

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\
 Data File : VN064367.D
 Acq On : 29 Oct 2020 12:31
 Operator : JC/MD
 Sample : VN1029WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2020 1:35:29 PM

Quant Time: Oct 30 06:42:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	282204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	460907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	417297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	188561	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	219667	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
35) Dibromofluoromethane	7.55	113	159320	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
50) Toluene-d8	10.06	98	554964	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.37	95	218492	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	58350	17.987	ug/l	95
3) Chloromethane	2.04	50	57916	16.516	ug/l	99
4) Vinyl Chloride	2.16	62	60532	17.846	ug/l	93
5) Bromomethane	2.53	94	36387	16.602	ug/l	91
6) Chloroethane	2.67	64	38162	18.829	ug/l	96
7) Trichlorofluoromethane	2.98	101	108039	19.013	ug/l	97
8) Diethyl Ether	3.37	74	33215	18.478	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	51992	18.205	ug/l	96
10) Methyl Iodide	3.91	142	55787	14.638	ug/l	100
11) Tert butyl alcohol	4.73	59	57146	86.805	ug/l #	87
12) 1,1-Dichloroethene	3.69	96	50963	18.902	ug/l	96
13) Acrolein	3.57	56	9340	78.434	ug/l	95
14) Allyl chloride	4.27	41	92673	16.834	ug/l	94
15) Acrylonitrile	4.93	53	132399	93.521	ug/l	99
16) Acetone	3.77	43	140125	85.807	ug/l	97
17) Carbon Disulfide	4.01	76	135758	17.019	ug/l	97
18) Methyl Acetate	4.27	43	61623	18.089	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	195150	18.838	ug/l	100
20) Methylene Chloride	4.51	84	60781	18.898	ug/l	92
21) trans-1,2-Dichloroethene	4.99	96	54458	18.106	ug/l	95
22) Diisopropyl ether	5.90	45	197541	18.358	ug/l	97
23) Vinyl Acetate	5.84	43	863038	94.802	ug/l	98
24) 1,1-Dichloroethane	5.79	63	112605	18.701	ug/l	98
25) 2-Butanone	6.78	43	199560	87.641	ug/l	100
26) 2,2-Dichloropropane	6.77	77	104169	17.677	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	63701	18.507	ug/l	96
28) Bromochloromethane	7.15	49	50421	17.576	ug/l	96
29) Tetrahydrofuran	7.17	42	126979	85.899	ug/l	98
30) Chloroform	7.33	83	117716	18.316	ug/l	98
31) Cyclohexane	7.61	56	87174	16.563	ug/l #	94
32) 1,1,1-Trichloroethane	7.52	97	112793	18.276	ug/l	98
36) 1,1-Dichloropropene	7.75	75	85635	18.410	ug/l	99
37) Ethyl Acetate	6.87	43	79170	16.850	ug/l	98
38) Carbon Tetrachloride	7.73	117	103371	19.168	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\
 Data File : VN064367.D
 Acq On : 29 Oct 2020 12:31
 Operator : JC/MD
 Sample : VN1029WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1029WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2020 1:35:29 PM

Quant Time: Oct 30 06:42:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	70023	15.182	ug/l	98
40) Benzene	8.00	78	235647	18.200	ug/l	99
41) Methacrylonitrile	7.12	41	35117	15.056	ug/l	88
42) 1,2-Dichloroethane	8.08	62	103494	18.504	ug/l	99
43) Isopropyl Acetate	8.12	43	149723	18.641	ug/l #	92
44) Trichloroethene	8.80	130	63082	18.598	ug/l	89
45) 1,2-Dichloropropane	9.08	63	63901	18.430	ug/l	100
46) Dibromomethane	9.17	93	43968	18.127	ug/l	93
47) Bromodichloromethane	9.37	83	96072	17.872	ug/l	97
48) Methyl methacrylate	9.16	41	74652	18.015	ug/l	97
49) 1,4-Dioxane	9.16	88	18741	306.832	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	424517	90.926	ug/l	99
52) Toluene	10.12	92	150896	18.469	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	104142	18.322	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	108959	18.622	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	59684	18.506	ug/l	99
56) Ethyl methacrylate	10.40	69	89166	18.264	ug/l	97
57) 1,3-Dichloropropane	10.68	76	104145	18.930	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	228299	85.694	ug/l	100
59) 2-Hexanone	10.72	43	313789	91.256	ug/l	98
60) Dibromochloromethane	10.87	129	73114	19.174	ug/l	98
61) 1,2-Dibromoethane	10.98	107	62231	18.937	ug/l	98
64) Tetrachloroethene	10.60	164	61223	17.851	ug/l	96
65) Chlorobenzene	11.41	112	164631	19.460	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	65379	19.120	ug/l	96
67) Ethyl Benzene	11.48	91	285013	18.121	ug/l	95
68) m/p-Xylenes	11.59	106	211117	36.220	ug/l	98
69) o-Xylene	11.92	106	105144	18.724	ug/l	95
70) Styrene	11.94	104	171014	18.574	ug/l	97
71) Bromoform	12.10	173	50111	18.672	ug/l #	97
73) Isopropylbenzene	12.22	105	267539	18.944	ug/l	100
74) N-amyl acetate	12.04	43	122809	19.756	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	79378	19.336	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	78360m	17.353	ug/l	
77) Bromobenzene	12.50	156	70067	20.261	ug/l	97
78) n-propylbenzene	12.56	91	295537	18.484	ug/l	100
79) 2-Chlorotoluene	12.65	91	197088	19.283	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	219982	18.409	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	28967	18.478	ug/l	96
82) 4-Chlorotoluene	12.75	91	204240	19.615	ug/l	99
83) tert-Butylbenzene	12.96	119	168109	17.144	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	227194	19.027	ug/l	100
85) sec-Butylbenzene	13.14	105	212406	16.739	ug/l	100
86) p-Isopropyltoluene	13.26	119	199204	17.425	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	112937	18.655	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	115231	18.688	ug/l	99
89) n-Butylbenzene	13.59	91	159194	15.807	ug/l	98
90) Hexachloroethane	13.85	117	36992	17.230	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	113352	18.833	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19333	18.980	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\
Data File : VN064367.D
Acq On : 29 Oct 2020 12:31
Operator : JC/MD
Sample : VN1029WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

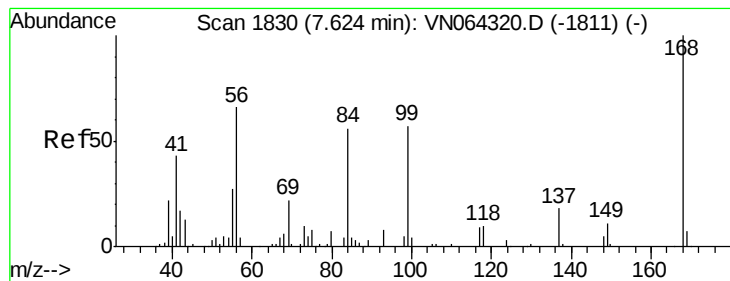
Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:29 PM

Quant Time: Oct 30 06:42:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 12:23:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	52831	16.674	ug/l	99
94) Hexachlorobutadiene	14.98	225	24983	13.526	ug/l	98
95) Naphthalene	15.10	128	169675	17.548	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	51118	16.843	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion:168 Resp: 282204

Ion Ratio Lower Upper

168 100

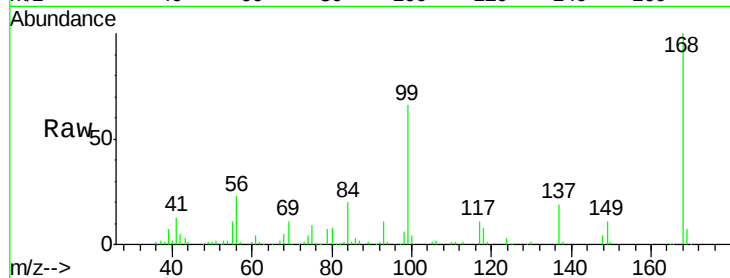
99 65.4 52.7 79.1

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:35:29 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

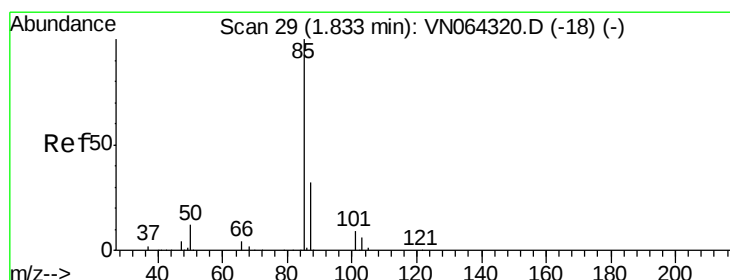
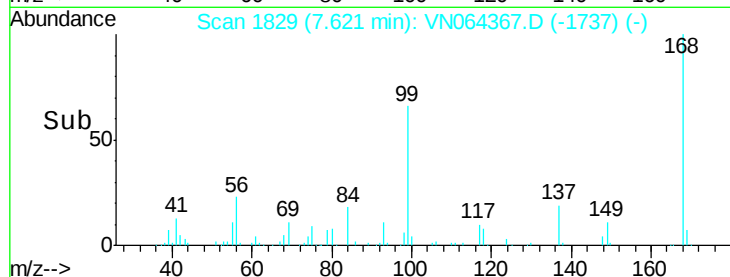
7.62

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 17.987 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064367.D

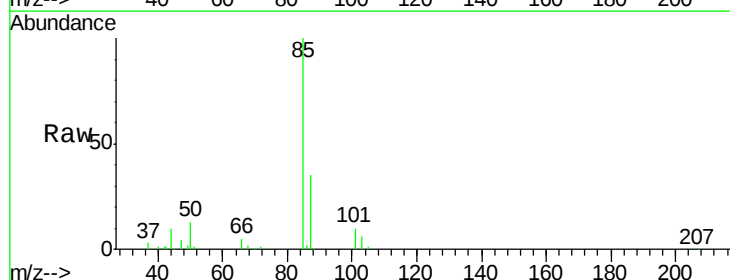
Acq: 29 Oct 2020 12:31

Tgt Ion: 85 Resp: 58350

Ion Ratio Lower Upper

85 100

87 34.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

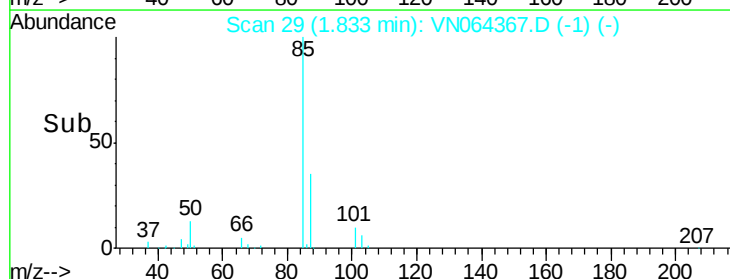
30000

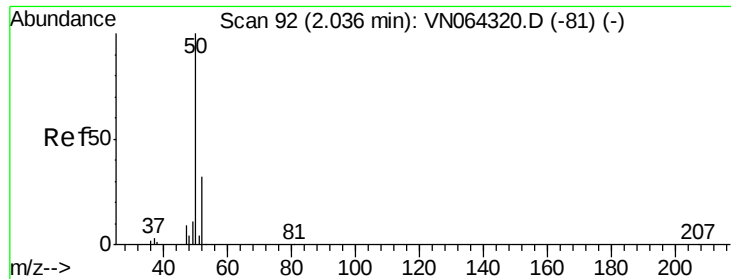
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 16.516 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 50 Resp: 57916

Ion Ratio Lower Upper

50 100

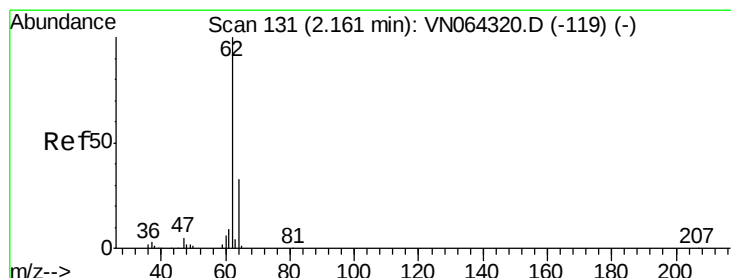
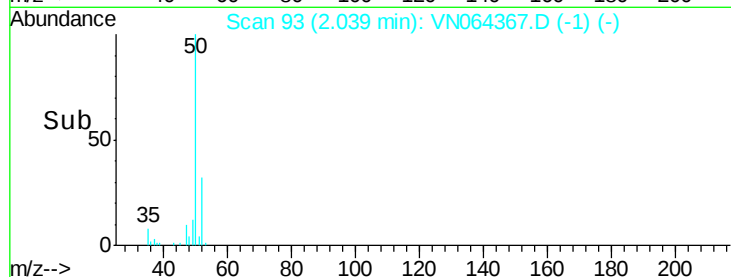
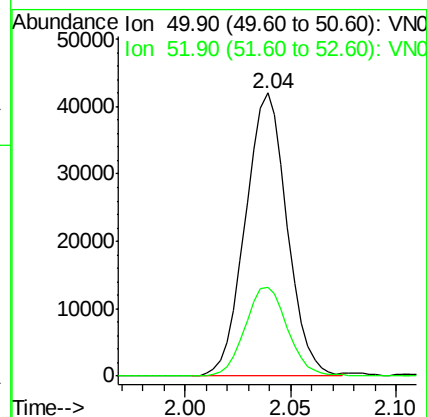
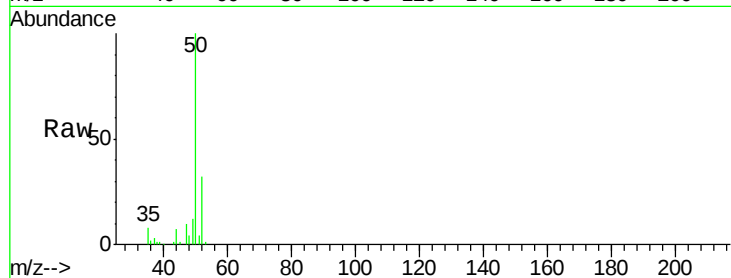
52 31.5 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:35:29 PM



#4

Vinyl Chloride

Concen: 17.846 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064367.D

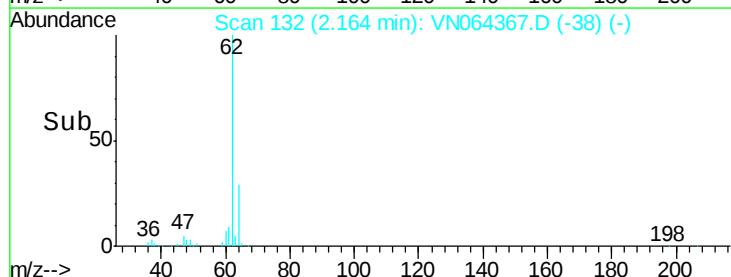
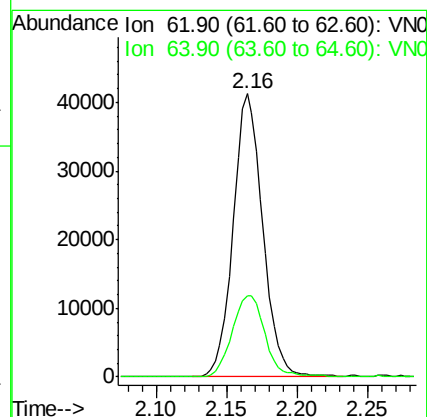
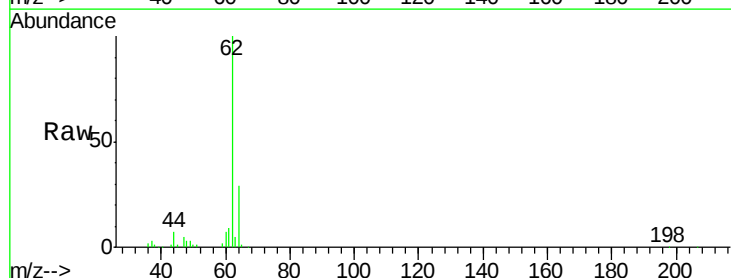
Acq: 29 Oct 2020 12:31

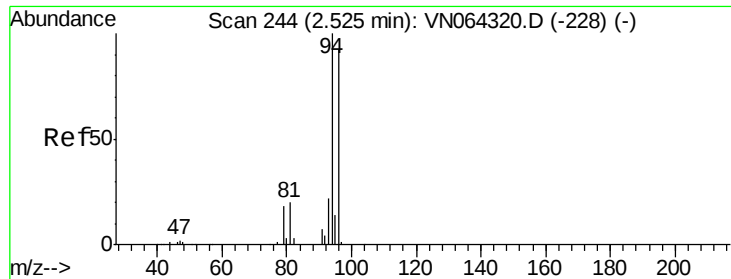
Tgt Ion: 62 Resp: 60532

Ion Ratio Lower Upper

62 100

64 28.6 26.2 39.4





#5

Bromomethane

Concen: 16.602 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 94 Resp: 36387

Ion Ratio Lower Upper

94 100

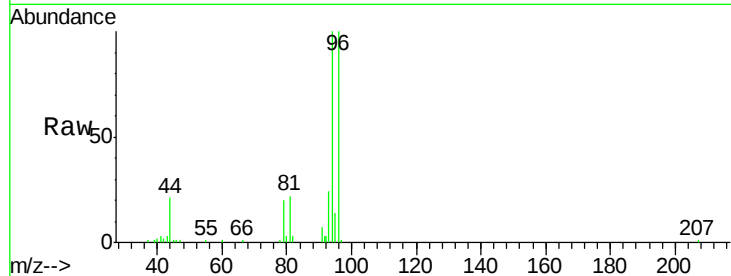
96 100.4 73.6 110.4

Manual Integrations

APPROVED

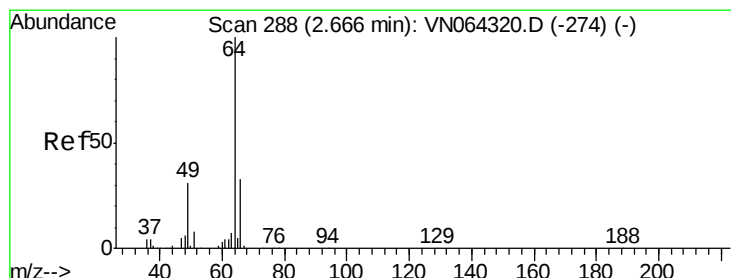
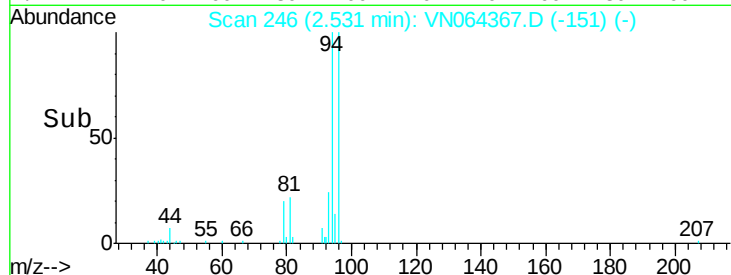
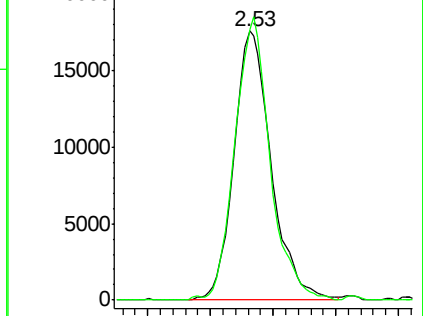
MMDadoda

10/30/2020 1:35:29 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.829 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN064367.D

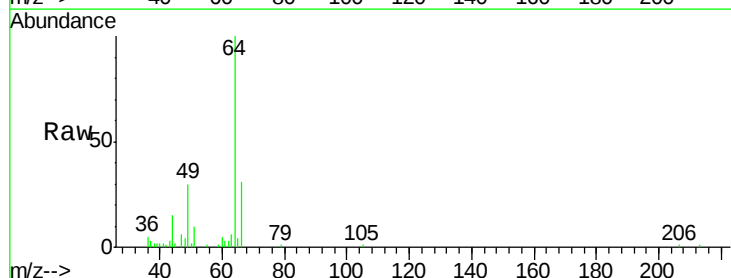
Acq: 29 Oct 2020 12:31

Tgt Ion: 64 Resp: 38162

Ion Ratio Lower Upper

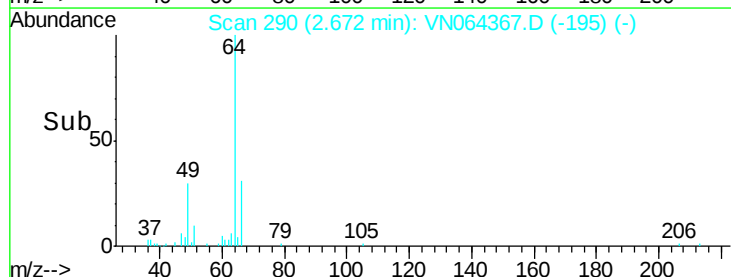
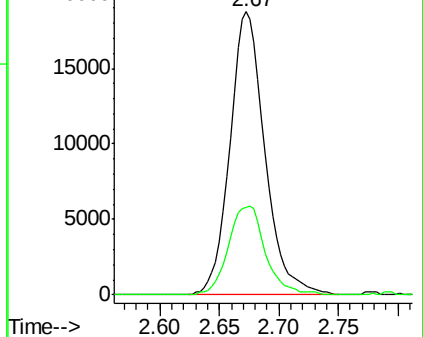
64 100

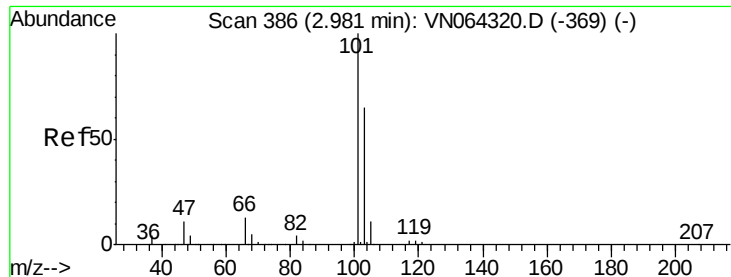
66 30.7 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

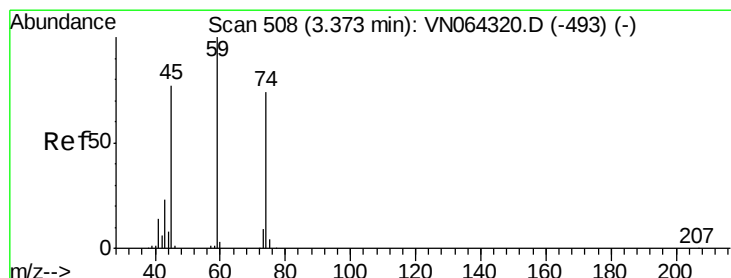
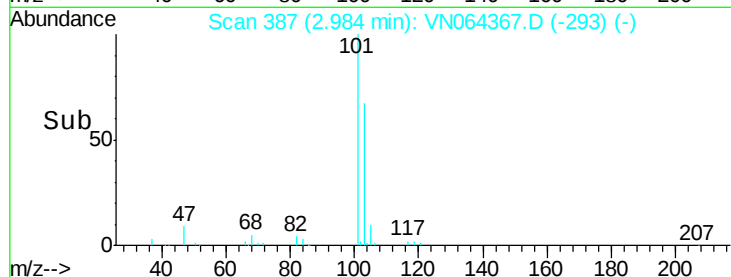
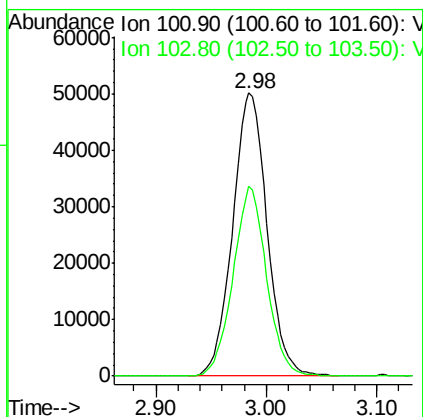
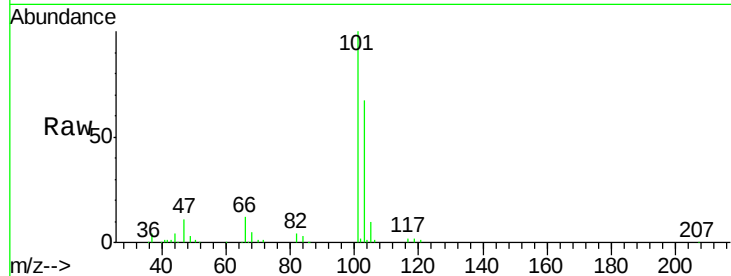
Trichlorofluoromethane
Concen: 19.013 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		108039		
103	67.0	51.7		77.5	

Manual Integrations
APPROVED

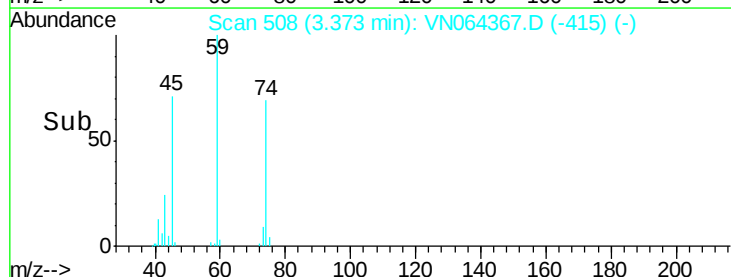
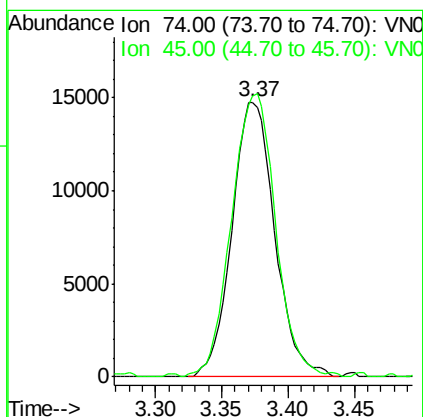
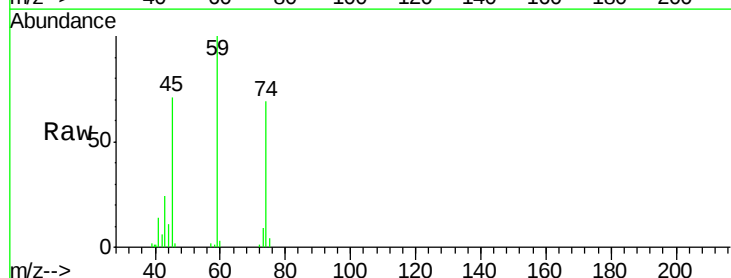
MMDadoda
10/30/2020 1:35:29 PM

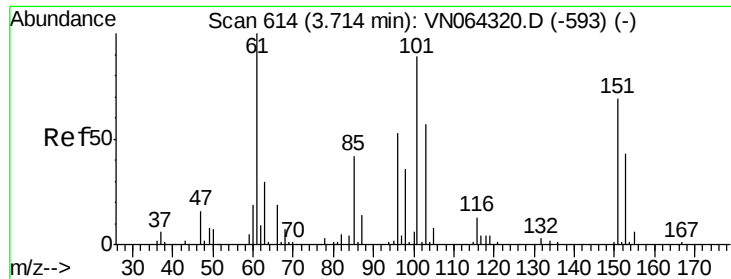


#8

Diethyl Ether
Concen: 18.478 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		33215		
45	106.1	51.3		154.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.205 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

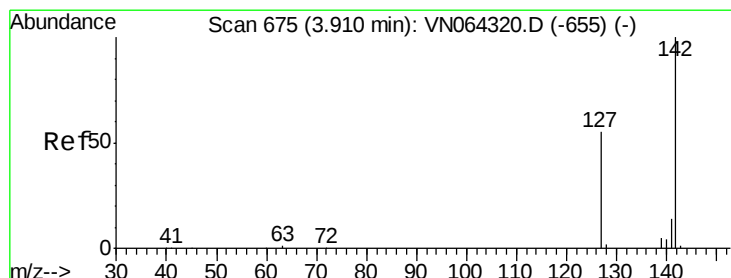
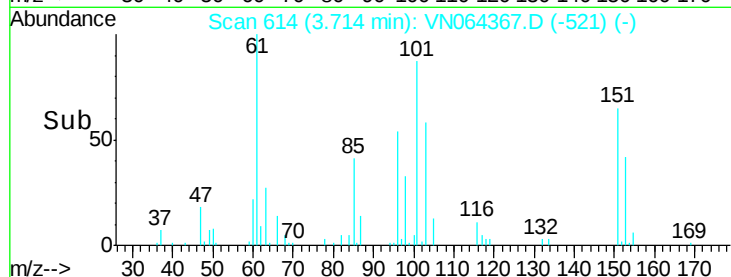
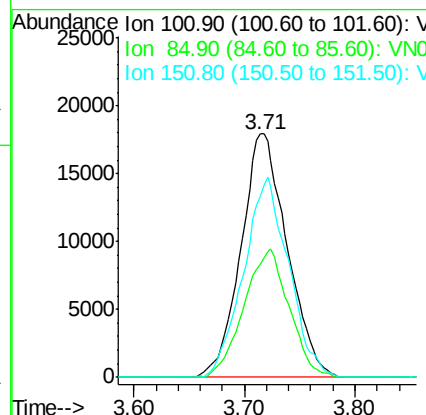
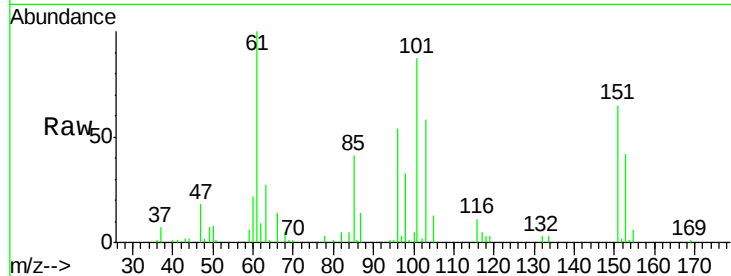
ClientSampleId :

