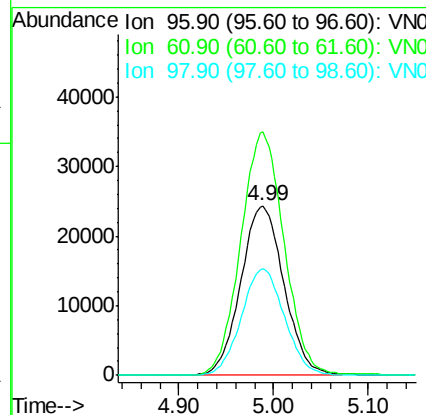
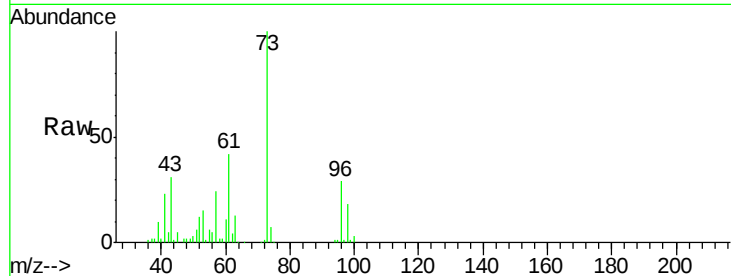
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	77106
Ion	Ratio	Lower	Upper
96	100		
61	143.3	112.5	168.7
98	62.8	49.4	74.0

Manual Integrations
APPROVED

MMDadoda
8/26/2020 11:26:49 AM



#22

Diisopropyl ether

Concen: 52.952 ug/l

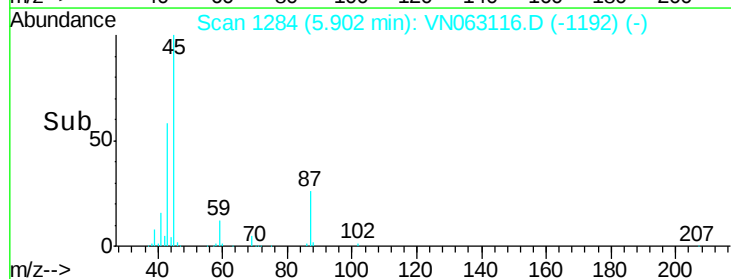
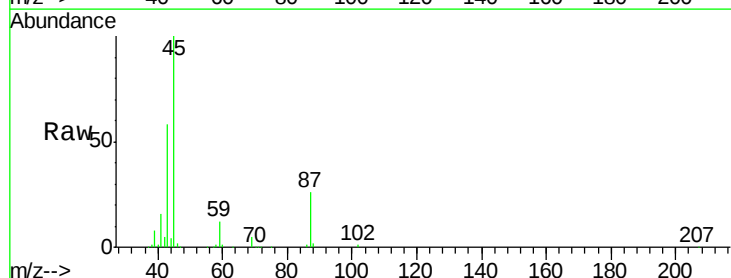
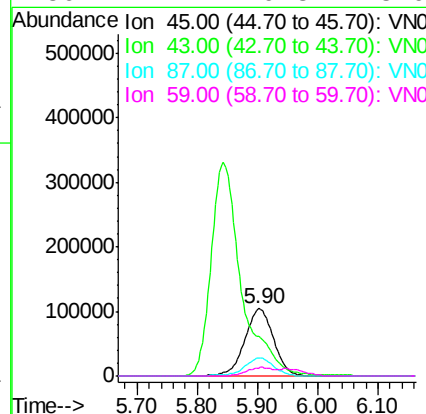
RT: 5.90 min Scan# 1284

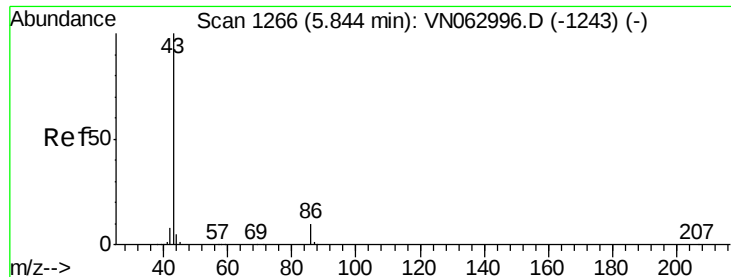
Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Tgt Ion:	45	Resp:	350285
Ion	Ratio	Lower	Upper
45	100		
43	57.4	45.7	68.5
87	26.2	21.8	32.6
59	12.2	9.3	13.9





#23

Vinyl Acetate

Concen: 256.210 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1143707

Ion Ratio Lower Upper

43 100

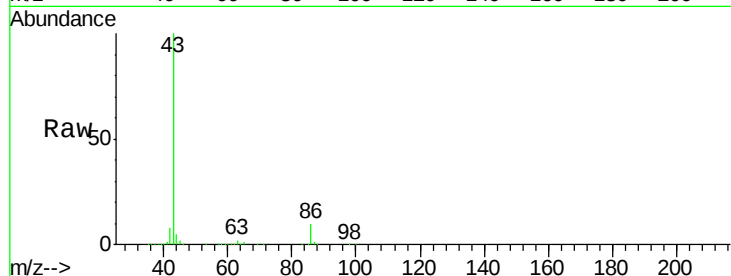
86 10.0 8.0 12.0

Manual Integrations

APPROVED

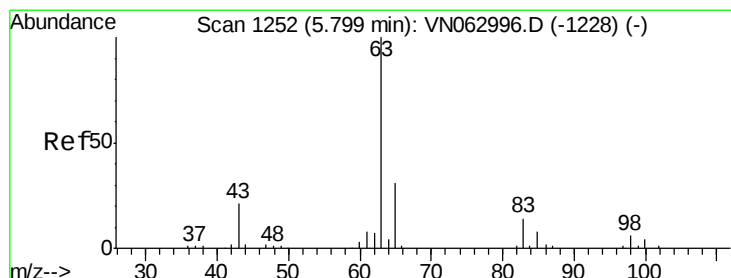
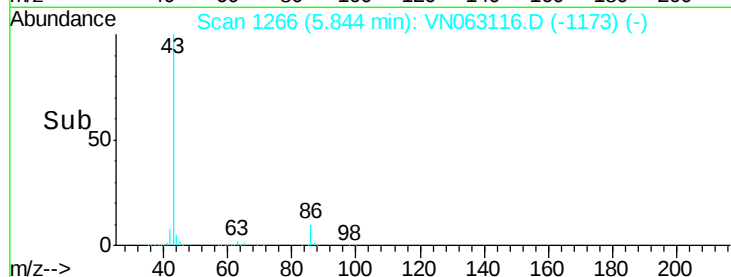
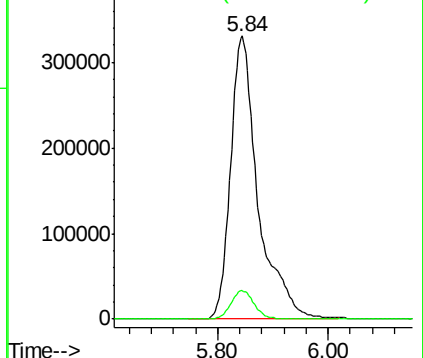
MMDadoda

8/26/2020 11:26:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.243 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

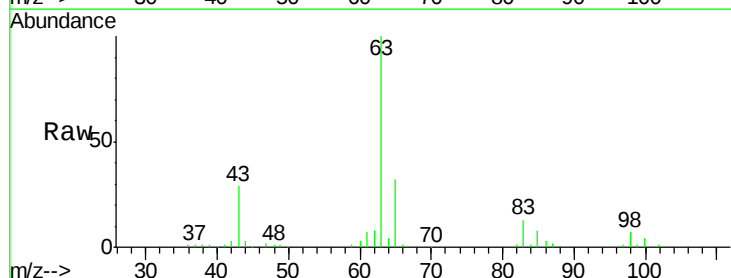
Tgt Ion: 63 Resp: 174638

Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.7

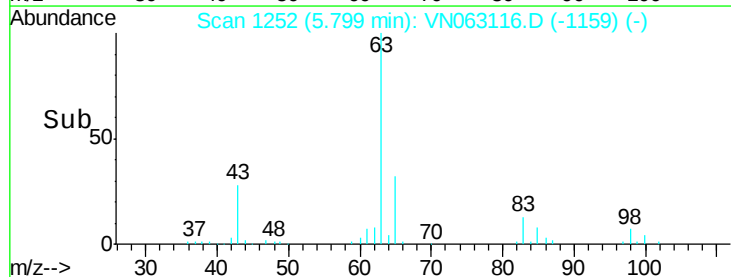
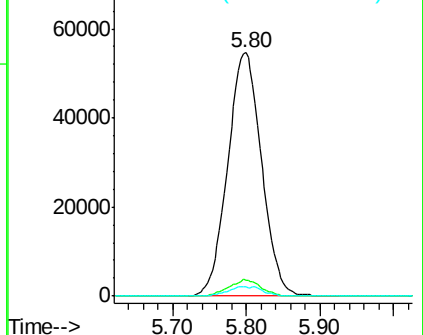
100 3.6 2.0 5.8

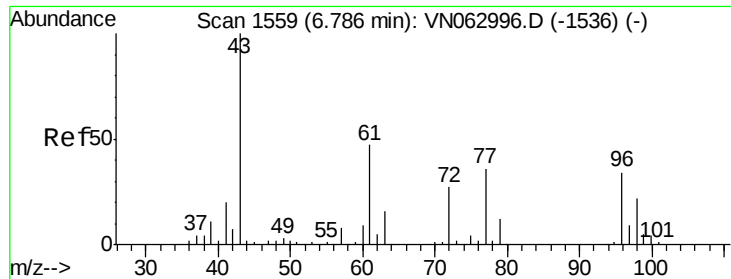


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 260.612 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 319393

Ion Ratio Lower Upper

43 100

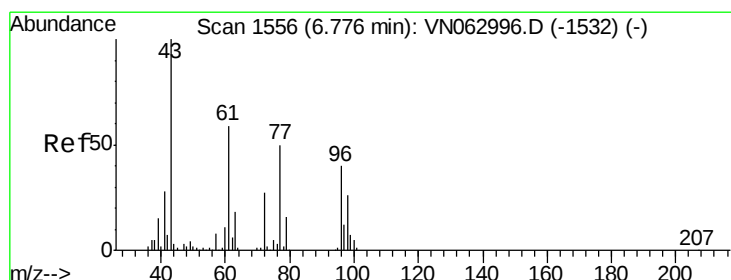
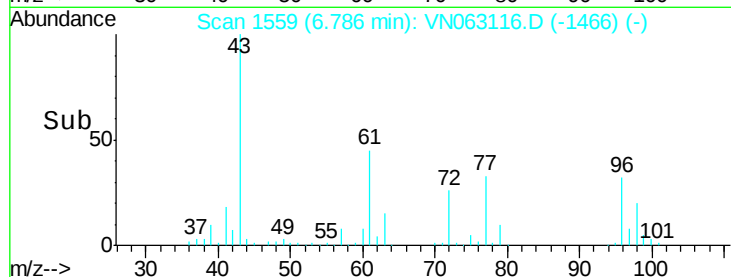
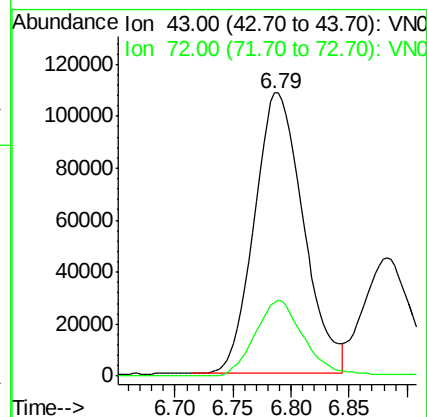
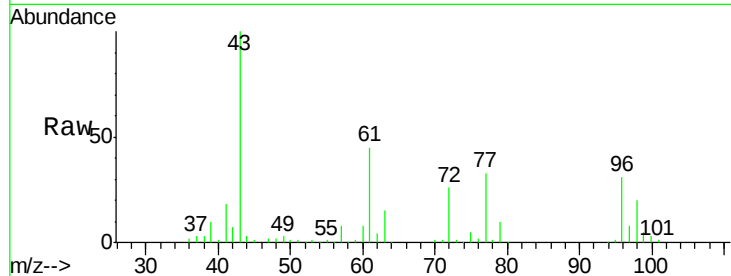
72 26.4 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

8/26/2020 11:26:49 AM



#26

2,2-Dichloropropane

Concen: 45.264 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN063116.D

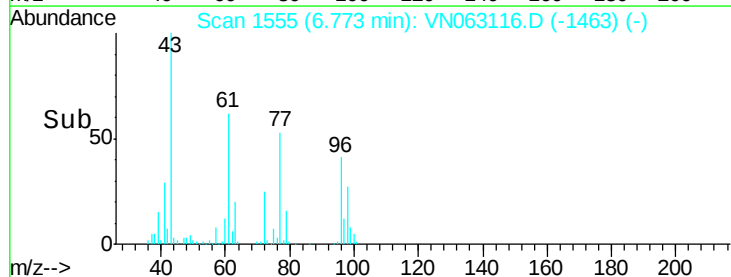
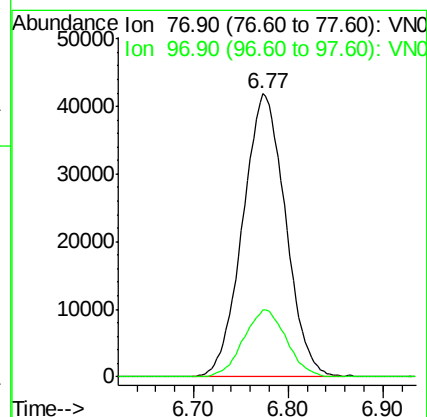
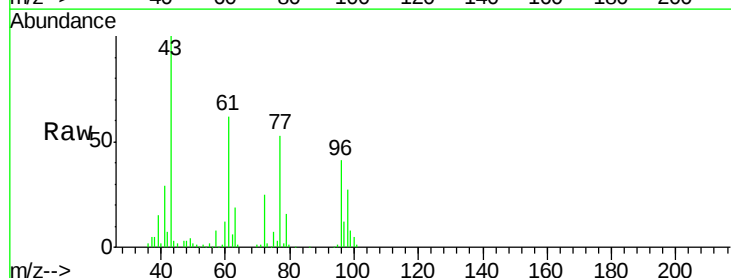
Acq: 25 Aug 2020 16:38

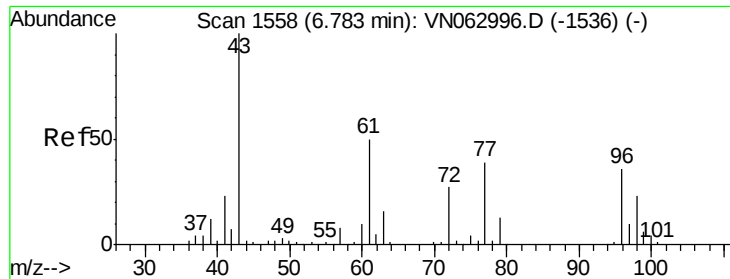
Tgt Ion: 77 Resp: 131587

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 46.601 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

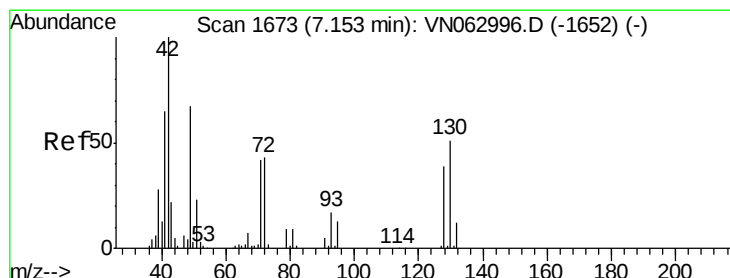
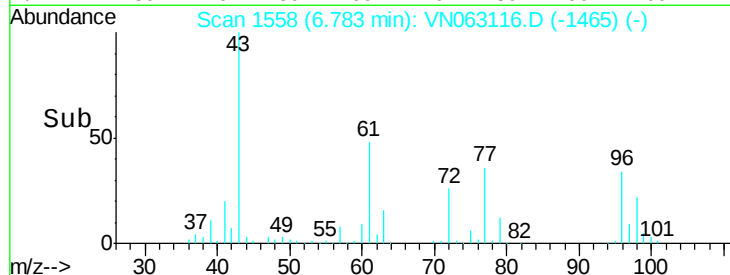
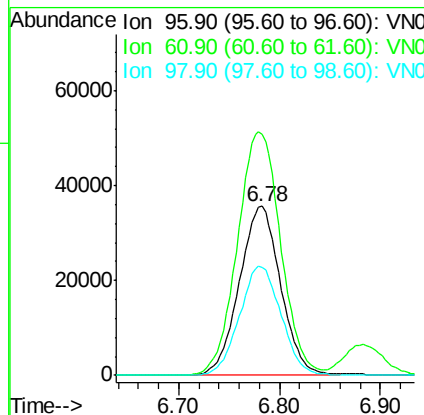
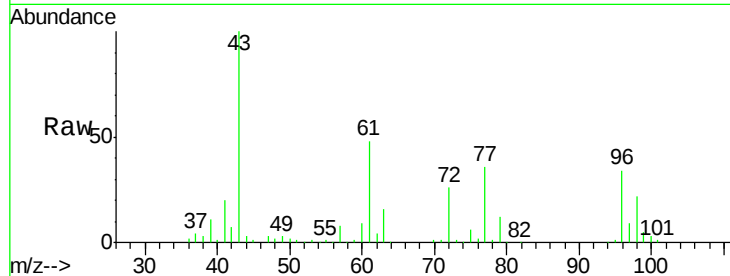
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	101062
Ion Ratio	Lower	Upper	
96	100		
61	150.5	0.0	292.8
98	65.0	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
8/26/2020 11:26:49 AM



#28

Bromochloromethane

Concen: 50.911 ug/l

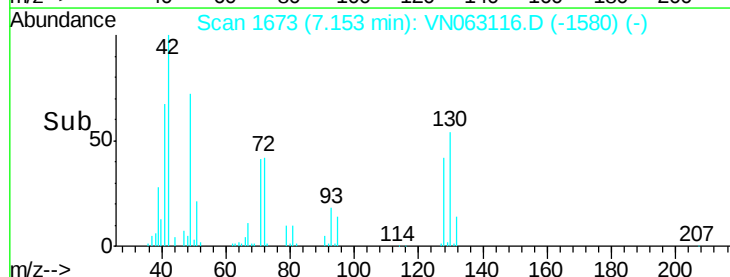
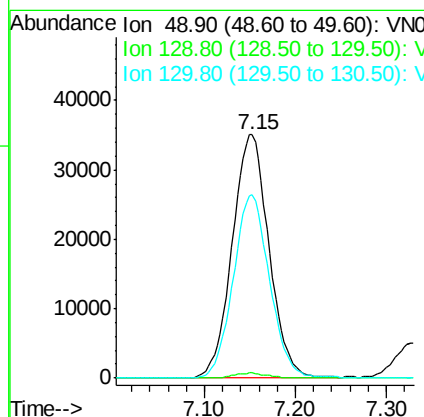
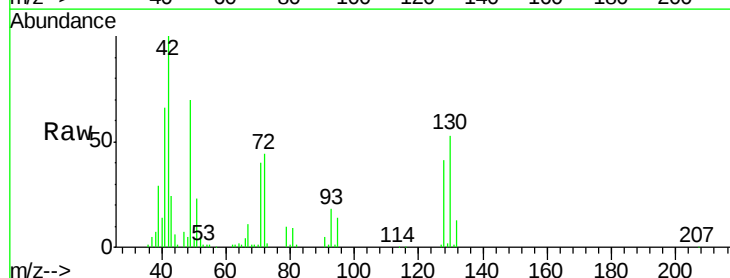
RT: 7.15 min Scan# 1673

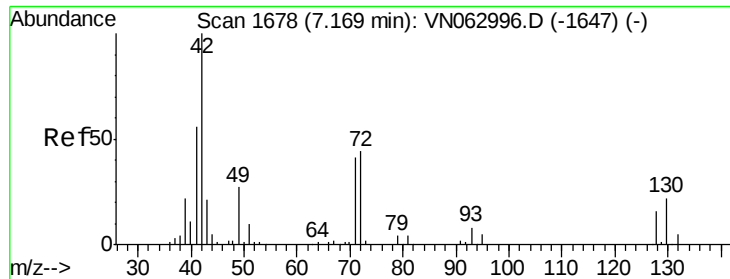
Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Tgt Ion:	49	Resp:	98469
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.6
130	74.5	61.1	91.7





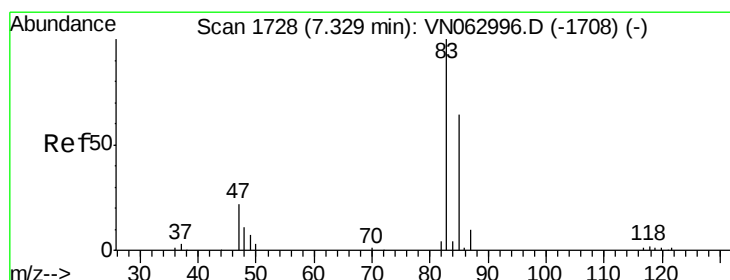
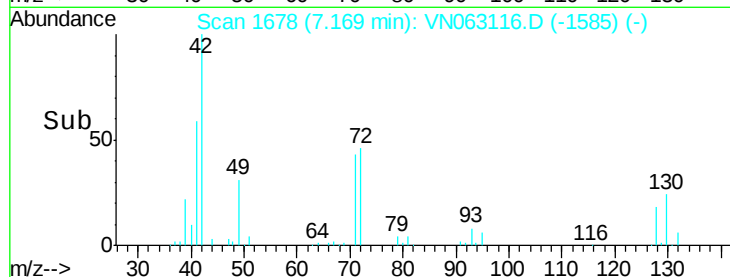
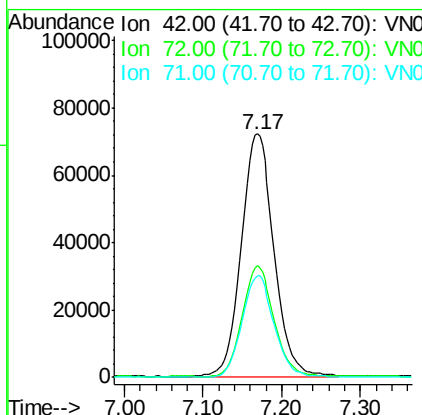
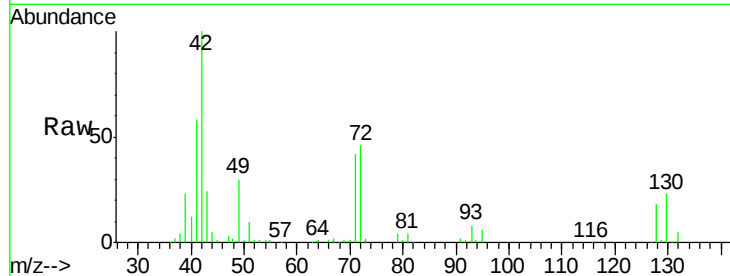
#29
Tetrahydrofuran
Concen: 265.702 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.6	52.0
71	41.3	32.3	48.5

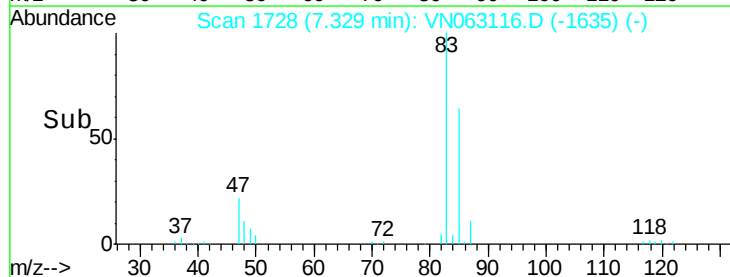
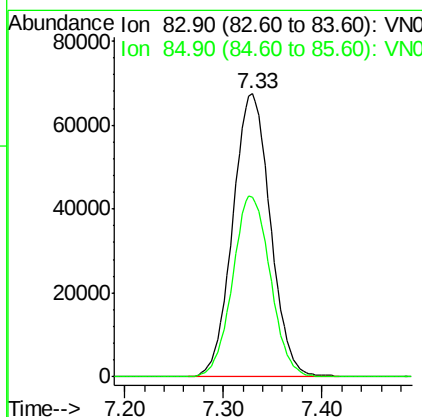
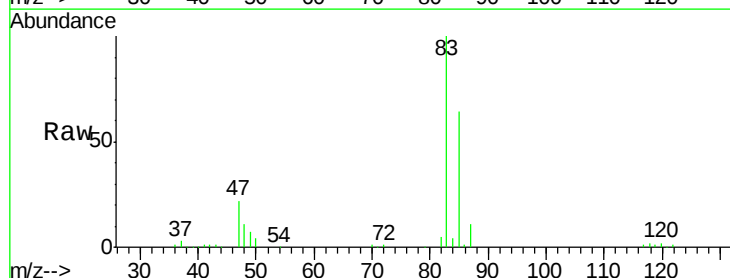
Manual Integrations
APPROVED