VN1029WBS01

Tot Ion:	101	Resp:	51992
Ion Ratio	Lower	Upper	
101	100		
85	51.3	38.4	57.6
151	80.2	62.0	93.0

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:29 PM



#10

Methyl Iodide

Concen: 14.638 ug/l

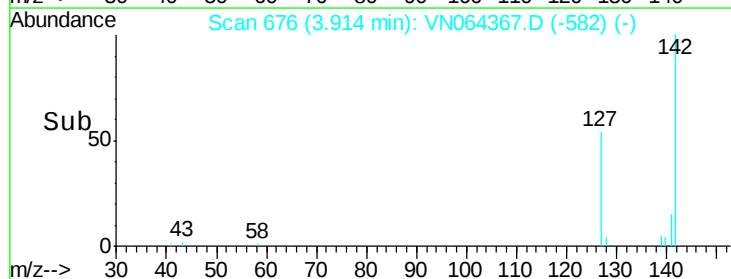
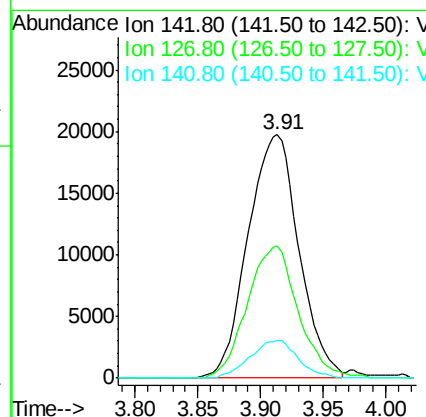
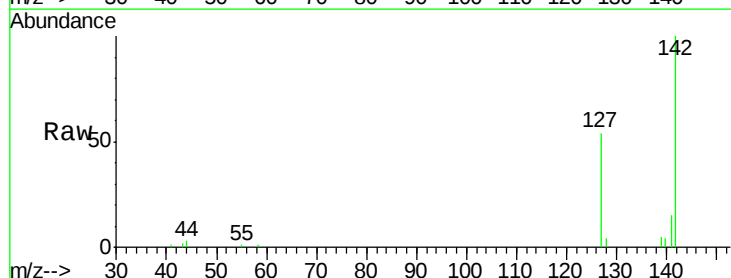
RT: 3.91 min Scan# 676

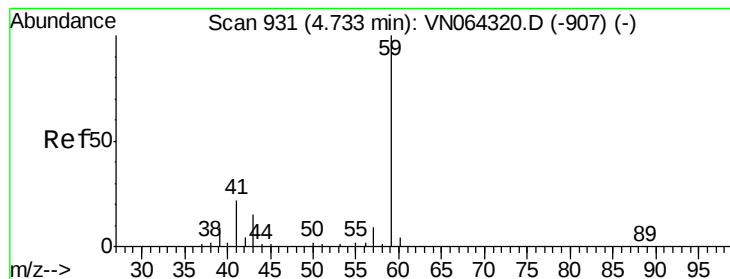
Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Tgt Ion:	142	Resp:	55787
Ion Ratio	Lower	Upper	
142	100		
127	54.3	43.3	64.9
141	14.5	11.5	17.3





#11

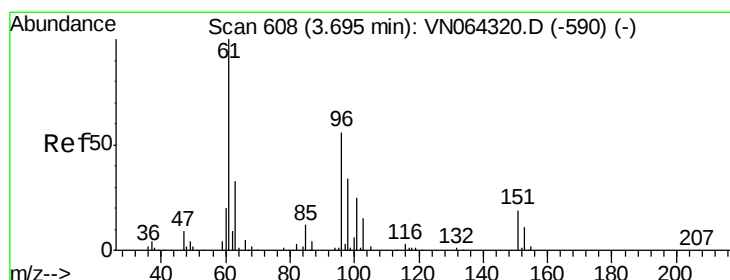
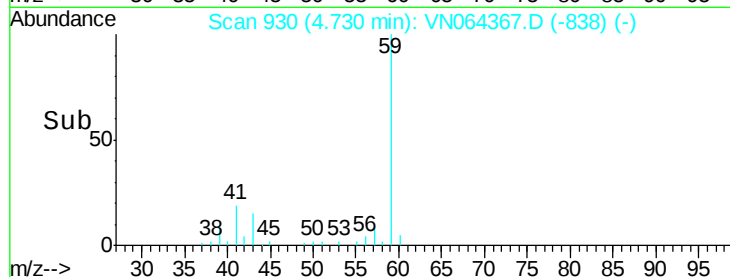
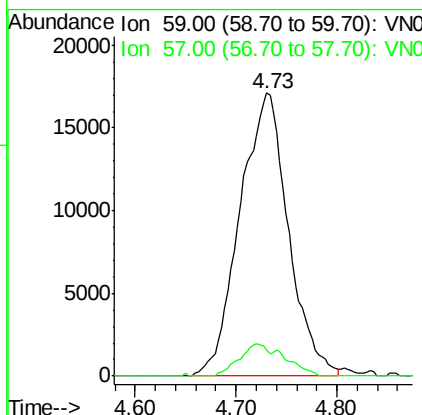
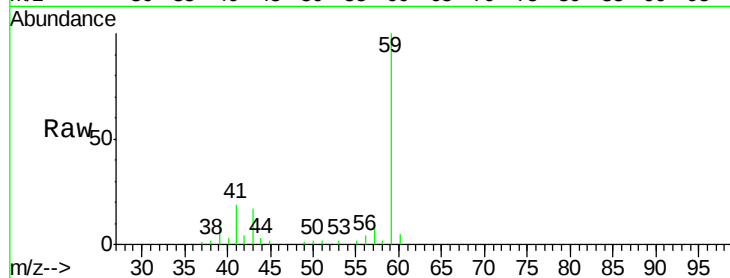
Tert butyl alcohol
 Concen: 86.805 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.7	9.4	14.0#

Manual Integrations
 APPROVED

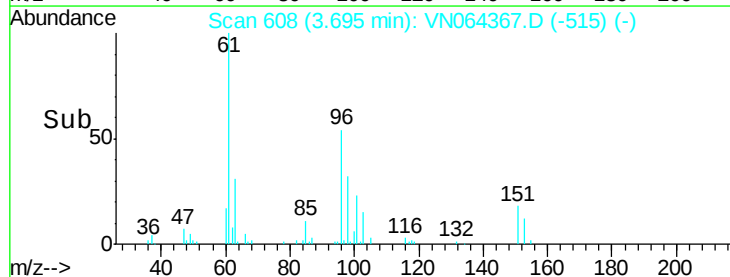
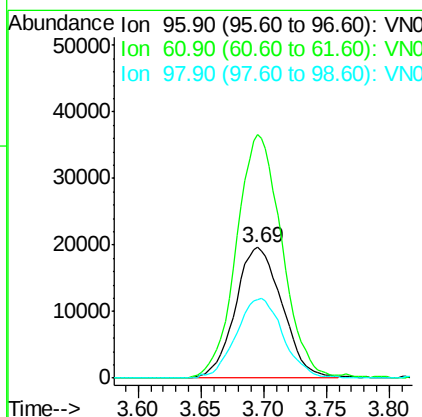
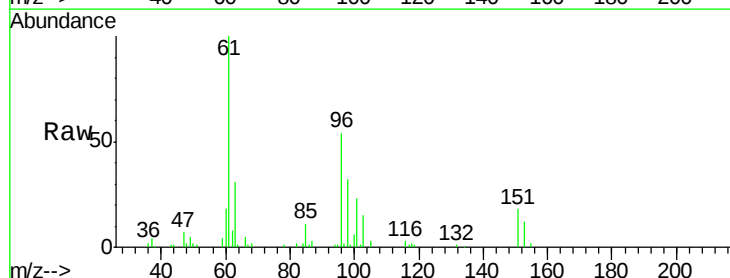
MMDadoda
 10/30/2020 1:35:29 PM

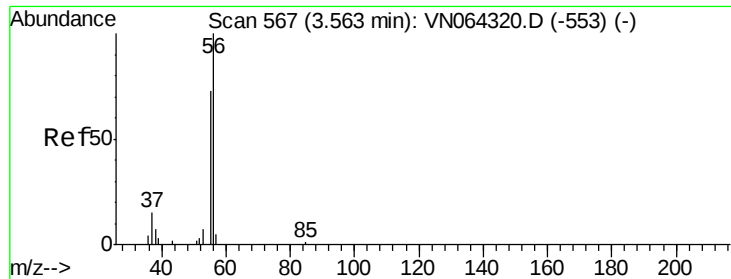


#12

1,1-Dichloroethene
 Concen: 18.902 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.1	143.6	215.4
98	60.0	48.6	73.0





#13

Acrolein

Concen: 78.434 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.01 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 56 Resp: 9340

Ion Ratio Lower Upper

56 100

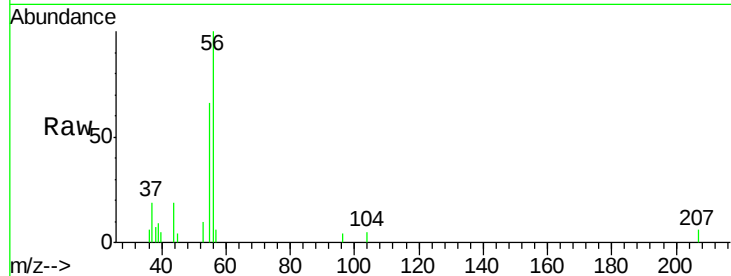
55 73.5 62.6 94.0

Manual Integrations

APPROVED

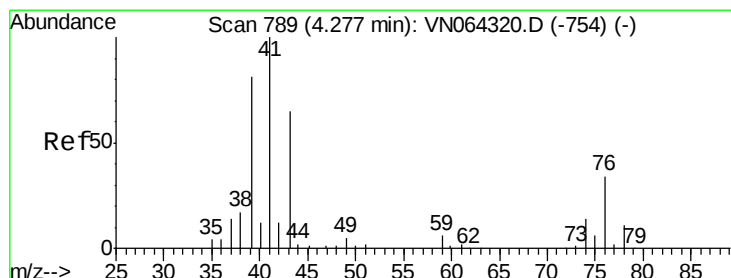
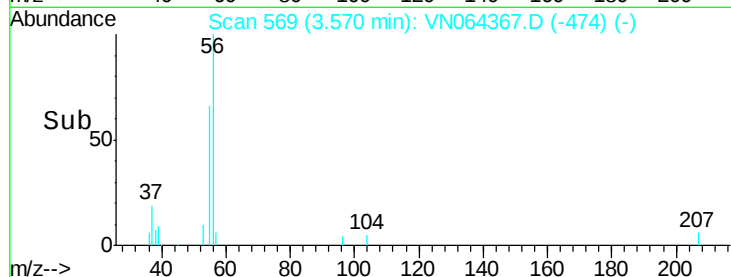
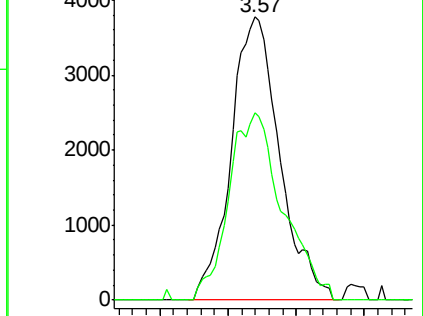
MMDadoda

10/30/2020 1:35:29 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.834 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

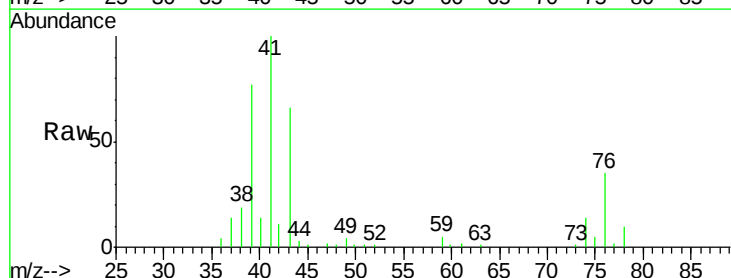
Tgt Ion: 41 Resp: 92673

Ion Ratio Lower Upper

41 100

39 81.3 61.7 92.5

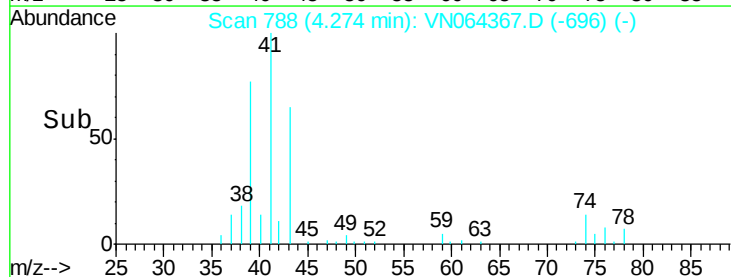
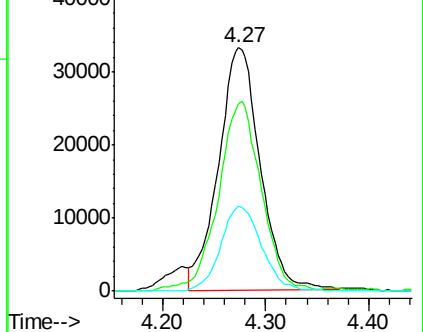
76 34.4 24.0 36.0

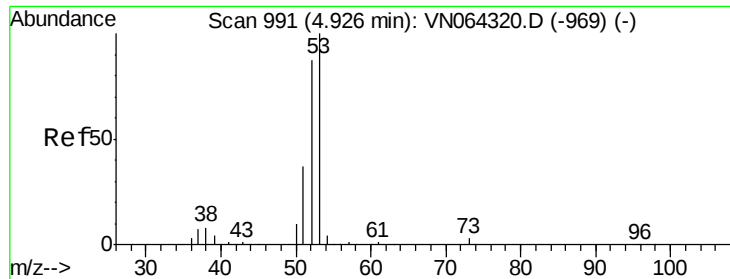


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 93.521 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

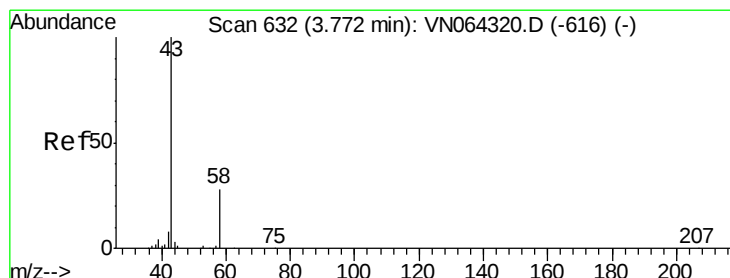
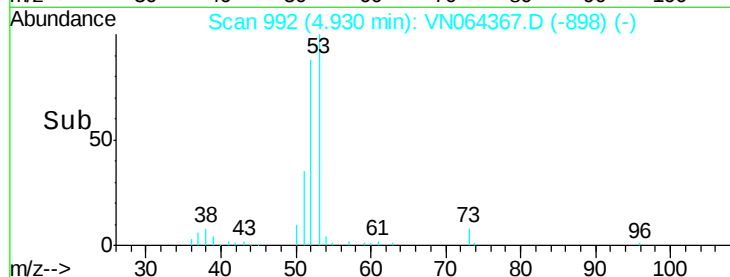
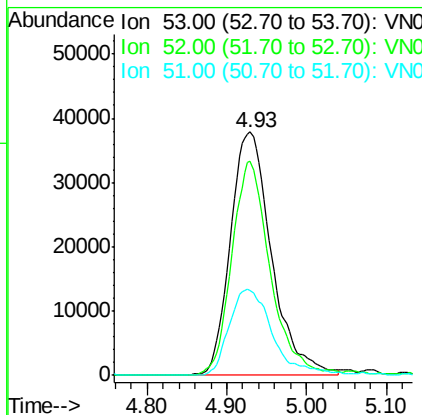
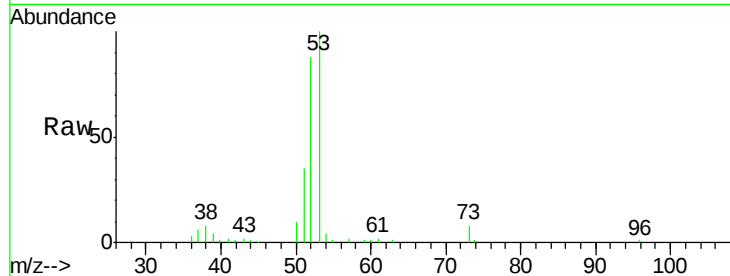
ClientSampleId :

VN1029WBS01

Tot Ion:	53	Resp:	132399
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.9	98.9
51	37.3	30.4	45.6

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:29 PM



#16

Acetone

Concen: 85.807 ug/l

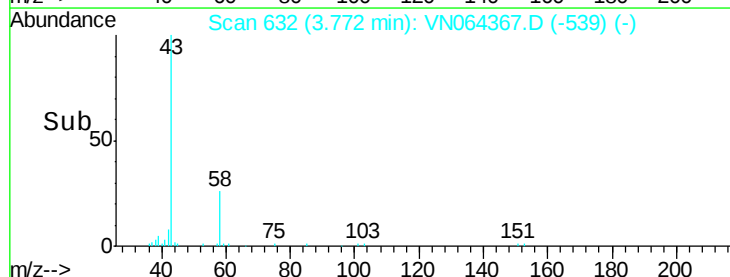
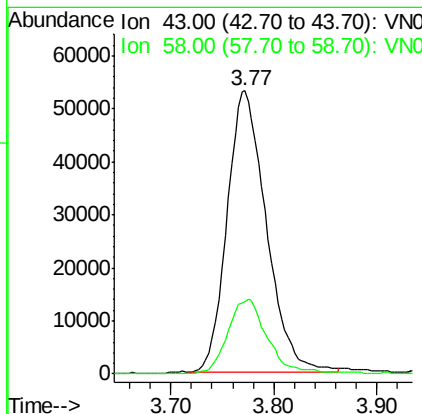
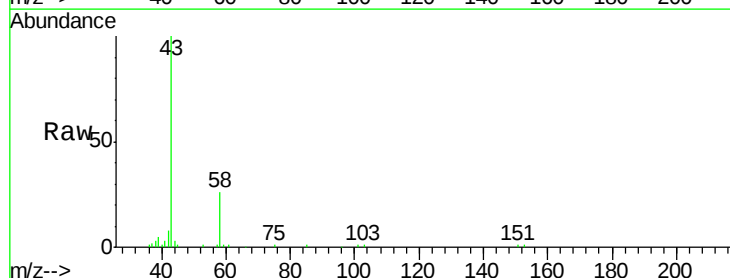
RT: 3.77 min Scan# 632

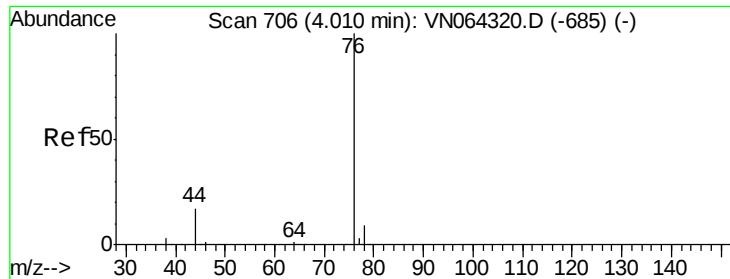
Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Tgt Ion:	43	Resp:	140125
Ion	Ratio	Lower	Upper
43	100		
58	25.8	22.1	33.1





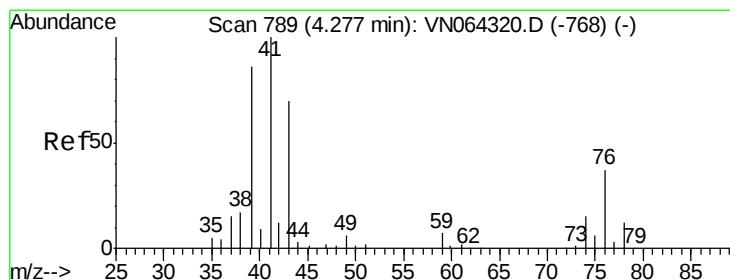
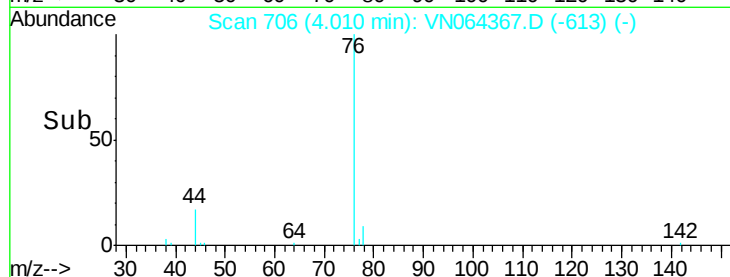
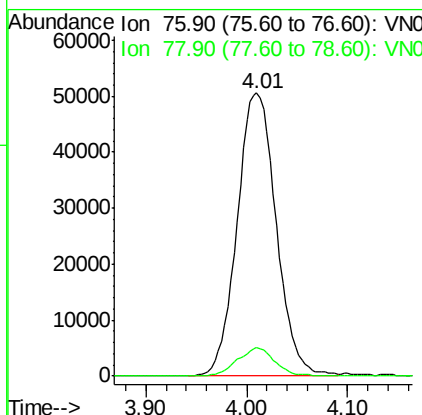
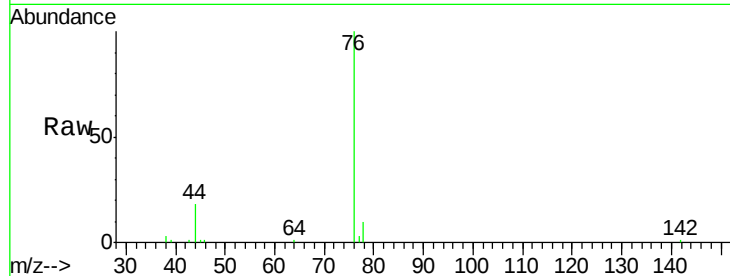
#17
Carbon Disulfide
Concen: 17.019 ug/l
RT: 4.01 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.3	10.9

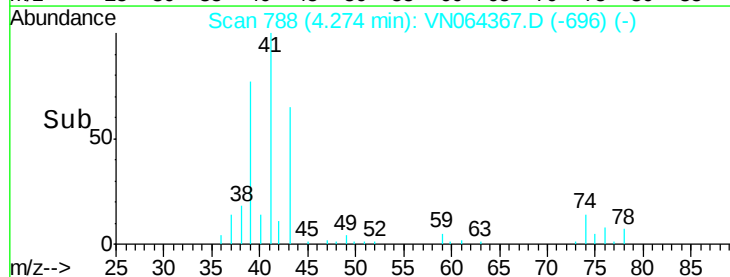
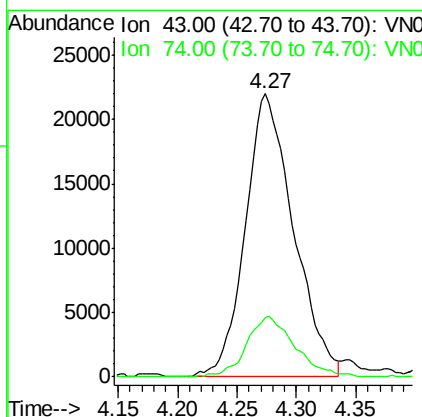
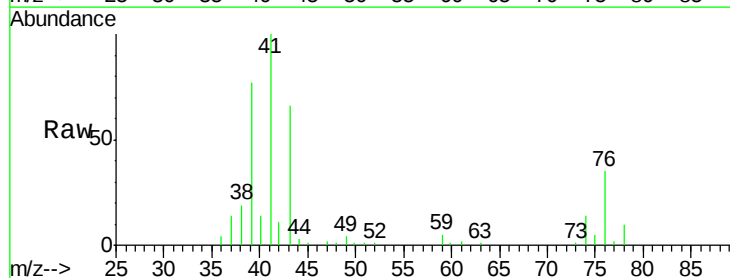
Manual Integrations
APPROVED

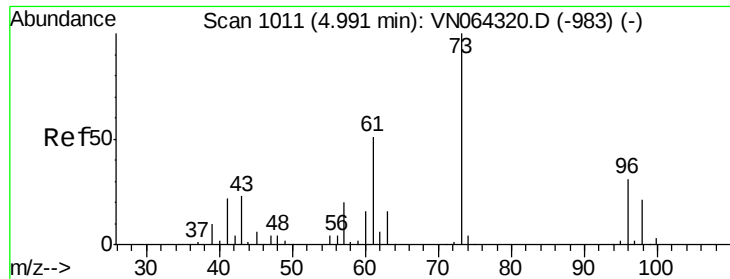
MMDadoda
10/30/2020 1:35:29 PM



#18
Methyl Acetate
Concen: 18.089 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	16.7	25.1





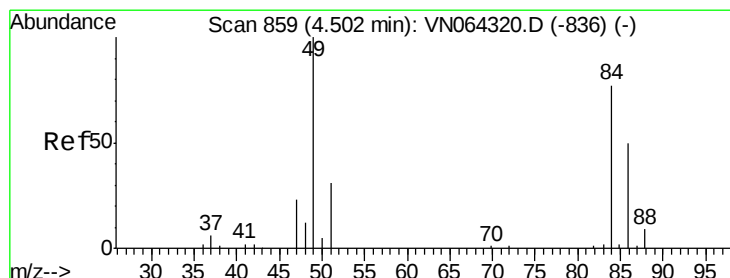
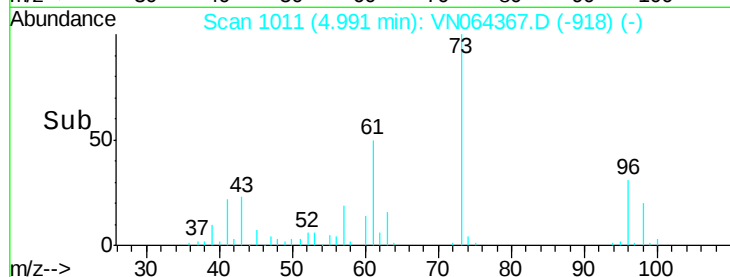
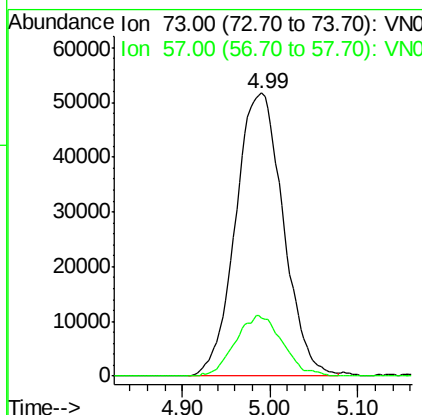
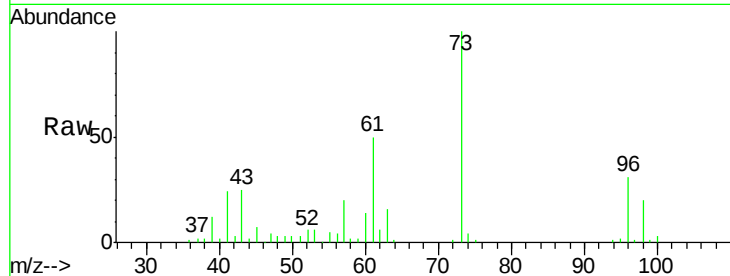
#19
Methyl tert-butyl Ether
Concen: 18.838 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	73	Resp	195150
Ion Ratio	100	Lower	Upper
57	20.3	16.1	24.1

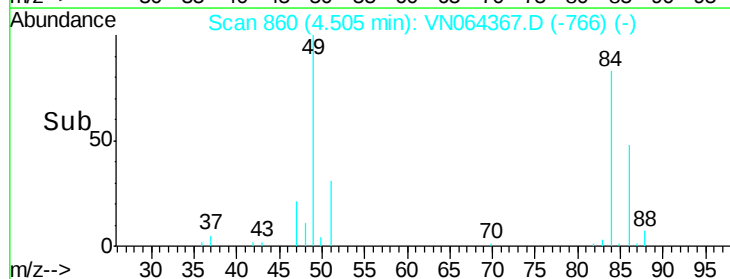
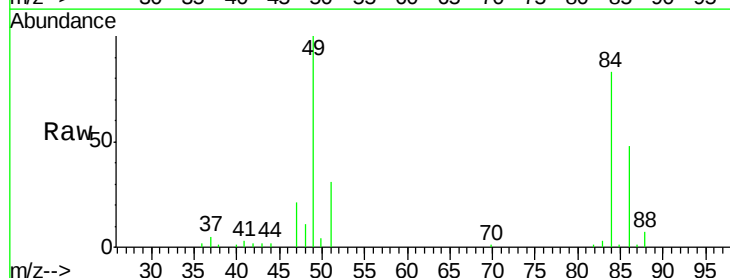
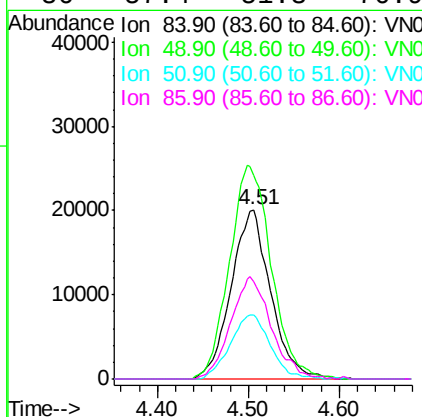
Manual Integrations
APPROVED

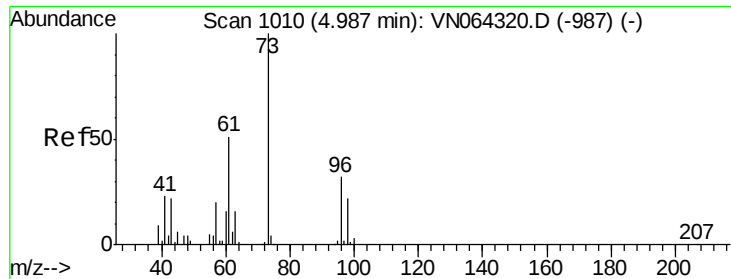
MMDadoda
10/30/2020 1:35:29 PM



#20
Methylene Chloride
Concen: 18.898 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion	84	Resp	60781
Ion Ratio	100	Lower	Upper
49	120.0	103.6	155.4
51	37.4	31.8	47.8
86	57.4	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 18.106 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 96 Resp: 54458

Ion Ratio Lower Upper

96 100

61 157.1 128.2 192.2

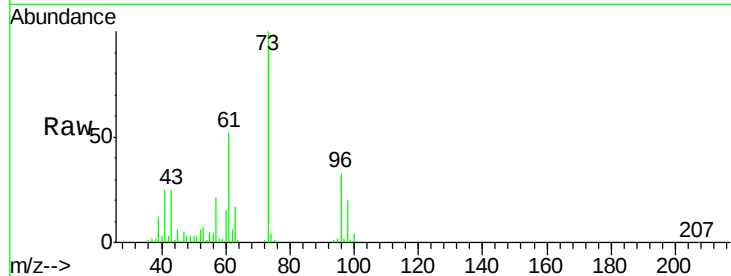
98 60.8 56.1 84.1

Manual Integrations

APPROVED

MMDadoda

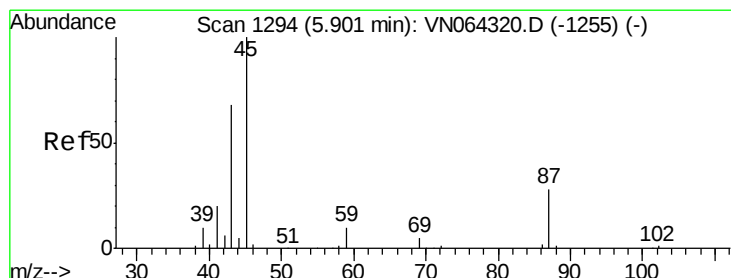
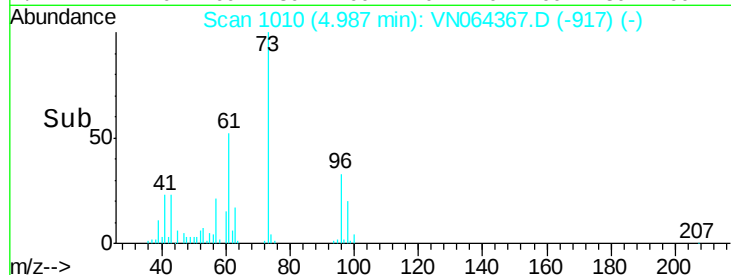
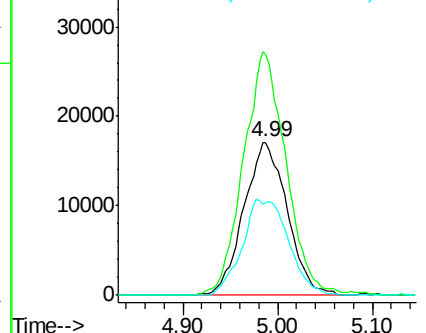
10/30/2020 1:35:29 PM



Abundance Ion 95.90 (95.60 to 96.60): VN064367.D (-917) (-)

Ion 60.90 (60.60 to 61.60): VN064367.D (-917) (-)

Ion 97.90 (97.60 to 98.60): VN064367.D (-917) (-)



#22

Diisopropyl ether

Concen: 18.358 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Tgt Ion: 45 Resp: 197541

Ion Ratio Lower Upper

45 100

43 65.7 54.6 82.0

87 25.8 22.6 33.8

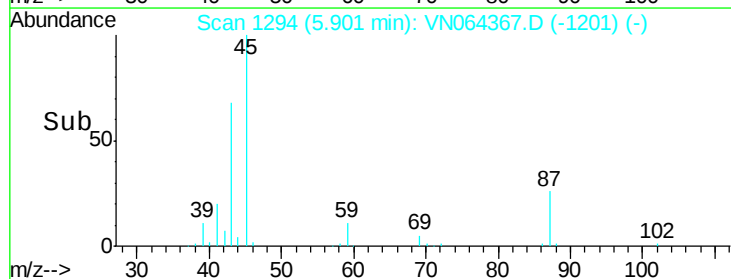
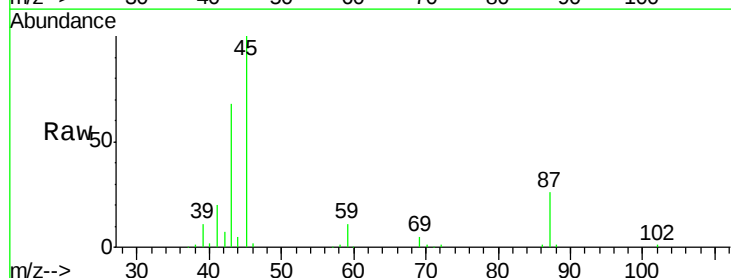
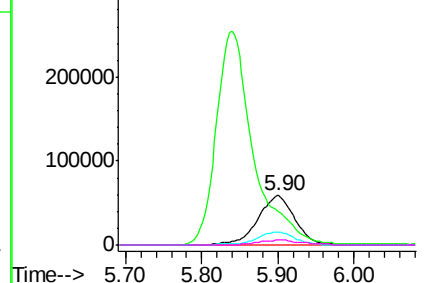
59 11.2 8.6 12.8

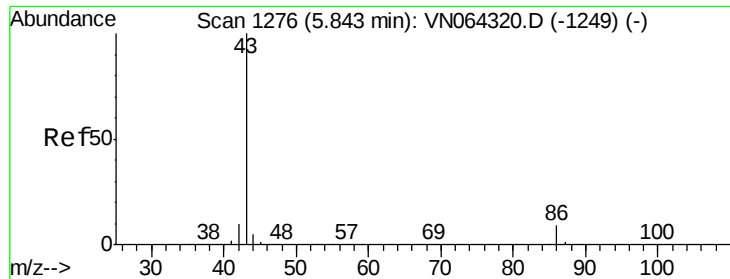
Abundance Ion 45.00 (44.70 to 45.70): VN064367.D (-1201) (-)

Ion 43.00 (42.70 to 43.70): VN064367.D (-1201) (-)

Ion 87.00 (86.70 to 87.70): VN064367.D (-1201) (-)

Ion 59.00 (58.70 to 59.70): VN064367.D (-1201) (-)





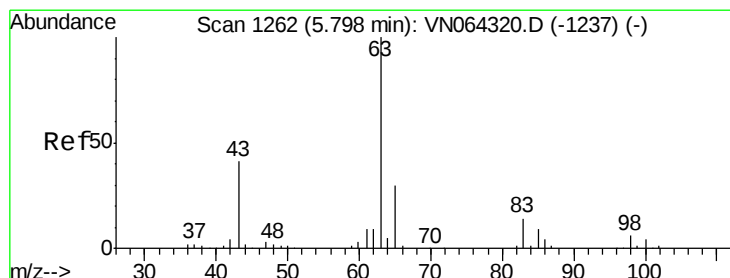
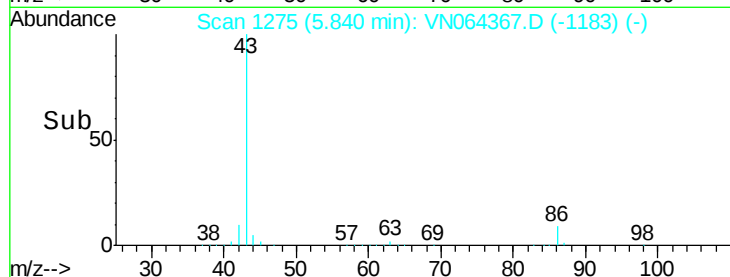
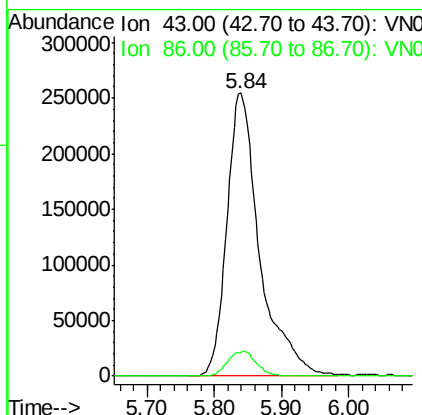
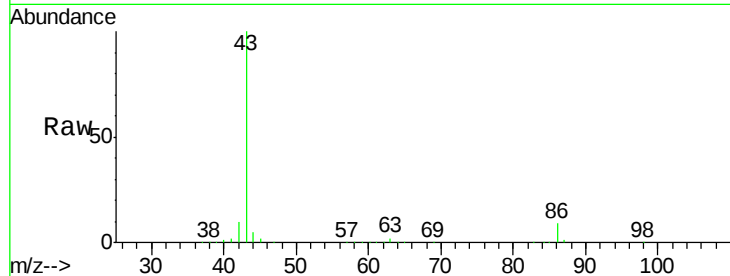
#23
 Vinyl Acetate
 Concen: 94.802 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	8.5	7.3	10.9

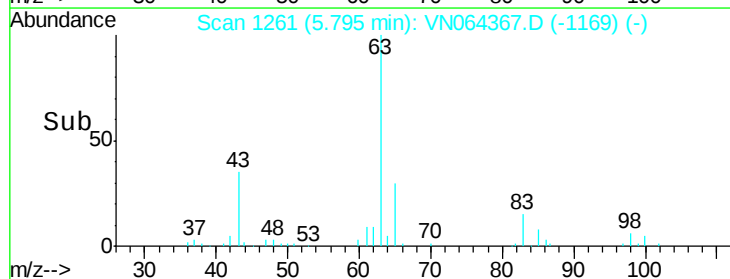
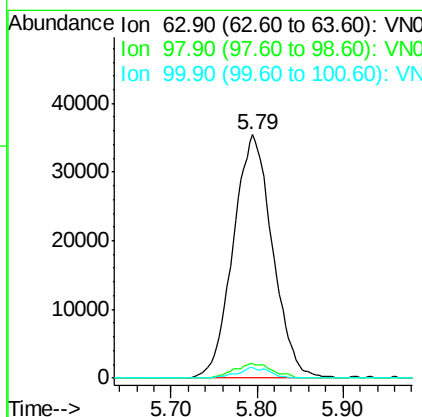
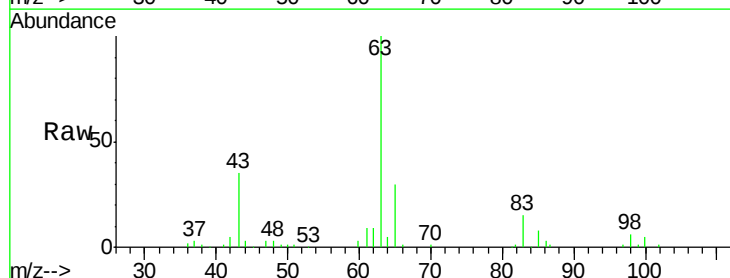
Manual Integrations
 APPROVED

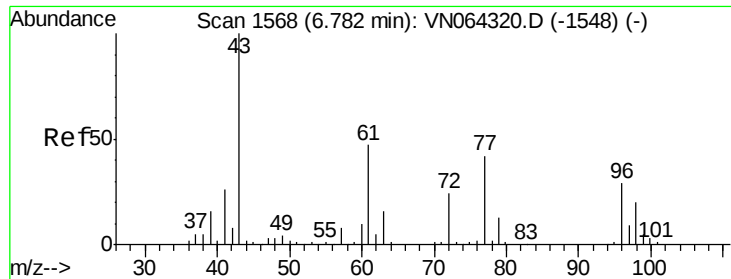
MMDadoda
 10/30/2020 1:35:29 PM



#24
 1,1-Dichloroethane
 Concen: 18.701 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.1	9.4
100	4.5	2.0	5.8





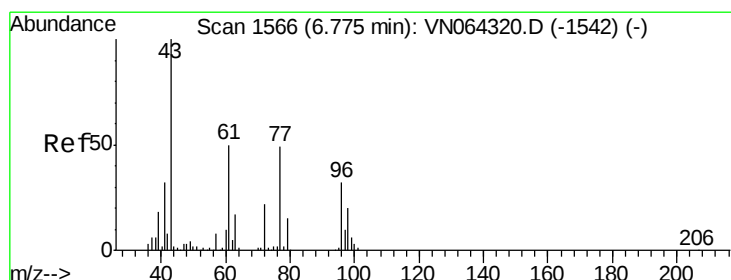
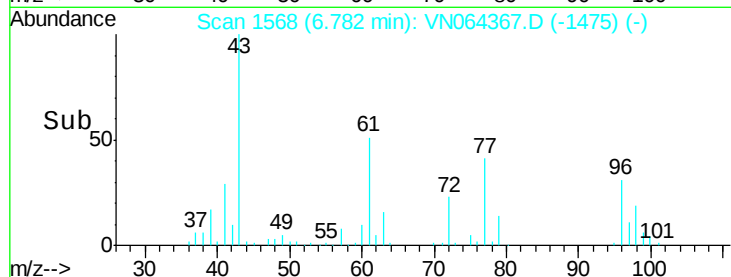
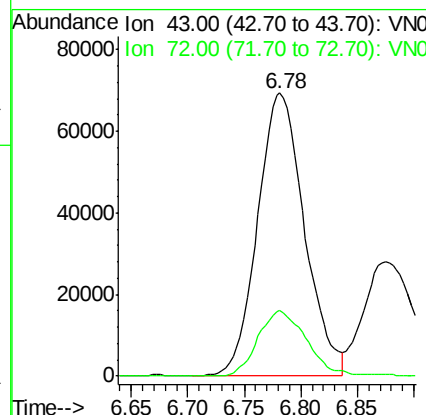
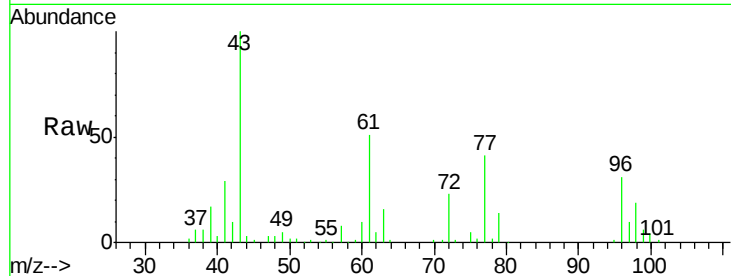
#25
2-Butanone
Concen: 87.641 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion: 43 Resp: 199560
Ion Ratio Lower Upper
43 100
72 23.3 18.8 28.2

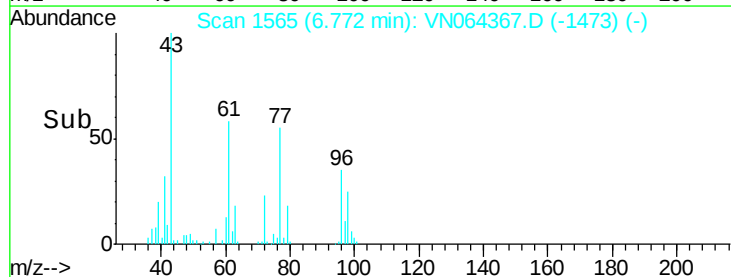
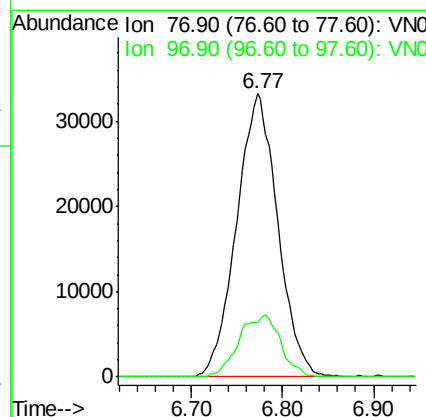
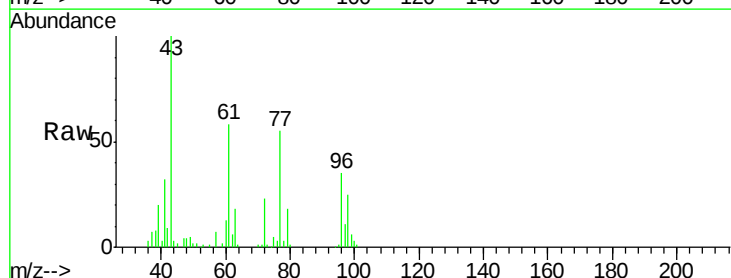
Manual Integrations
APPROVED

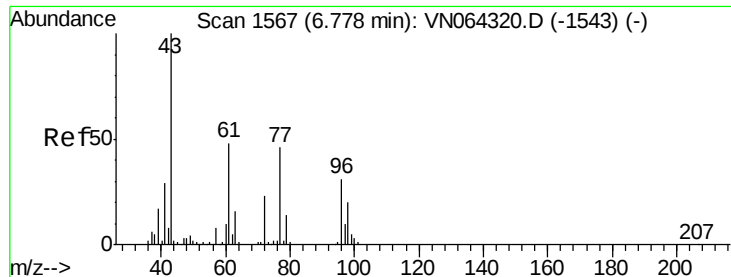
MMDadoda
10/30/2020 1:35:29 PM



#26
2,2-Dichloropropane
Concen: 17.677 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion: 77 Resp: 104169
Ion Ratio Lower Upper
77 100
97 22.0 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 18.507 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

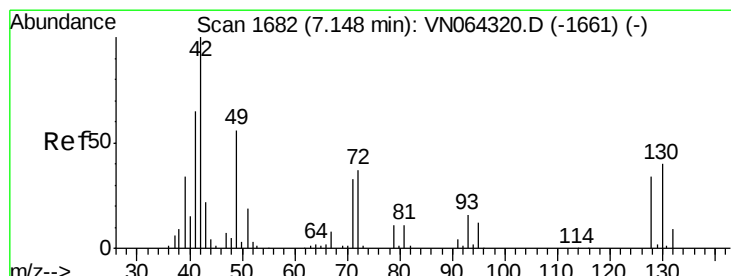
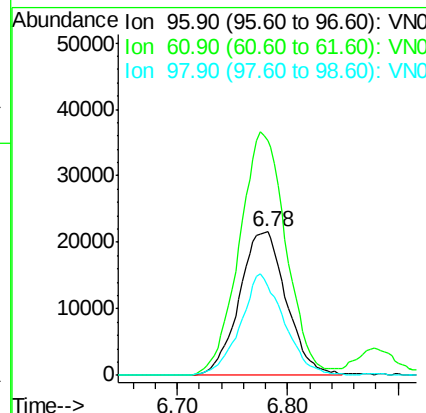
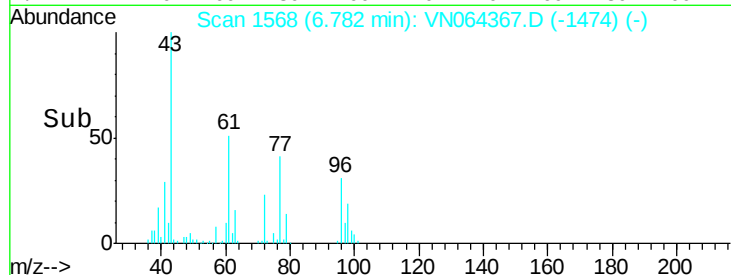
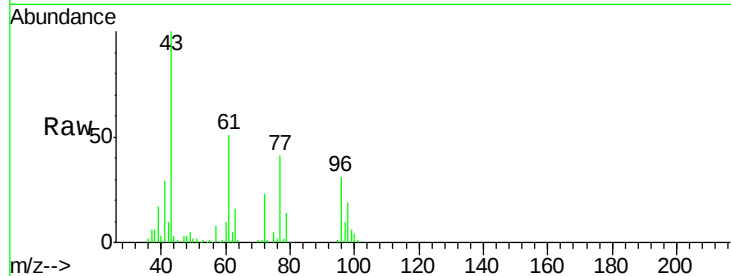
ClientSampleId :

VN1029WBS01

Tot Ion:	96	Resp:	63701
Ion	Ratio	Lower	Upper
96	100		
61	168.7	0.0	325.0
98	65.3	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:29 PM



#28

Bromochloromethane

Concen: 17.576 ug/l

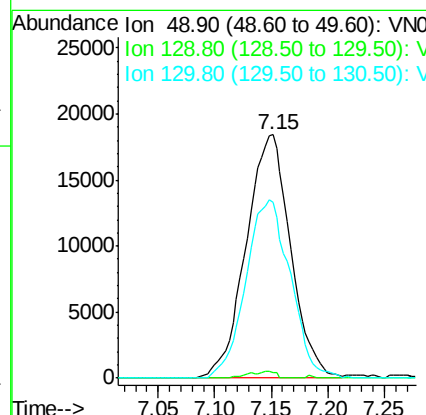
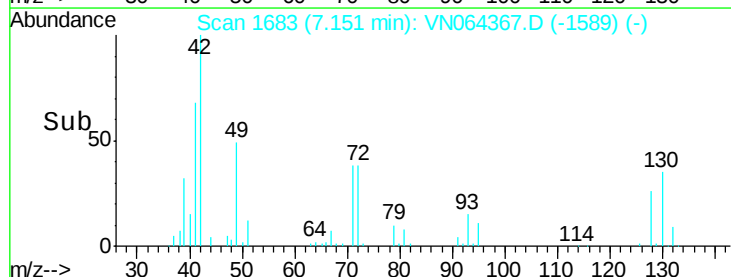
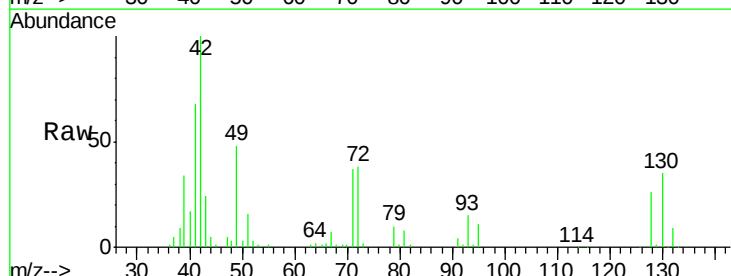
RT: 7.15 min Scan# 1683

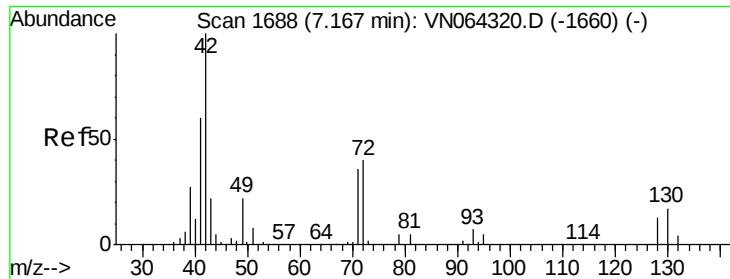
Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Tgt Ion:	49	Resp:	50421
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.8
130	73.2	56.2	84.2





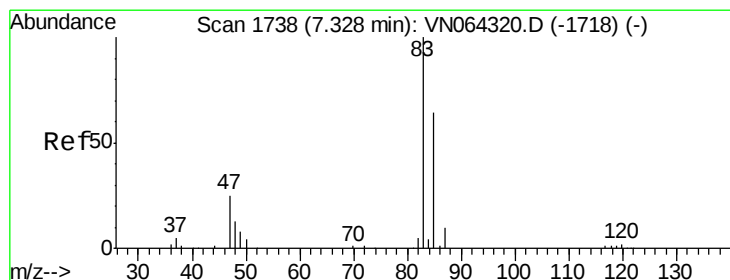
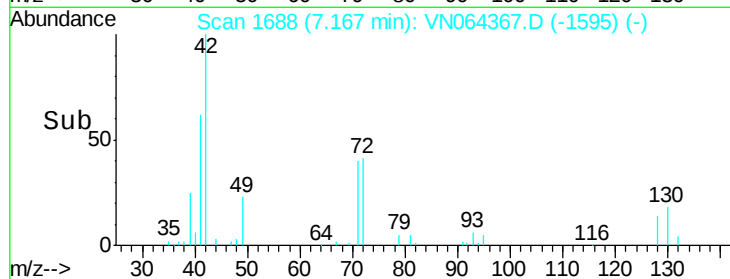
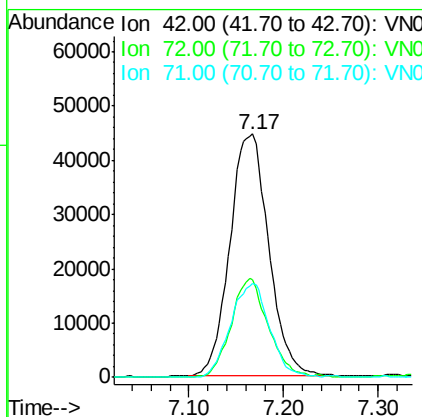
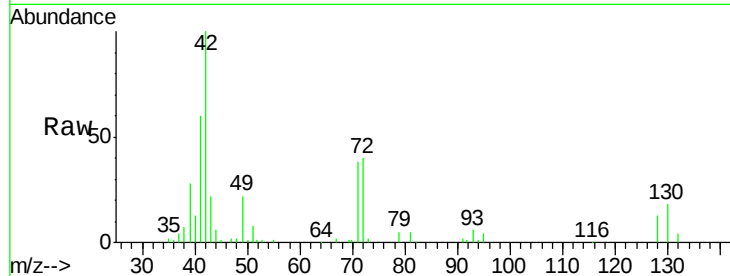
#29
Tetrahydrofuran
Concen: 85.899 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	31.6	47.4
71	38.9	29.4	44.0

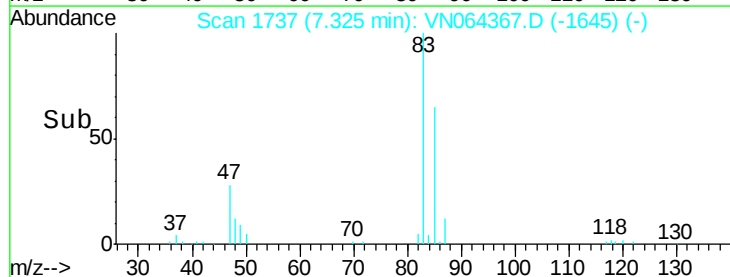
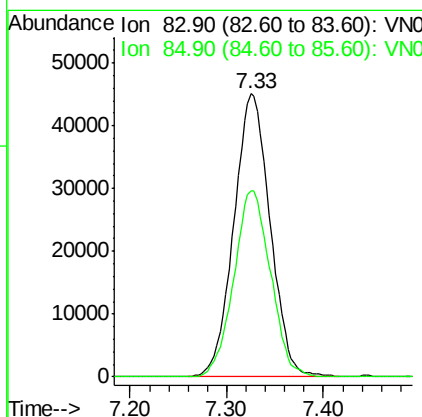
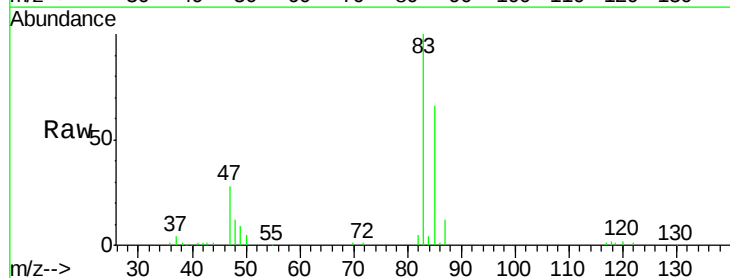
Manual Integrations
APPROVED

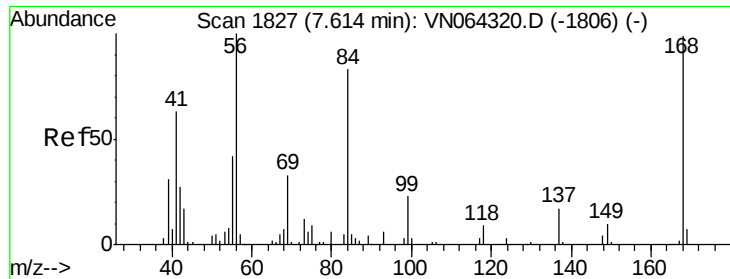
MMDadoda
10/30/2020 1:35:29 PM



#30
Chloroform
Concen: 18.316 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.1	76.7