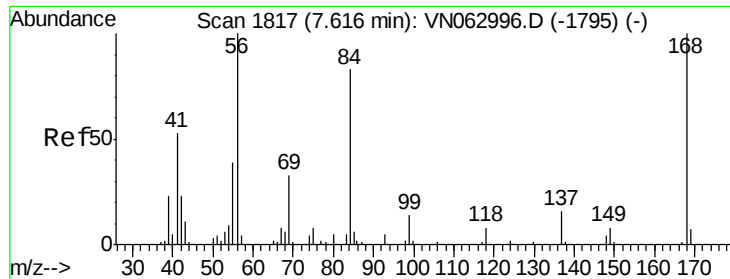
MMDadoda
8/26/2020 11:26:49 AM



#30
Chloroform
Concen: 47.971 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.5	77.3





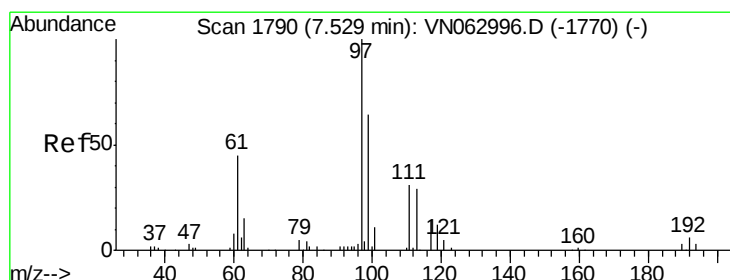
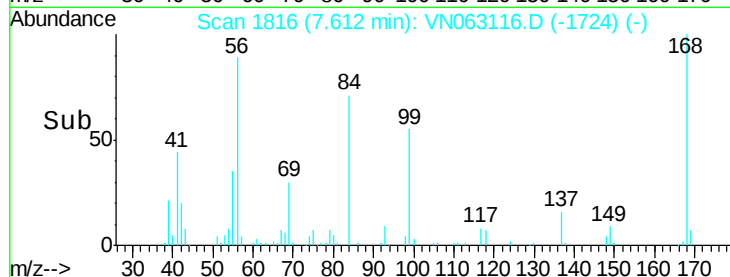
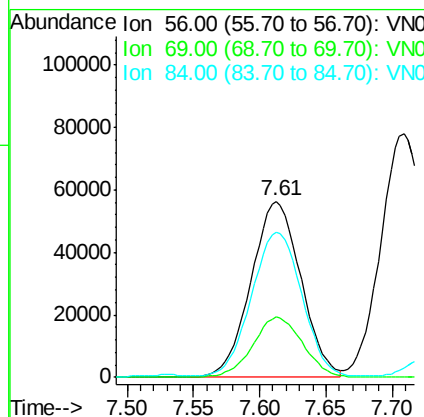
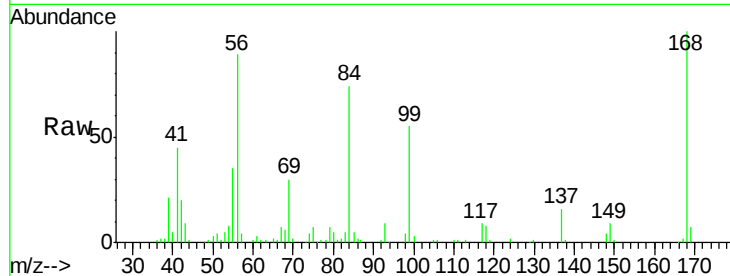
#31
Cyclohexane
Concen: 43.479 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	26.6	40.0
84	81.6	66.4	99.6

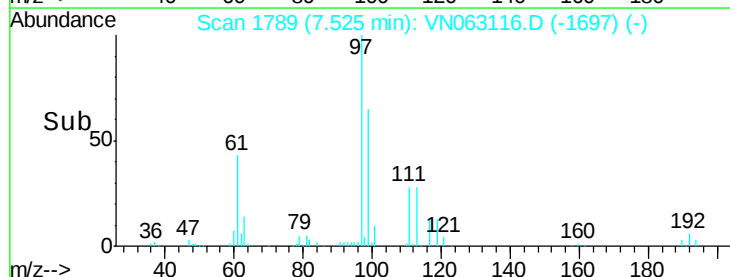
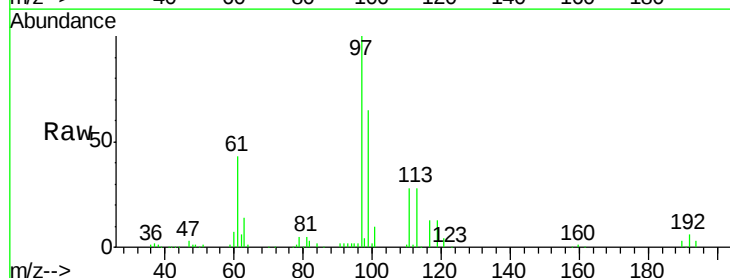
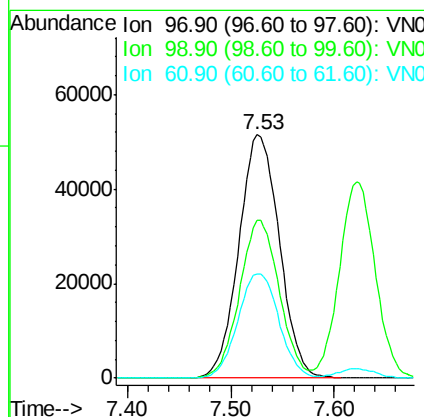
Manual Integrations
APPROVED

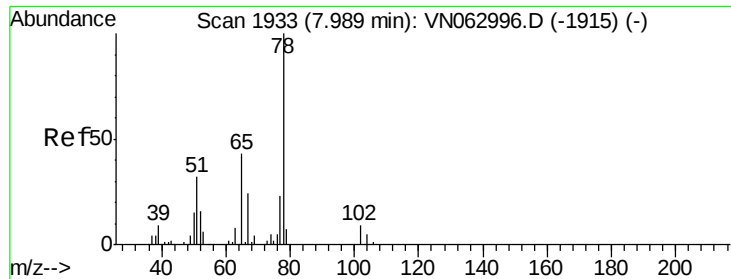
MMDadoda
8/26/2020 11:26:49 AM



#32
1,1,1-Trichloroethane
Concen: 46.286 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.0	78.0
61	43.6	36.2	54.4





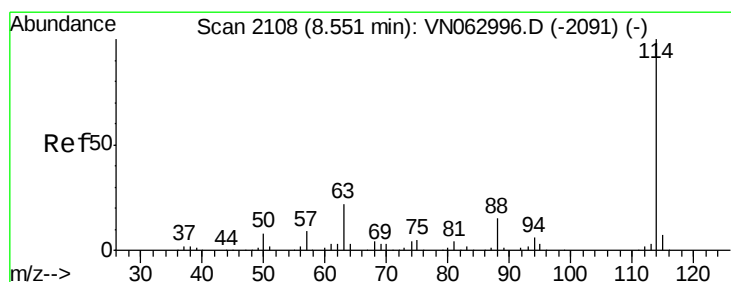
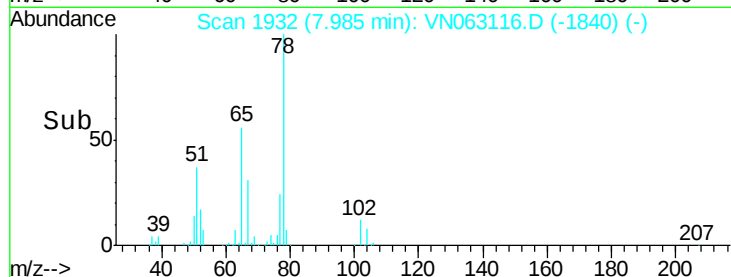
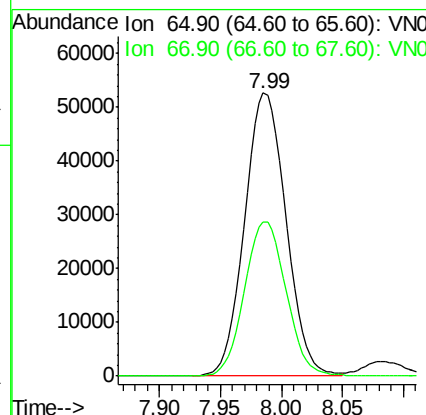
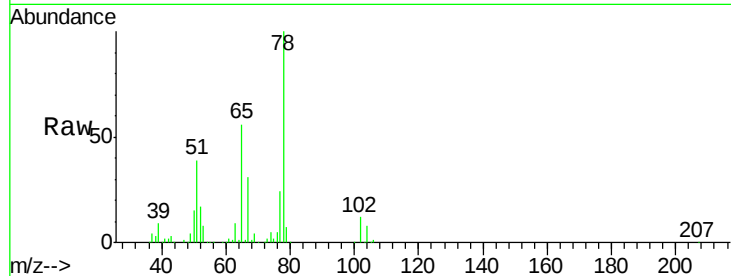
#33
 1,2-Dichloroethane-d4
 Concen: 53.635 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	123812		
67	54.6	0.0	112.0	

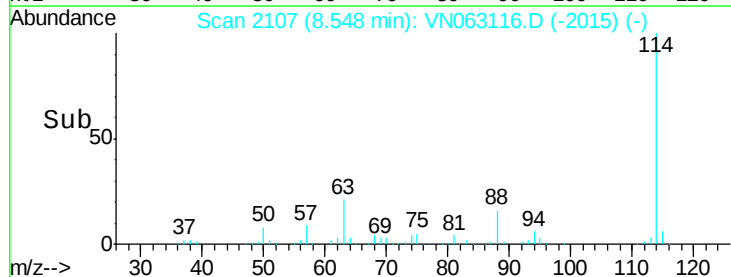
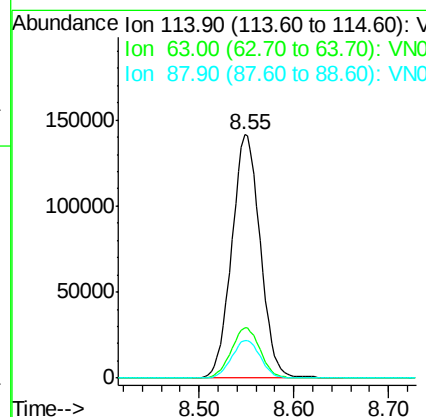
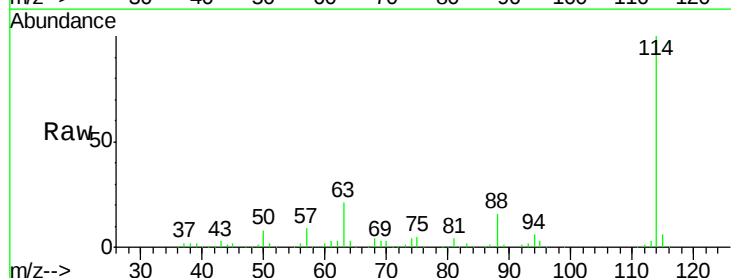
Manual Integrations
 APPROVED

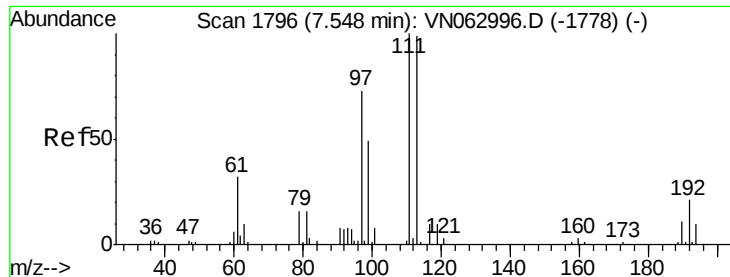
MMDadoda
 8/26/2020 11:26:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	295598		
63	20.7	0.0	43.2	
88	15.6	0.0	30.6	





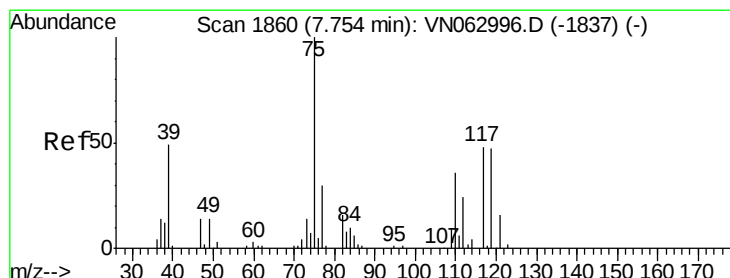
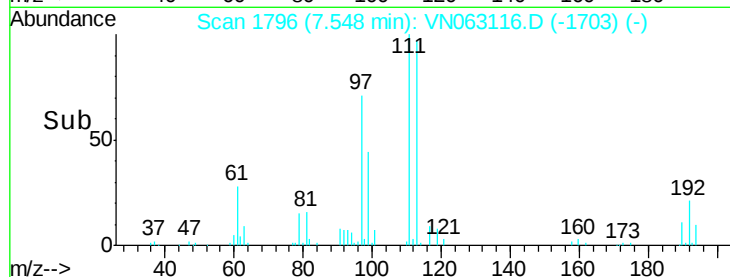
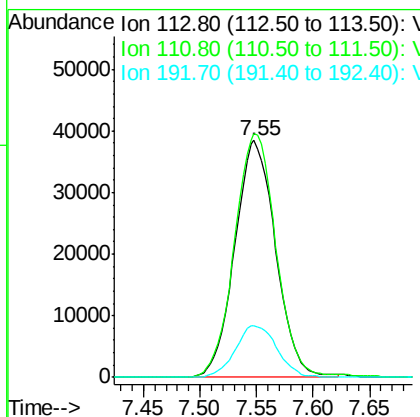
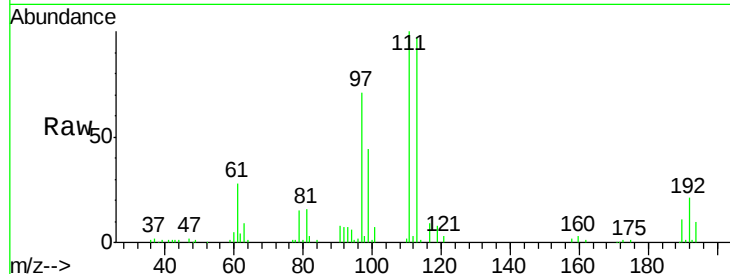
#35
 Dibromofluoromethane
 Concen: 50.132 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.7	122.5
192	22.3	17.5	26.3

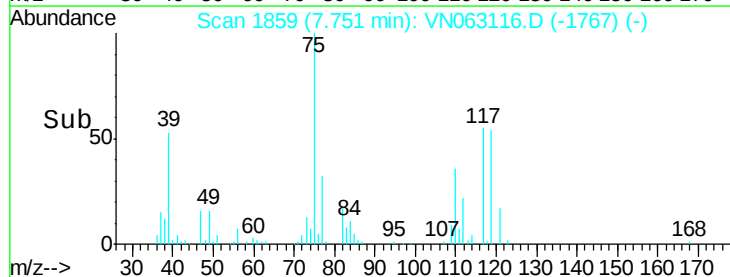
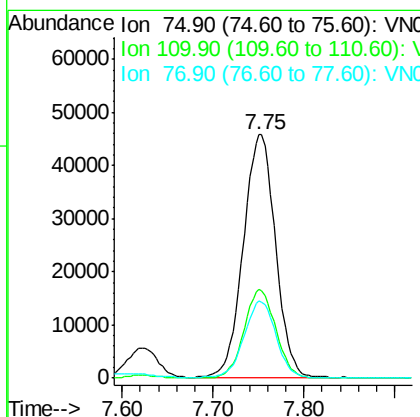
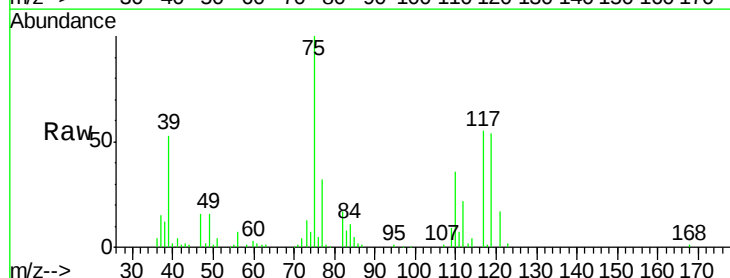
Manual Integrations
 APPROVED

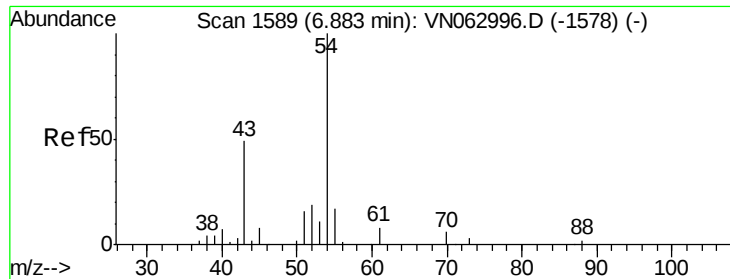
MMDadoda
 8/26/2020 11:26:49 AM



#36
 1,1-Dichloropropene
 Concen: 43.438 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.5	52.6
77	31.6	24.2	36.4





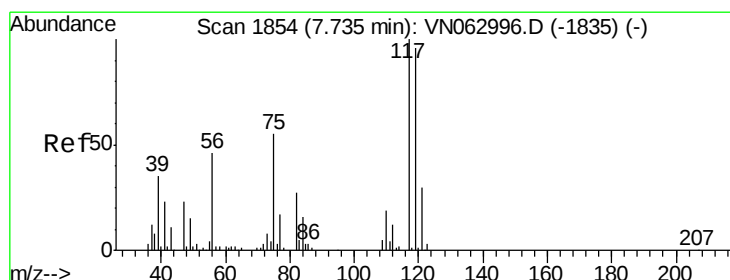
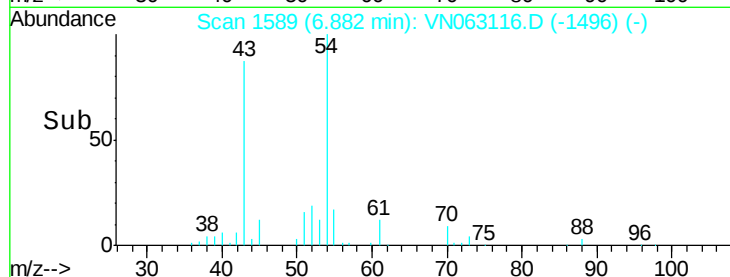
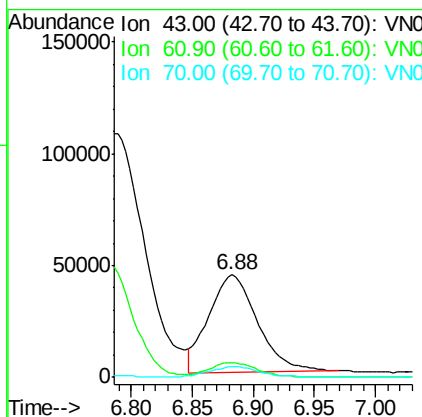
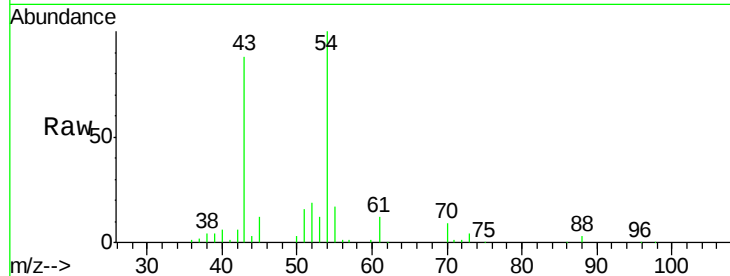
#37
Ethyl Acetate
Concen: 49.960 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	121946
Ion Ratio	Lower	Upper	
43	100		
61	15.1	11.8	17.8
70	11.8	8.2	12.2

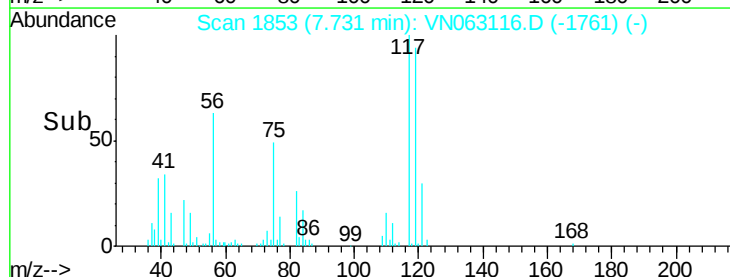
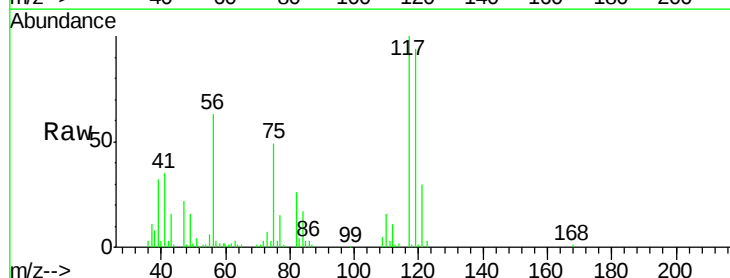
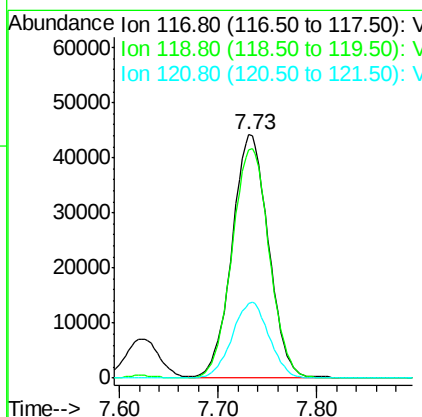
Manual Integrations
APPROVED

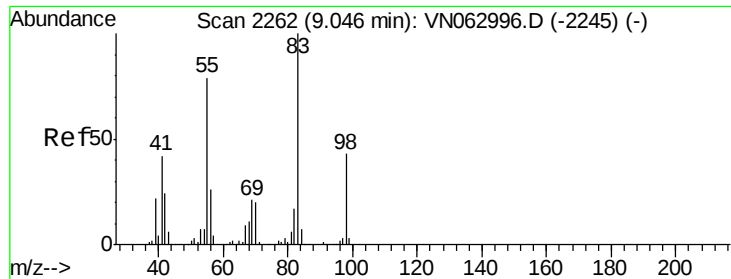
MMDadoda
8/26/2020 11:26:49 AM



#38
Carbon Tetrachloride
Concen: 43.263 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion	117	Resp	113779
Ion Ratio	Lower	Upper	
117	100		
119	93.9	76.2	114.4
121	30.5	24.2	36.2





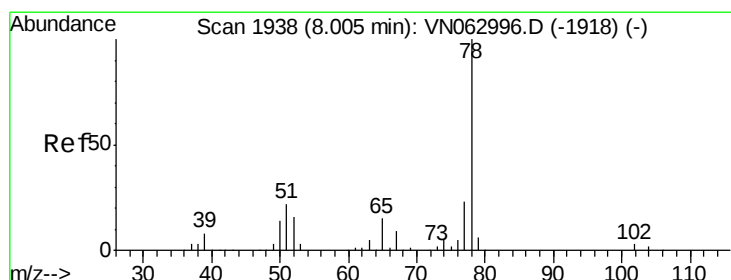
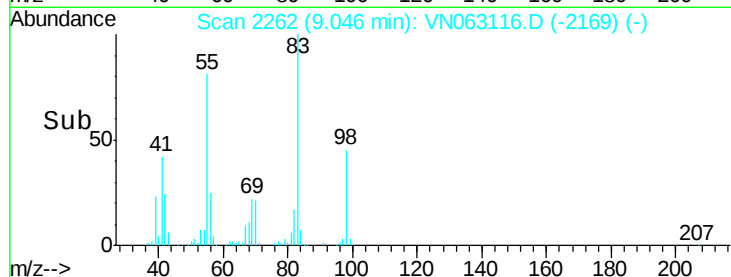
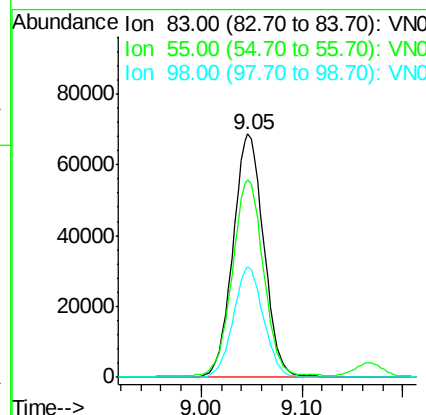
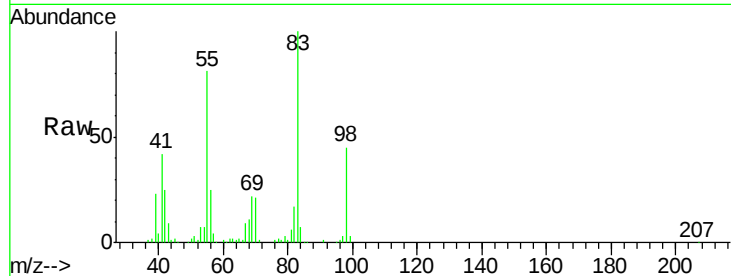
#39
Methvlcvclohexane
Concen: 41.624 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.4	63.3	94.9	
98	45.3	34.2	51.4	