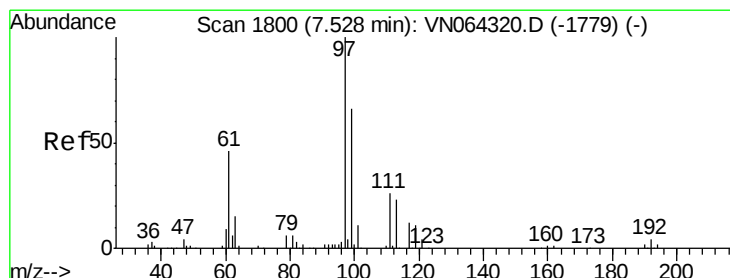
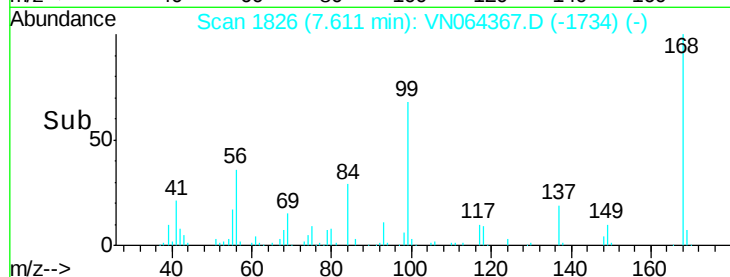
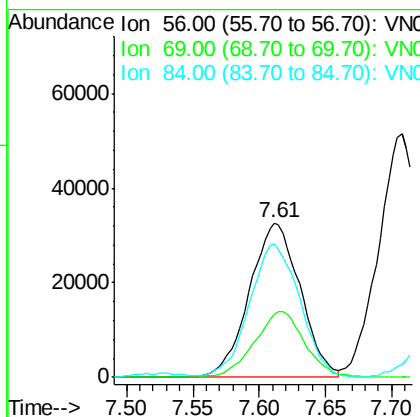
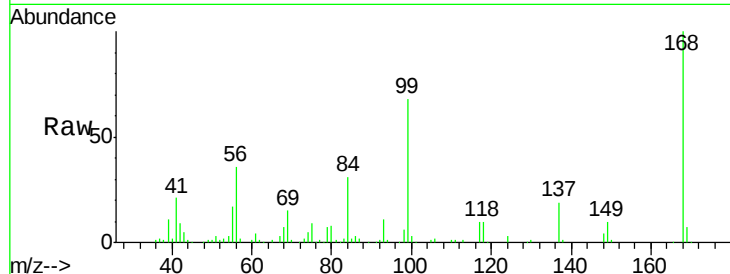
#31
Cyclohexane
Concen: 16.563 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.7	25.8	38.8#
84	85.5	66.3	99.5

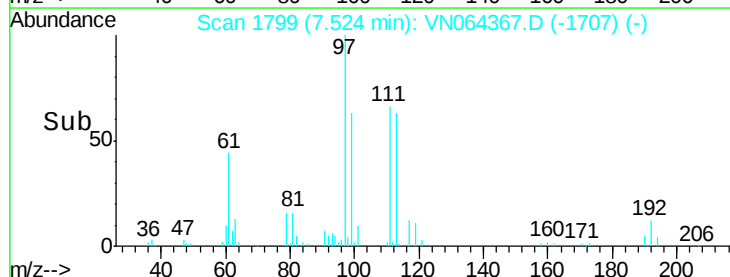
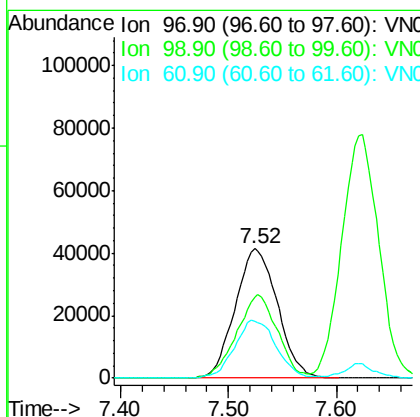
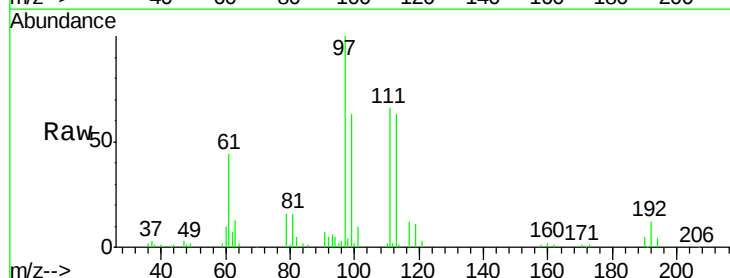
Manual Integrations
APPROVED

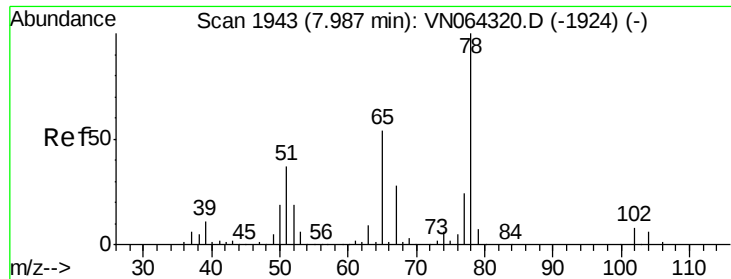
MMDadoda
10/30/2020 1:35:29 PM



#32
1,1,1-Trichloroethane
Concen: 18.276 ug/l
RT: 7.52 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.1	50.6	76.0
61	43.7	35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 48.438 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 65 Resp: 219667

Ion Ratio Lower Upper

65 100

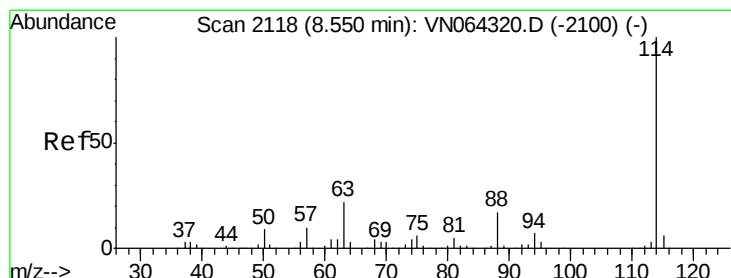
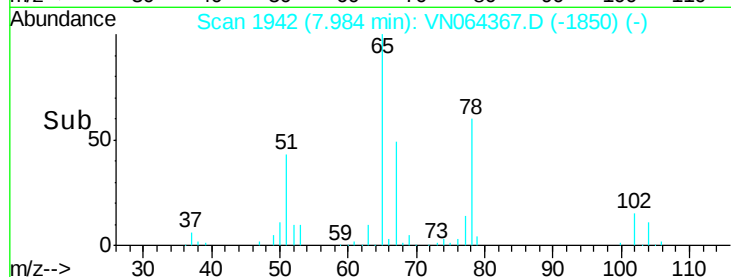
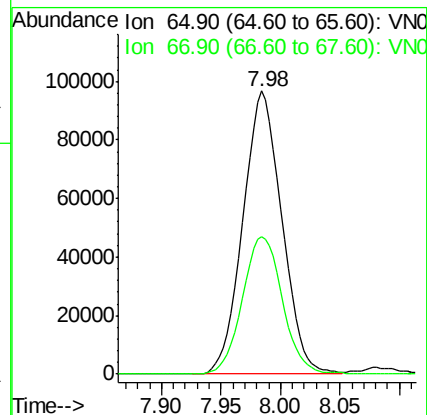
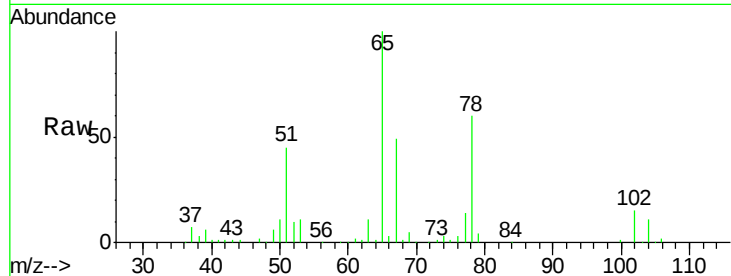
67 49.9 0.0 99.2

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:35:29 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

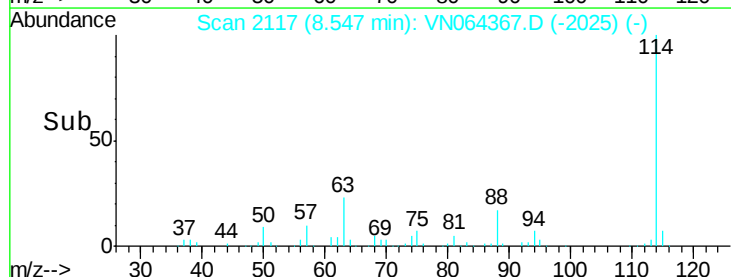
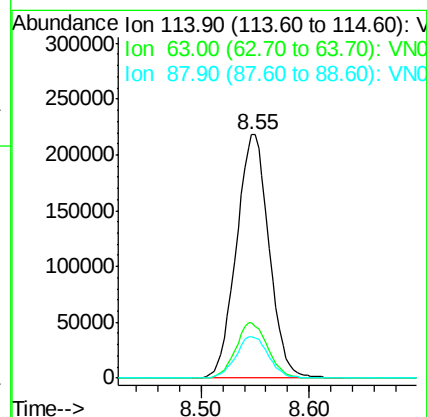
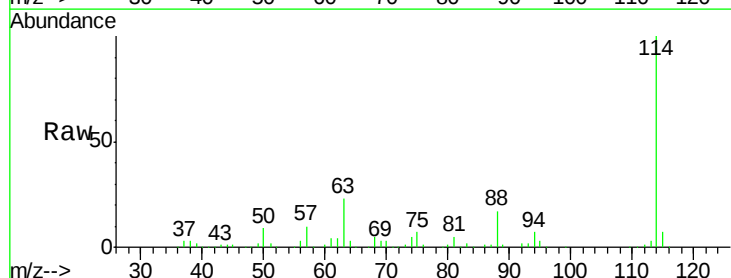
Tgt Ion: 114 Resp: 460907

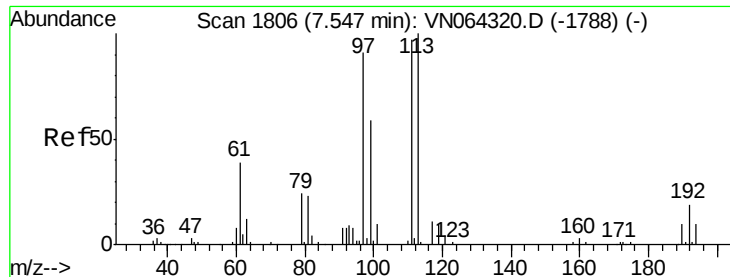
Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.6

88 16.9 0.0 33.4





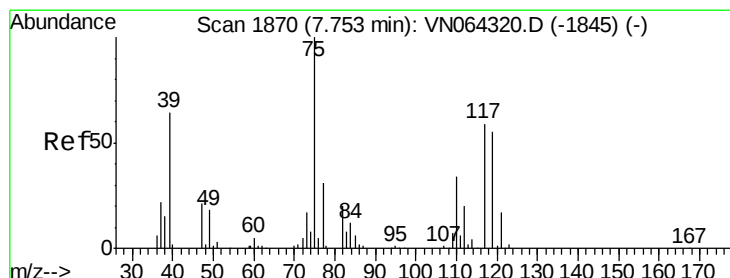
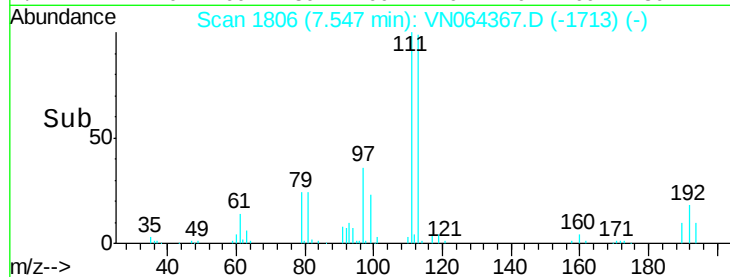
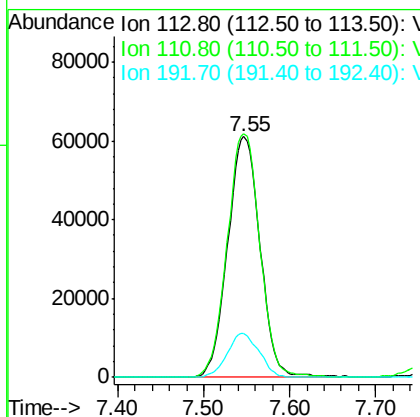
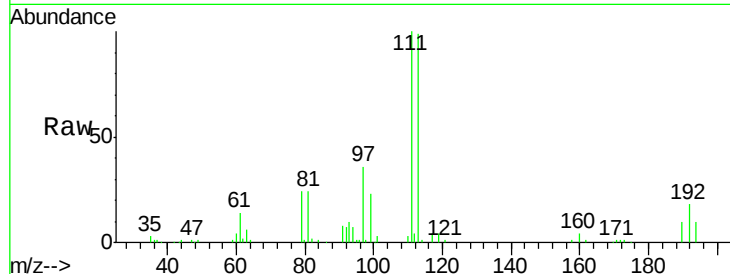
#35
 Dibromofluoromethane
 Concen: 51.834 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	159320		
111	102.5	81.5	122.3	
192	18.1	15.0	22.4	

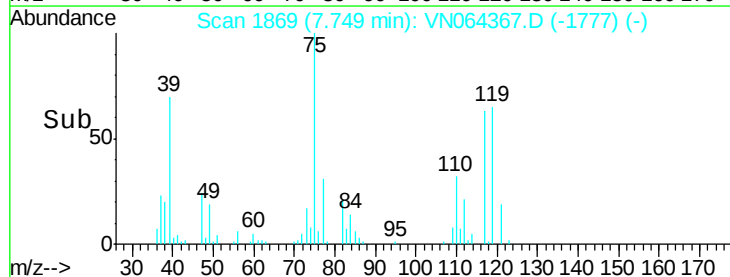
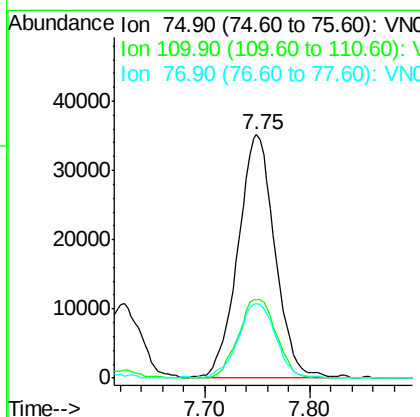
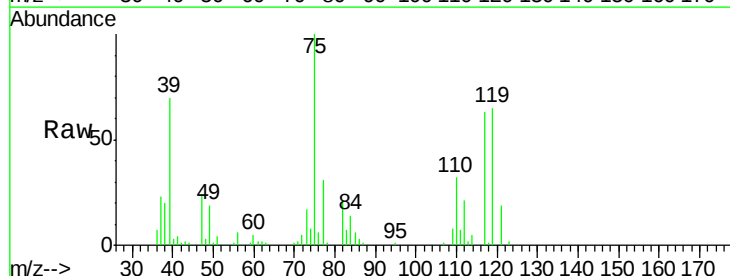
Manual Integrations
 APPROVED

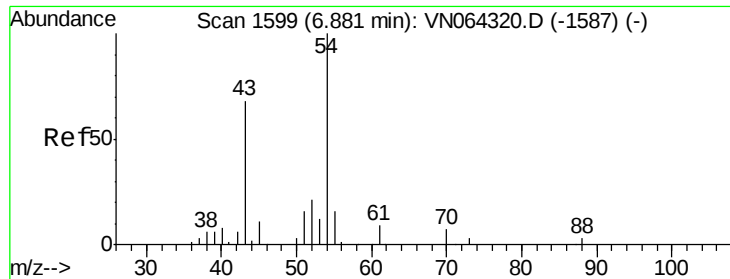
MMDadoda
 10/30/2020 1:35:29 PM



#36
 1,1-Dichloropropene
 Concen: 18.410 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	85635		
110	32.9	16.8	50.3	
77	31.1	24.2	36.4	





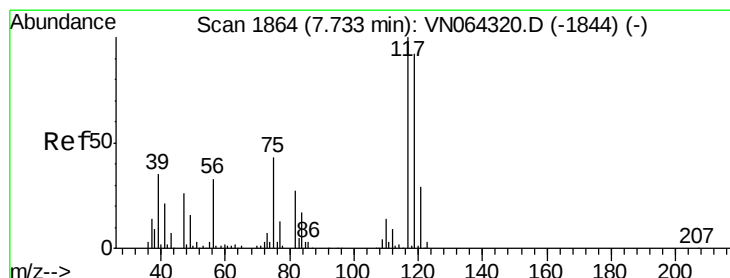
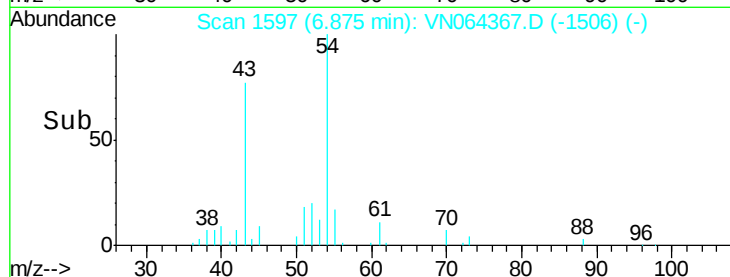
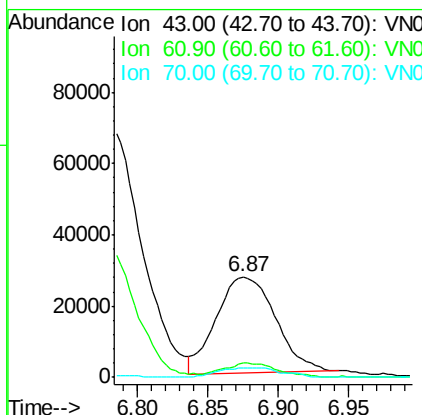
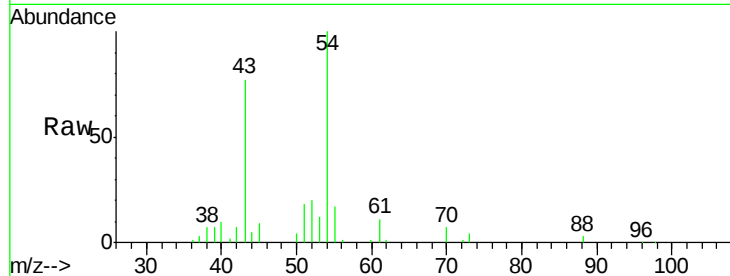
#37
Ethyl Acetate
Concen: 16.850 ug/l
RT: 6.87 min Scan# 1597
Delta R.T. -0.01 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.0	15.0
70	10.6	7.1	10.7

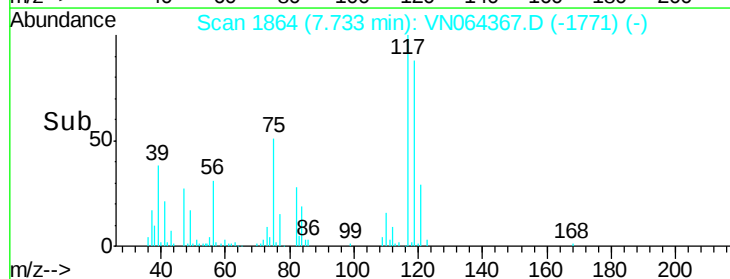
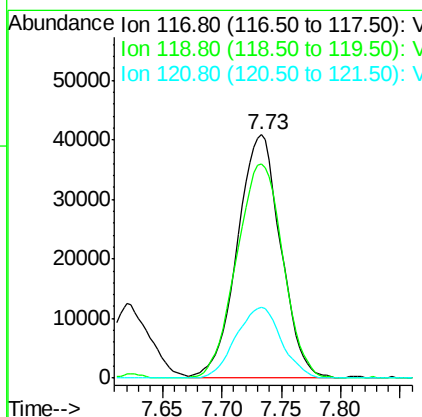
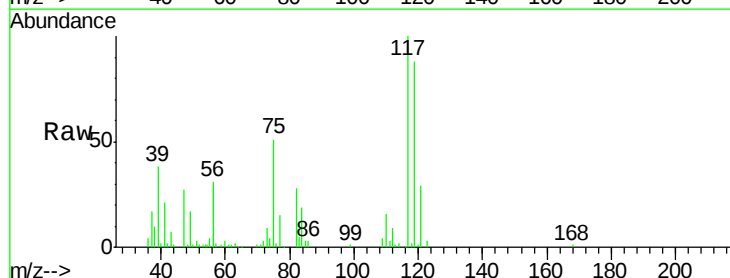
Manual Integrations
APPROVED

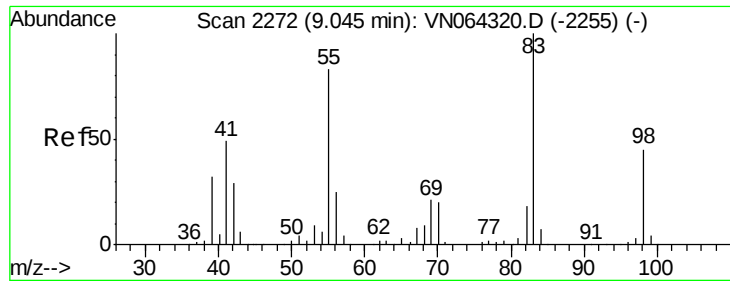
MMDadoda
10/30/2020 1:35:29 PM



#38
Carbon Tetrachloride
Concen: 19.168 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.0	73.7	110.5
121	29.1	22.8	34.2





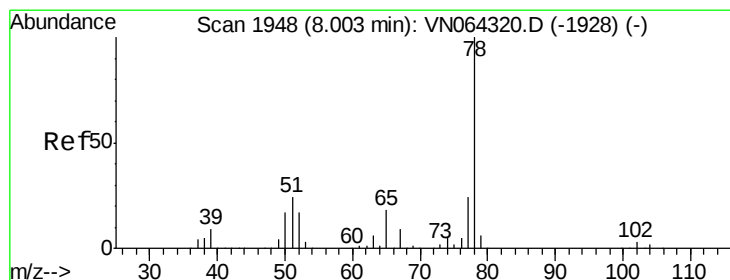
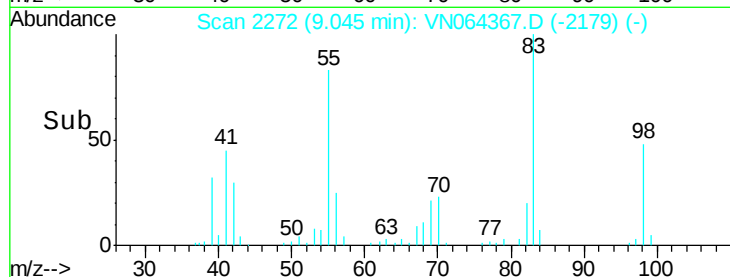
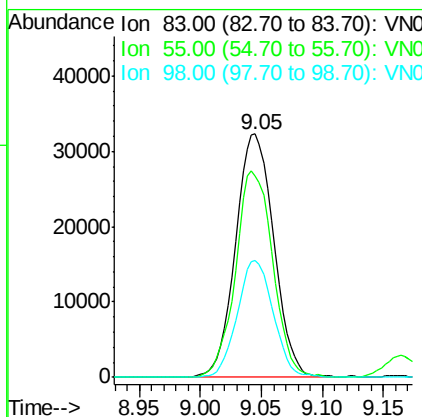
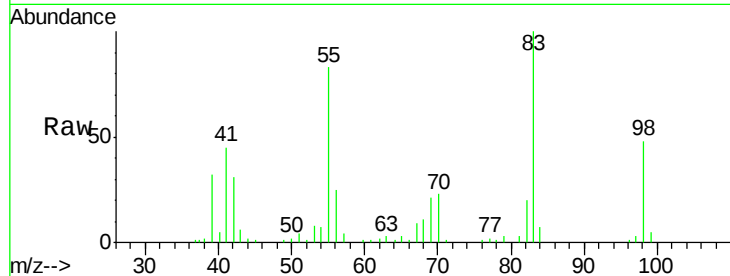
#39
Methvlcvclohexane
Concen: 15.182 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	83	Resp	70023
Ion Ratio	100	Lower	Upper
83	100		
55	82.8	66.2	99.4
98	48.0	36.0	54.0

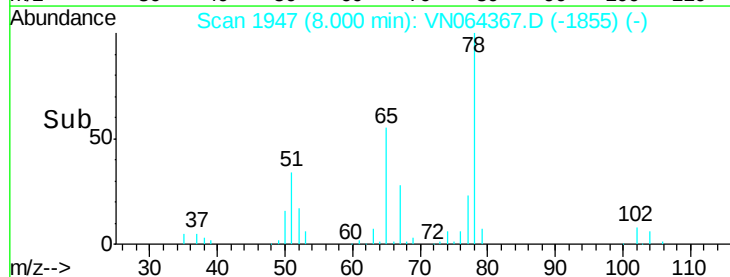
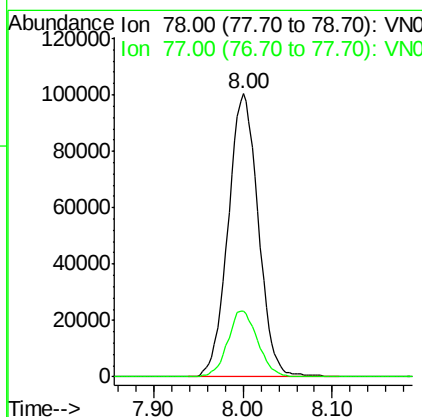
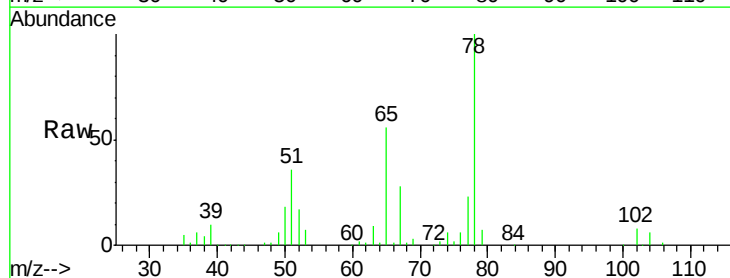
Manual Integrations
APPROVED

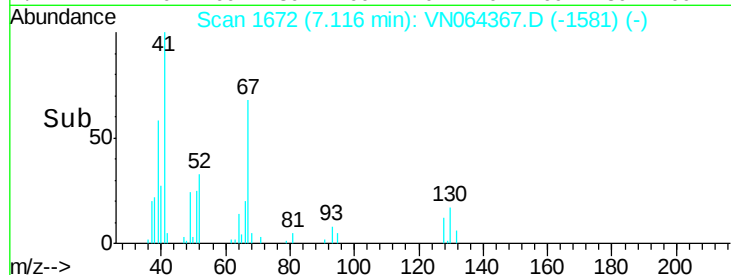
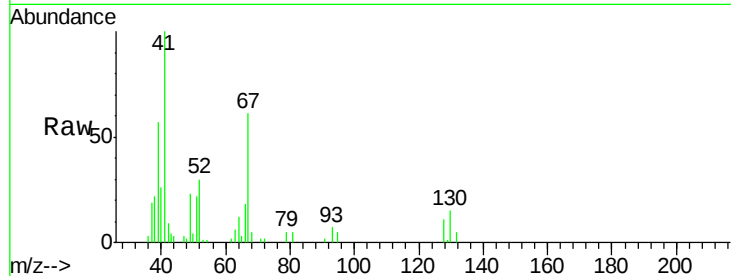
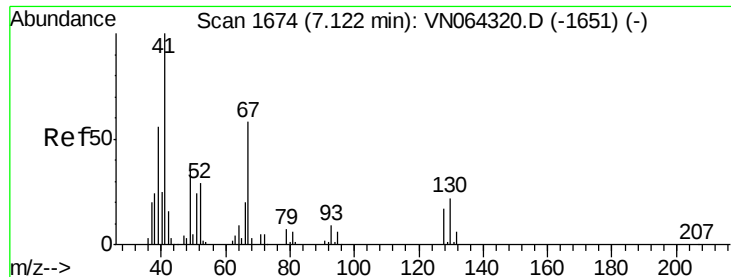
MMDadoda
10/30/2020 1:35:29 PM



#40
Benzene
Concen: 18.200 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

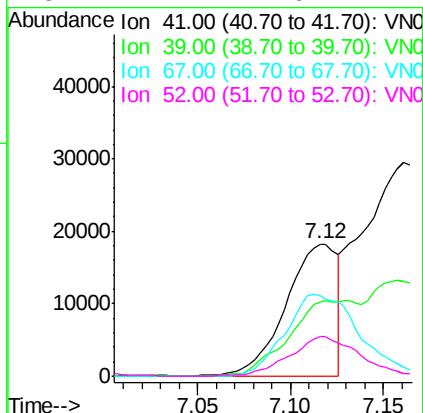
Tgt Ion	78	Resp	235647
Ion Ratio	100	Lower	Upper
78	100		
77	23.0	18.8	28.2





#41
Methacrylonitrile
Concen: 15.056 ug/l
RT: 7.12 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

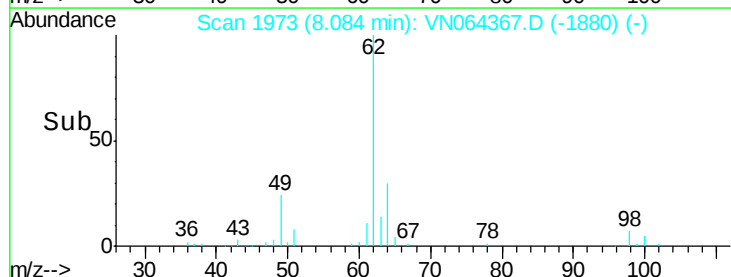
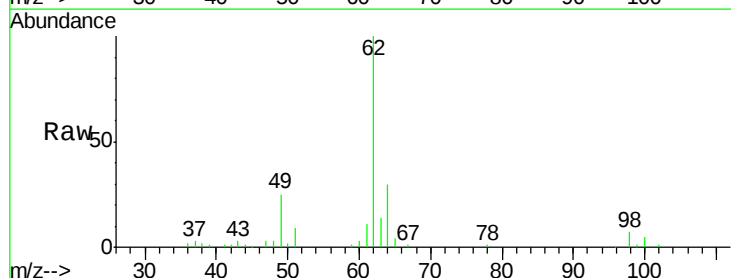
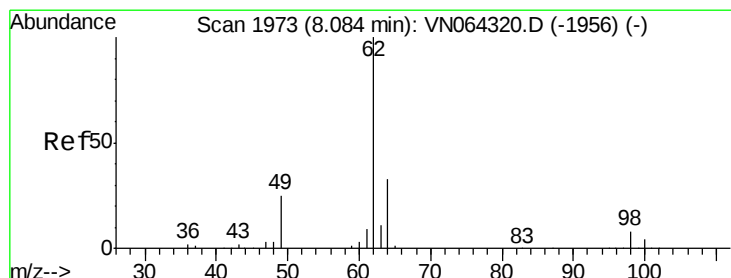
Tot Ion	41.00	Resp	35117
Ion	Ratio	Lower	Upper
41	100		
39	55.3	48.6	72.8
67	90.6	61.4	92.2
52	41.1	27.6	41.4



Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

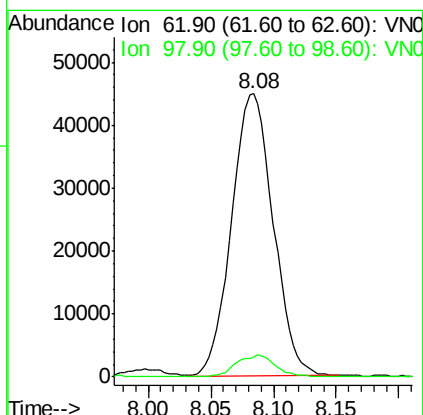
Manual Integrations
APPROVED

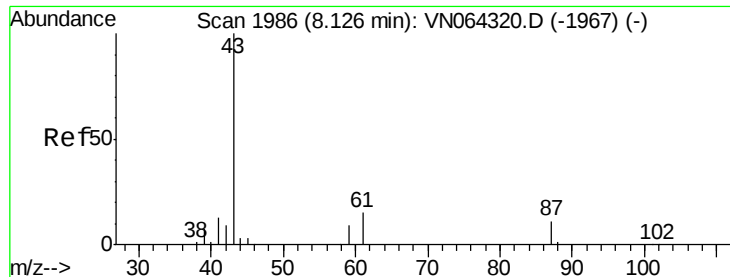
MMDadoda
10/30/2020 1:35:29 PM



#42
1,2-Dichloroethane
Concen: 18.504 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion	62	Resp	103494
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	14.2





#43

Isopropyl Acetate

Concen: 18.641 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

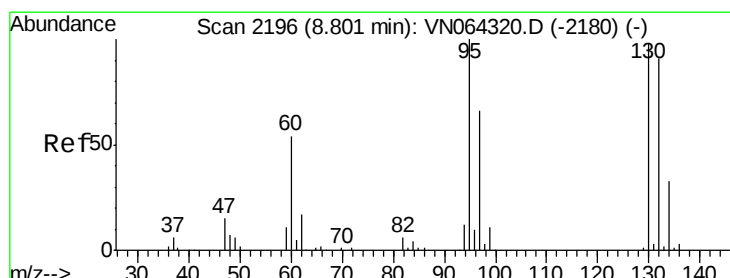
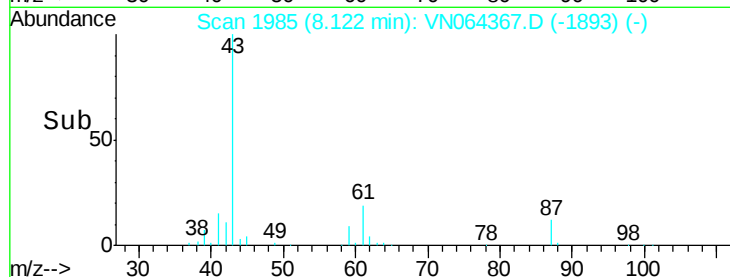
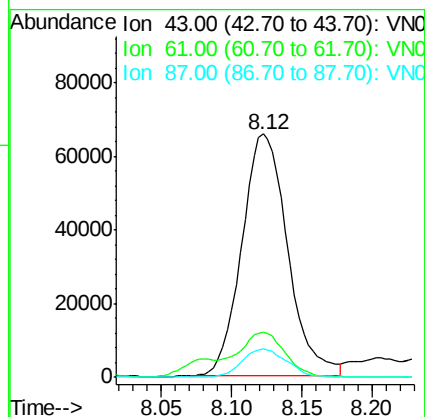
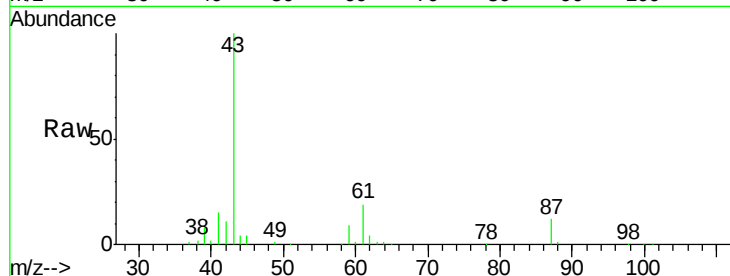
ClientSampleId :

VN1029WBS01

Tot Ion:	43	Resp:	149723
Ion	Ratio	Lower	Upper
43	100		
61	17.9	19.1	28.7#
87	11.3	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:29 PM



#44

Trichloroethene

Concen: 18.598 ug/l

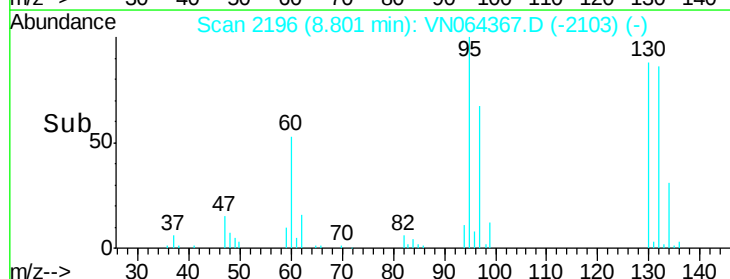
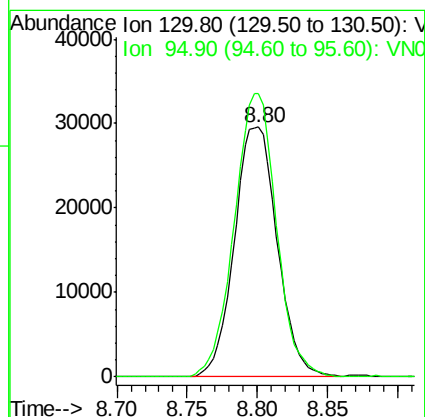
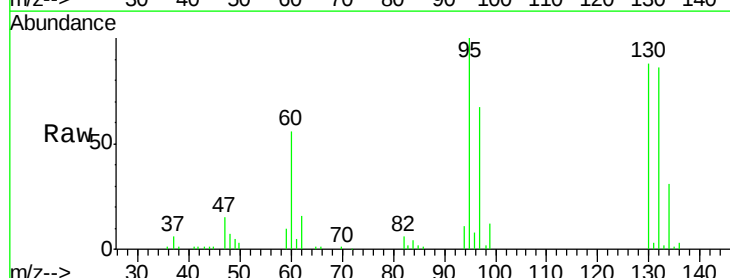
RT: 8.80 min Scan# 2196

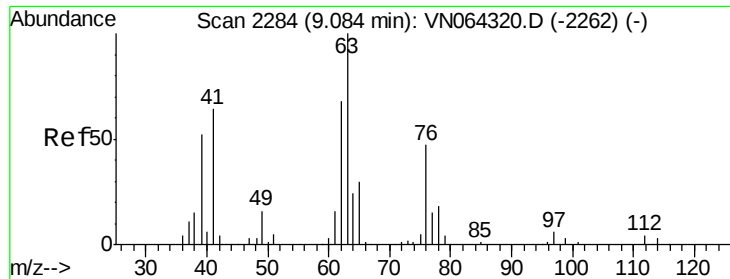
Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Tgt Ion:	130	Resp:	63082
Ion	Ratio	Lower	Upper
130	100		
95	113.3	0.0	203.6





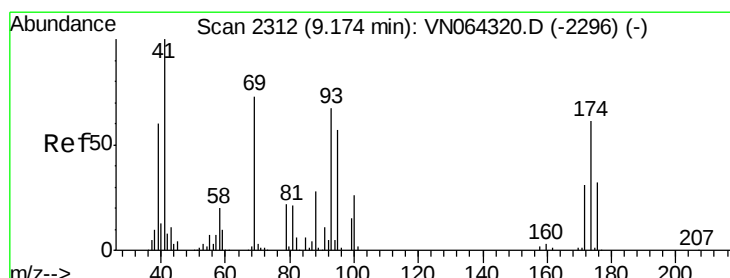
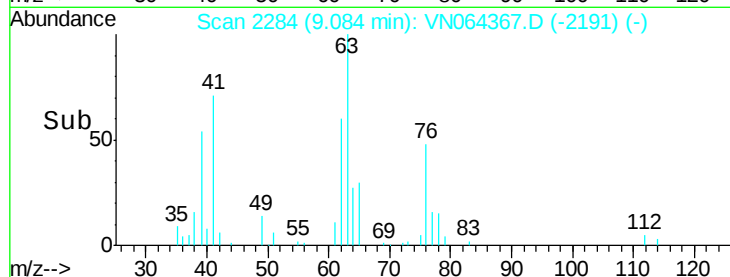
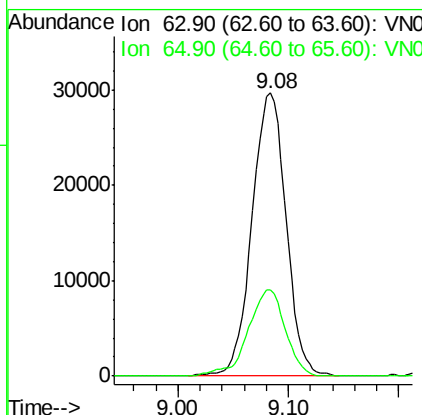
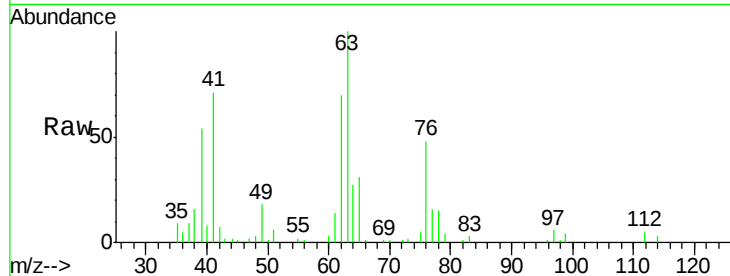
#45
 1,2-Dichloropropane
 Concen: 18.430 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Tot Ion: 63 Resp: 63901
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.3 36.5

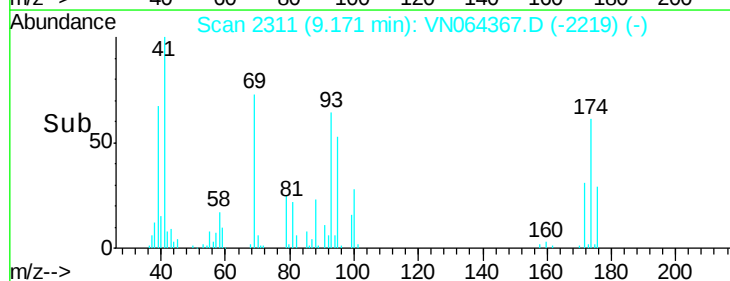
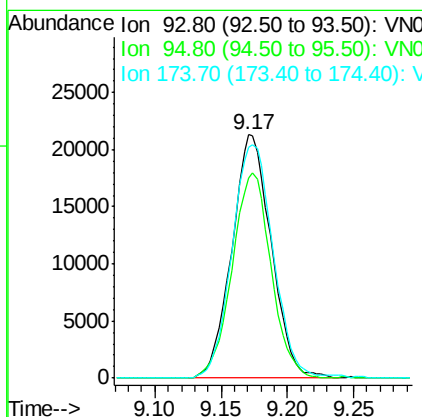
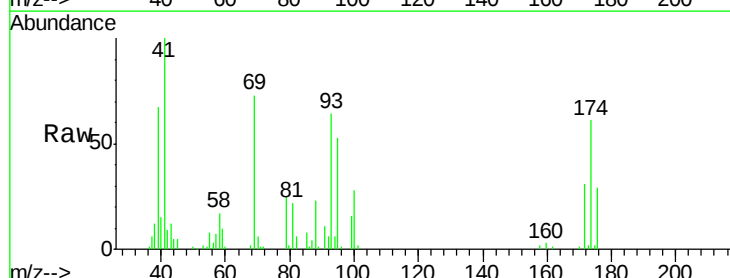
Manual Integrations
 APPROVED

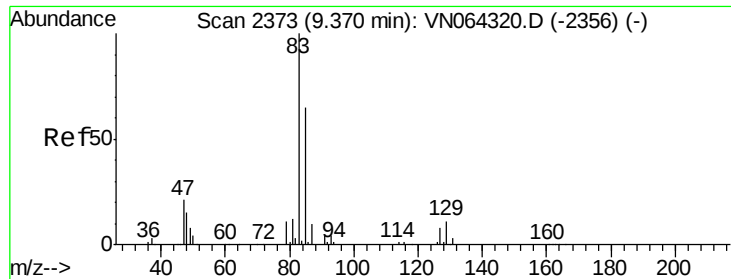
MMDadoda
 10/30/2020 1:35:29 PM



#46
 Dibromomethane
 Concen: 18.127 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Tgt Ion: 93 Resp: 43968
 Ion Ratio Lower Upper
 93 100
 95 83.2 64.4 96.6
 174 99.9 71.4 107.0





#47

Bromodichloromethane

Concen: 17.872 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

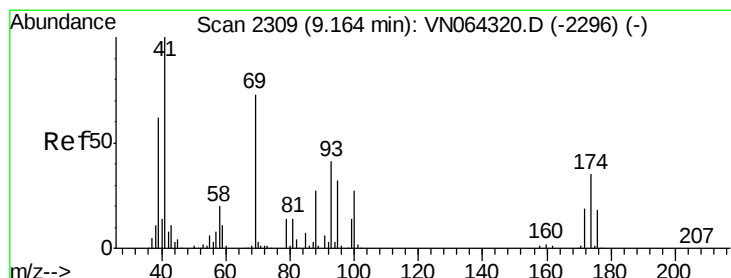
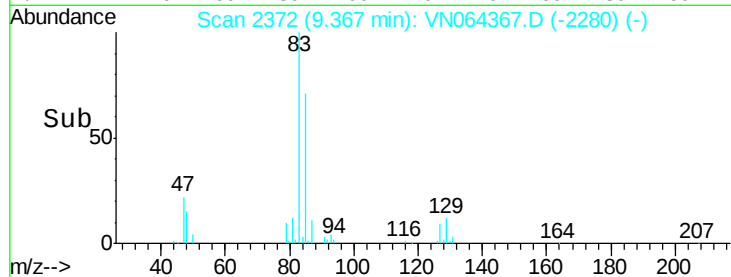
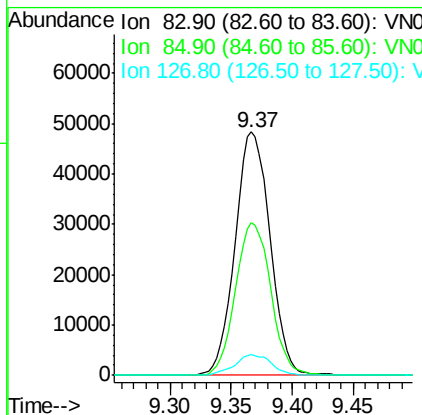
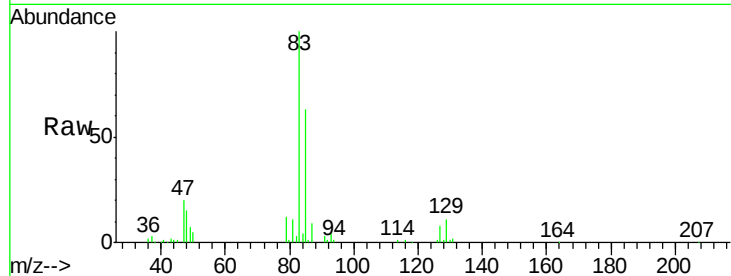
ClientSampleId :

VN1029WBS01

Tot Ion:	83	Resp:	96072
Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.1	78.1
127	8.3	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:29 PM



#48

Methyl methacrylate

Concen: 18.015 ug/l

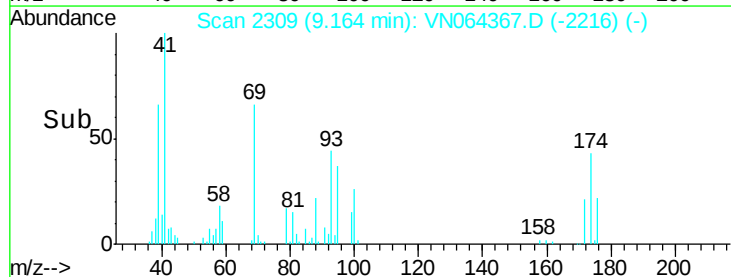
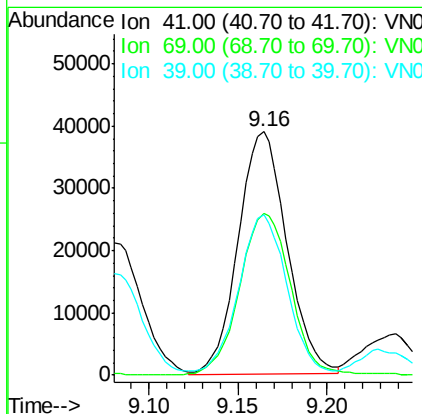
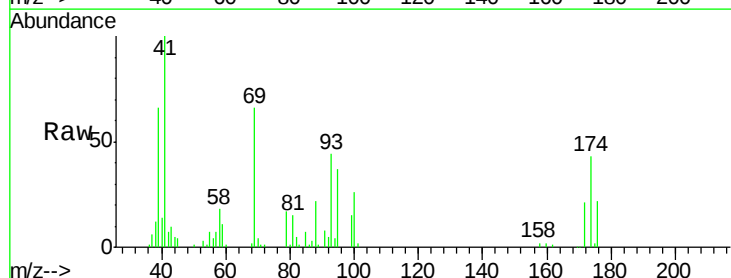
RT: 9.16 min Scan# 2309

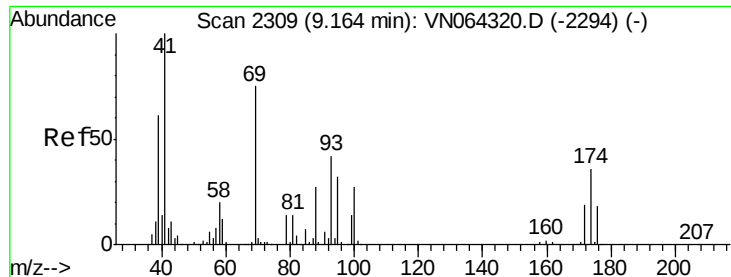
Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Tgt Ion:	41	Resp:	74652
Ion	Ratio	Lower	Upper
41	100		
69	69.8	59.1	88.7
39	64.6	51.3	76.9





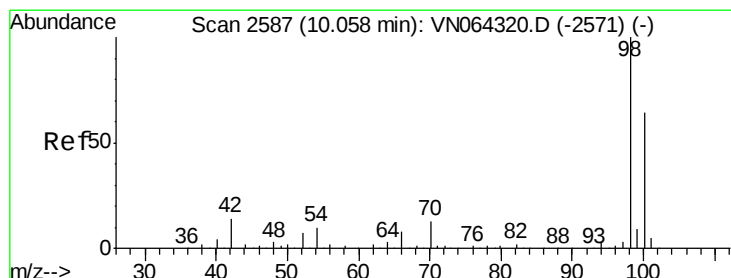
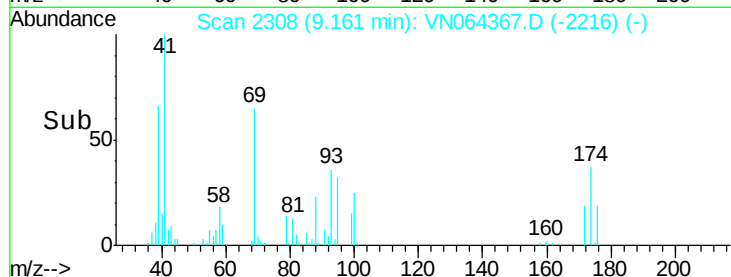
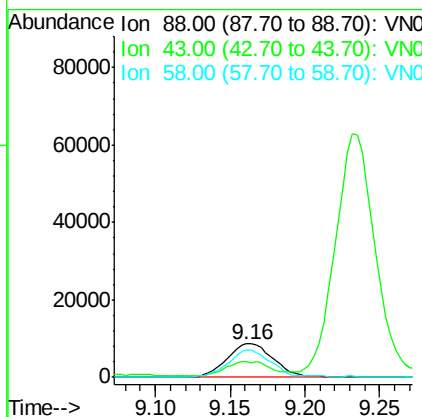
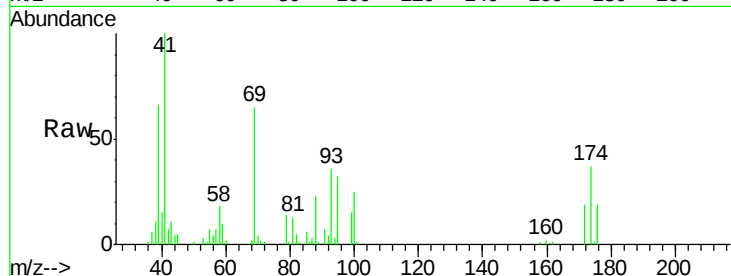
#49
1,4-Dioxane
Concen: 306.832 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.8	31.8	47.8
58	76.5	60.3	90.5

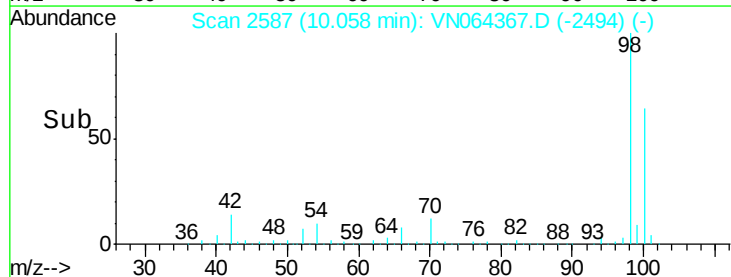
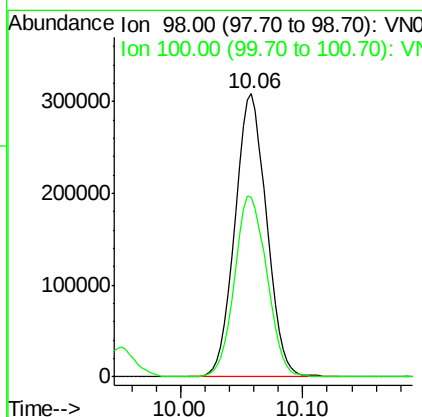
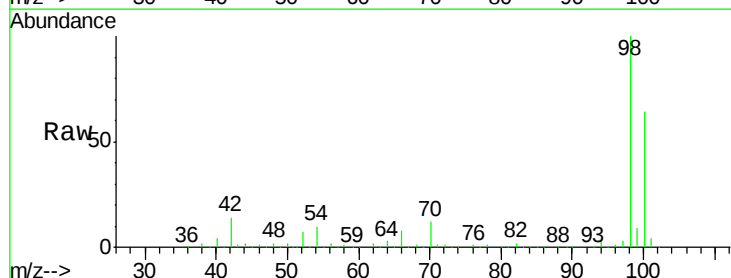
Manual Integrations
APPROVED

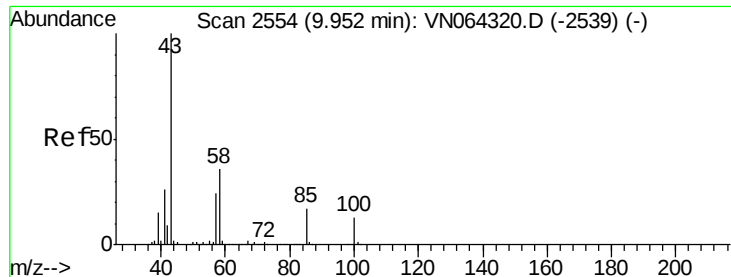
MMDadoda
10/30/2020 1:35:29 PM



#50
Toluene-d8
Concen: 48.813 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 90.926 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 43 Resp: 424517

Ion Ratio Lower Upper

43 100

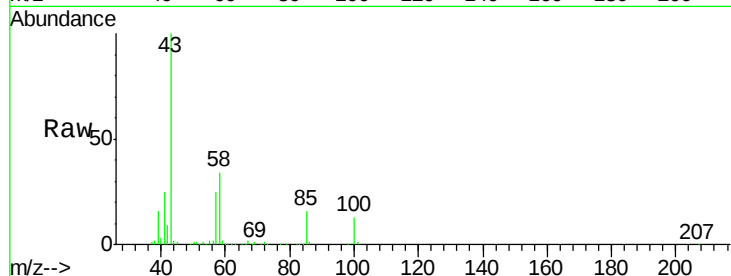
58 35.2 28.6 42.8

Manual Integrations

APPROVED

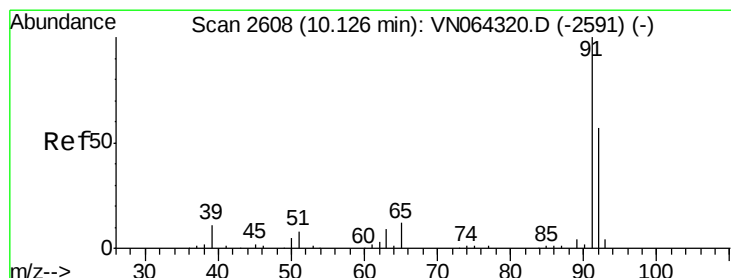
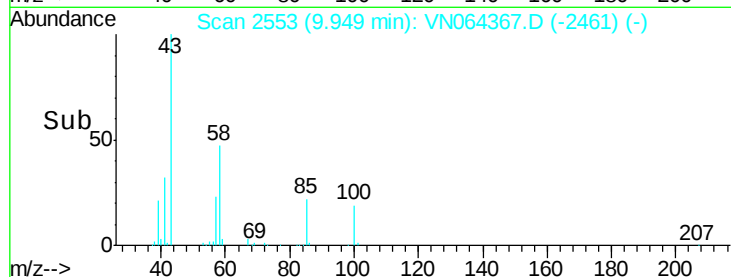
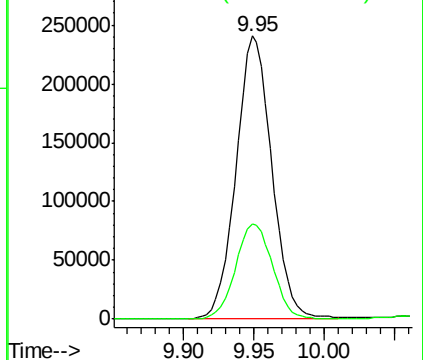
MMDadoda

10/30/2020 1:35:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.469 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064367.D

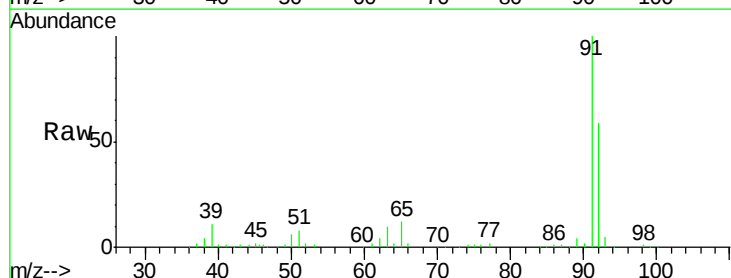
Acq: 29 Oct 2020 12:31

Tgt Ion: 92 Resp: 150896

Ion Ratio Lower Upper

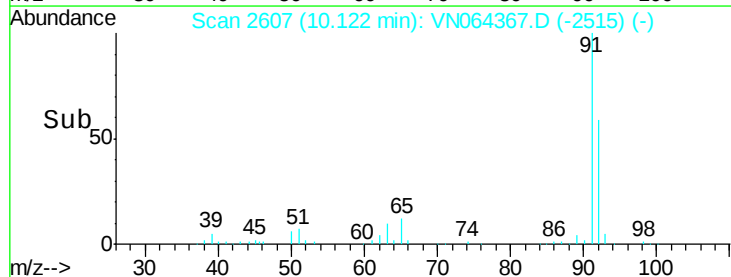
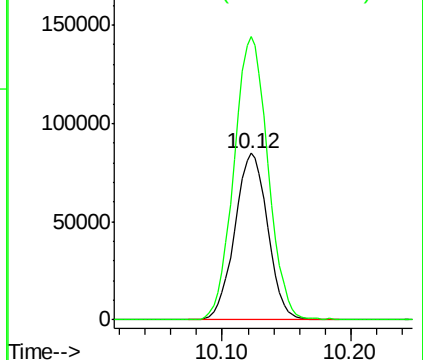
92 100

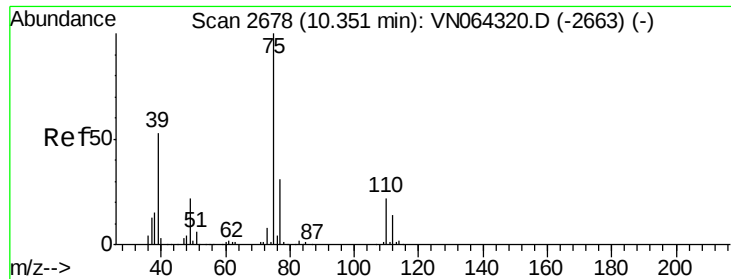
91 174.6 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