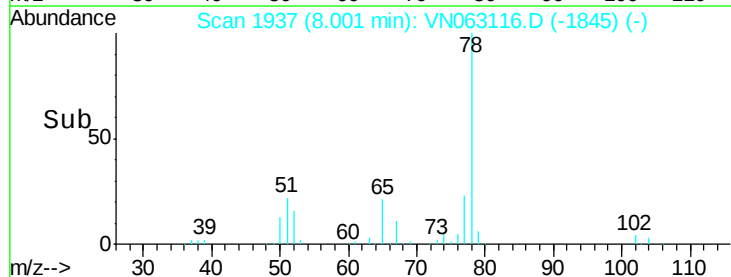
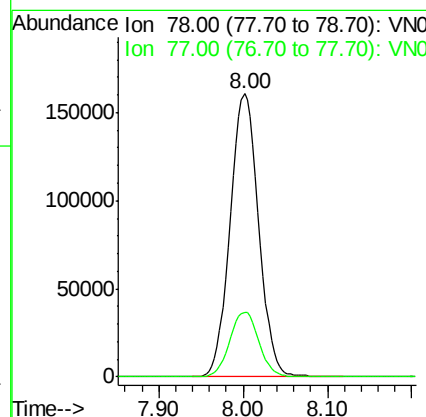
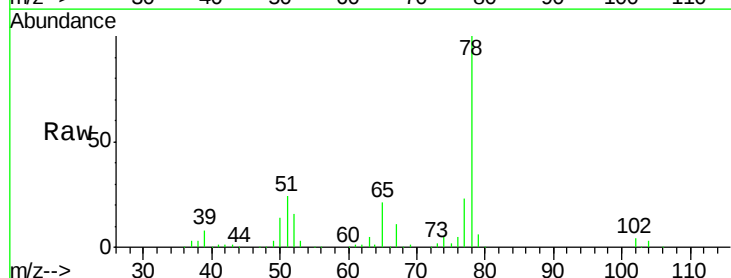
Manual Integrations
APPROVED

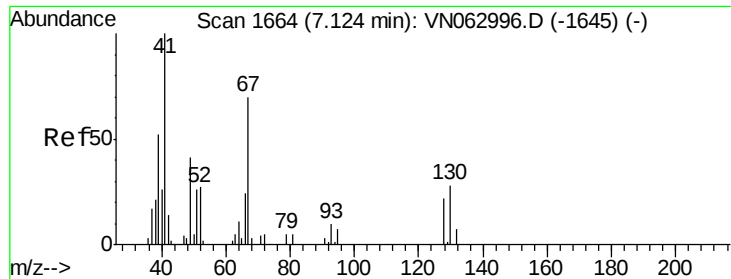
MMDadoda
8/26/2020 11:26:49 AM



#40
Benzene
Concen: 45.818 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.9	18.8	28.2	





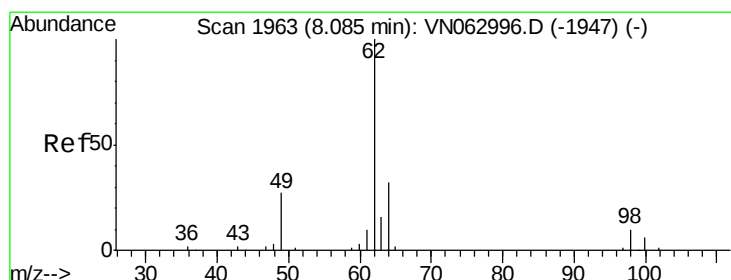
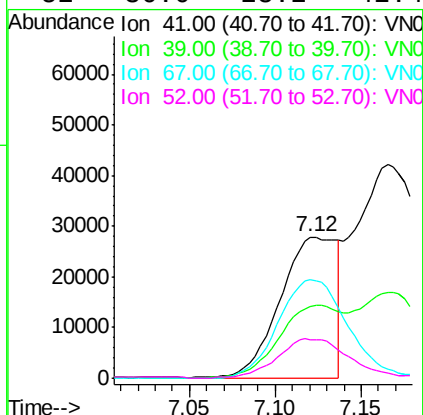
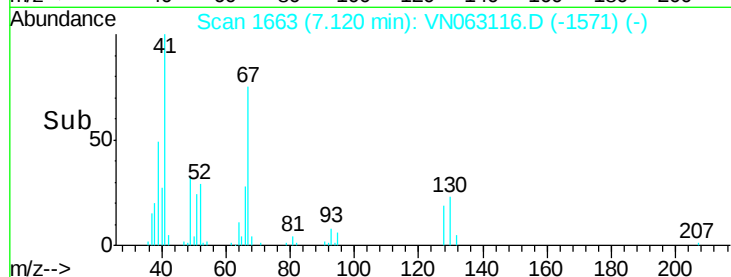
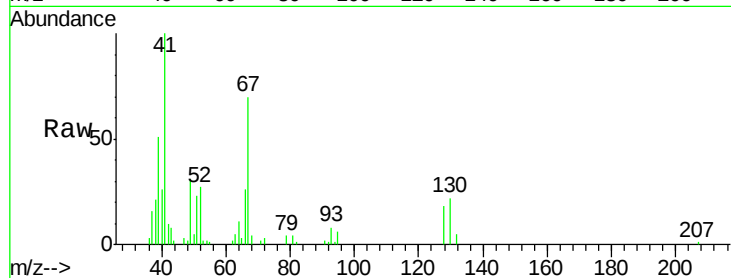
#41
Methacrylonitrile
Concen: 54.894 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	63840
Ion	Ratio	Lower	Upper
41	100		
39	56.3	41.6	62.4
67	86.8	71.8	107.8
52	36.0	28.2	42.4

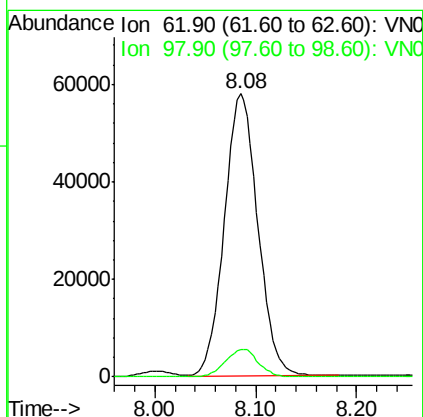
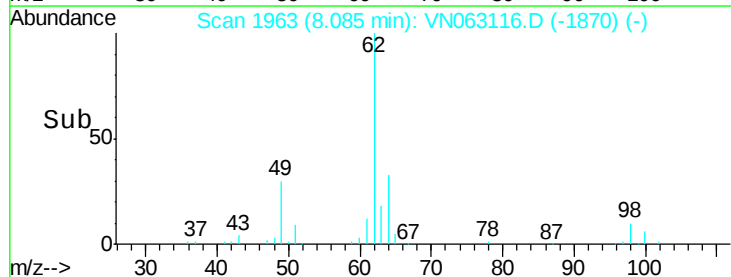
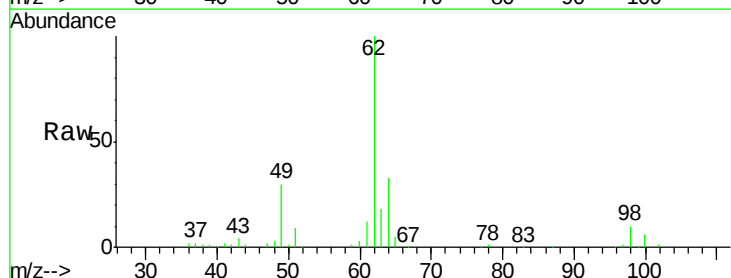
Manual Integrations
APPROVED

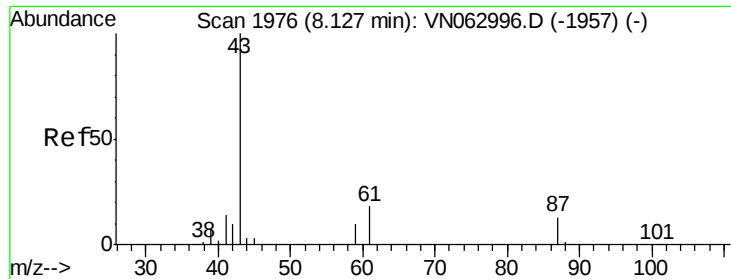
MMDadoda
8/26/2020 11:26:49 AM



#42
1,2-Dichloroethane
Concen: 48.308 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion	62	Resp	134016
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4





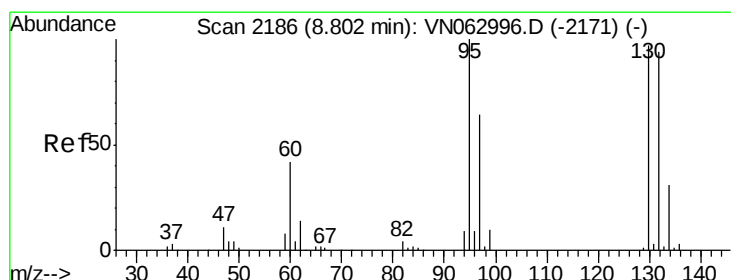
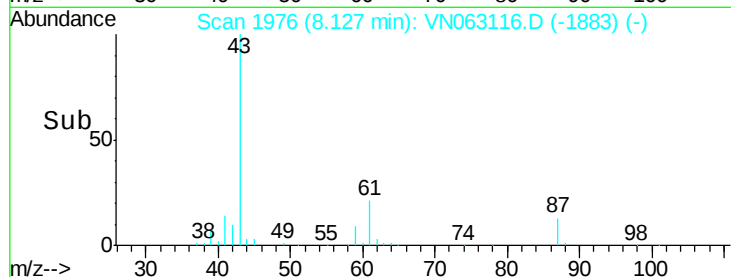
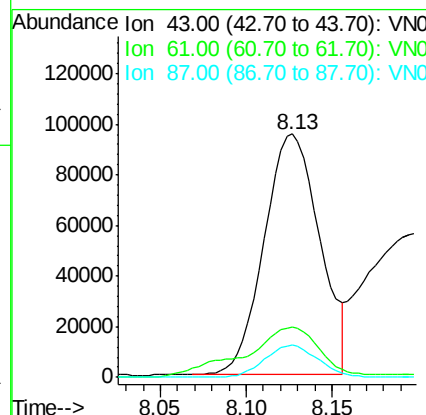
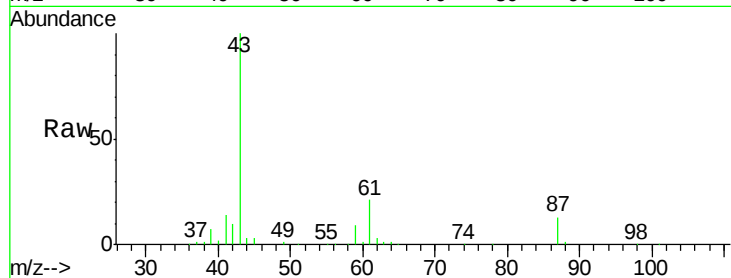
#43
Isopropyl Acetate
Concen: 52.813 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.5	22.6	33.8
87	12.9	10.5	15.7

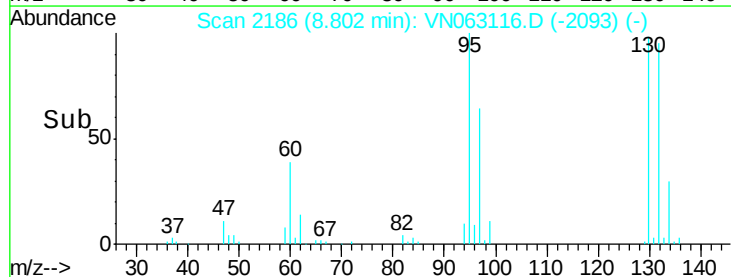
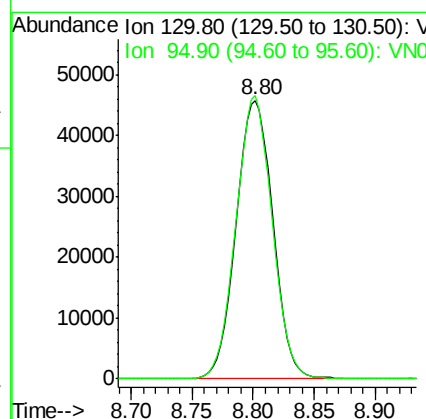
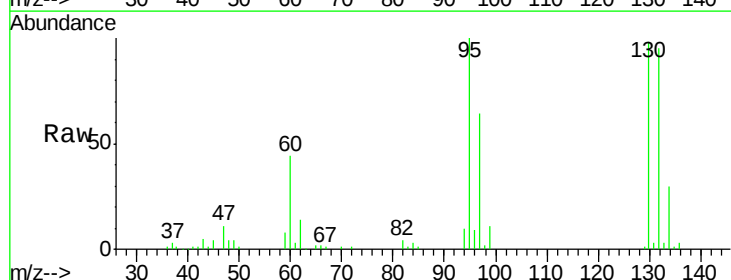
Manual Integrations
APPROVED

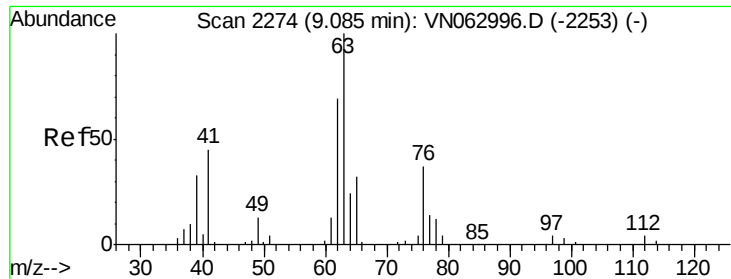
MMDadoda
8/26/2020 11:26:49 AM



#44
Trichloroethene
Concen: 46.705 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	205.6





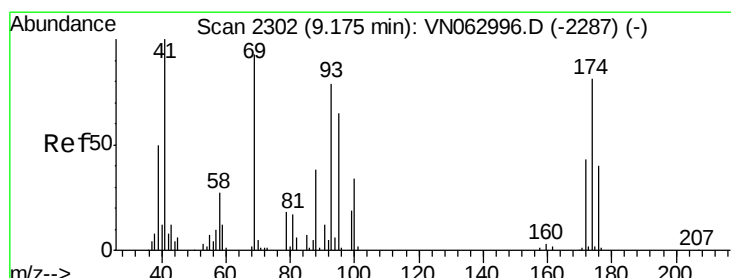
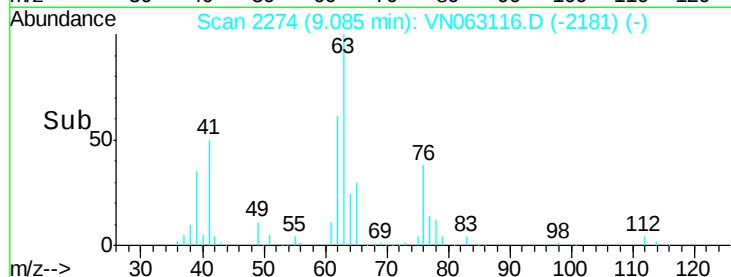
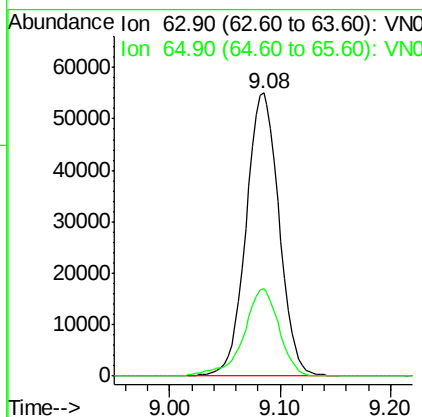
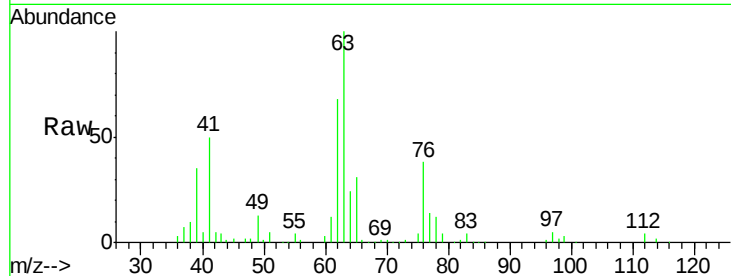
#45
 1,2-Dichloropropane
 Concen: 47.717 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.6	38.4

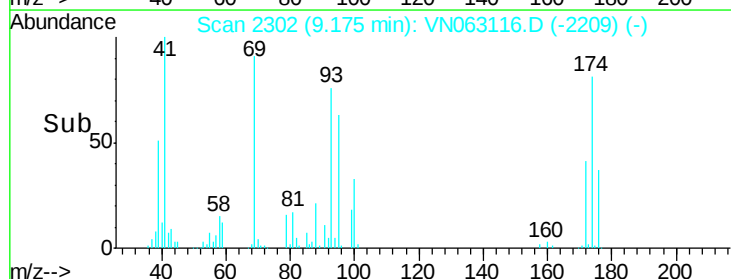
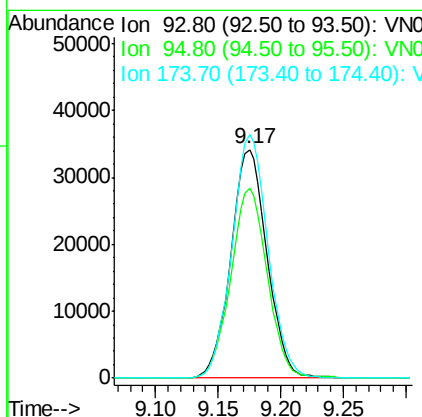
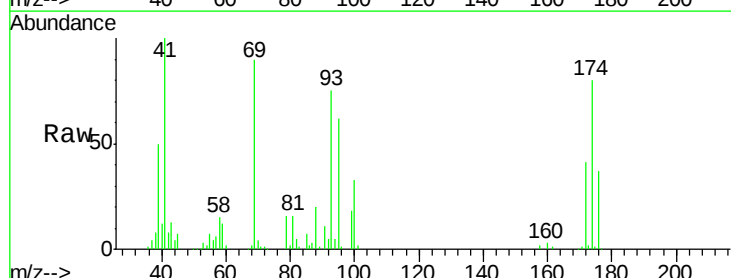
Manual Integrations
 APPROVED

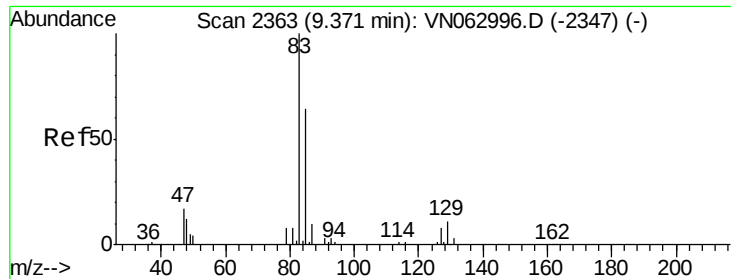
MMDadoda
 8/26/2020 11:26:49 AM



#46
 Dibromomethane
 Concen: 49.605 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.2	99.4
174	106.1	84.6	127.0





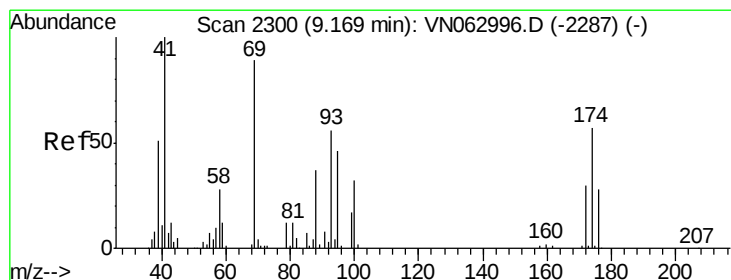
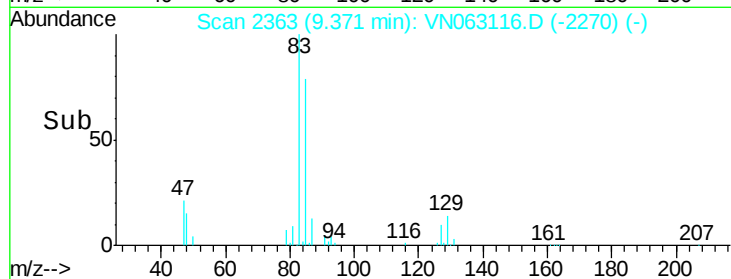
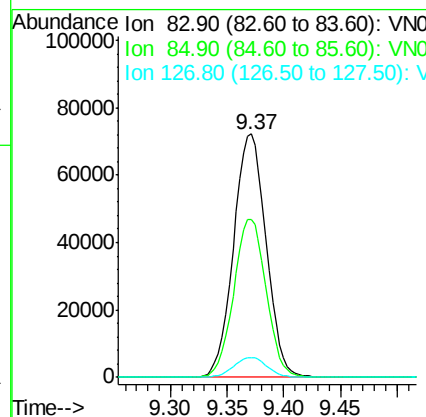
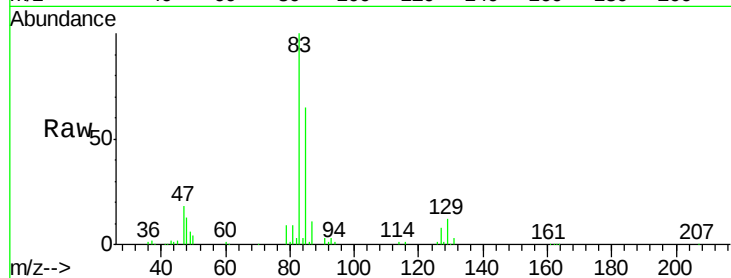
#47
Bromodichloromethane
Concen: 47.892 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	144718
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	51.1	76.7
127	8.2	6.6	9.8

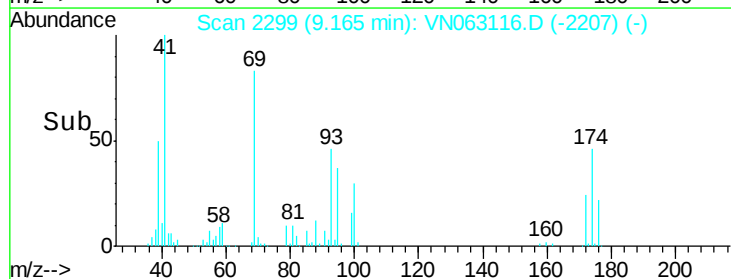
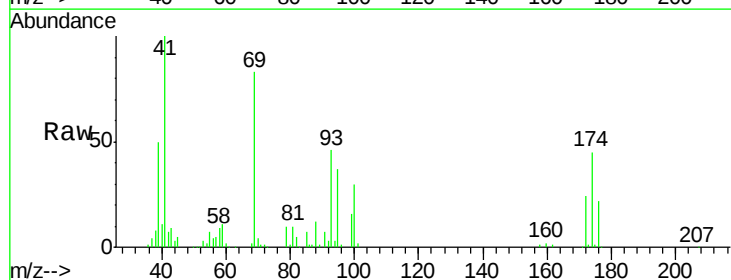
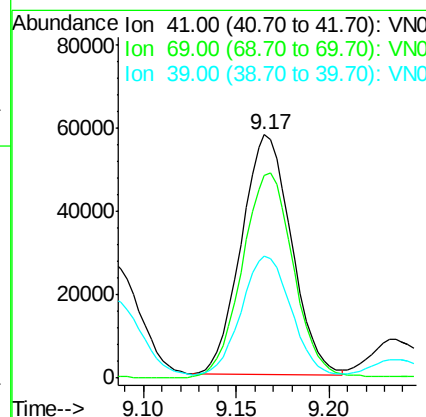
Manual Integrations
APPROVED

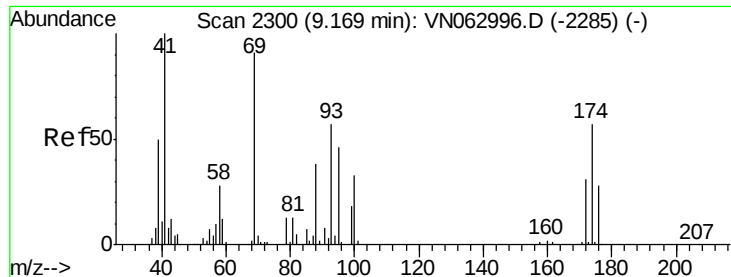
MMDadoda
8/26/2020 11:26:49 AM



#48
Methyl methacrylate
Concen: 56.129 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion	41	Resp	107392
Ion Ratio	100	Lower	Upper
41	100		
69	88.6	74.2	111.4
39	51.8	42.5	63.7