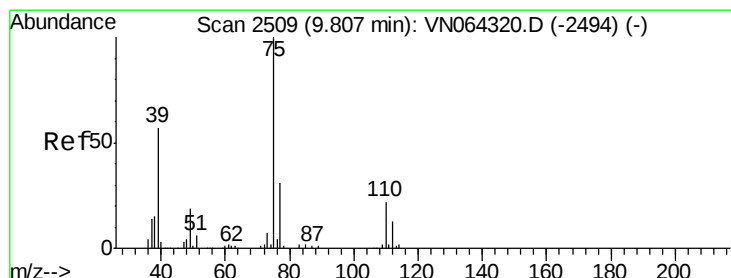
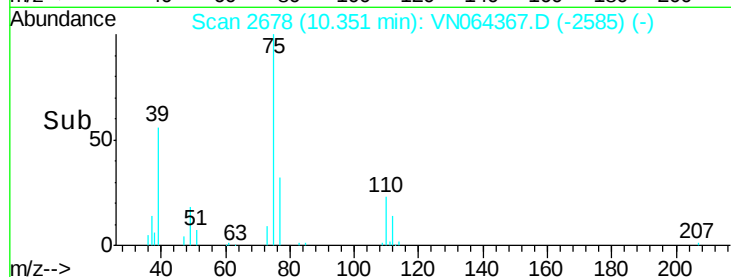
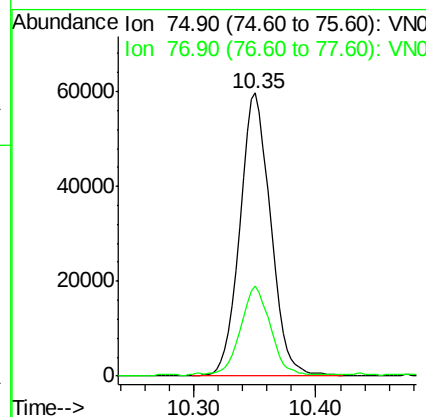
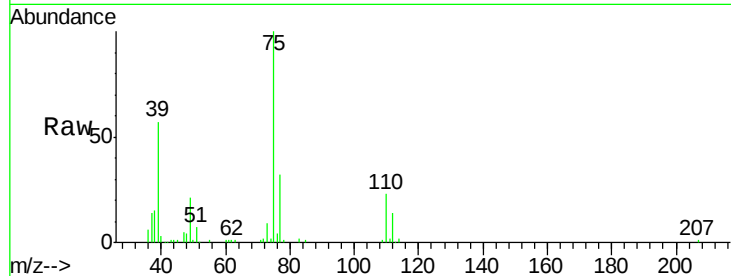
#53
t-1,3-Dichloropropene
Concen: 18.322 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion: 75 Resp: 104142
Ion Ratio Lower Upper
75 100
77 31.1 24.8 37.2

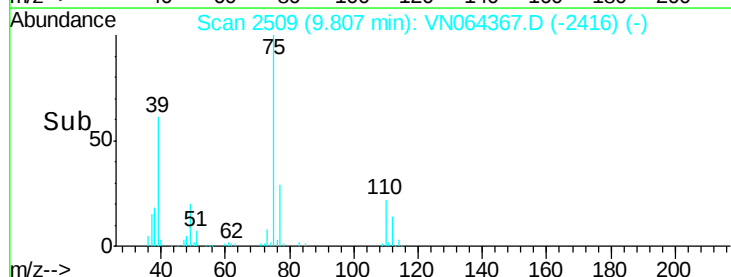
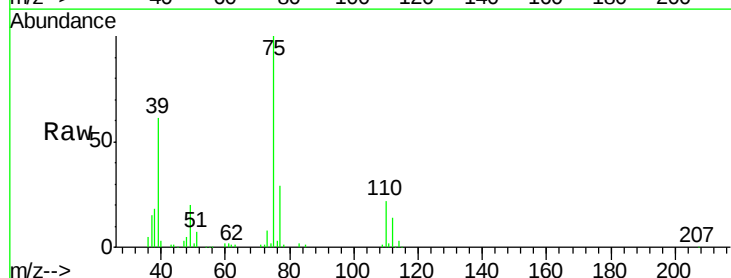
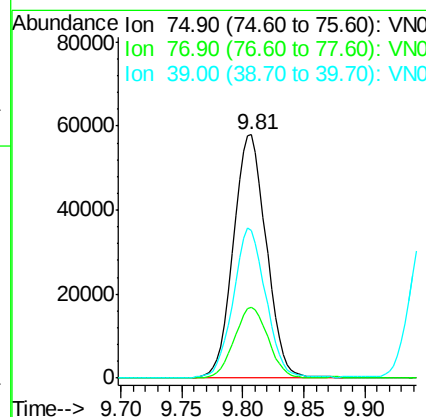
Manual Integrations
APPROVED

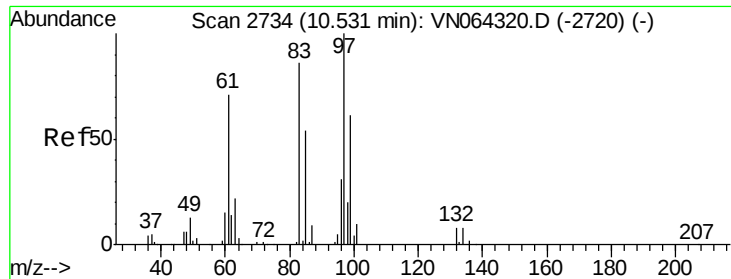
MMDadoda
10/30/2020 1:35:29 PM



#54
cis-1,3-Dichloropropene
Concen: 18.622 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion: 75 Resp: 108959
Ion Ratio Lower Upper
75 100
77 29.2 25.0 37.4
39 60.4 45.5 68.3





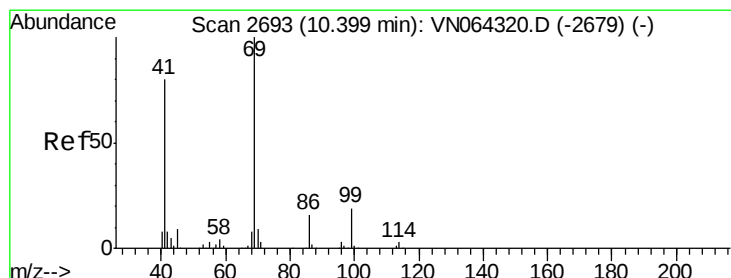
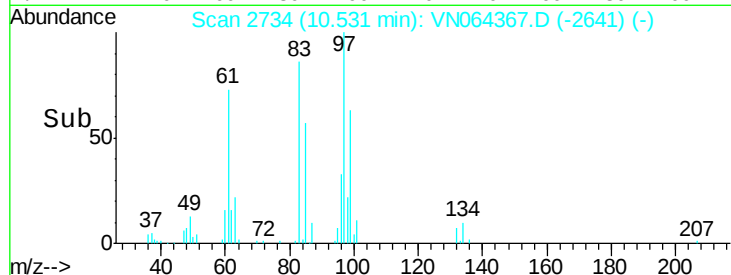
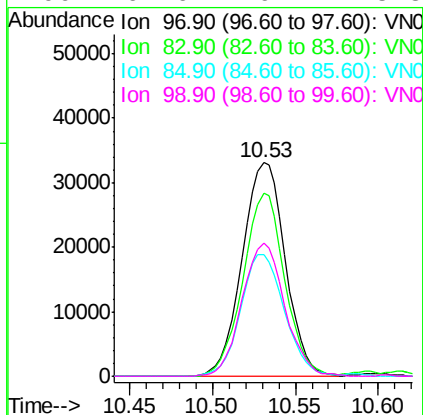
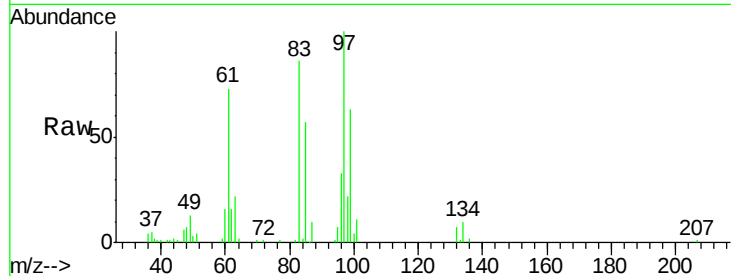
#55
 1,1,2-Trichloroethane
 Concen: 18.506 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Tot Ion:	97	Resp:	59684
Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.9	103.3
85	56.7	43.6	65.4
99	62.6	49.2	73.8

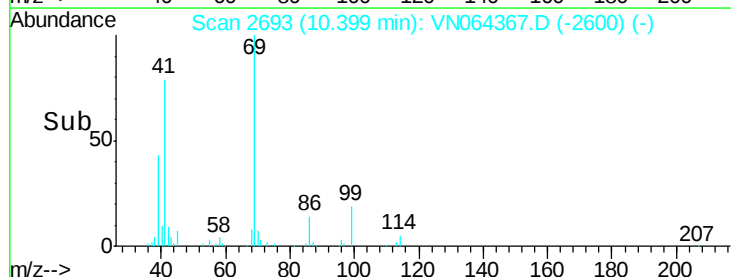
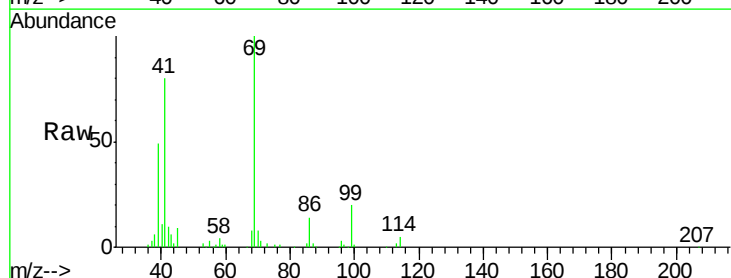
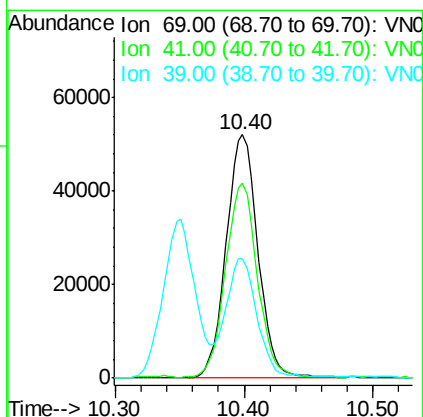
Manual Integrations
 APPROVED

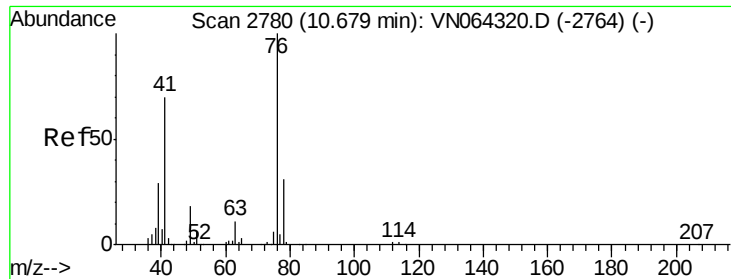
MMDadoda
 10/30/2020 1:35:29 PM



#56
 Ethyl methacrylate
 Concen: 18.264 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Tgt Ion:	69	Resp:	89166
Ion	Ratio	Lower	Upper
69	100		
41	79.2	61.4	92.2
39	47.4	36.5	54.7





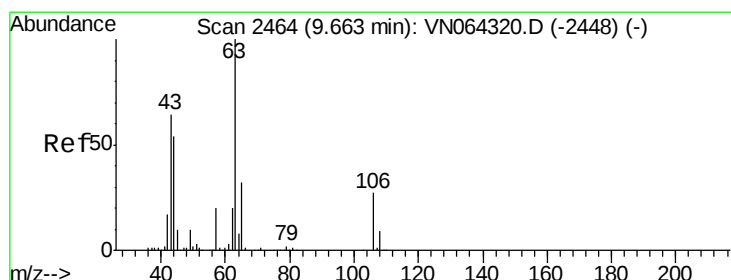
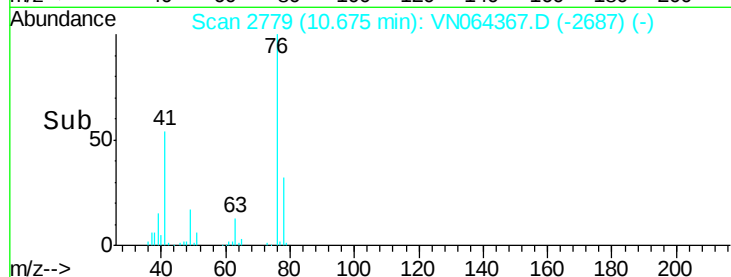
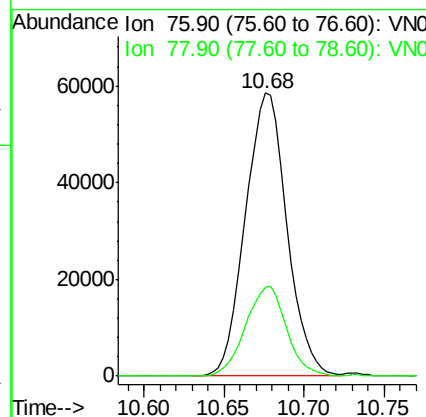
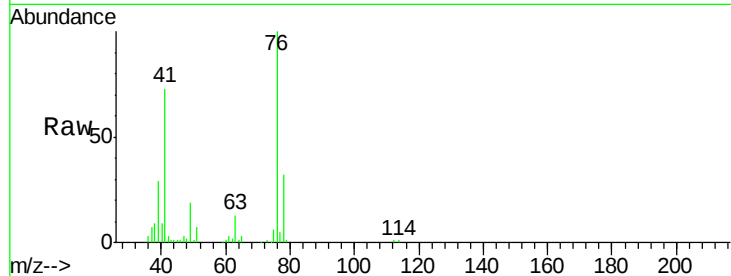
#57
 1,3-Dichloropropane
 Concen: 18.930 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Tot Ion: 76 Resp: 104145
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.8 38.6

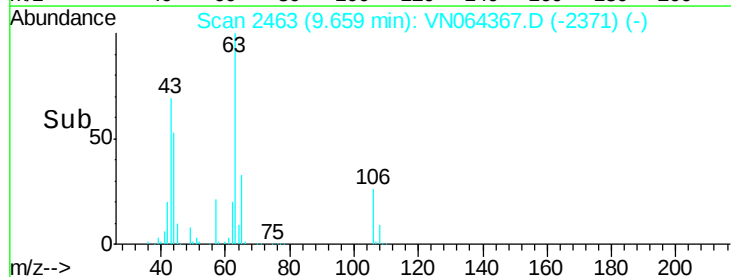
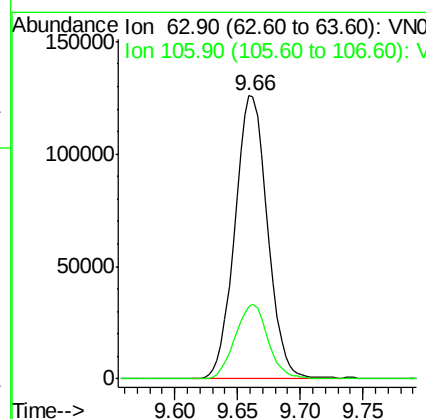
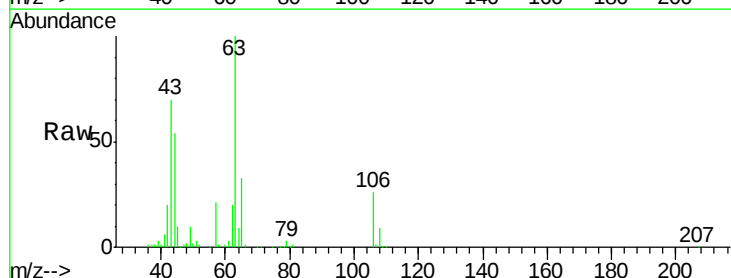
Manual Integrations
 APPROVED

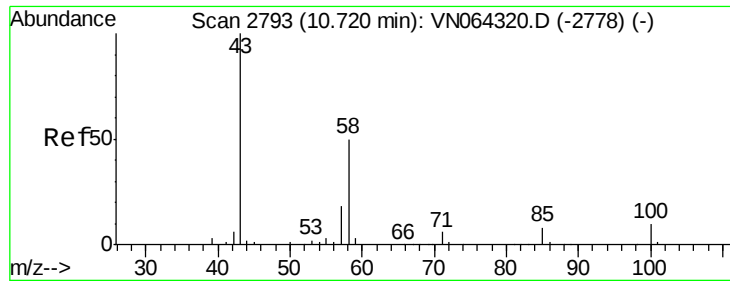
MMDadoda
 10/30/2020 1:35:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.694 ug/l
 RT: 9.66 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Tgt Ion: 63 Resp: 228299
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.0 31.4





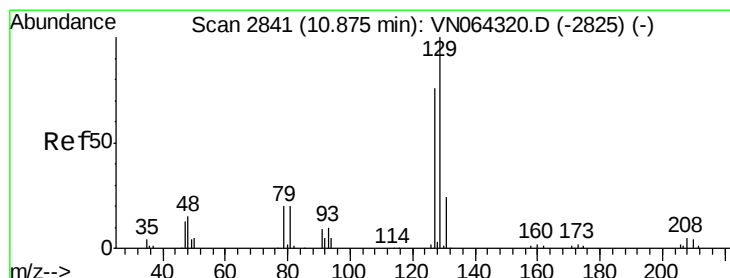
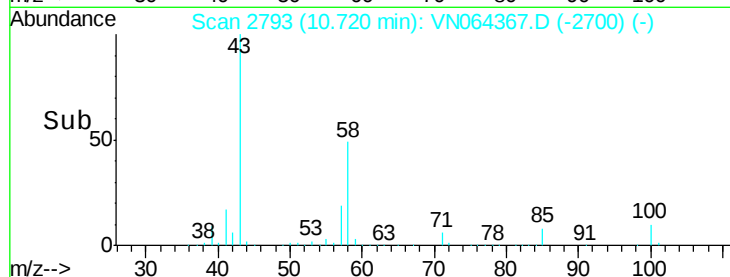
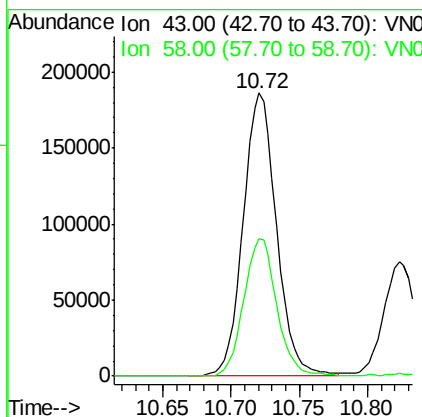
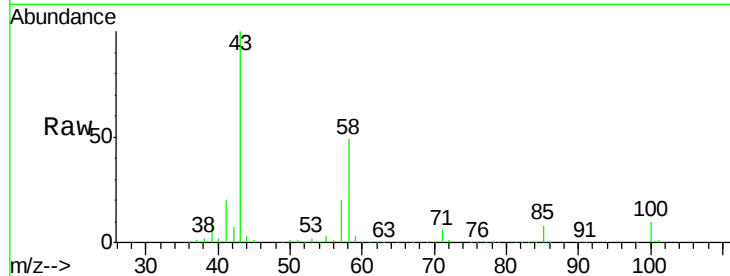
#59
2-Hexanone
Concen: 91.256 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion: 43 Resp: 313789
Ion Ratio Lower Upper
43 100
58 48.4 25.0 75.0

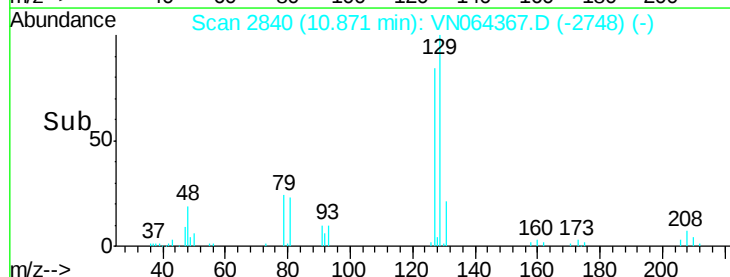
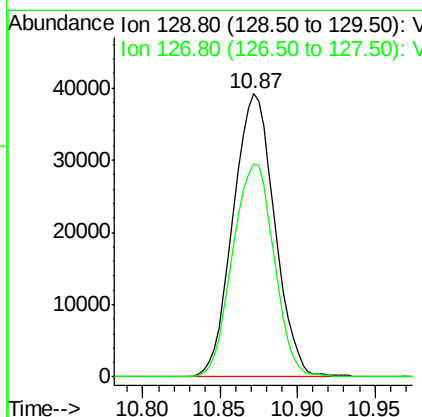
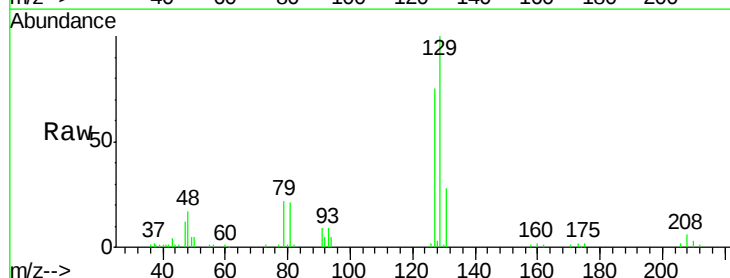
Manual Integrations
APPROVED

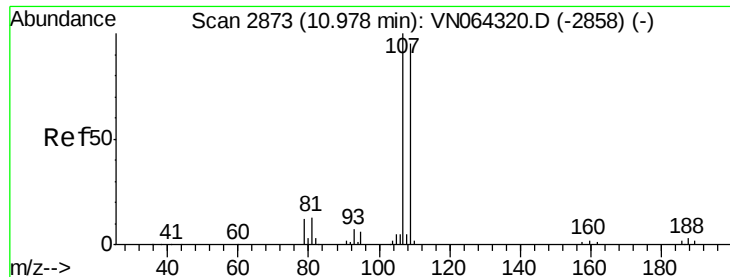
MMDadoda
10/30/2020 1:35:29 PM



#60
Dibromochloromethane
Concen: 19.174 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion: 129 Resp: 73114
Ion Ratio Lower Upper
129 100
127 75.3 38.5 115.3





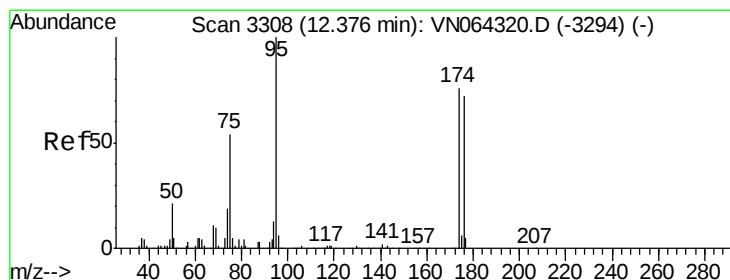
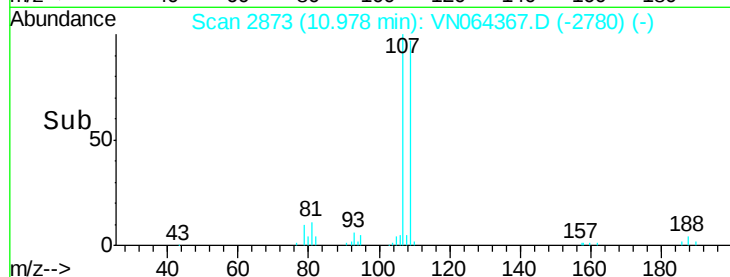
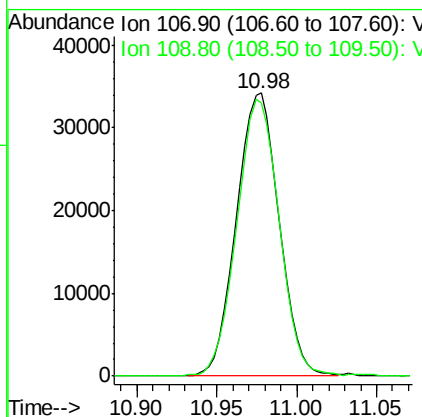
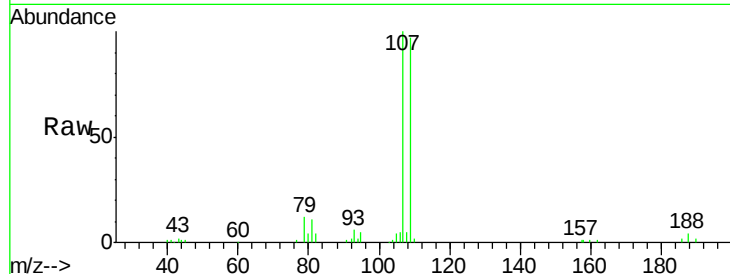
#61
 1,2-Dibromoethane
 Concen: 18.937 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.0	75.8	113.8

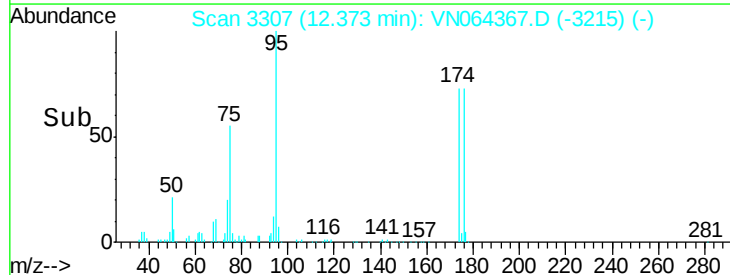
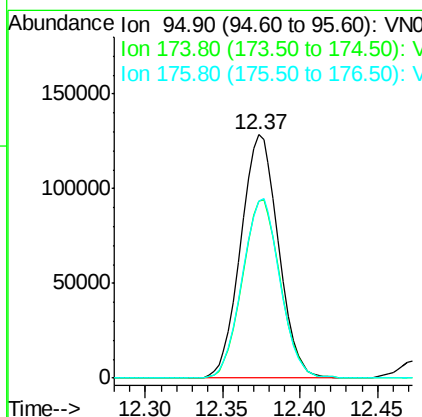
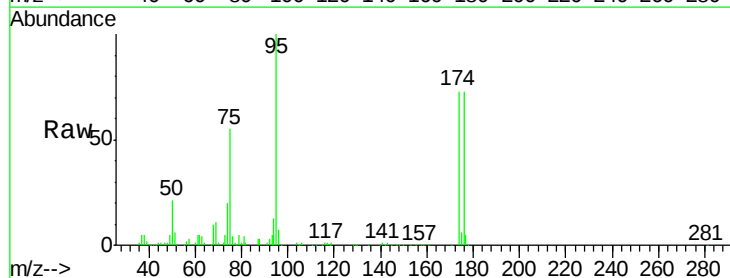
Manual Integrations
 APPROVED

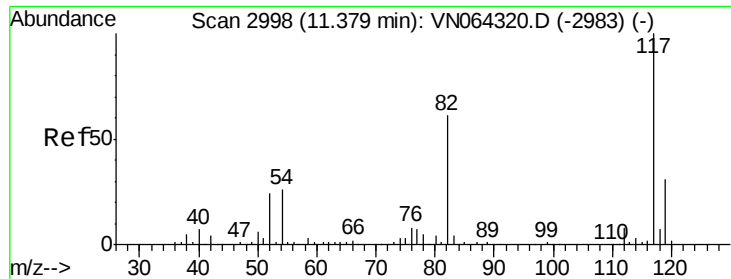
MMDadoda
 10/30/2020 1:35:29 PM



#62
 4-Bromofluorobenzene
 Concen: 49.290 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	147.4
176	73.9	0.0	143.6





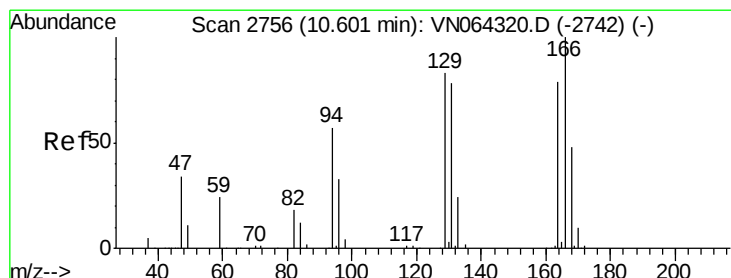
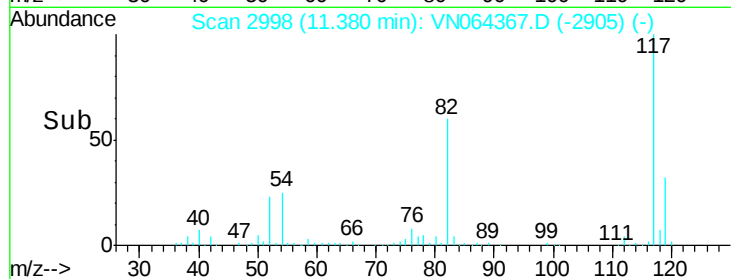
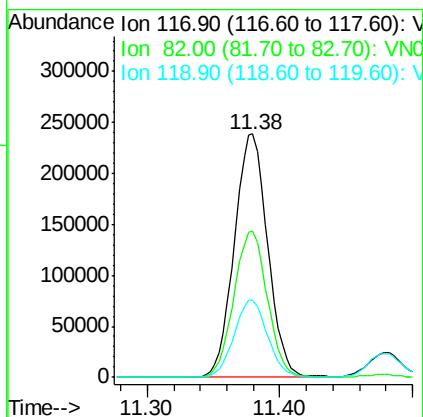
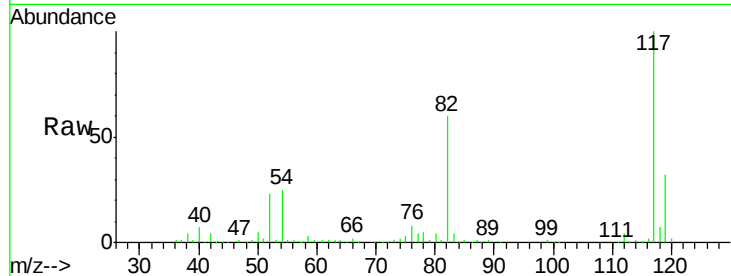
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	48.8	73.2
119	31.7	25.1	37.7