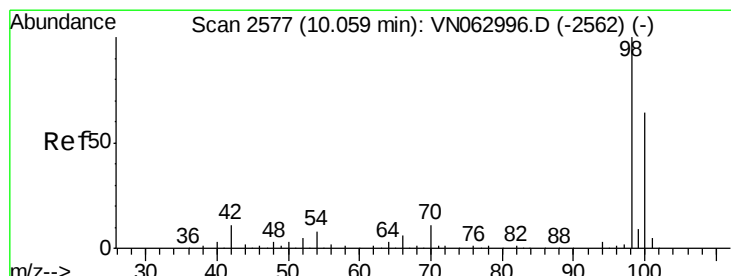
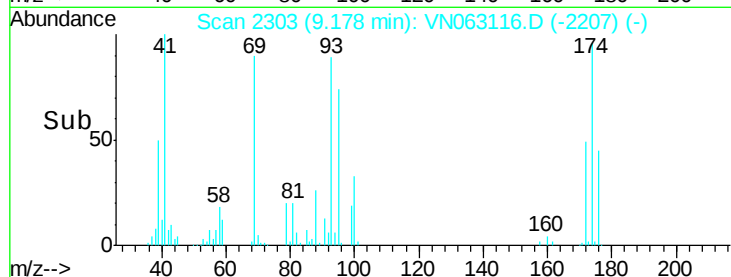
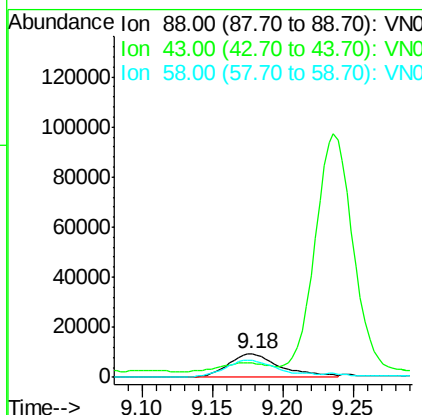
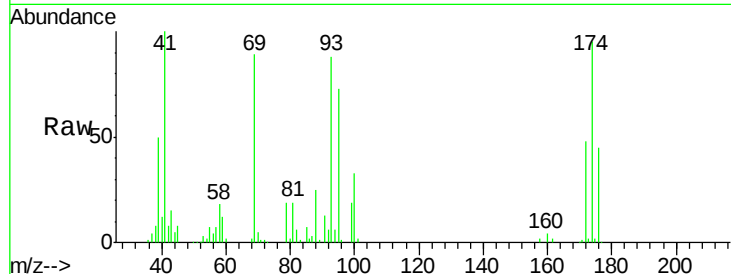
#49
1,4-Dioxane
Concen: 586.985 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.01 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	24444
Ion	Ratio	Lower	Upper
88	100		
43	30.0	25.2	37.8
58	76.2	56.7	85.1

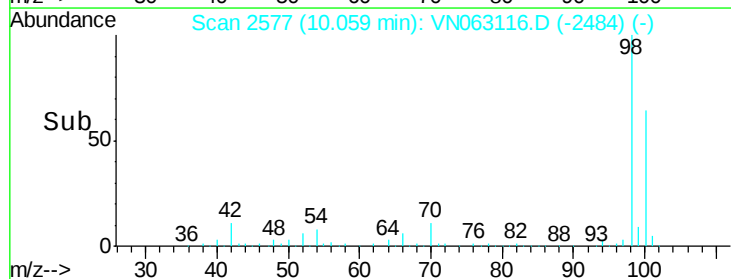
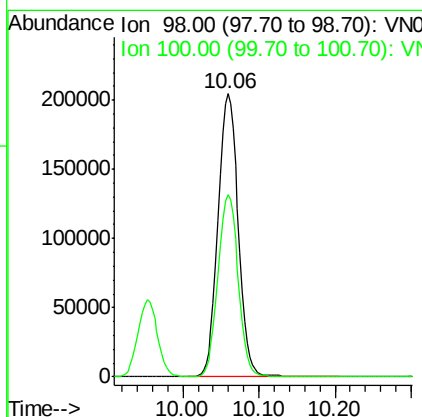
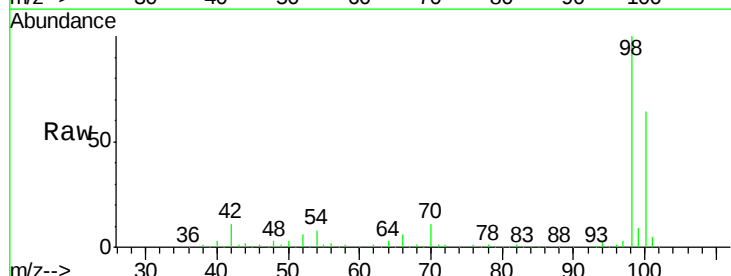
Manual Integrations
APPROVED

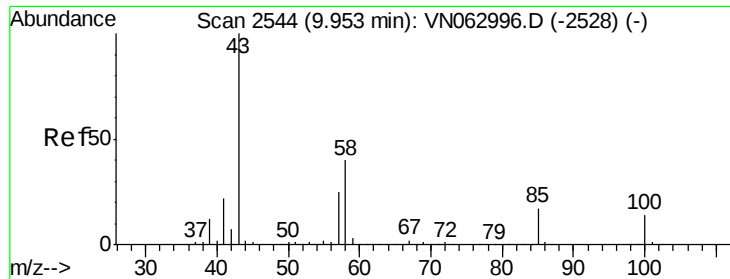
MMDadoda
8/26/2020 11:26:49 AM



#50
Toluene-d8
Concen: 51.196 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion	98	Resp	378760
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 273.760 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 699738

Ion Ratio Lower Upper

43 100

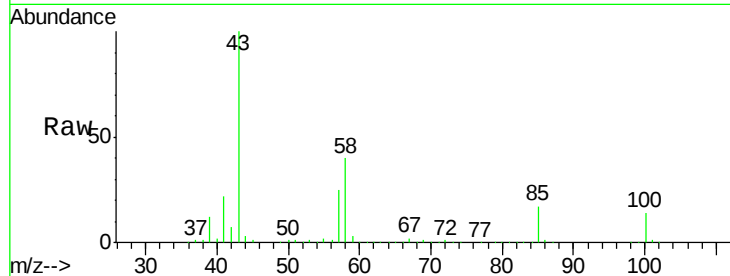
58 40.2 32.2 48.2

Manual Integrations

APPROVED

MMDadoda

8/26/2020 11:26:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VN063116.D (-2451) (-)

Ion 58.00 (57.70 to 58.70): VN063116.D (-2451) (-)

9.95

400000

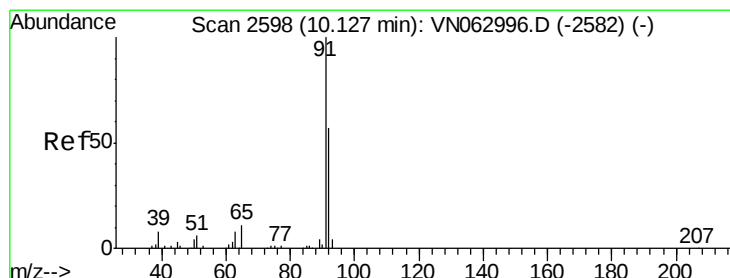
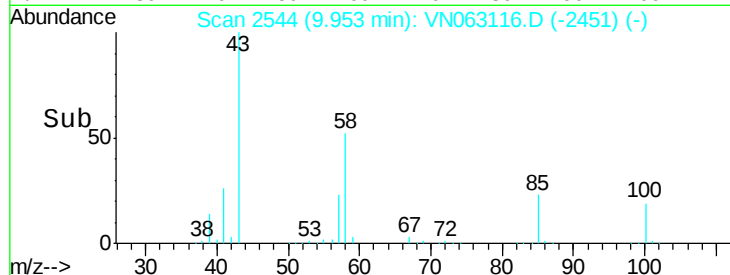
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.475 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063116.D

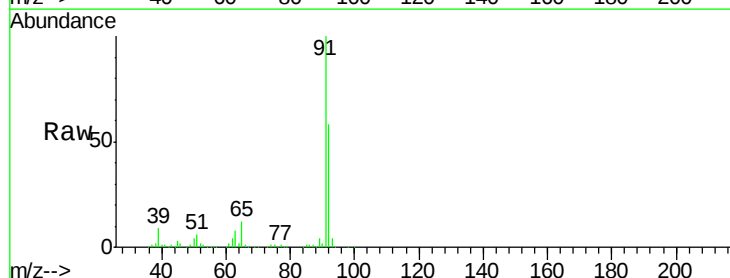
Acq: 25 Aug 2020 16:38

Tgt Ion: 92 Resp: 236615

Ion Ratio Lower Upper

92 100

91 174.5 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN063116.D (-2505) (-)

Ion 91.00 (90.70 to 91.70): VN063116.D (-2505) (-)

10.12

250000

200000

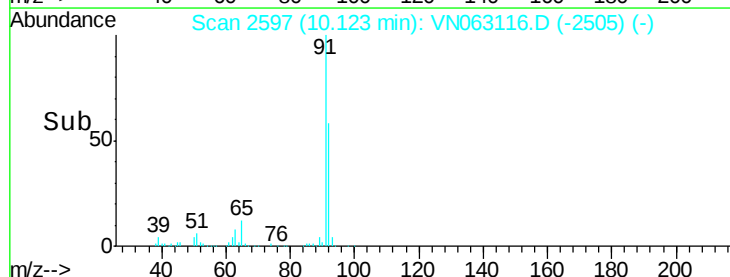
150000

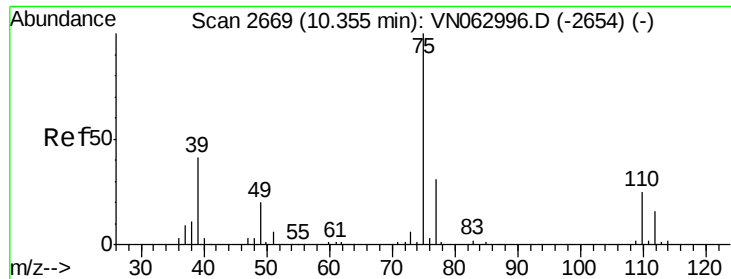
100000

50000

0

Time-->





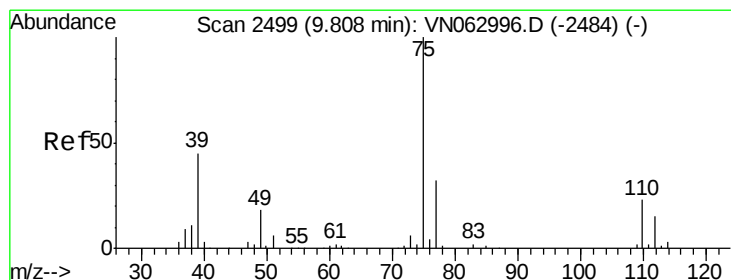
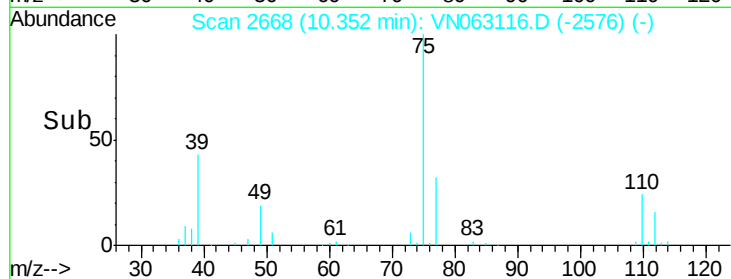
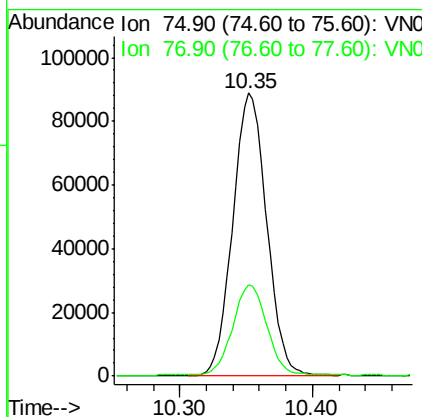
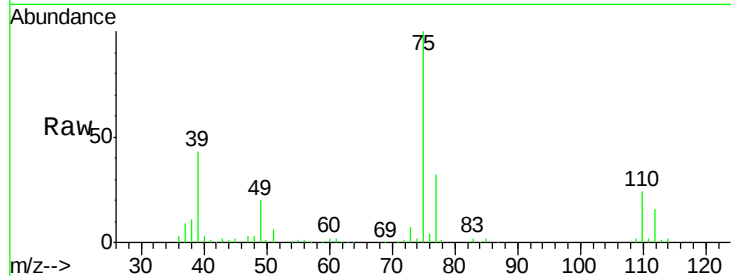
#53
t-1,3-Dichloropropene
Concen: 50.588 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 158081
Ion Ratio Lower Upper
75 100
77 31.8 24.6 37.0

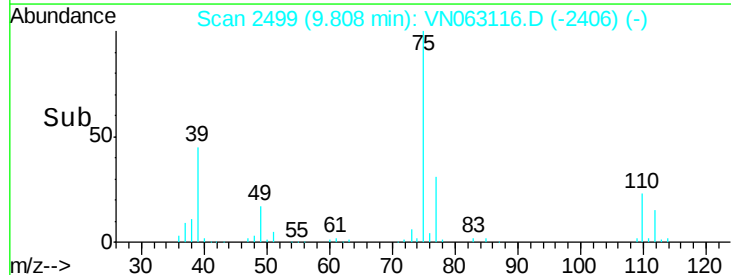
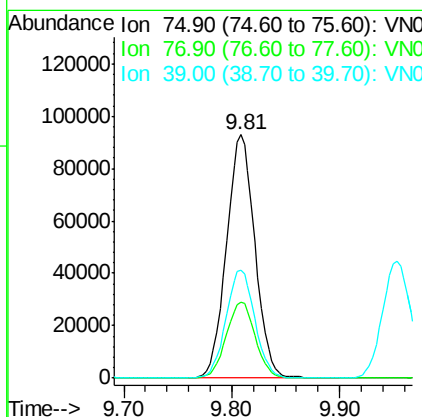
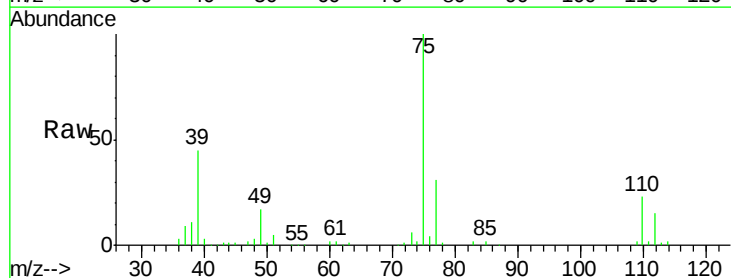
Manual Integrations
APPROVED

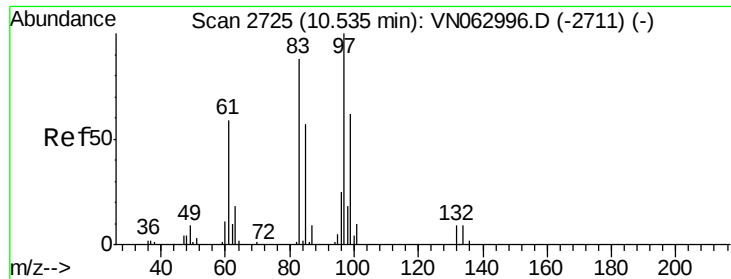
MMDadoda
8/26/2020 11:26:49 AM



#54
cis-1,3-Dichloropropene
Concen: 49.868 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion: 75 Resp: 170946
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2
39 44.5 35.7 53.5





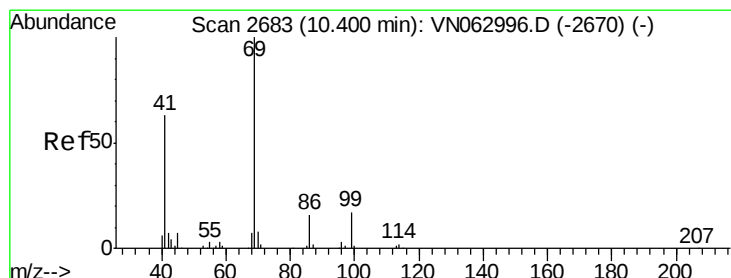
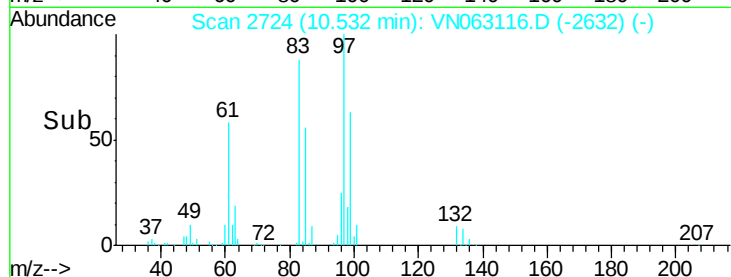
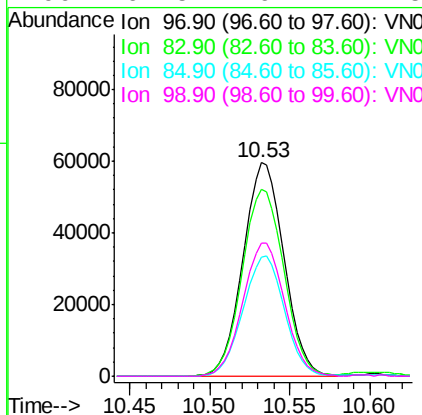
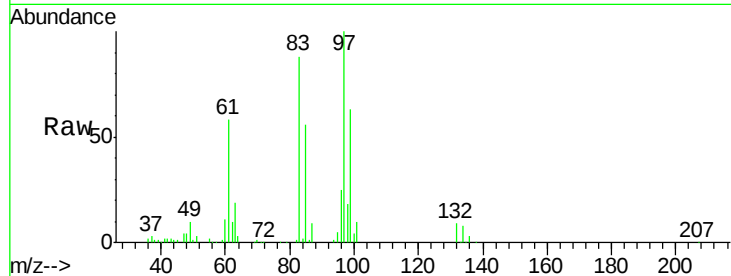
#55
 1,1,2-Trichloroethane
 Concen: 48.931 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	104276
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.5	105.7
85	56.0	45.8	68.6
99	62.5	49.7	74.5

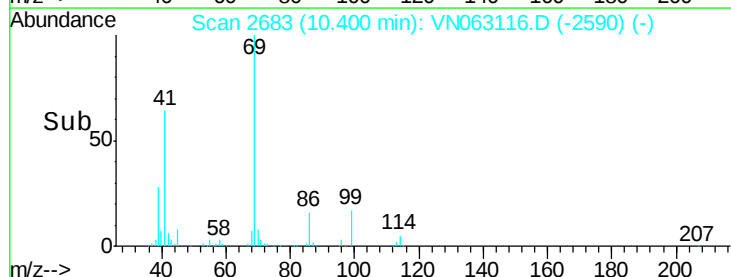
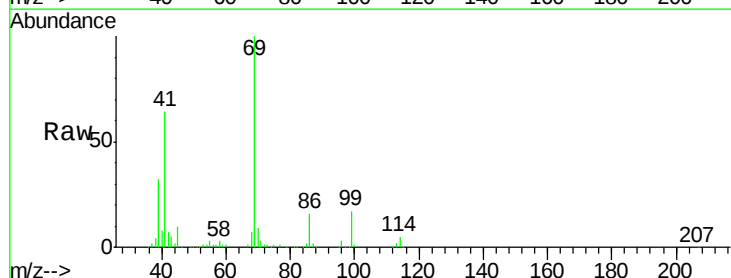
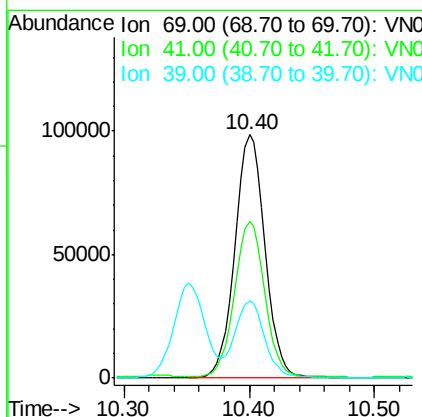
Manual Integrations
 APPROVED

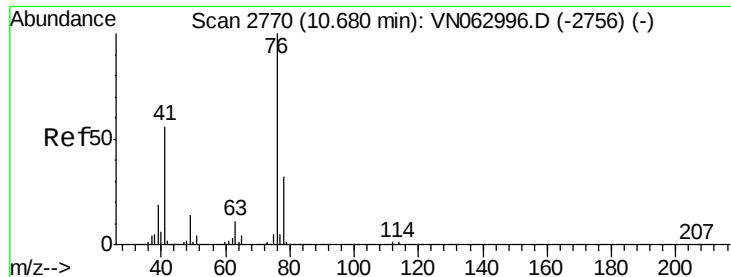
MMDadoda
 8/26/2020 11:26:49 AM



#56
 Ethyl methacrylate
 Concen: 49.421 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion:	69	Resp:	162597
Ion	Ratio	Lower	Upper
69	100		
41	65.3	50.2	75.2
39	31.7	24.2	36.4





#57

1,3-Dichloropropane

Concen: 49.515 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 175223

Ion Ratio Lower Upper

76 100

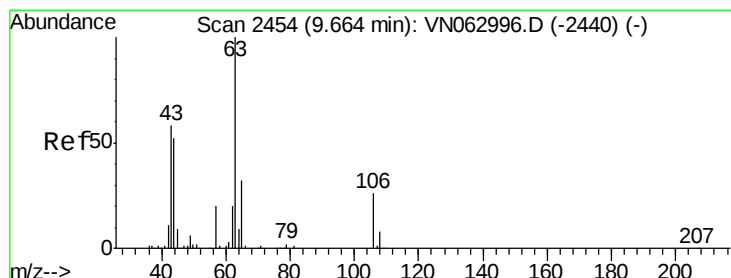
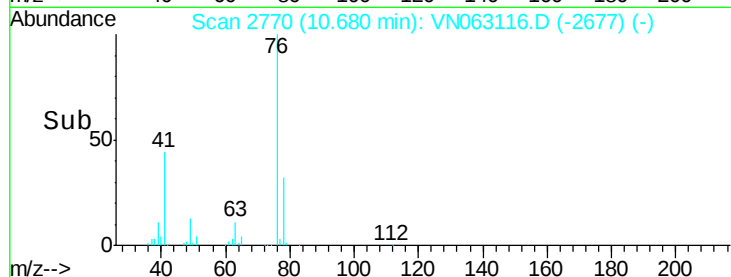
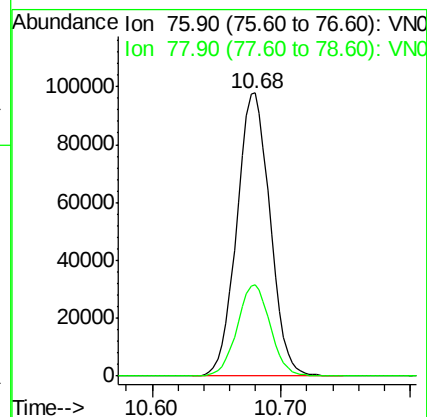
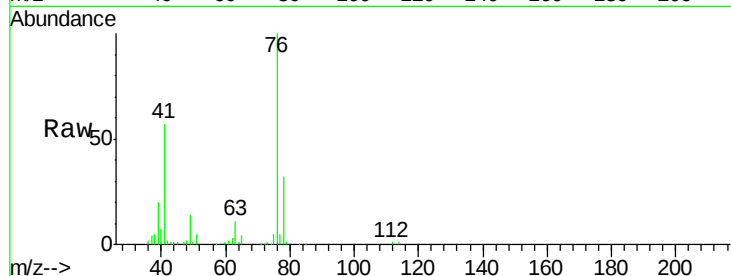
78 31.9 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

8/26/2020 11:26:49 AM



#58

2-Chloroethyl Vinyl ether

Concen: 443.448 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN063116.D

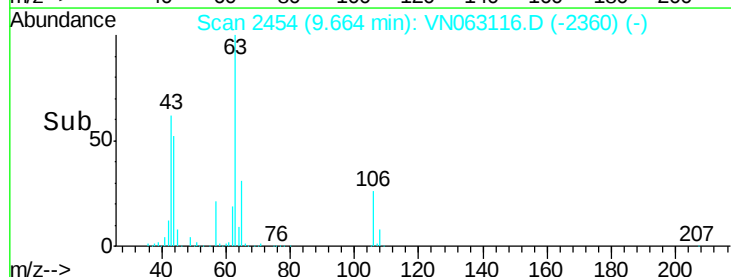
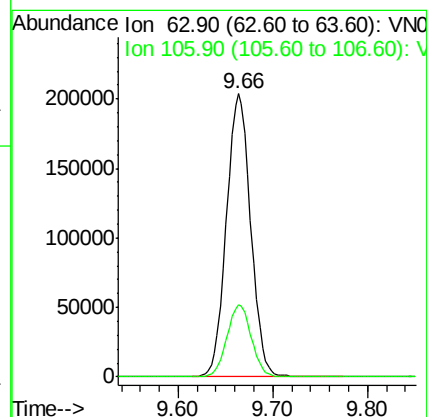
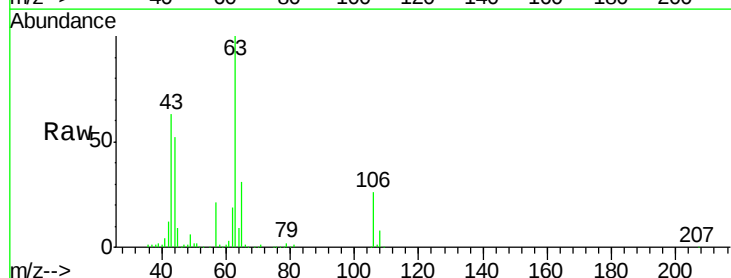
Acq: 25 Aug 2020 16:38