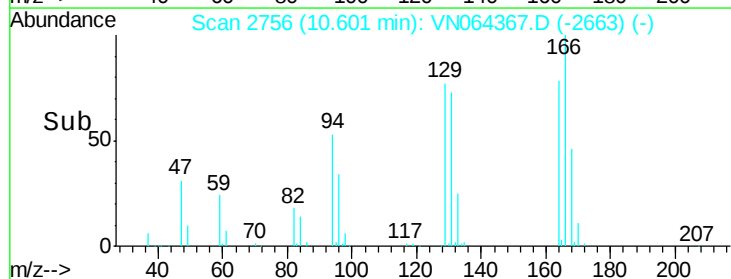
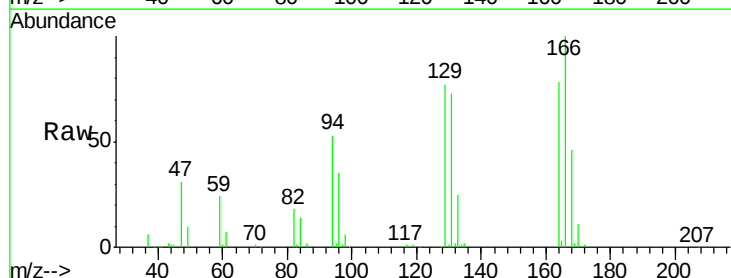
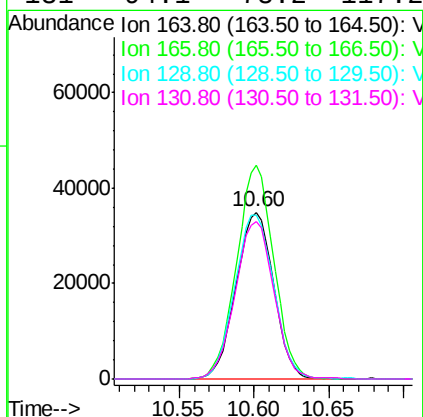
Manual Integrations
APPROVED

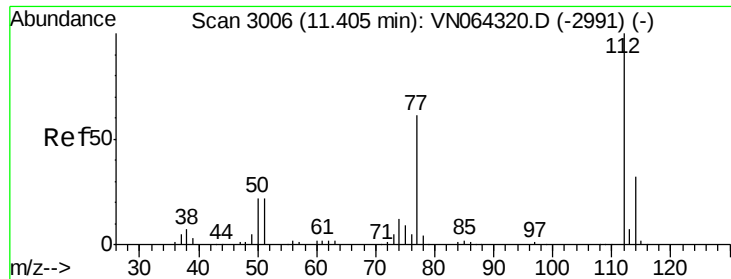
MMDadoda
10/30/2020 1:35:29 PM



#64
Tetrachloroethene
Concen: 17.851 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	100.7	151.1
129	98.6	83.7	125.5
131	94.1	78.2	117.2





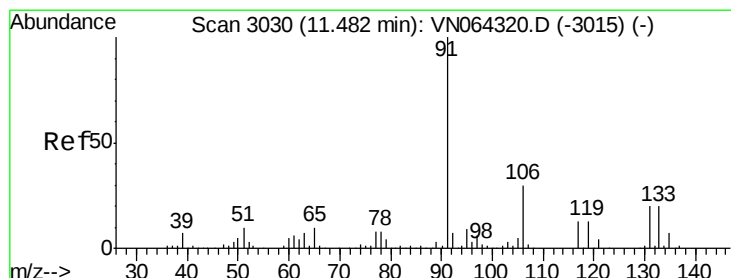
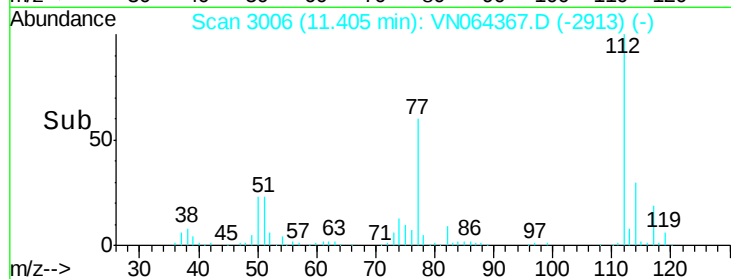
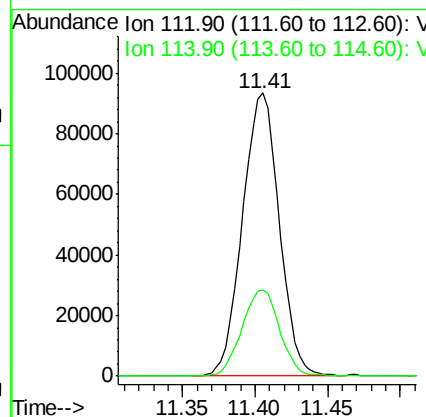
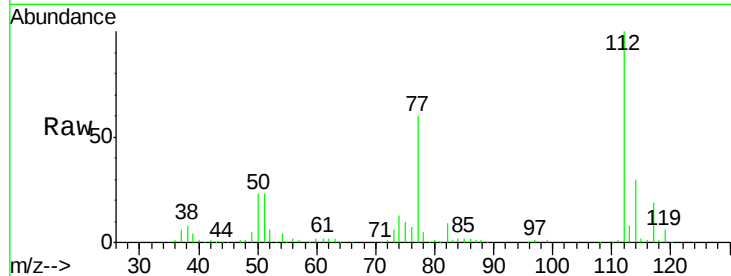
#65
Chlorobenzene
Concen: 19.460 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion:112 Resp: 164631
Ion Ratio Lower Upper
112 100
114 30.4 25.4 38.0

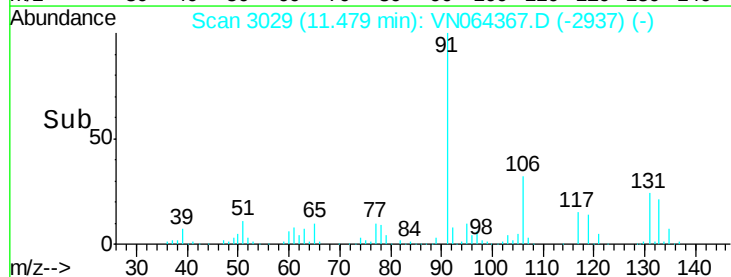
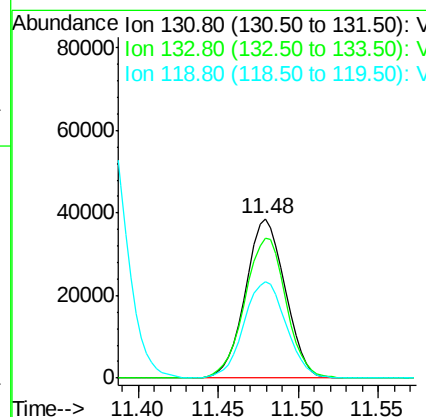
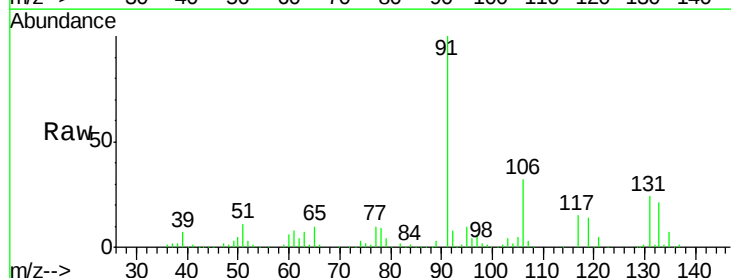
Manual Integrations
APPROVED

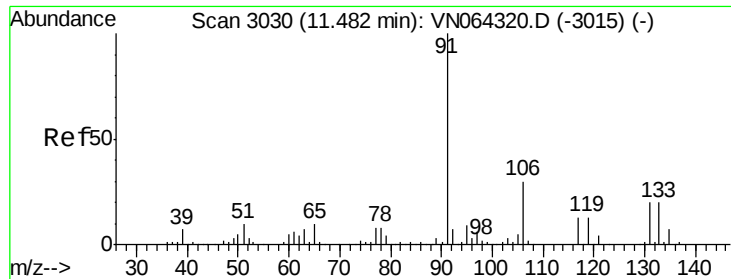
MMDadoda
10/30/2020 1:35:29 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.120 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion:131 Resp: 65379
Ion Ratio Lower Upper
131 100
133 91.5 49.3 147.8
119 64.6 32.3 96.9





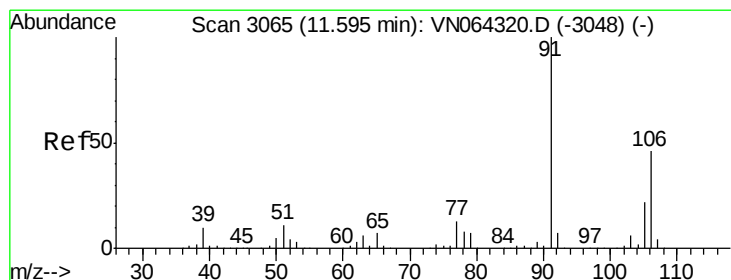
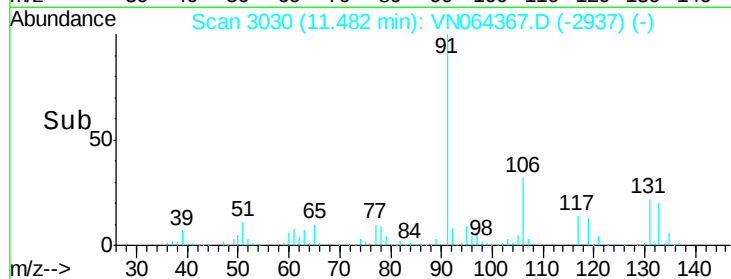
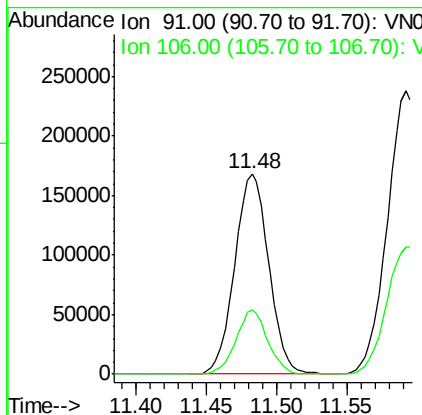
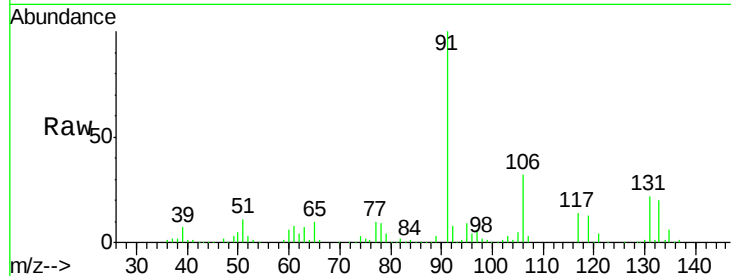
#67
Ethyl Benzene
Concen: 18.121 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion: 91 Resp: 285013
Ion Ratio Lower Upper
91 100
106 32.4 23.7 35.5

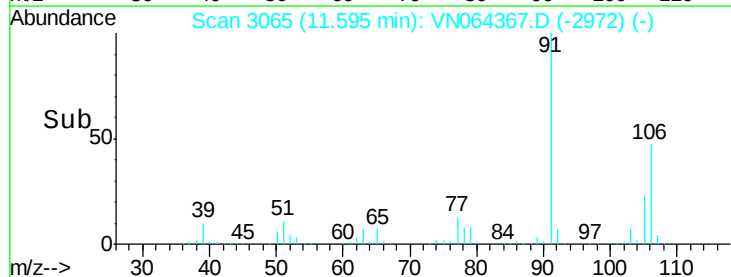
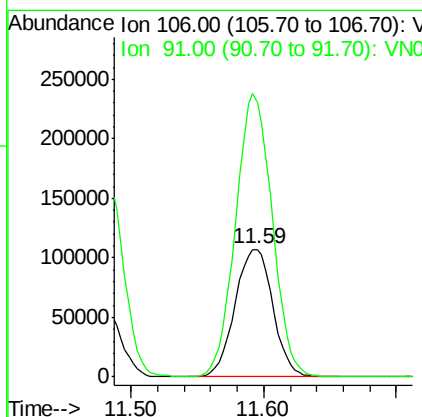
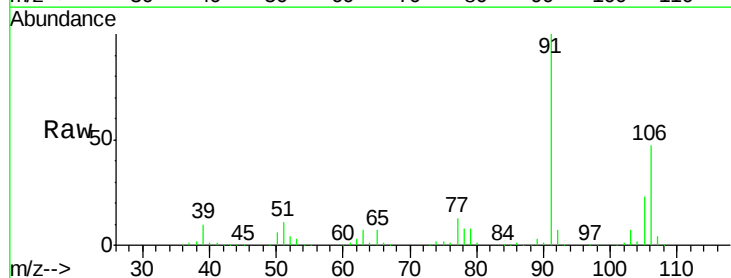
Manual Integrations
APPROVED

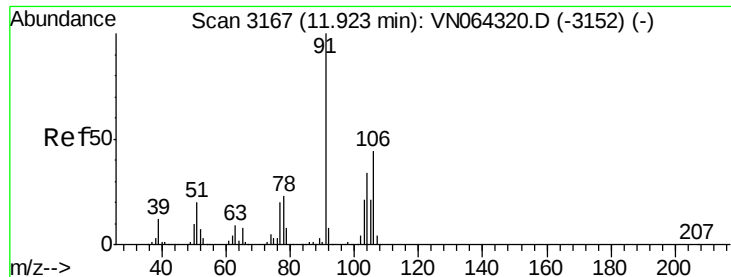
MMDadoda
10/30/2020 1:35:29 PM



#68
m/p-Xylenes
Concen: 36.220 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion: 106 Resp: 211117
Ion Ratio Lower Upper
106 100
91 216.1 170.2 255.4





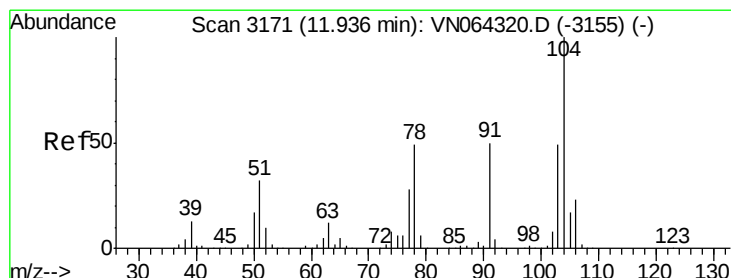
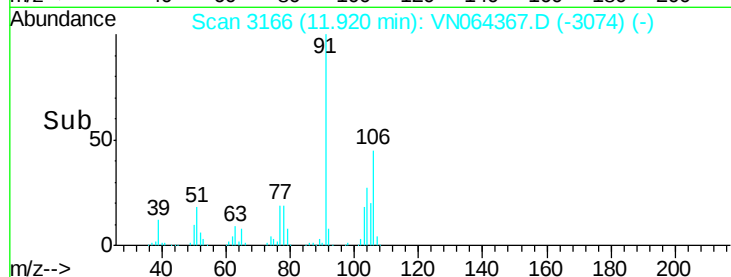
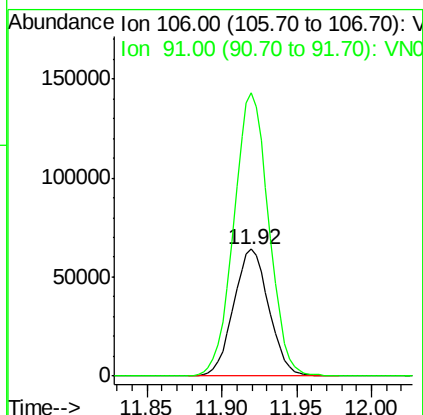
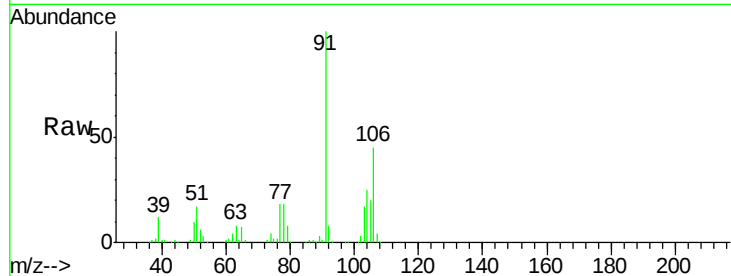
#69
o-Xylene
Concen: 18.724 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	105144		
91	91	220.5	114.5	343.5	

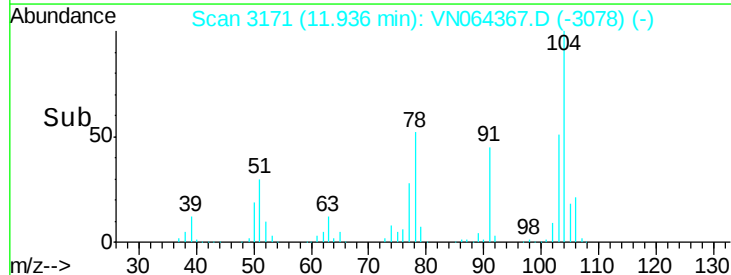
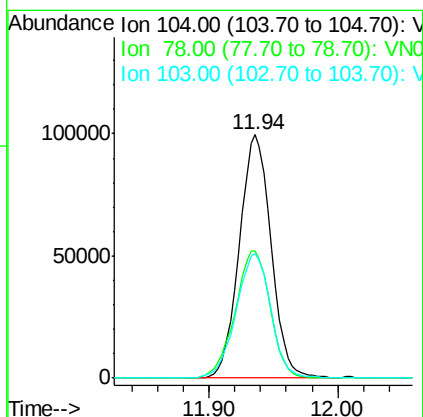
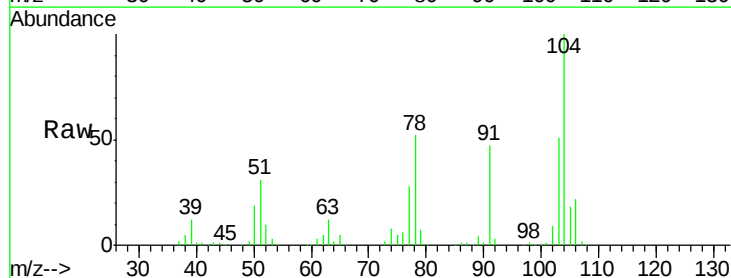
Manual Integrations
APPROVED

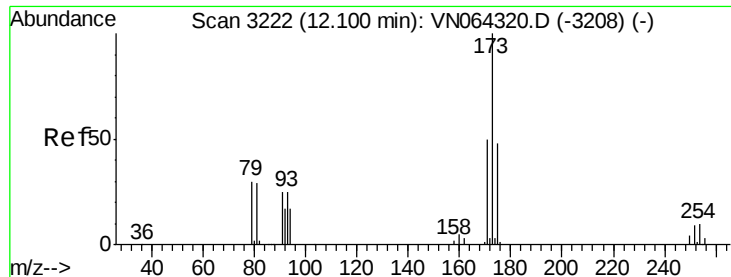
MMDadoda
10/30/2020 1:35:29 PM



#70
Styrene
Concen: 18.574 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	171014		
78	78	57.5	43.7	65.5	
103	103	55.8	43.3	64.9	





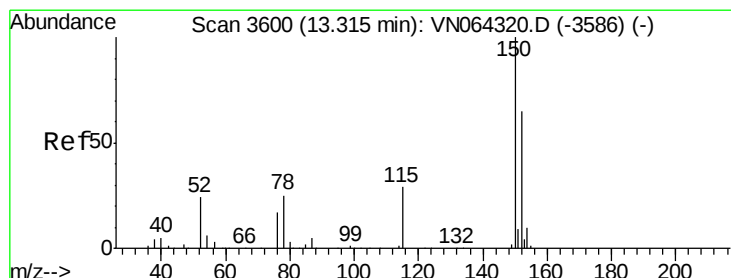
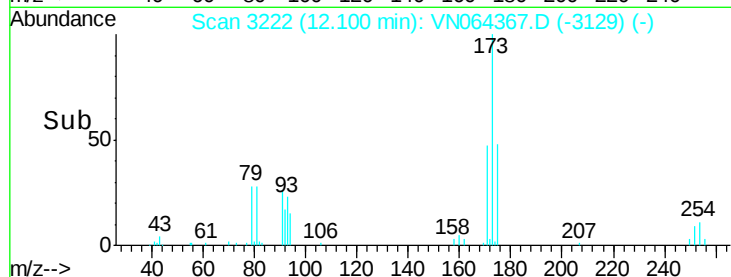
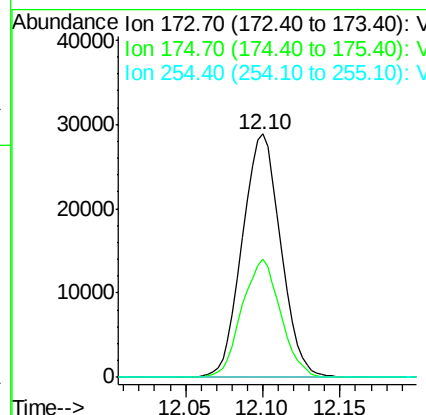
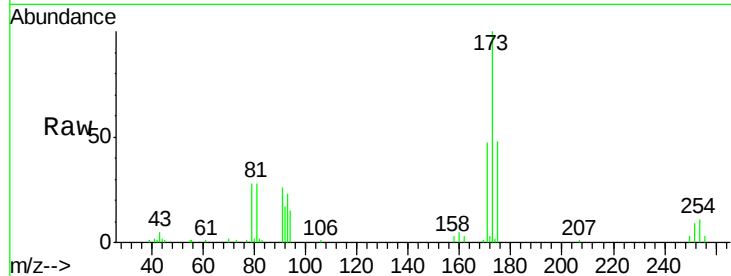
#71
Bromoform
Concen: 18.672 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	25.4	76.0
254	0.0	0.0	0.0

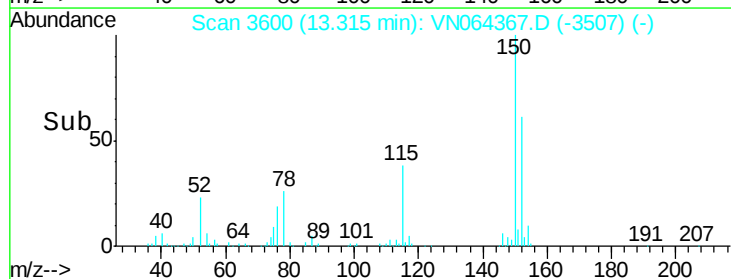
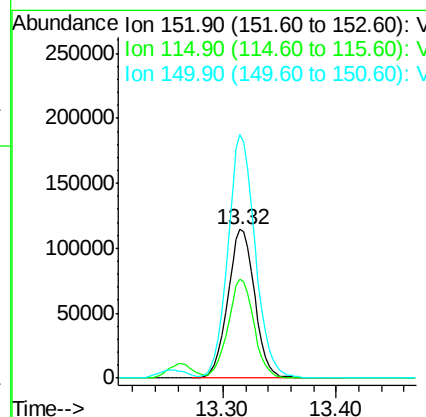
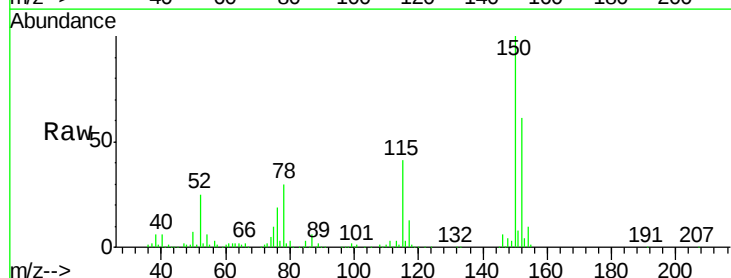
Manual Integrations
APPROVED

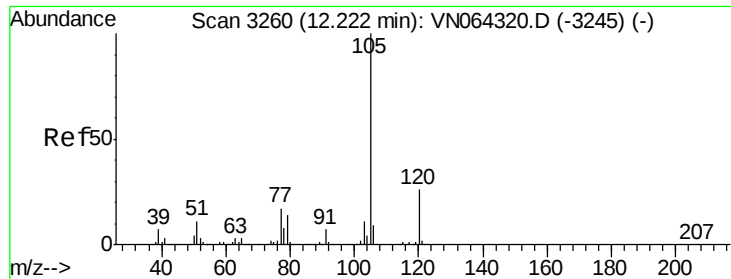
MMDadoda
10/30/2020 1:35:29 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	31.5	94.5
150	165.7	0.0	346.2





#73

Isopropylbenzene

Concen: 18.944 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 105 Resp: 267539

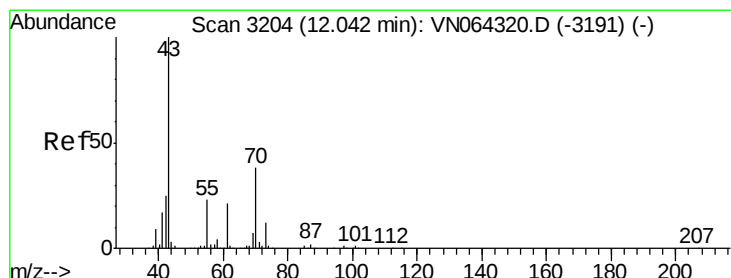
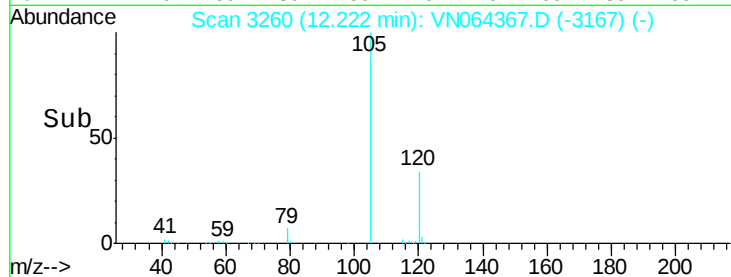
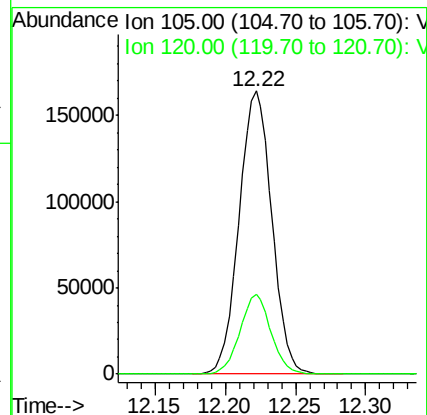
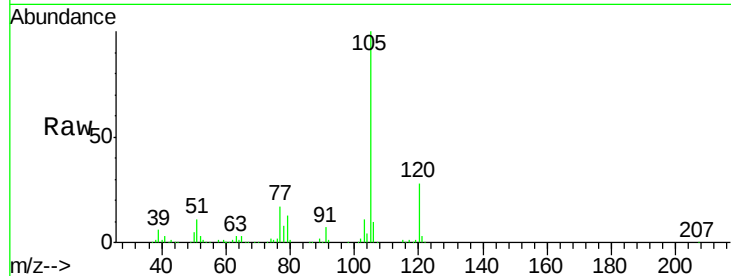
Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:29 PM



#74

N-ethyl acetate

Concen: 19.756 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Tgt Ion: 43 Resp: 122809

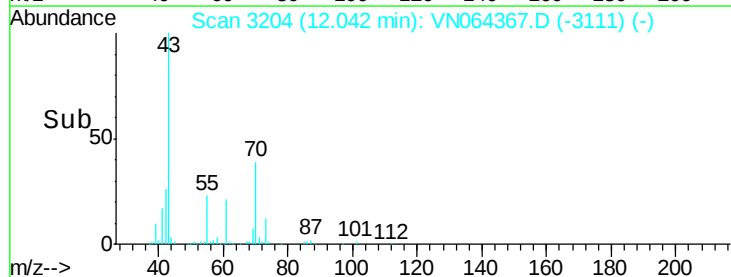
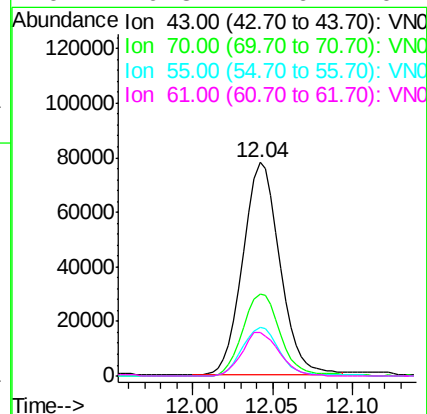
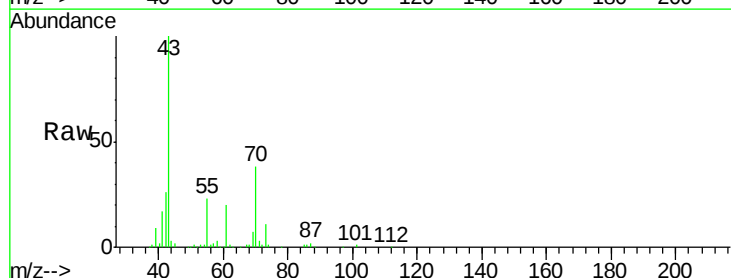
Ion Ratio Lower Upper