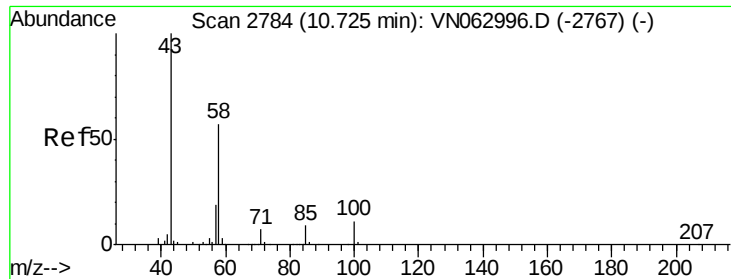
Tgt Ion: 63 Resp: 362786

Ion Ratio Lower Upper

63 100

106 25.5 20.7 31.1





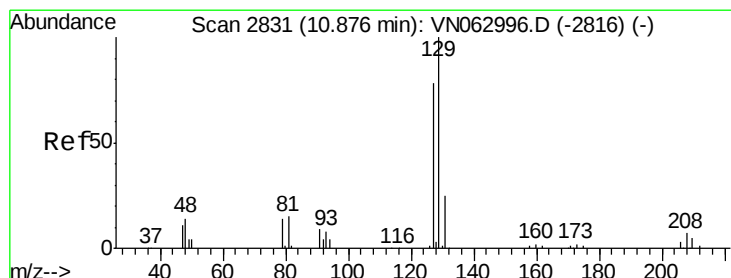
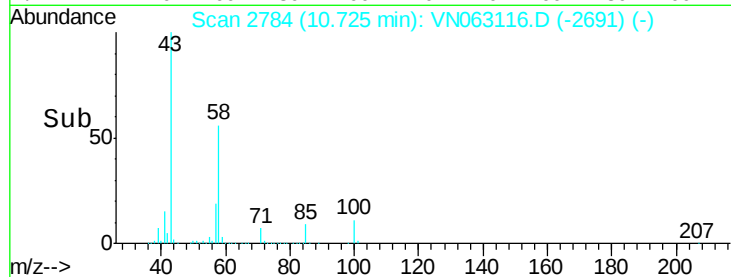
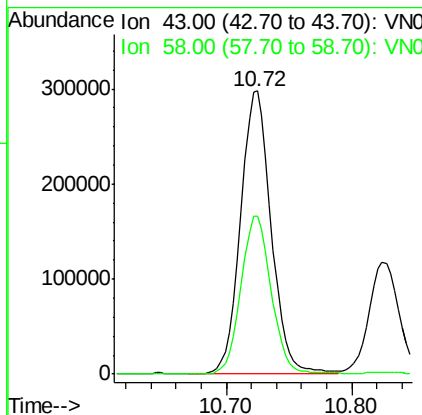
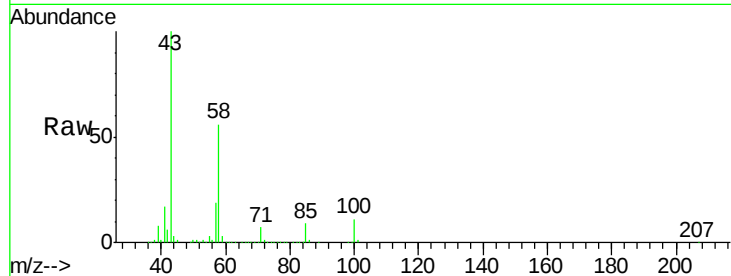
#59
2-Hexanone
Concen: 281.151 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	28.1	84.3

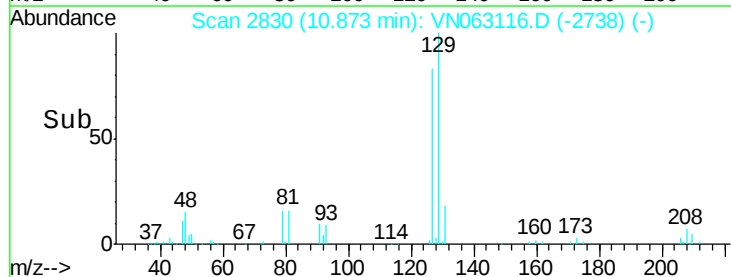
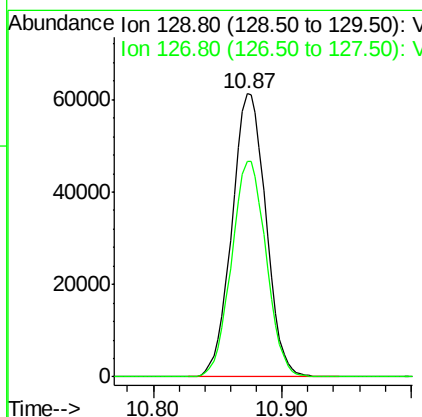
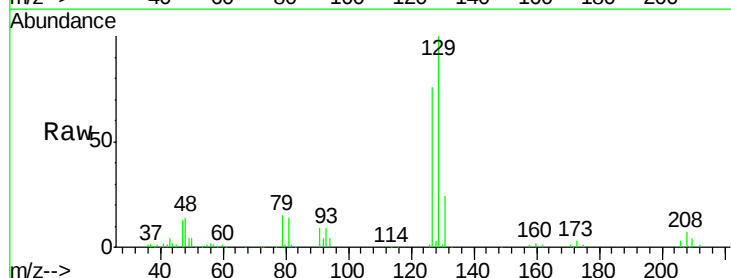
Manual Integrations
APPROVED

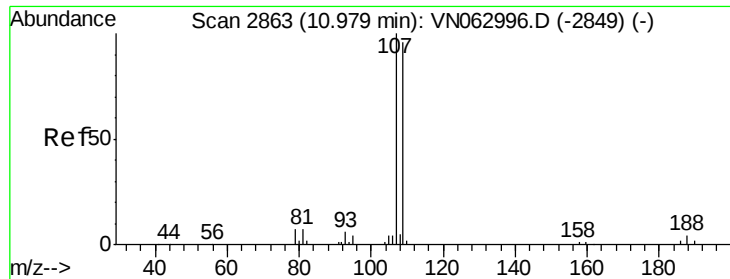
MMDadoda
8/26/2020 11:26:49 AM



#60
Dibromochloromethane
Concen: 47.622 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.4	115.2





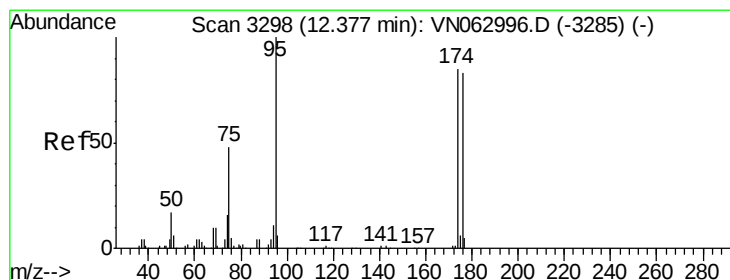
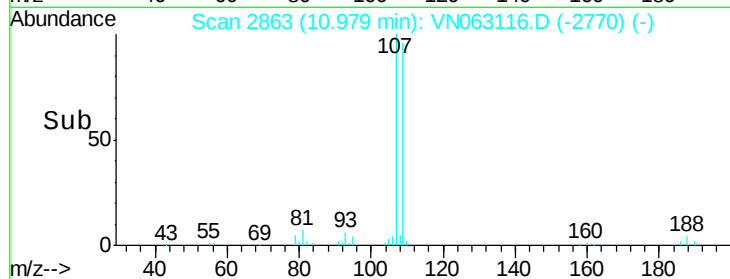
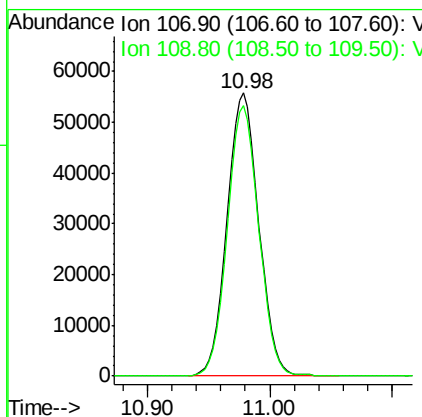
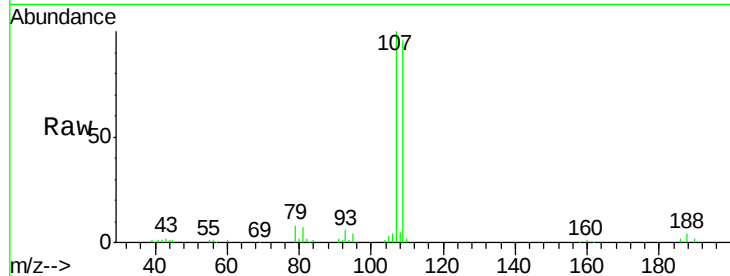
#61
 1,2-Dibromoethane
 Concen: 49.434 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	101225		
109	94.6	75.7	113.5	

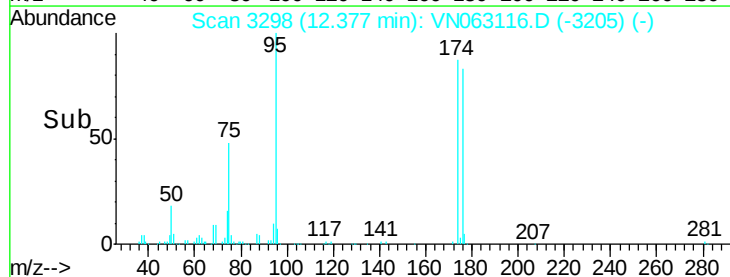
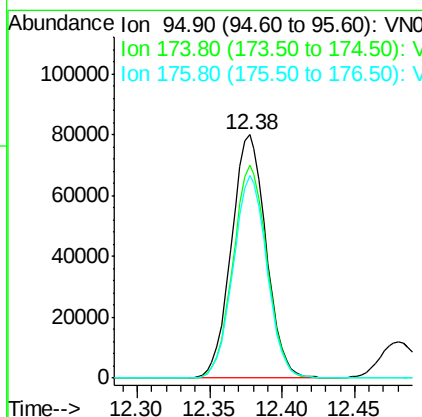
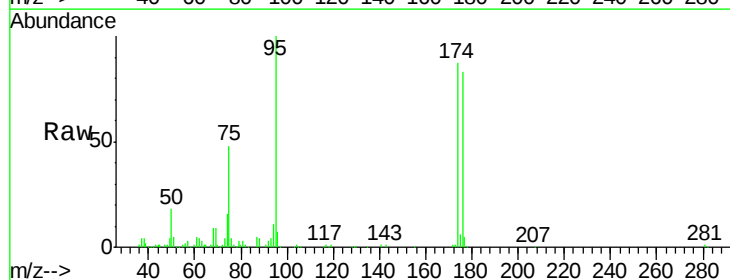
Manual Integrations
 APPROVED

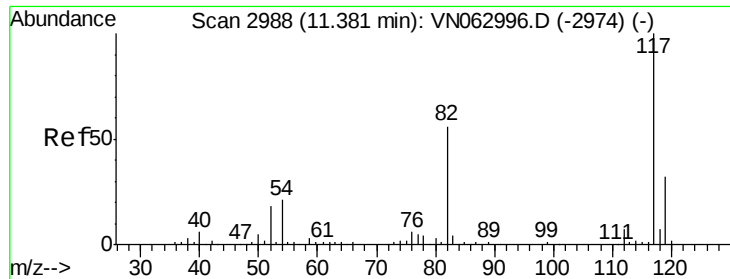
MMDadoda
 8/26/2020 11:26:49 AM



#62
 4-Bromofluorobenzene
 Concen: 50.895 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	132873		
174	85.8	0.0	170.8	
176	81.1	0.0	164.8	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

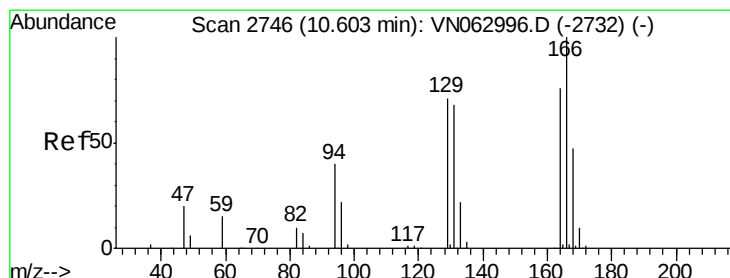
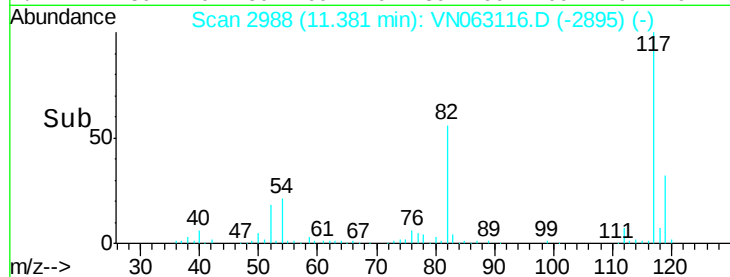
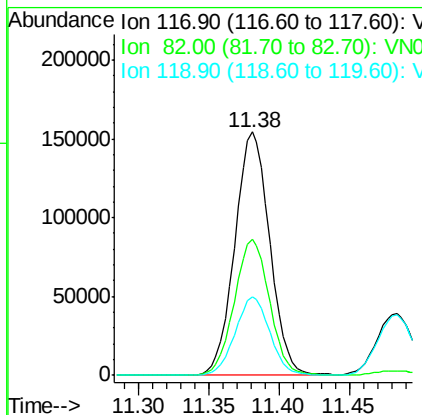
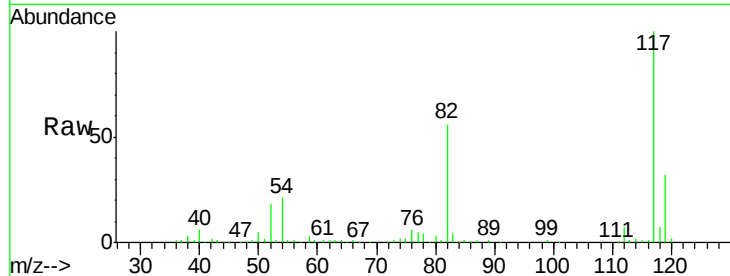
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	268179
Ion Ratio		Lower	Upper
117	100		
82	55.9	44.5	66.7
119	32.1	25.5	38.3

Manual Integrations
APPROVED

MMDadoda
8/26/2020 11:26:49 AM



#64

Tetrachloroethene

Concen: 55.080 ug/l

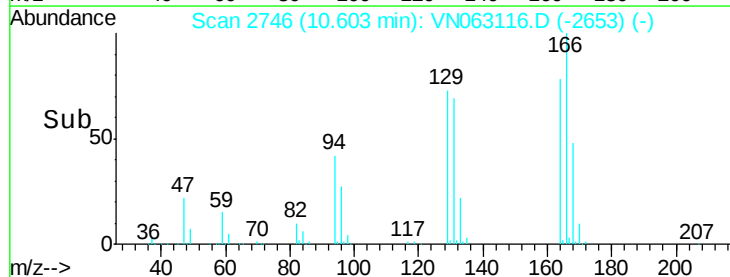
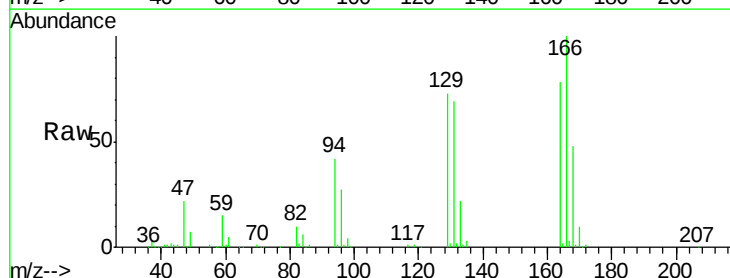
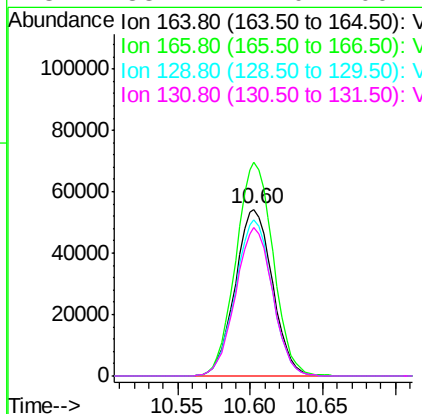
RT: 10.60 min Scan# 2746

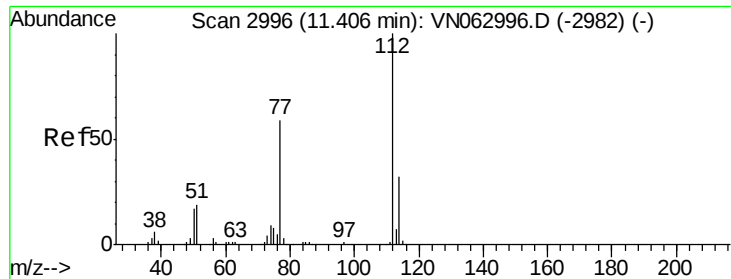
Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Tgt Ion:	164	Resp:	97098
Ion Ratio		Lower	Upper
164	100		
166	128.1	105.0	157.6
129	93.8	74.7	112.1
131	88.7	71.0	106.4





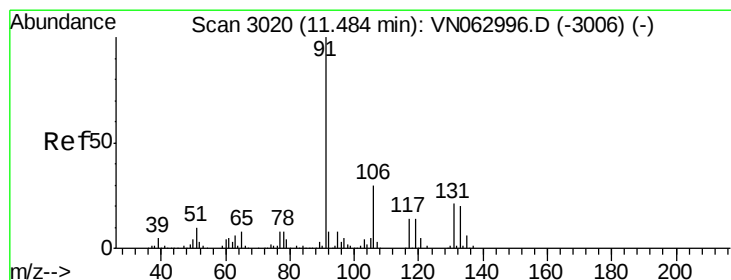
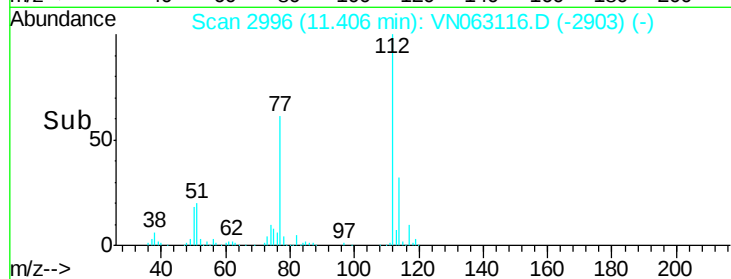
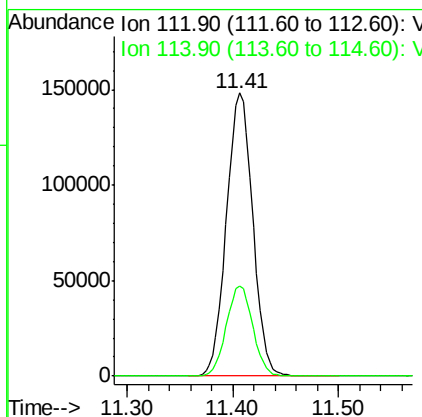
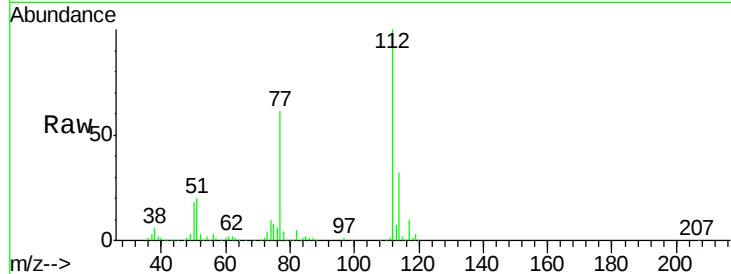
#65
Chlorobenzene
Concen: 47.578 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.3	37.9

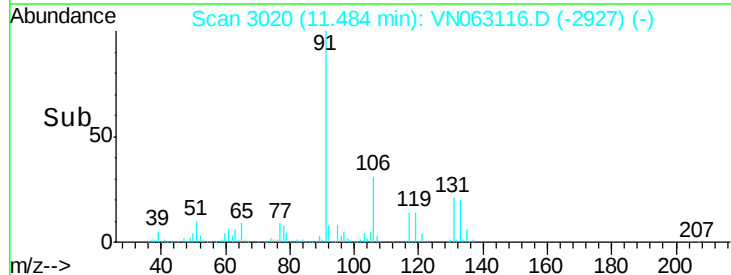
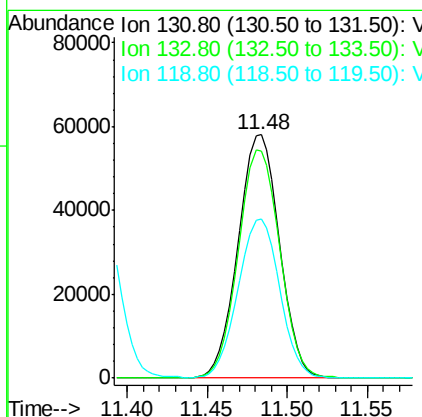
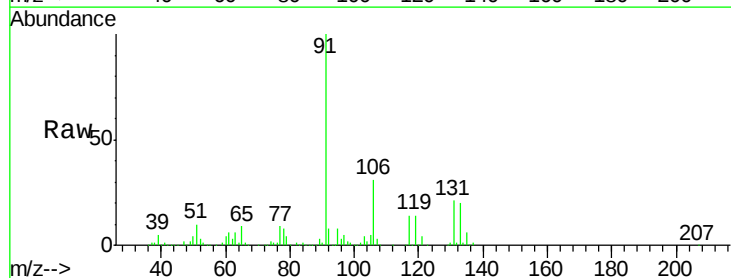
Manual Integrations
APPROVED

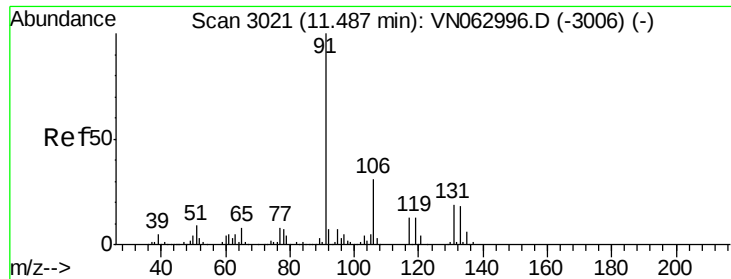
MMDadoda
8/26/2020 11:26:49 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.820 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.5	142.6
119	66.0	33.1	99.3





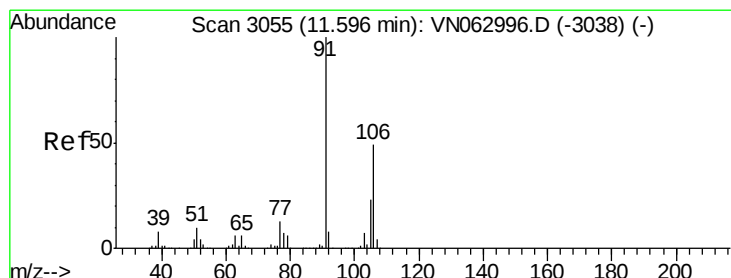
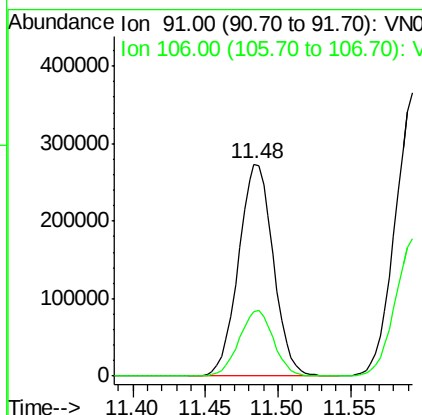
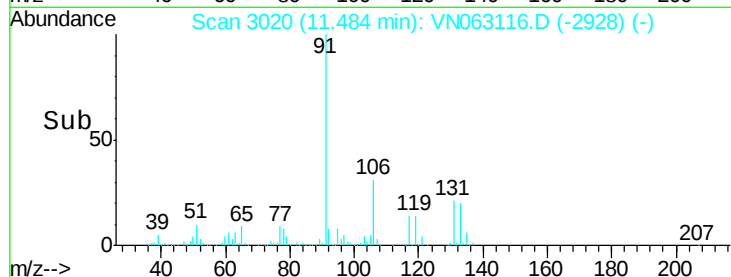
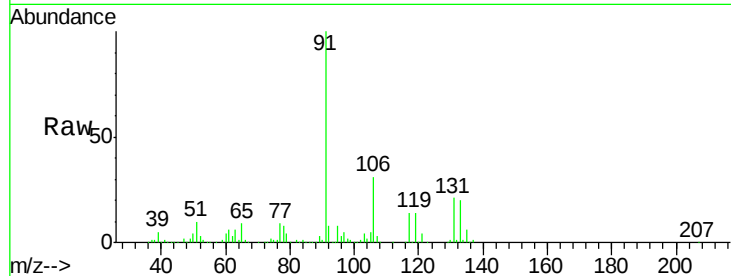
#67
Ethyl Benzene
Concen: 50.119 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 456123
Ion Ratio Lower Upper
91 100
106 30.7 24.6 37.0

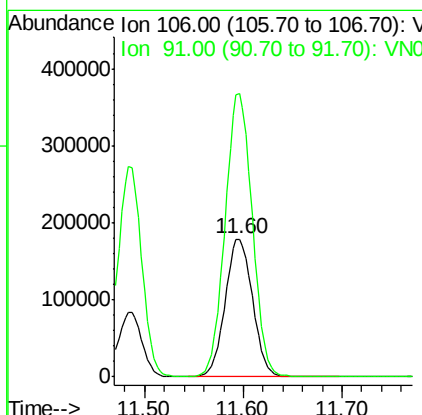
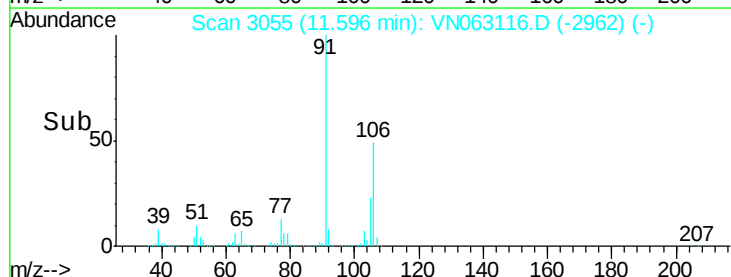
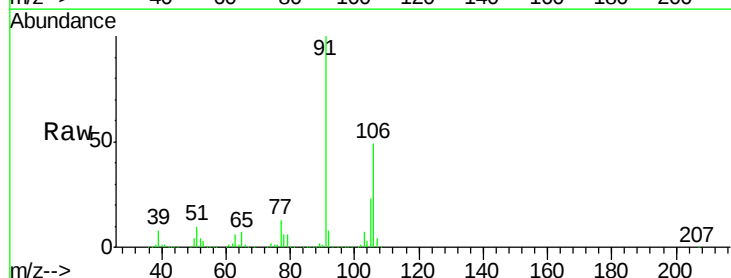
Manual Integrations
APPROVED

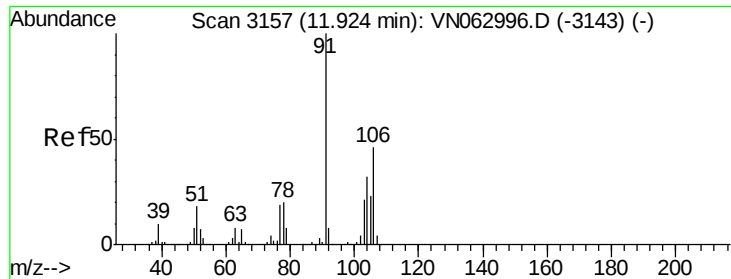
MMDadoda
8/26/2020 11:26:49 AM



#68
m/p-Xylenes
Concen: 102.416 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion: 106 Resp: 346421
Ion Ratio Lower Upper
106 100
91 204.4 163.0 244.4





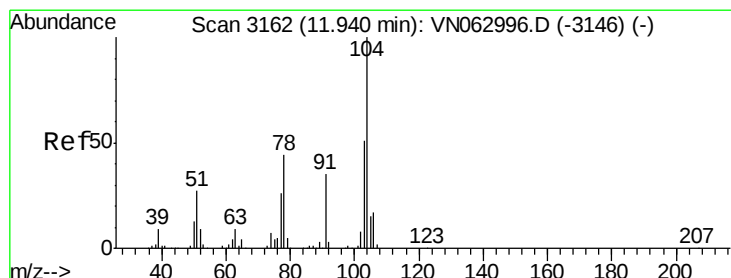
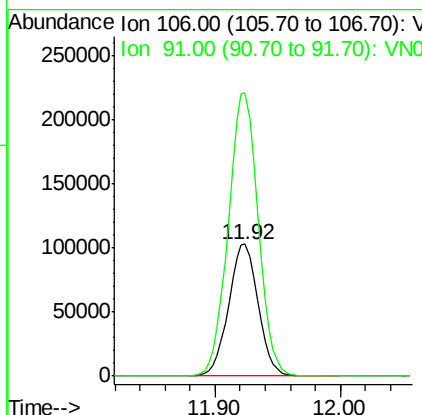
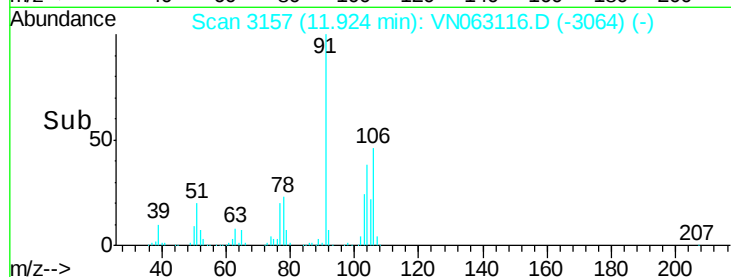
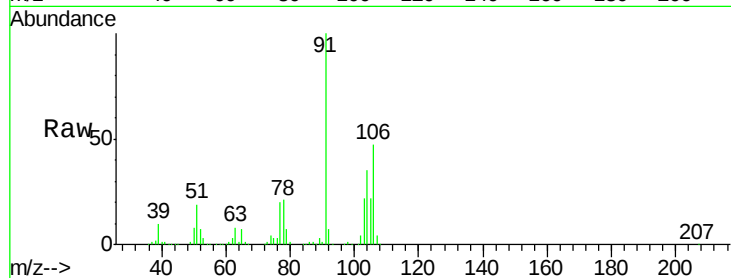
#69
o-Xylene
Concen: 52.007 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	216.7	107.3	321.9		

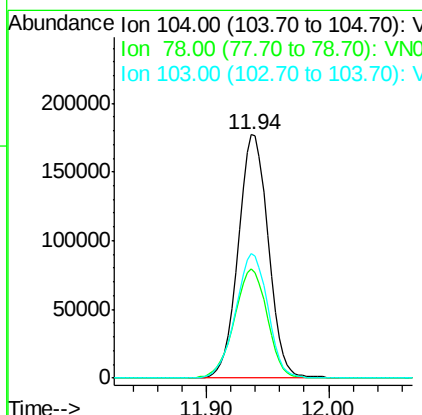
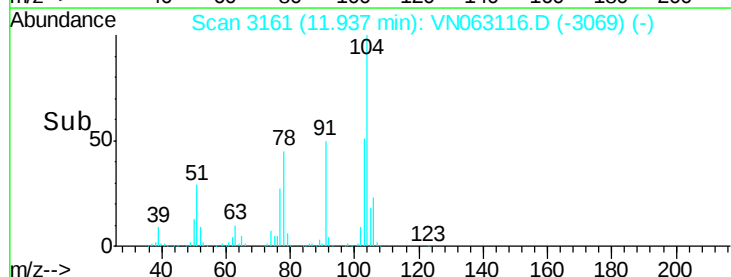
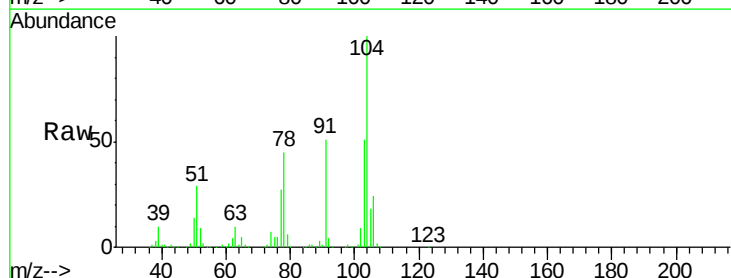
Manual Integrations
APPROVED

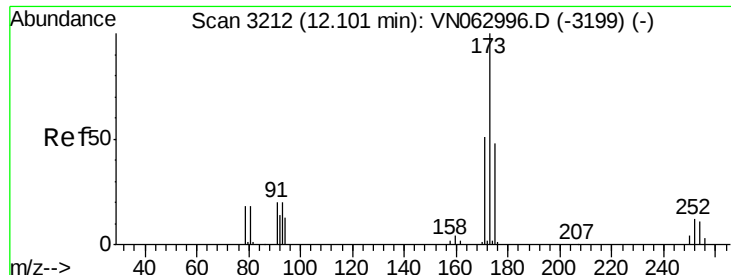
MMDadoda
8/26/2020 11:26:49 AM



#70
Styrene
Concen: 46.829 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.5	39.0	58.6		
103	55.3	44.3	66.5		





#71

Bromoform

Concen: 48.744 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 81280

Ion Ratio Lower Upper

173 100

175 47.6 24.3 72.8

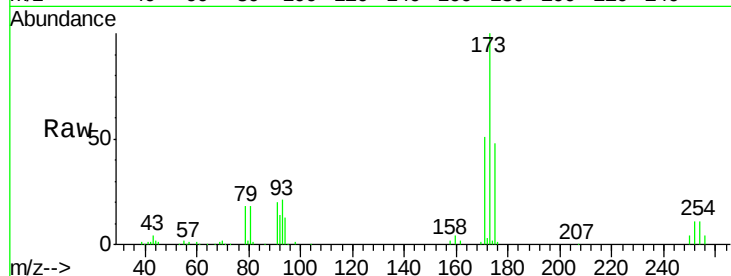
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

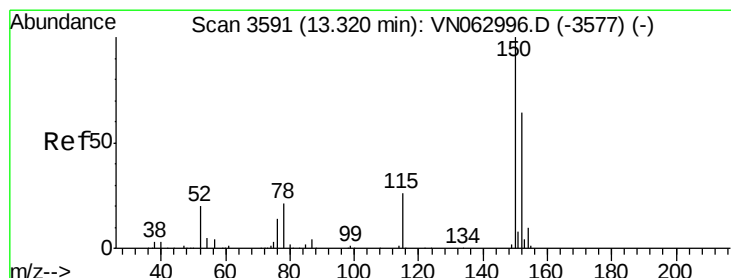
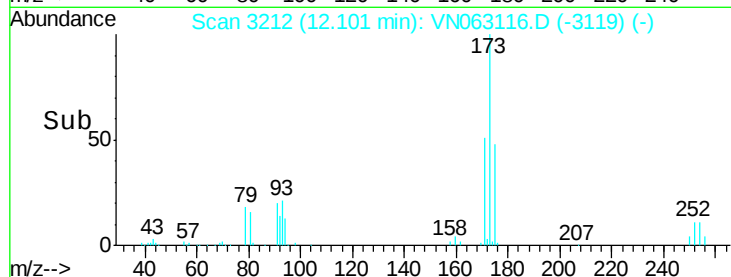
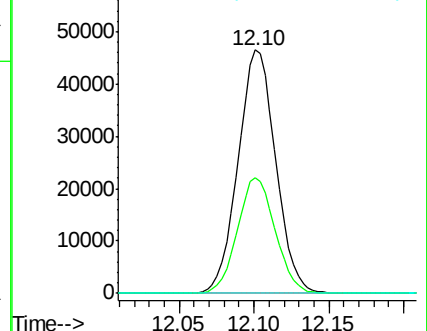
8/26/2020 11:26:49 AM



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: VN063116.D

Acq: 25 Aug 2020 16:38

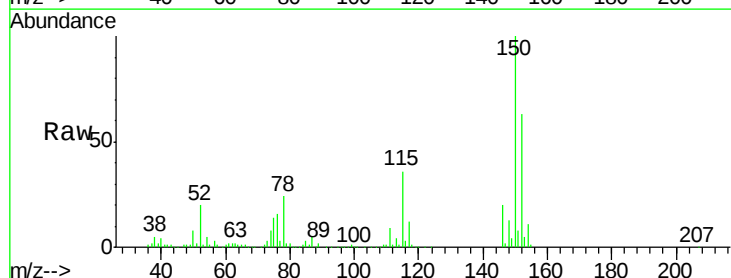
Tgt Ion:152 Resp: 127634

Ion Ratio Lower Upper

152 100

115 58.0 28.7 86.3

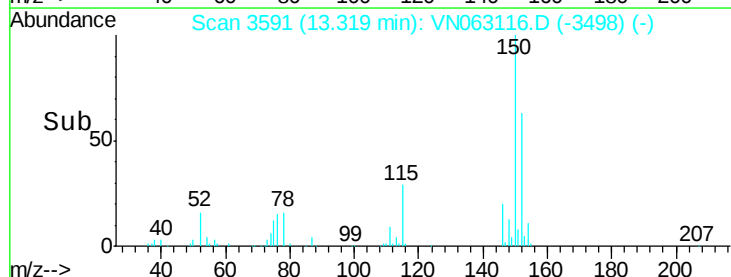
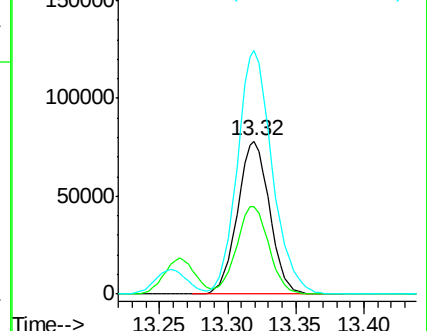
150 172.9 0.0 348.8

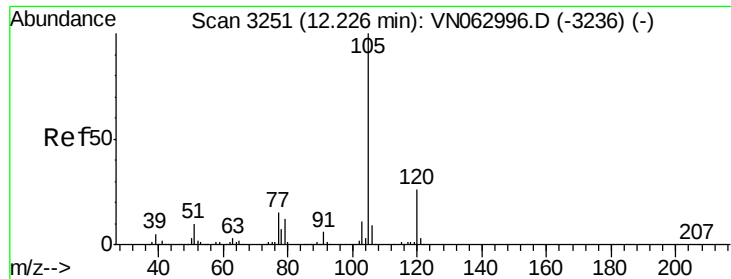


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.196 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 447471

Ion Ratio Lower Upper

105 100

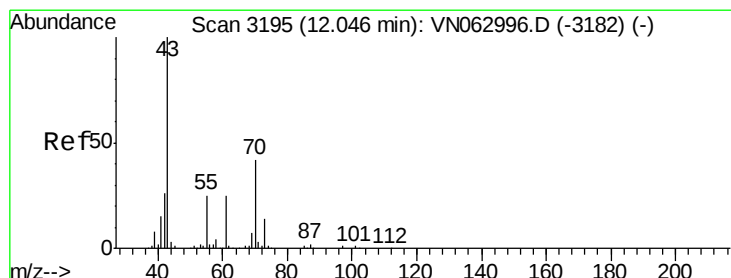
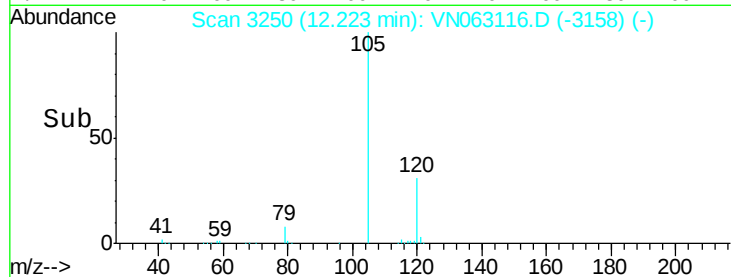
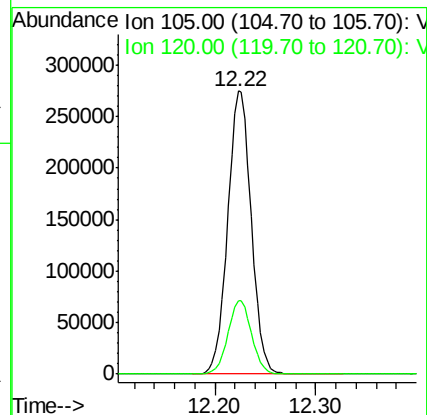
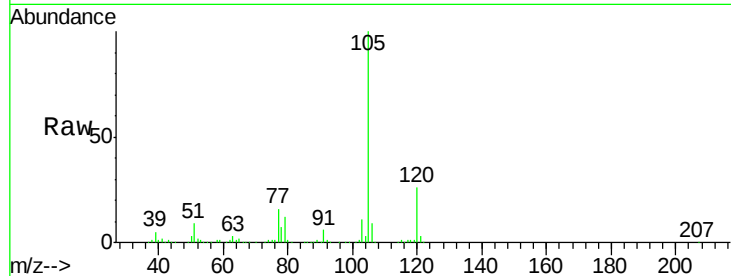
120 26.0 13.2 39.6

Manual Integrations

APPROVED

MMDadoda

8/26/2020 11:26:49 AM



#74

N-ethyl acetate

Concen: 67.780 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Tgt Ion: 43 Resp: 212176

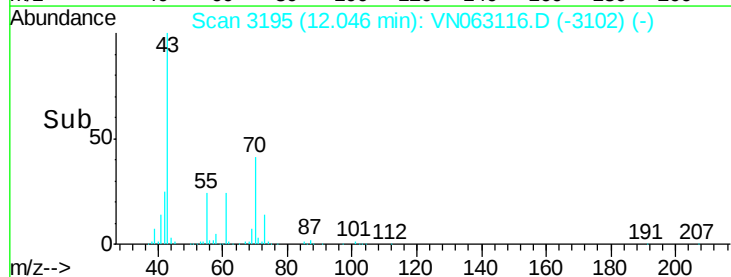
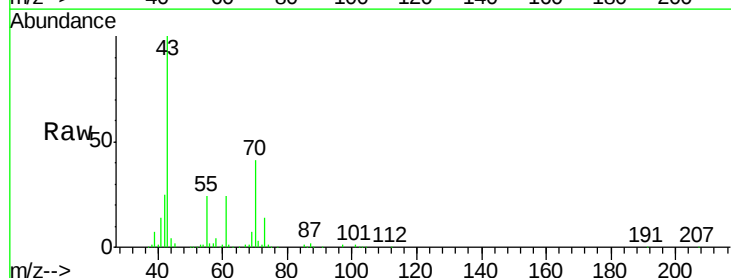
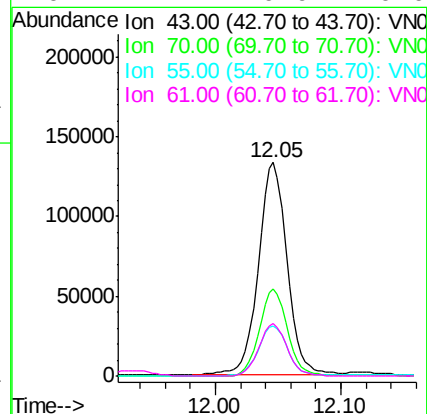
Ion Ratio Lower Upper

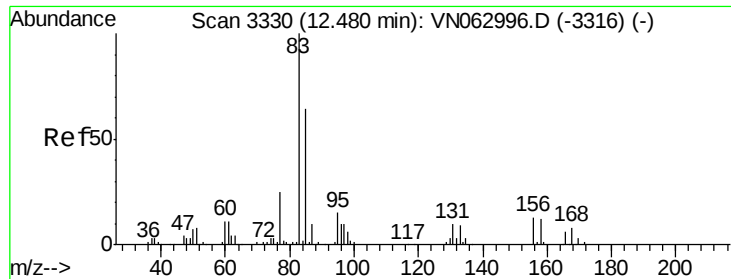
43 100

70 40.1 33.4 50.0

55 23.7 20.2 30.2

61 24.1 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 49.360 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 139277

Ion Ratio Lower Upper

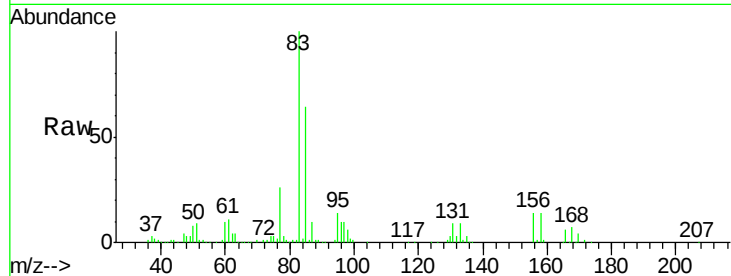
83 100

131 9.8 4.9 14.7

85 64.2 31.9 95.5

Manual Integrations
APPROVED

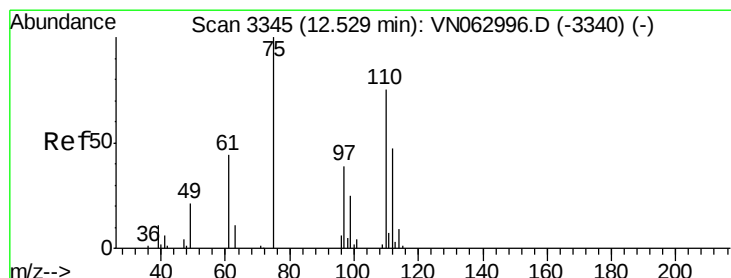
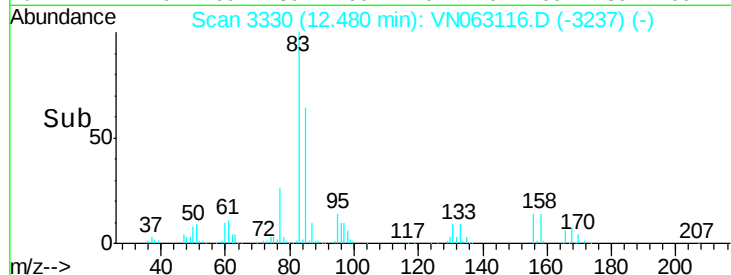
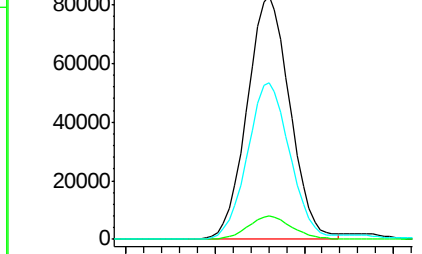
MMDadoda
8/26/2020 11:26:49 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 51.588 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN063116.D

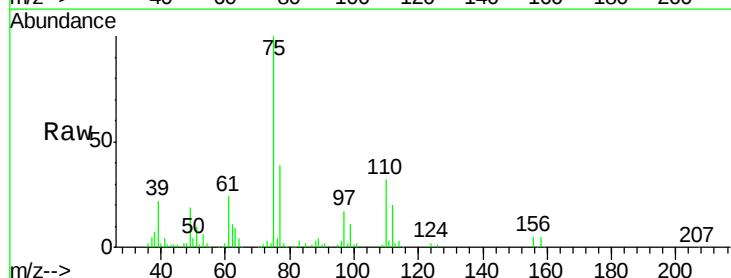
Acq: 25 Aug 2020 16:38

Tgt Ion: 75 Resp: 127986

Ion Ratio Lower Upper

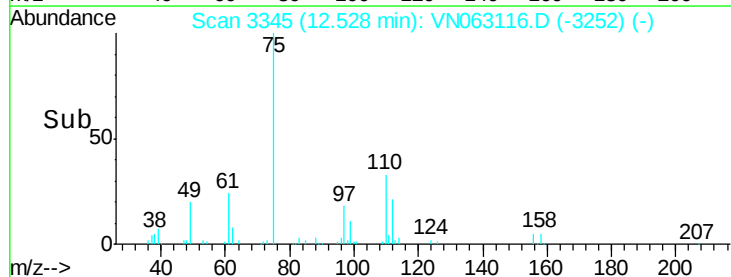
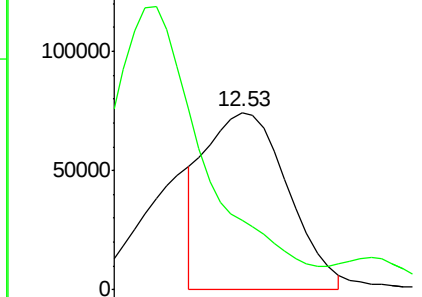
75 100

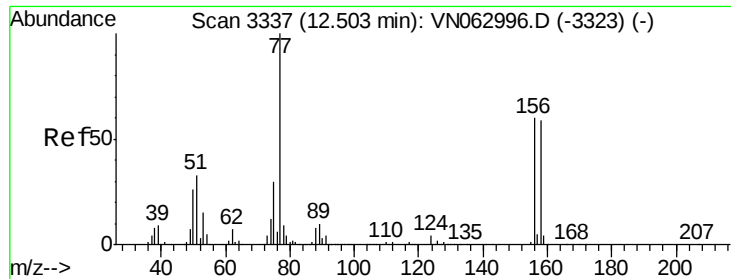
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





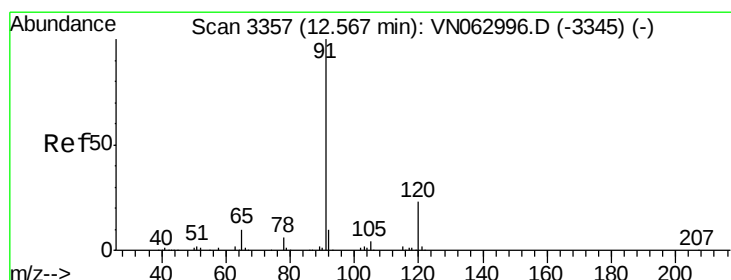
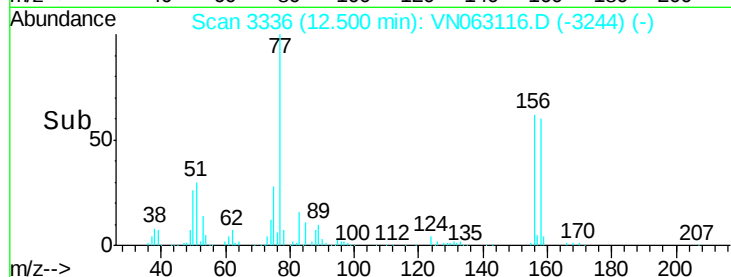
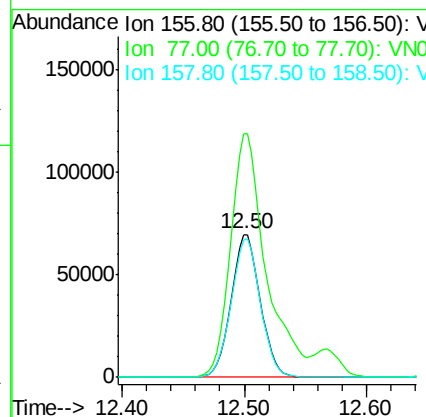
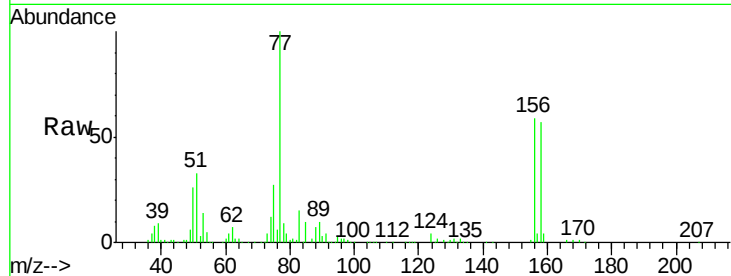
#77
Bromobenzene
Concen: 48.068 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	208.1	101.0	302.9
158	98.1	49.4	148.0

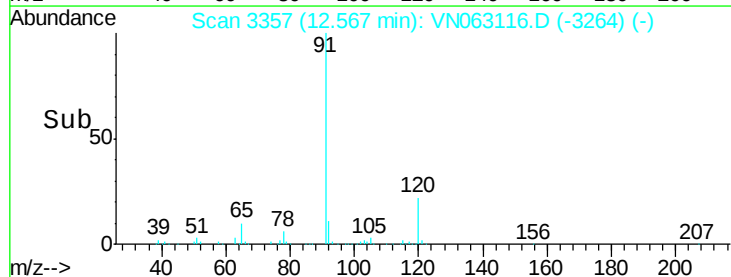
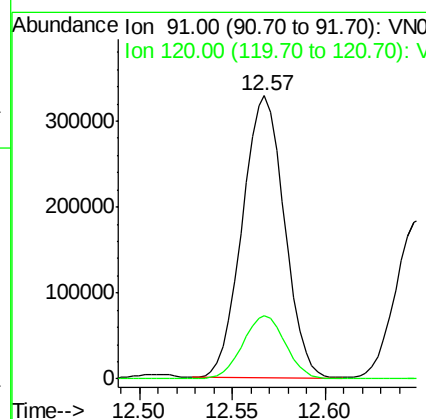
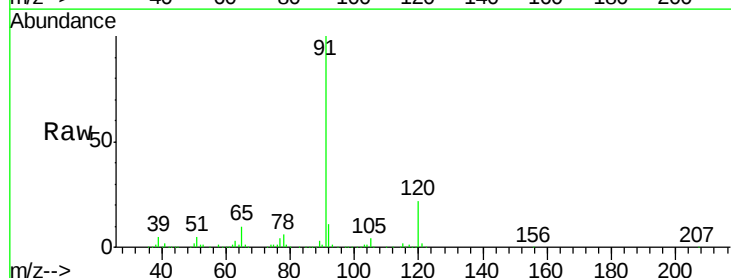
Manual Integrations
APPROVED

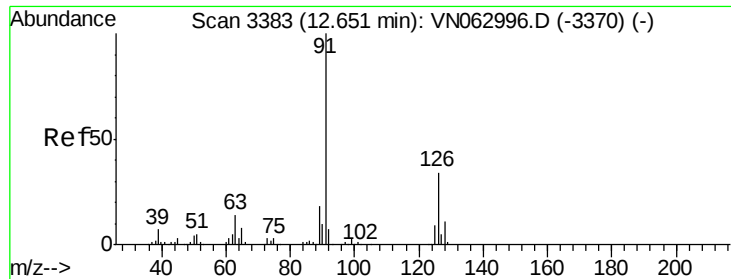
MMDadoda
8/26/2020 11:26:49 AM



#78
n-propylbenzene
Concen: 52.072 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.1





#79

2-Chlorotoluene

Concen: 48.739 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 305409

Ion Ratio Lower Upper

91 100

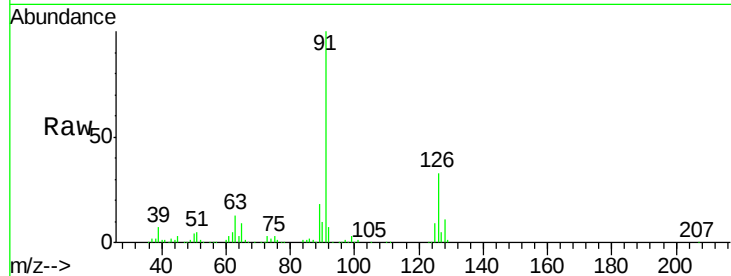
126 33.7 17.1 51.2

Manual Integrations

APPROVED

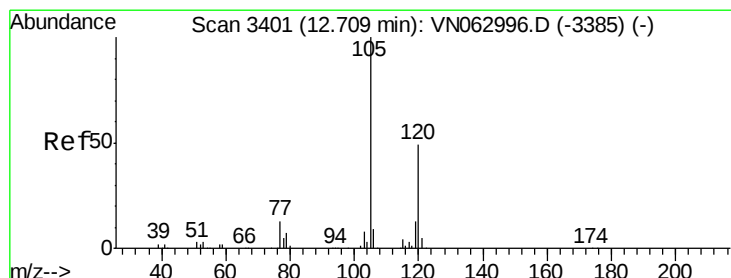
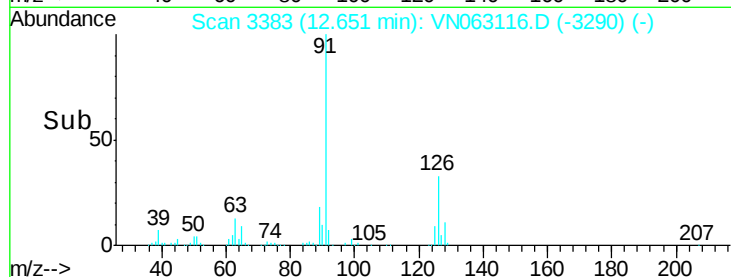
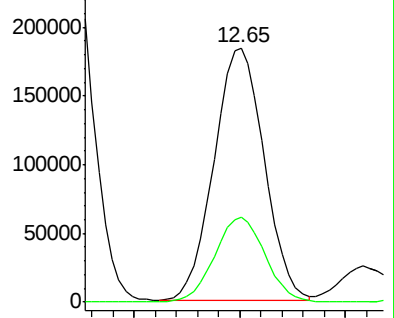
MMDadoda

8/26/2020 11:26:49 AM



Abundance Ion 91.00 (90.70 to 91.70): VN063116.D (-3383) (-)

Ion 125.90 (125.60 to 126.60): VN063116.D (-3383) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.657 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063116.D

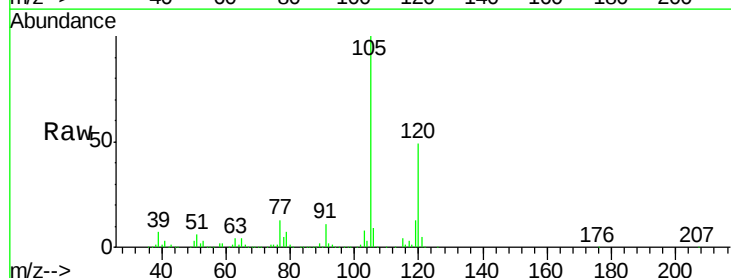
Acq: 25 Aug 2020 16:38

Tgt Ion: 105 Resp: 380464

Ion Ratio Lower Upper

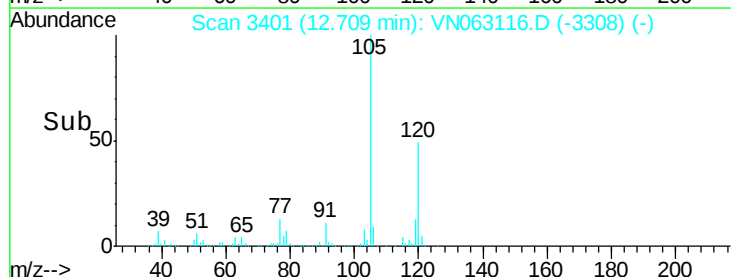
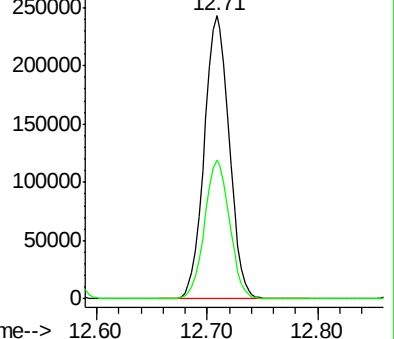
105 100

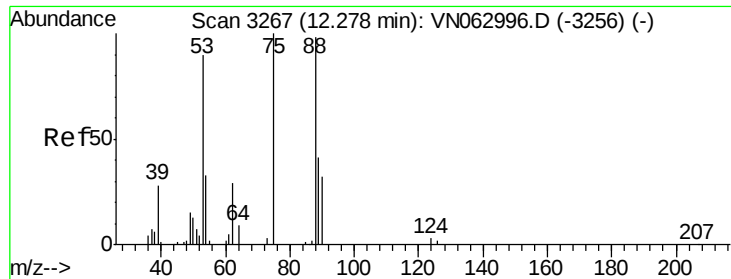
120 49.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN063116.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN063116.D (-3398) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 56.422 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

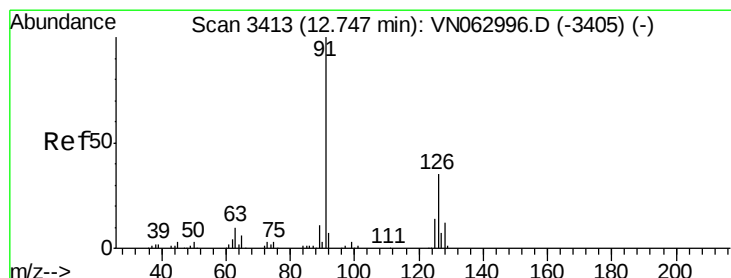
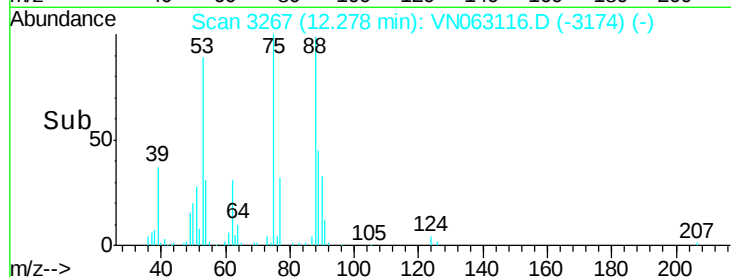
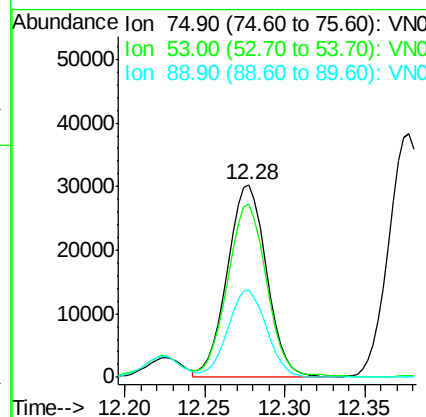
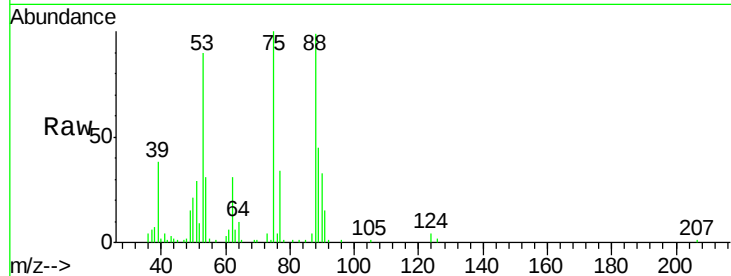
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	50967
Ion	Ratio	Lower	Upper
75	100		
53	90.1	69.2	103.8
89	44.7	34.2	51.4

Manual Integrations
APPROVED

MMDadoda
8/26/2020 11:26:49 AM



#82

4-Chlorotoluene

Concen: 51.222 ug/l

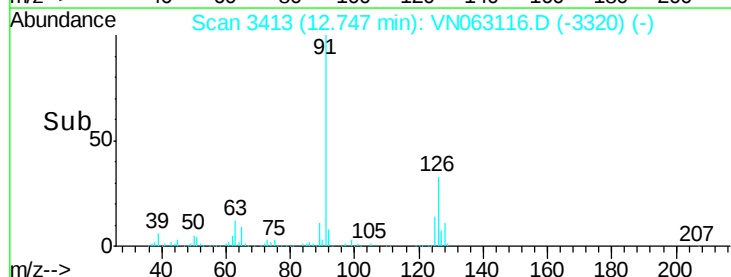
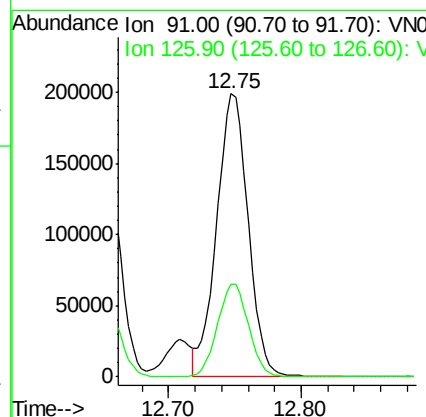
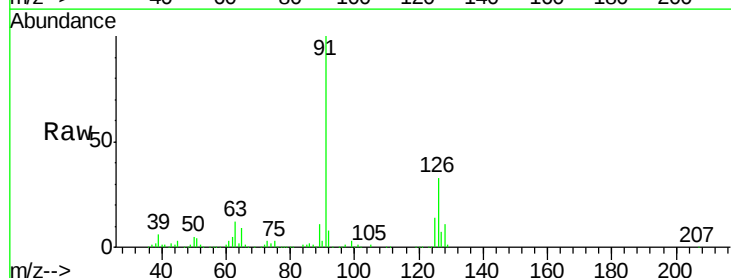
RT: 12.75 min Scan# 3413

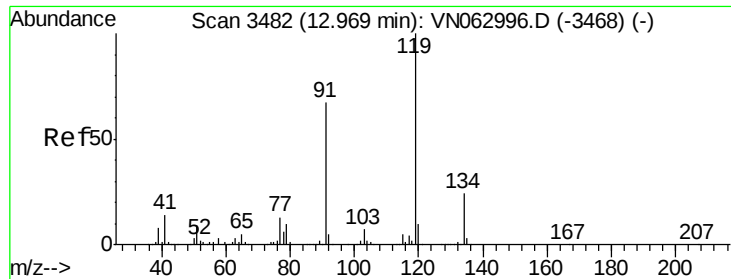
Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Tgt Ion:	91	Resp:	326834
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.5	49.5





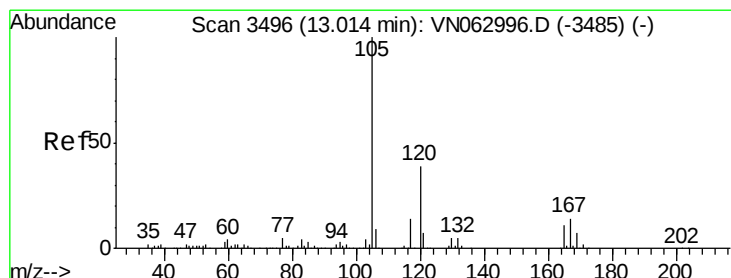
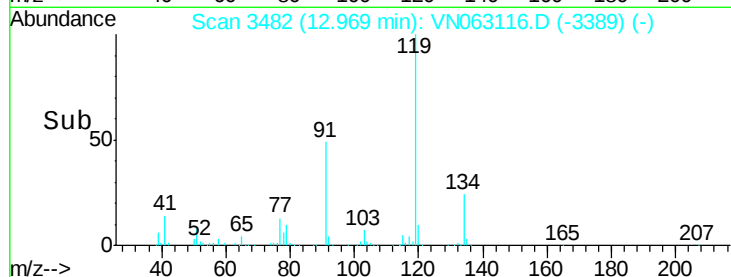
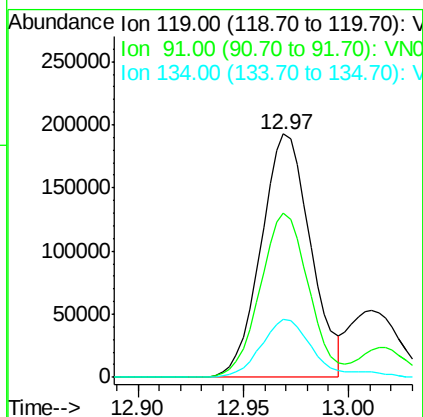
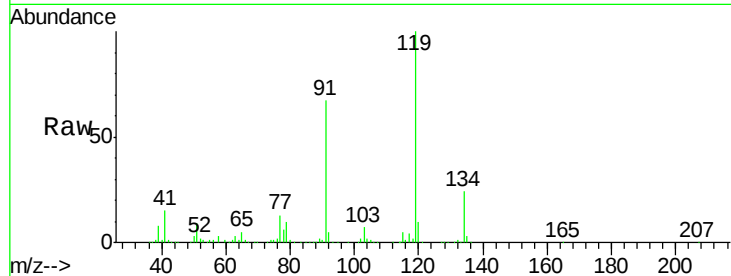
#83
tert-Butylbenzene
Concen: 50.616 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	32.5	97.4
134	25.6	13.1	39.3

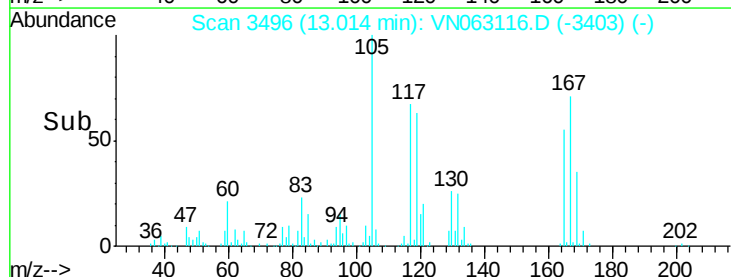
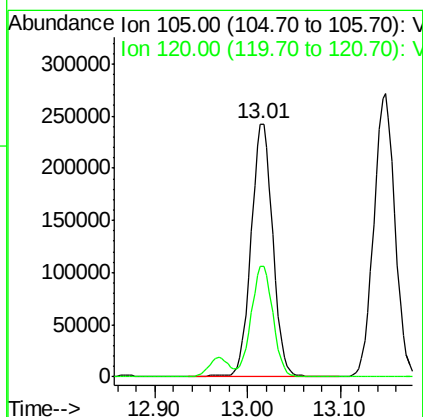
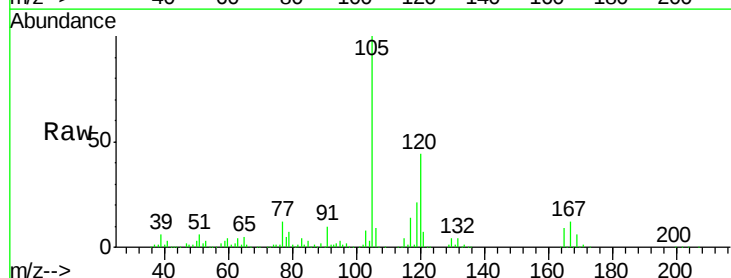
Manual Integrations
APPROVED

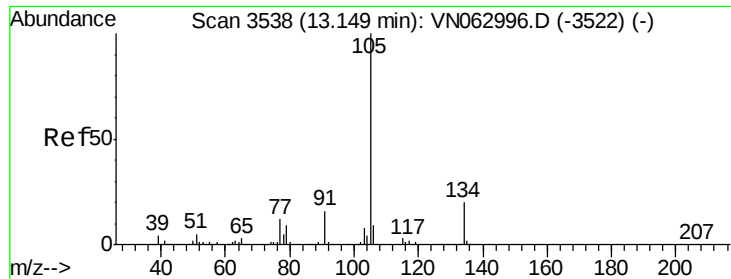
MMDadoda
8/26/2020 11:26:49 AM



#84
1,2,4-Trimethylbenzene
Concen: 55.711 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.5	67.5





#85

sec-Butylbenzene

Concen: 50.777 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 427950

Ion Ratio Lower Upper

105 100

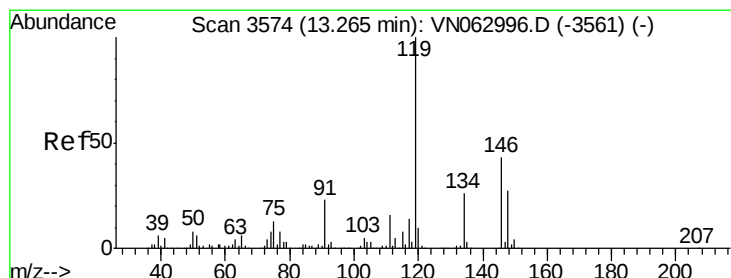
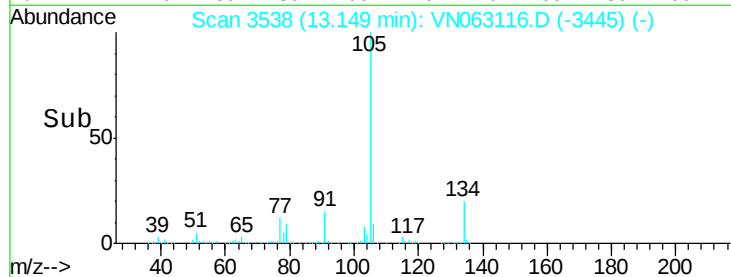
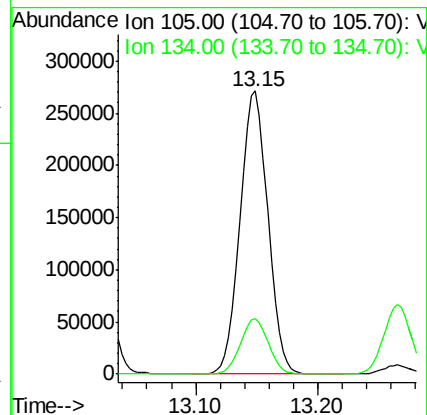
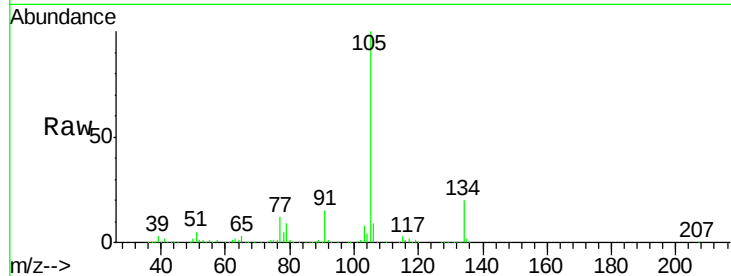
134 19.6 9.8 29.4

Manual Integrations

APPROVED

MMDadoda

8/26/2020 11:26:49 AM



#86

p-Isopropyltoluene

Concen: 53.281 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

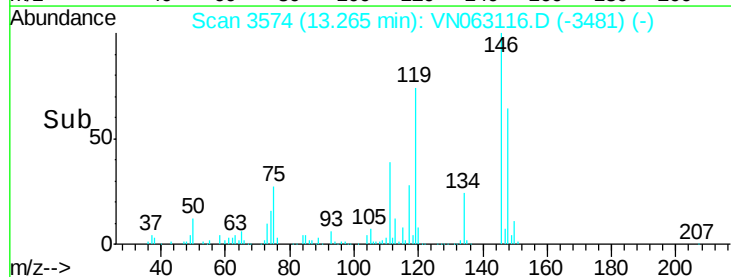
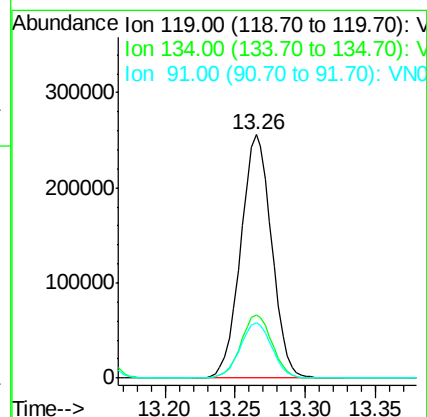
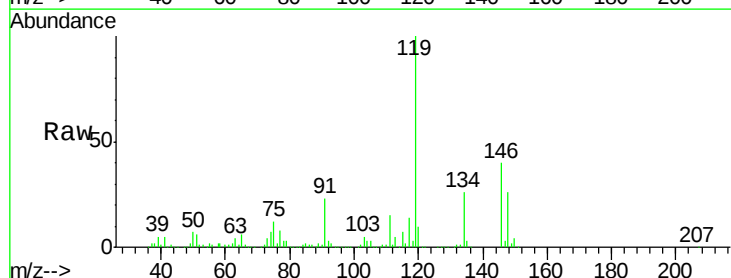
Tgt Ion:119 Resp: 391279

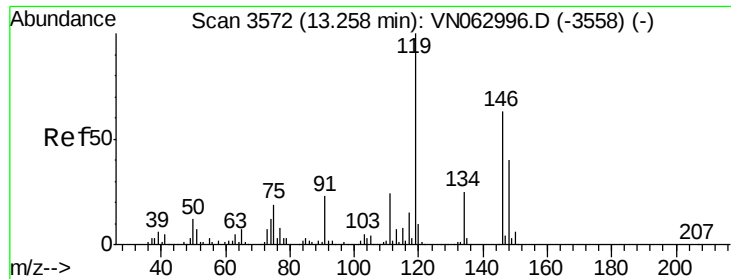
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 23.0 11.5 34.4





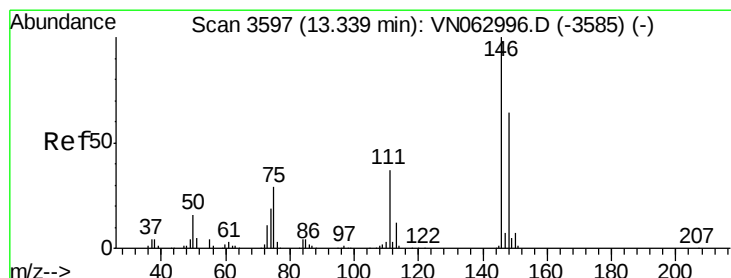
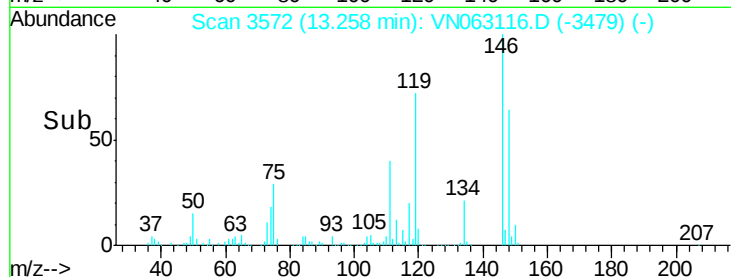
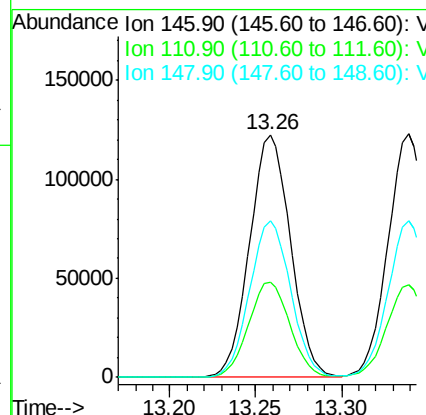
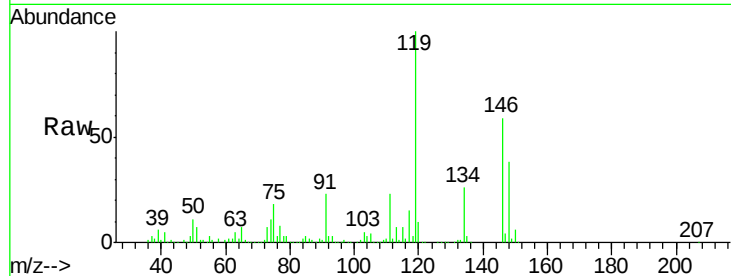
#87
 1,3-Dichlorobenzene
 Concen: 49.010 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.4	58.1
148	64.6	32.0	96.0

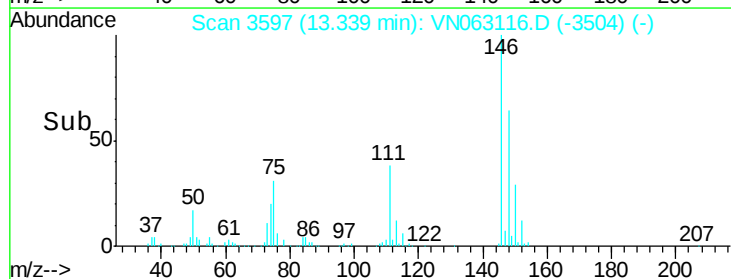
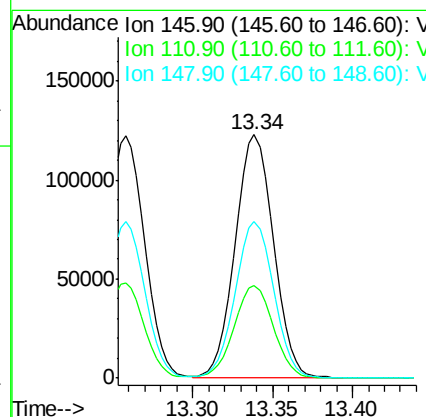
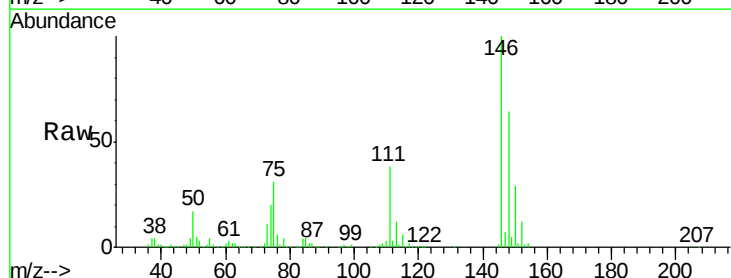
Manual Integrations
 APPROVED

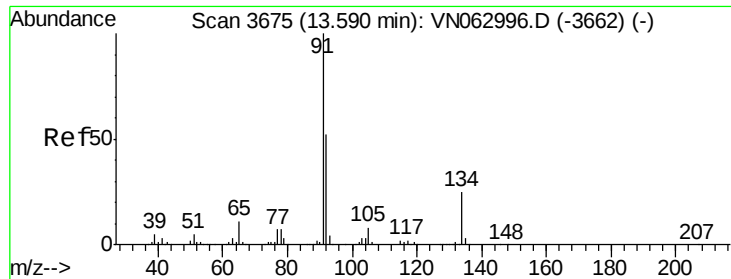
MMDadoda
 8/26/2020 11:26:49 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.710 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.8	56.4
148	64.6	32.4	97.0





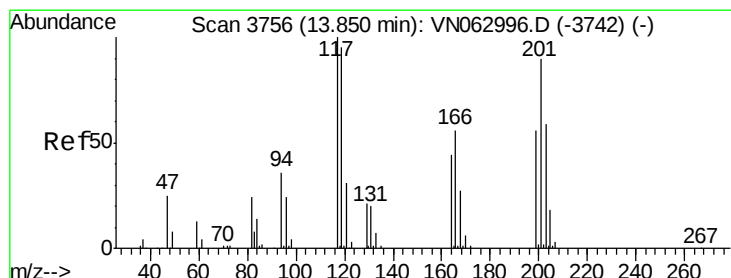
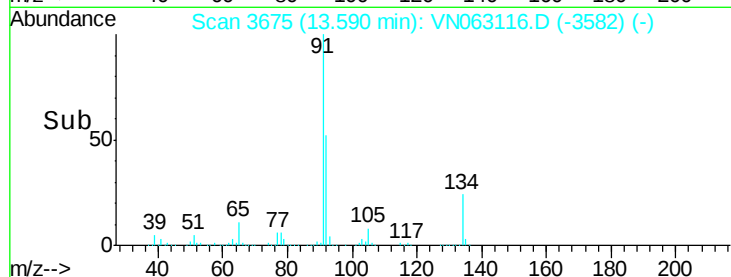
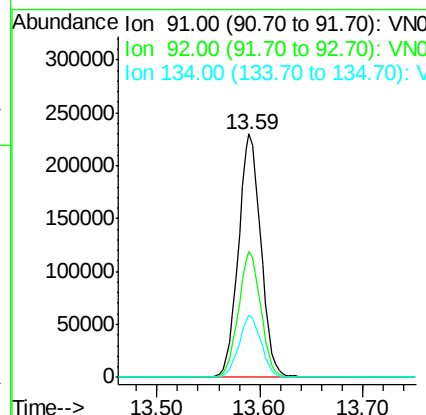
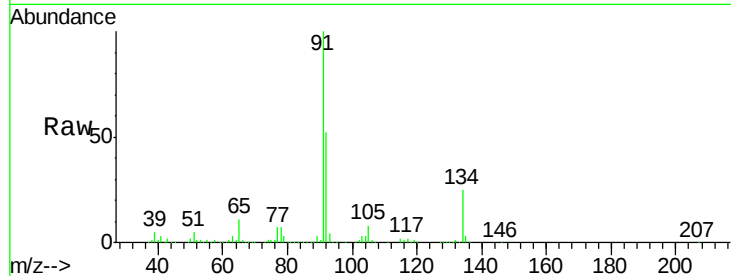
#89
n-Butylbenzene
Concen: 50.300 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.9	77.6
134	25.1	12.4	37.0

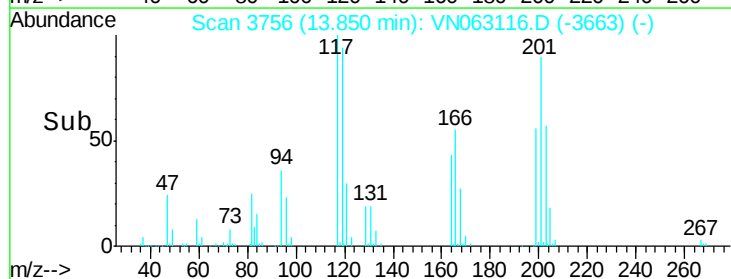
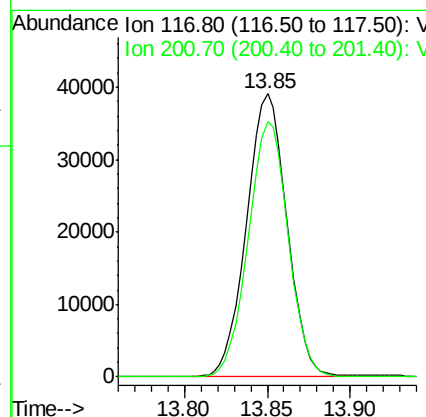
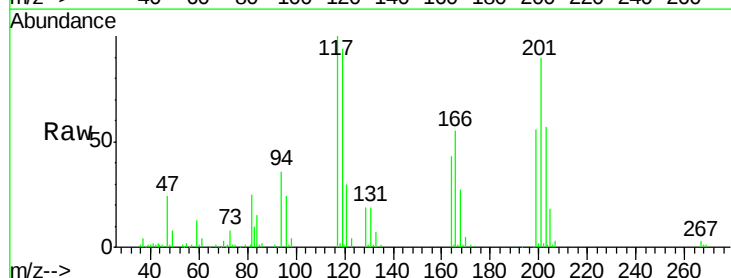
Manual Integrations
APPROVED

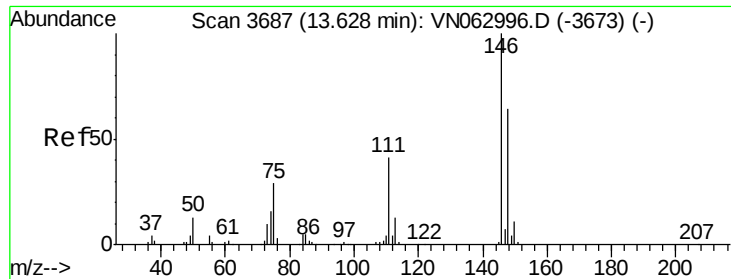
MMDadoda
8/26/2020 11:26:49 AM



#90
Hexachloroethane
Concen: 42.380 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.1	44.1	132.4





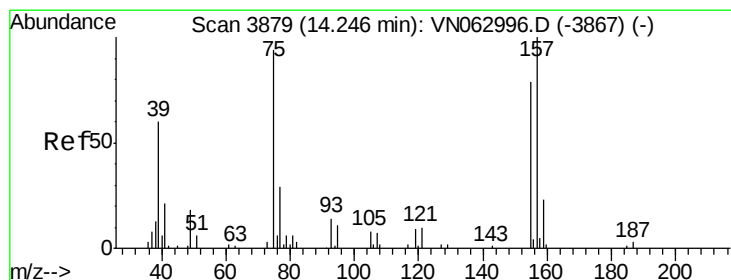
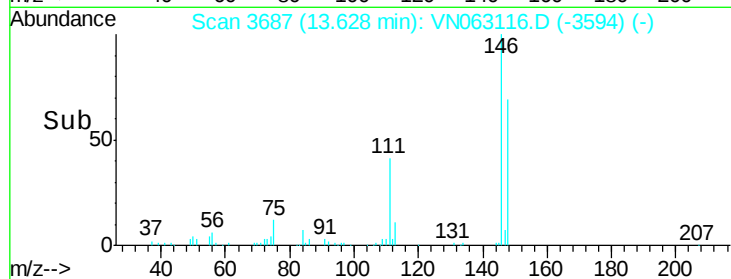
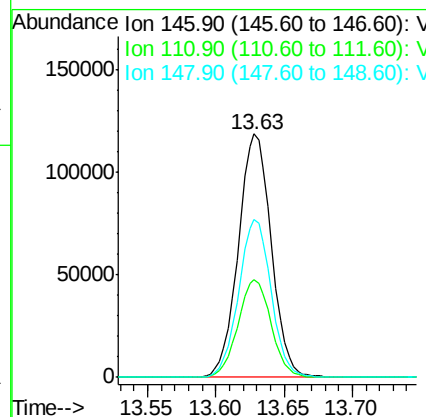
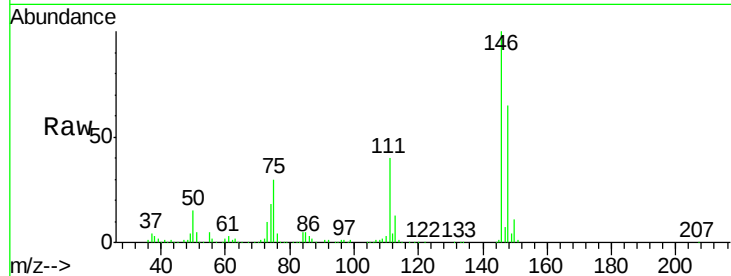
#91
 1,2-Dichlorobenzene
 Concen: 49.916 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	64.2	31.9	95.5

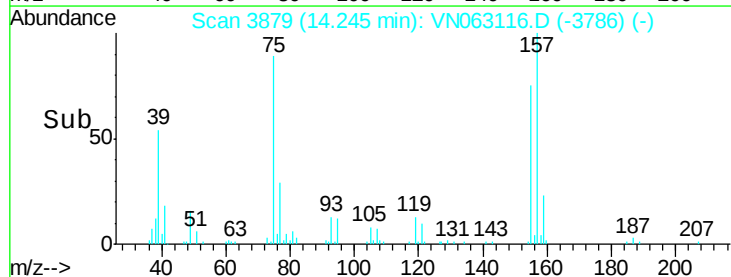
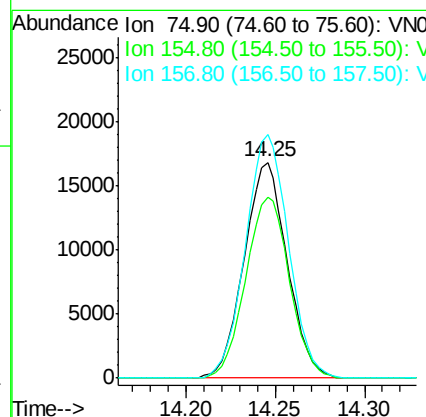
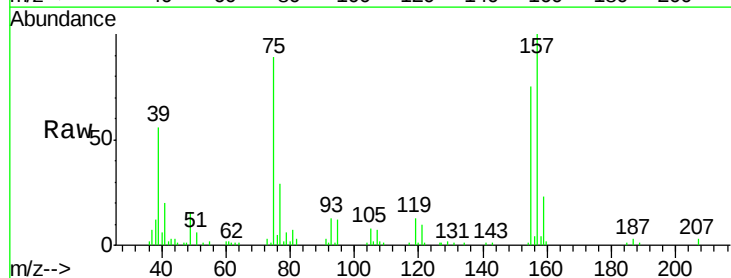
Manual Integrations
 APPROVED

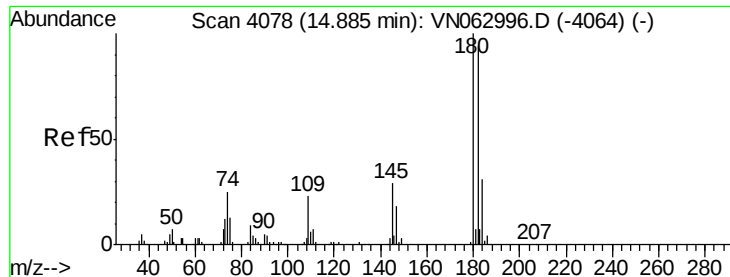
MMDadoda
 8/26/2020 11:26:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.697 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.0	42.4	127.1
157	112.9	55.2	165.6





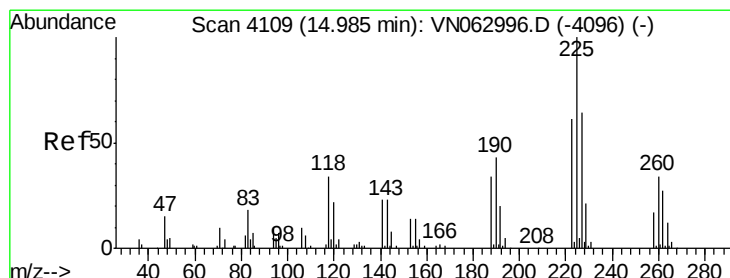
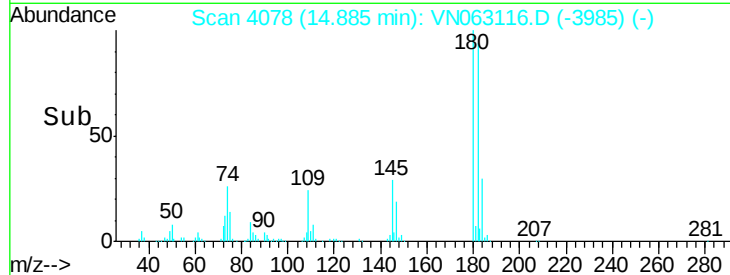
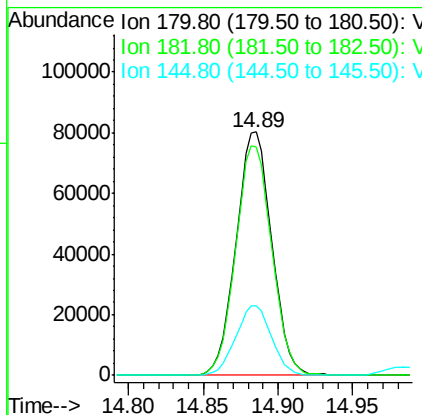
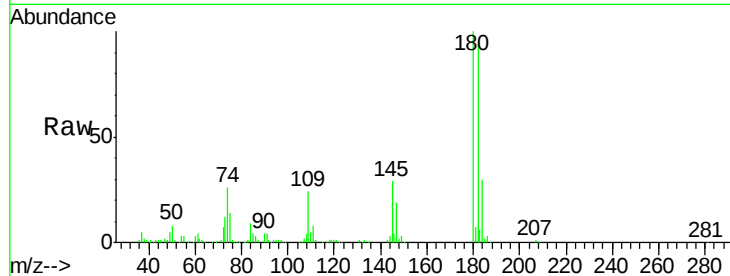
#93
 1,2,4-Trichlorobenzene
 Concen: 59.302 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180	Resp:	133234
Ion Ratio	Lower	Upper
180 100		
182 95.5	47.0	141.2
145 28.7	14.1	42.4

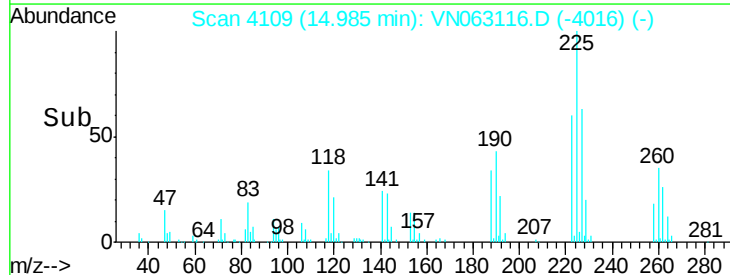
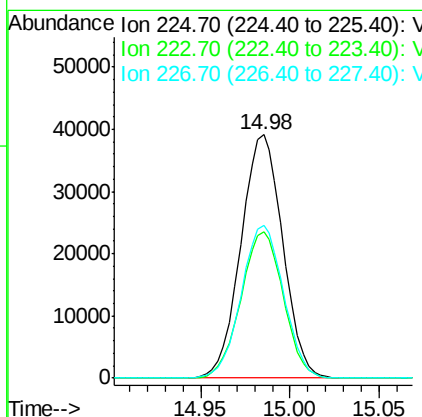
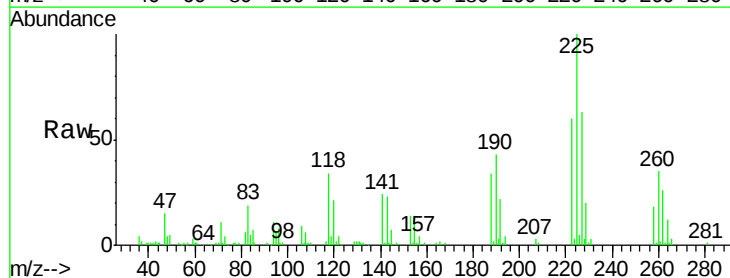
Manual Integrations
 APPROVED

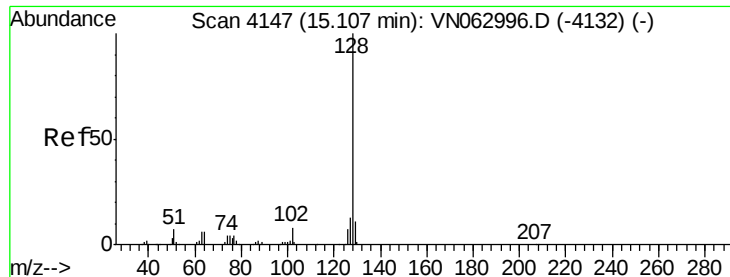
MMDadoda
 8/26/2020 11:26:49 AM



#94
 Hexachlorobutadiene
 Concen: 43.529 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion:225	Resp:	64188
Ion Ratio	Lower	Upper
225 100		
223 60.6	30.9	92.5
227 63.4	31.9	95.9





#95

Naphthalene

Concen: 73.464 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

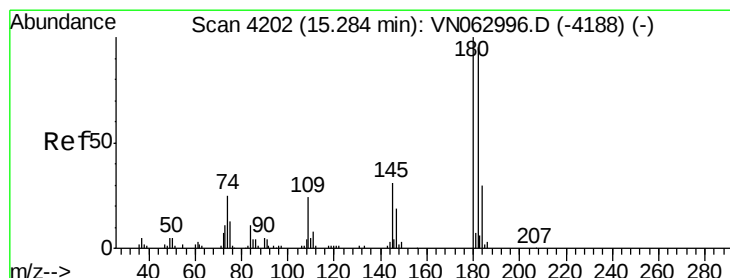
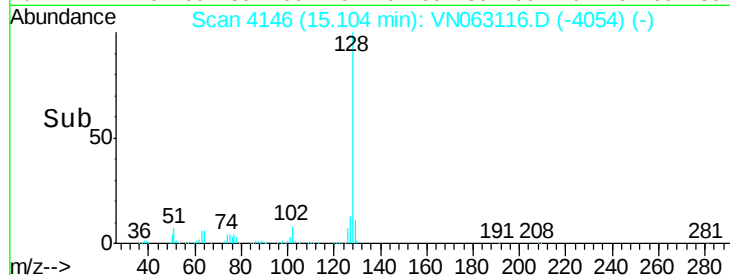
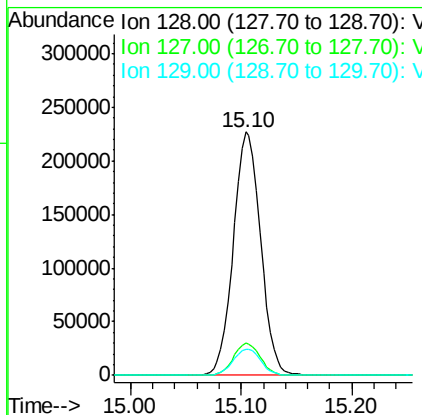
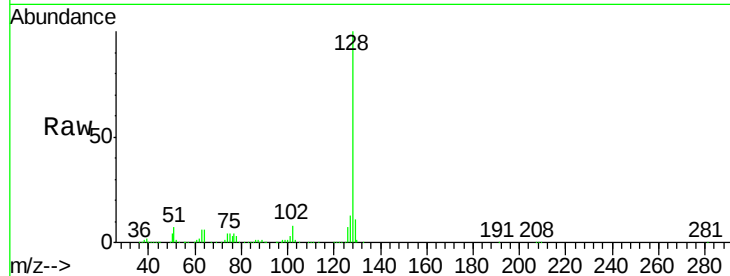
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	389313
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/26/2020 11:26:49 AM



#96

1,2,3-Trichlorobenzene

Concen: 58.976 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Tgt Ion:	180	Resp:	129563
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.3	141.9
145	30.0	15.6	46.7