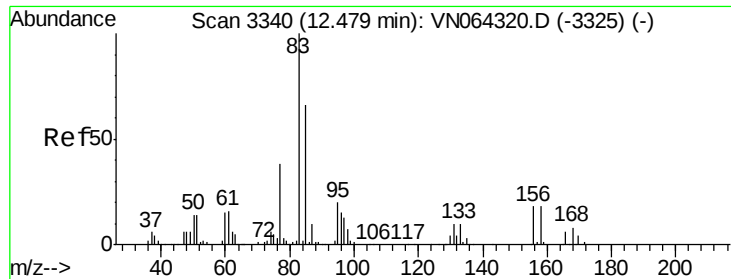
43 100

70 39.4 30.6 45.8

55 23.3 18.2 27.4

61 20.8 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.336 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

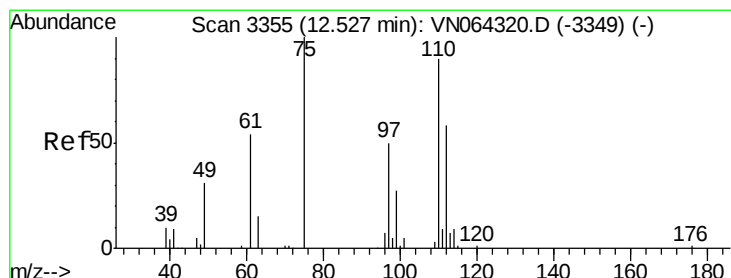
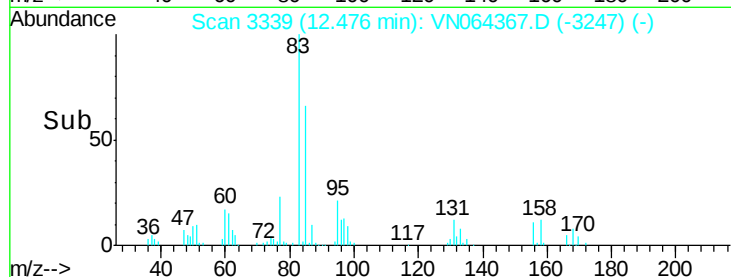
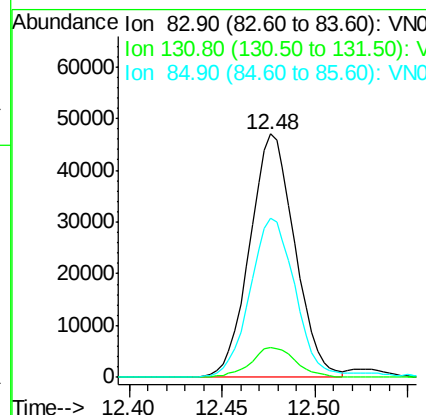
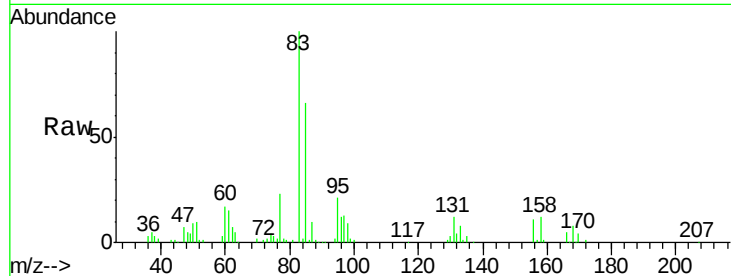
ClientSampleId :

VN1029WBS01

Tot Ion:	83	Resp:	79378
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.4	16.2
85	65.9	33.0	98.9

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:29 PM



#76

1,2,3-Trichloropropane

Concen: 17.353 ug/l m

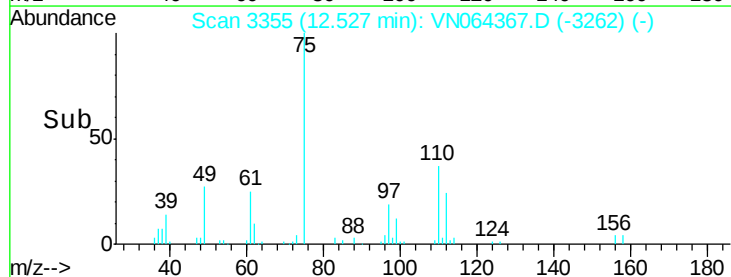
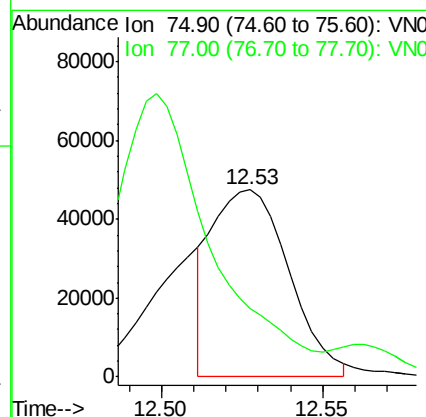
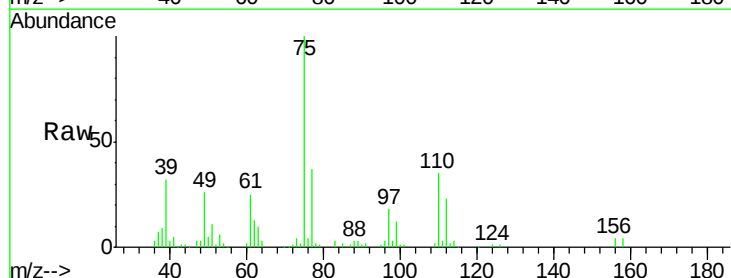
RT: 12.53 min Scan# 3355

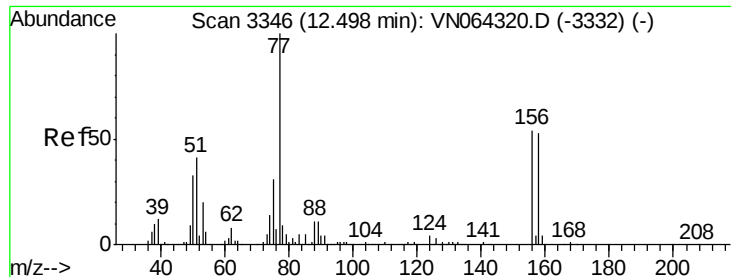
Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Tgt Ion:	75	Resp:	78360
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.261 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

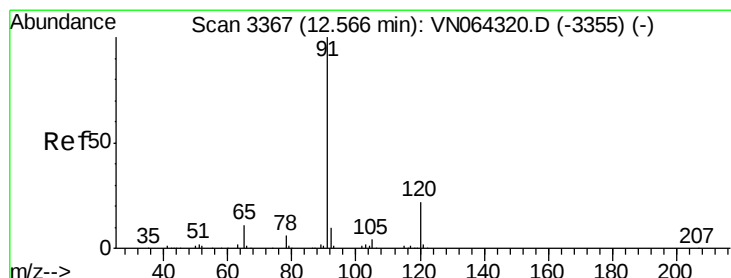
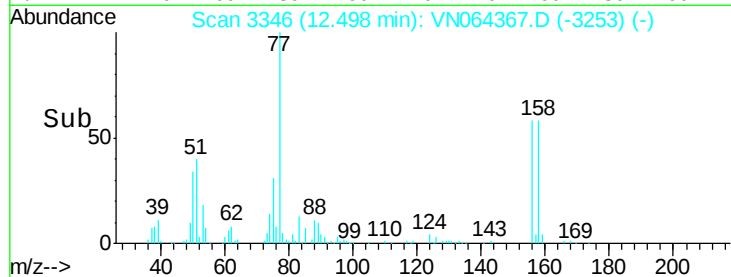
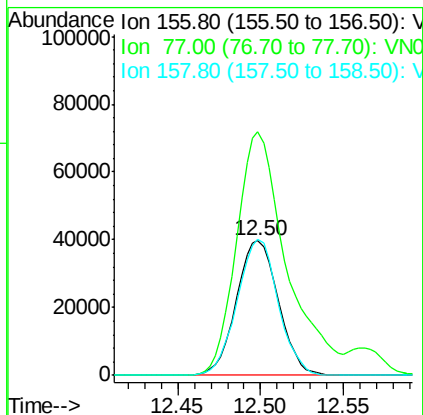
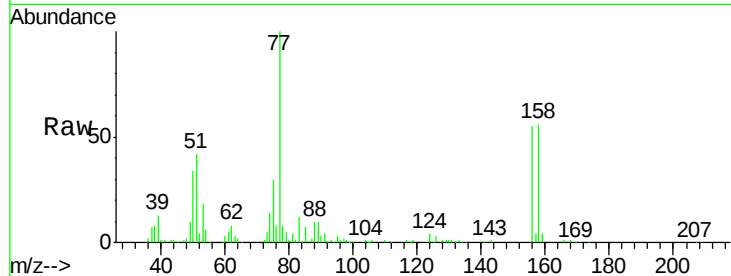
ClientSampleId :

VN1029WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	216.2	111.9	335.7
158	98.3	49.0	147.0

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:29 PM



#78

n-propylbenzene

Concen: 18.484 ug/l

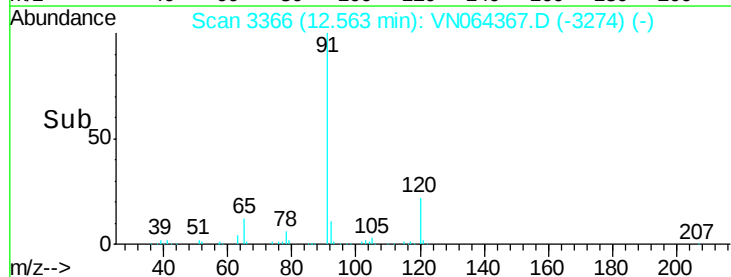
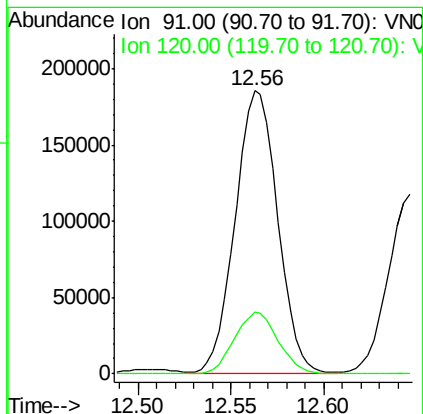
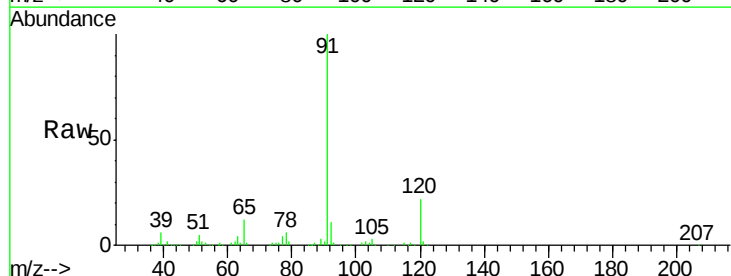
RT: 12.56 min Scan# 3366

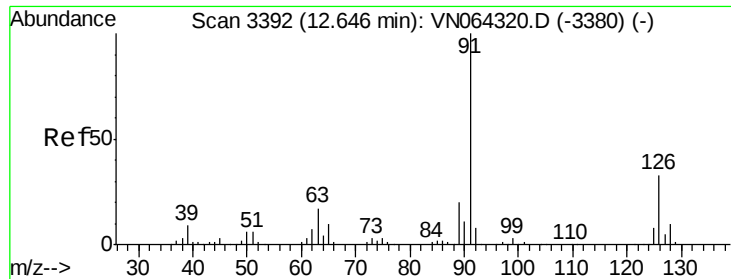
Delta R.T. -0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.283 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 91 Resp: 197088

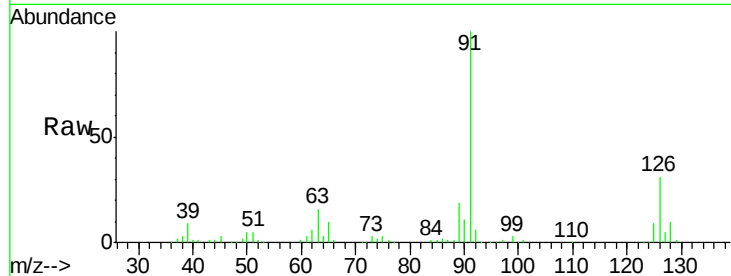
Ion Ratio Lower Upper

91 100

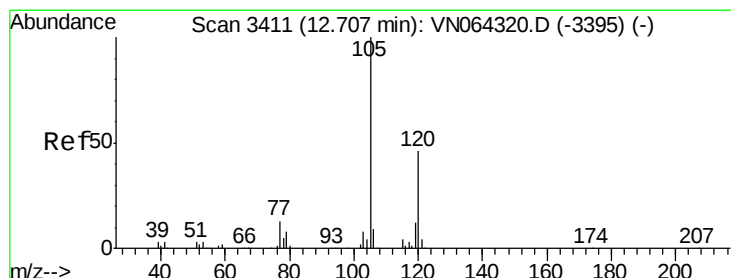
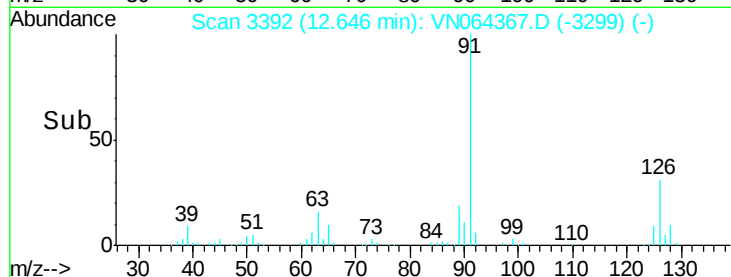
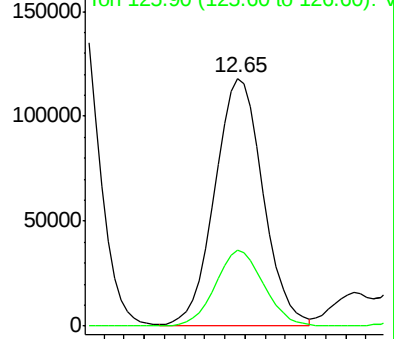
126 30.7 16.2 48.5

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:29 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064367.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.409 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064367.D

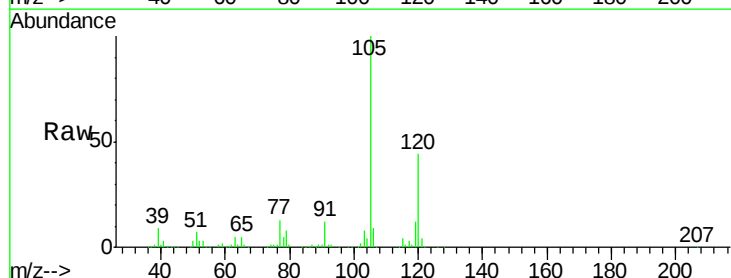
Acq: 29 Oct 2020 12:31

Tgt Ion: 105 Resp: 219982

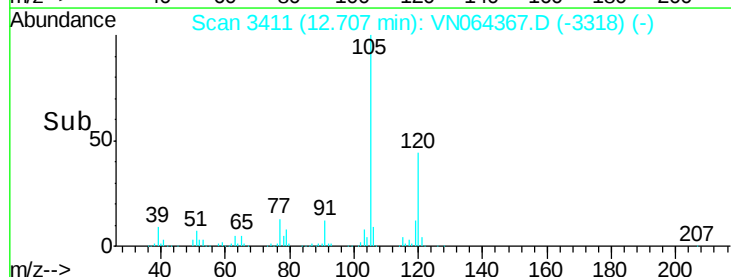
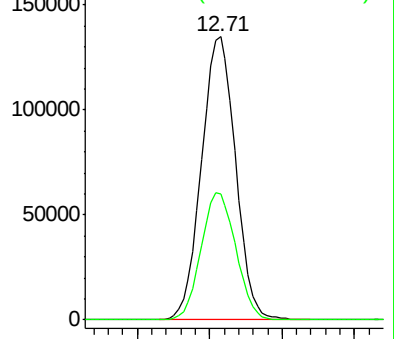
Ion Ratio Lower Upper

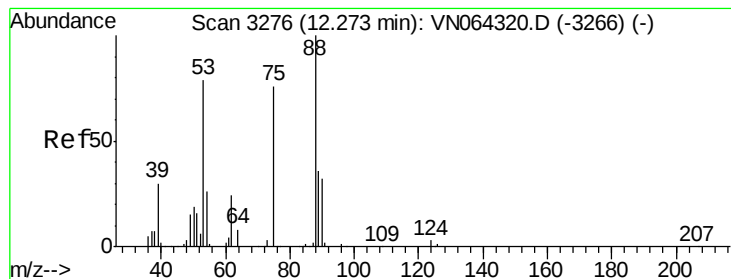
105 100

120 45.8 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064367.D (-3318) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.478 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

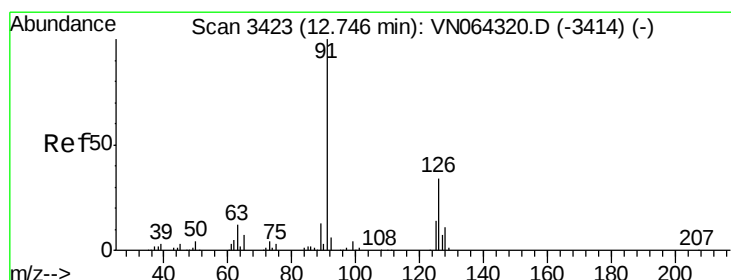
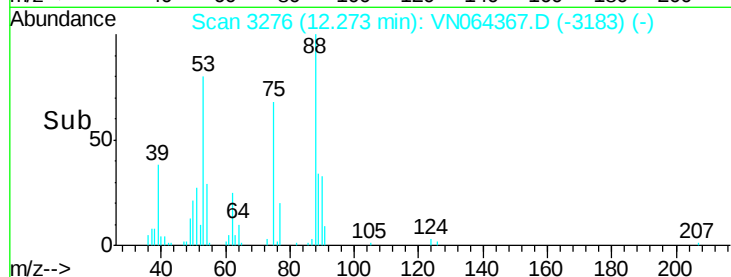
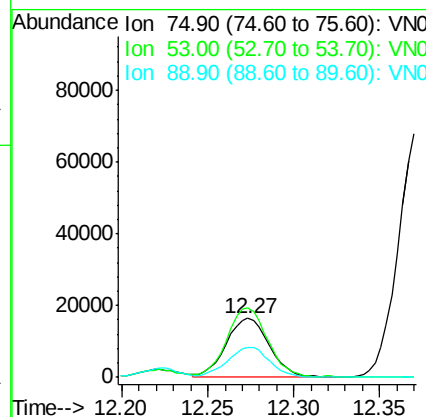
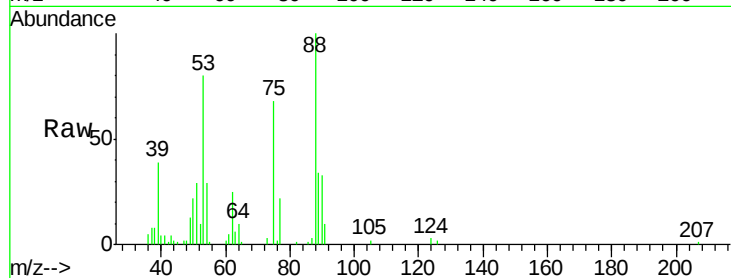
ClientSampleId :

VN1029WBS01

Tot Ion:	75	Resp:	28967
Ion Ratio	Lower	Upper	
75	100		
53	108.2	81.8	122.8
89	49.8	39.9	59.9

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:29 PM



#82

4-Chlorotoluene

Concen: 19.615 ug/l

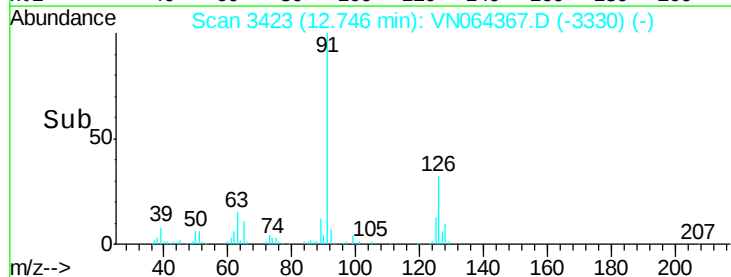
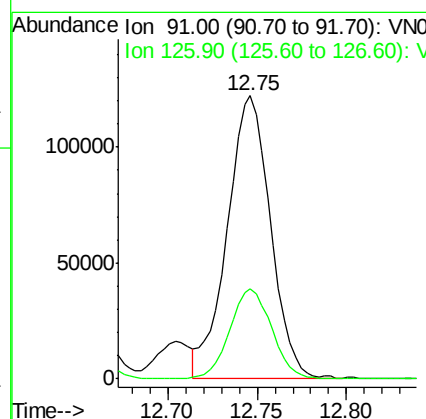
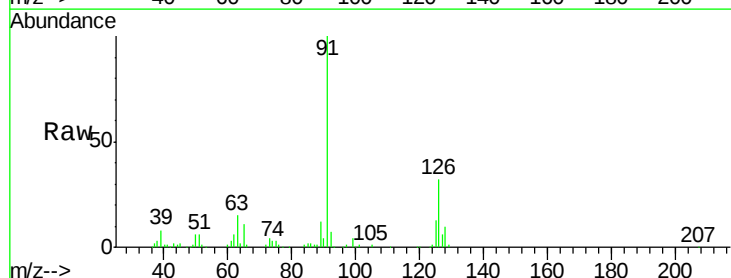
RT: 12.75 min Scan# 3423

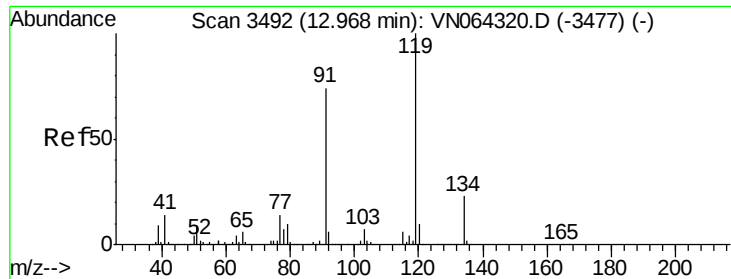
Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Tgt Ion:	91	Resp:	204240
Ion Ratio	Lower	Upper	
91	100		
126	31.2	15.8	47.3





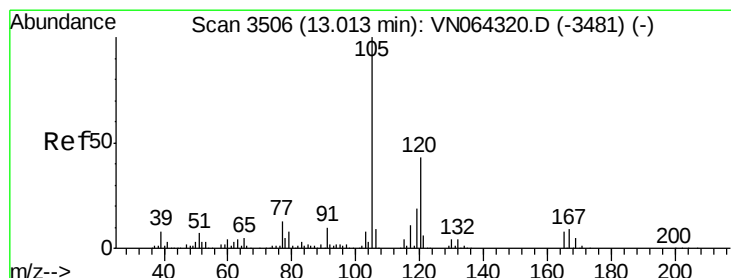
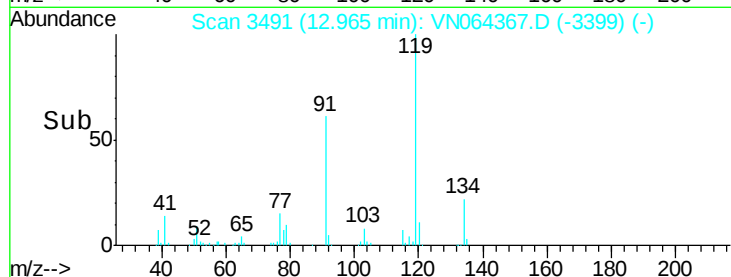
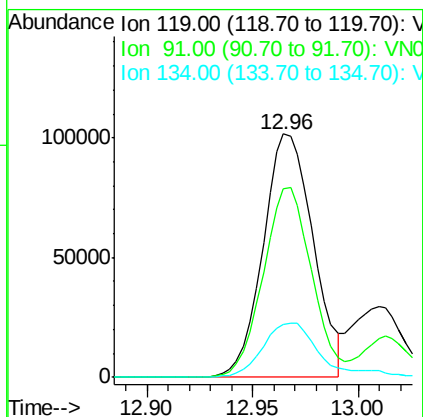
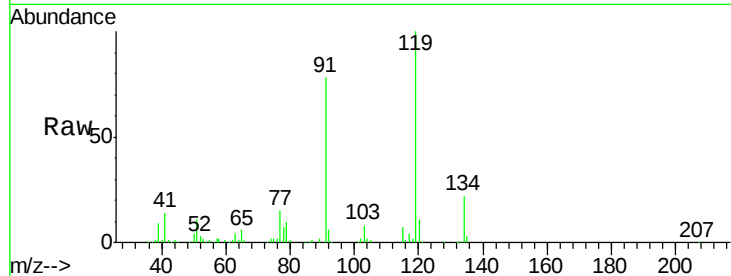
#83
tert-Butylbenzene
Concen: 17.144 ug/l
RT: 12.96 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	168109		
91	75.7	36.4	109.1	
134	24.2	12.0	36.1	

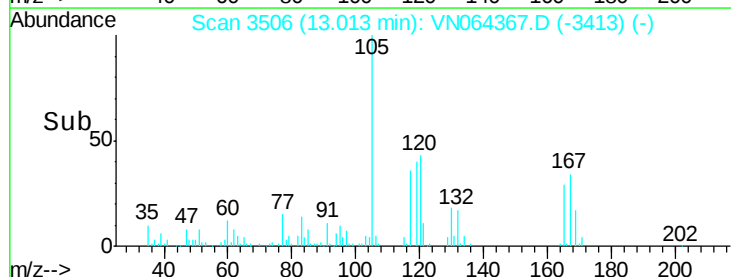
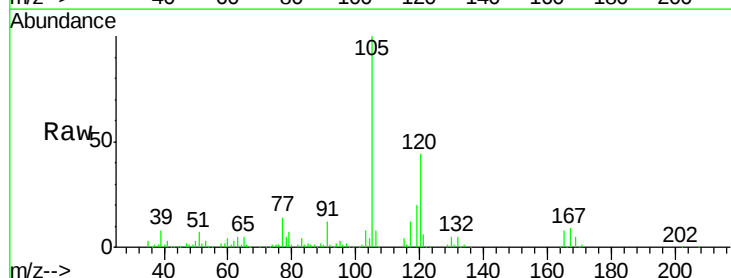
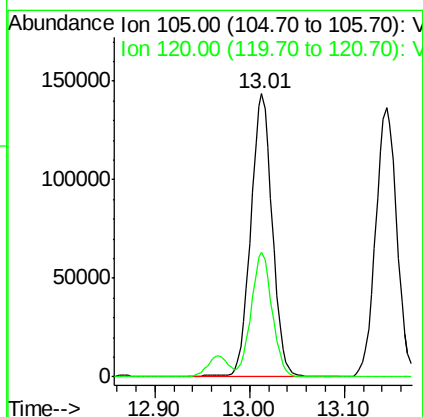
Manual Integrations
APPROVED

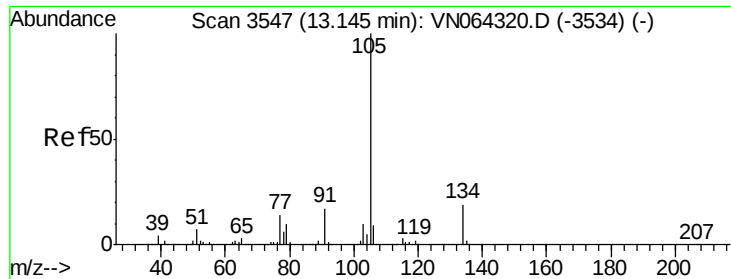
MMDadoda
10/30/2020 1:35:29 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.027 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	227194		
120	43.0	21.3	64.0	





#85

sec-Butylbenzene

Concen: 16.739 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion:105 Resp: 212406

Ion Ratio Lower Upper

105 100

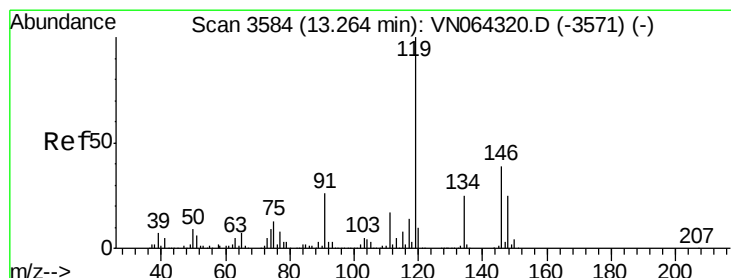
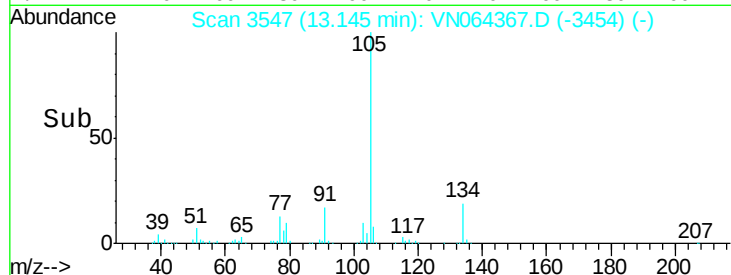
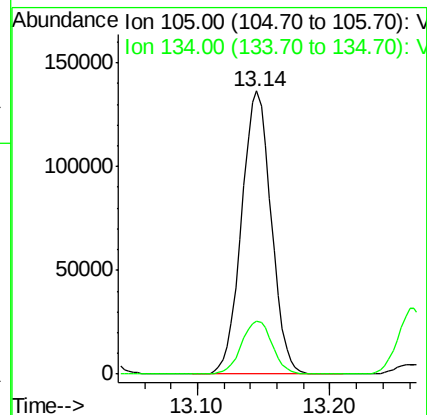
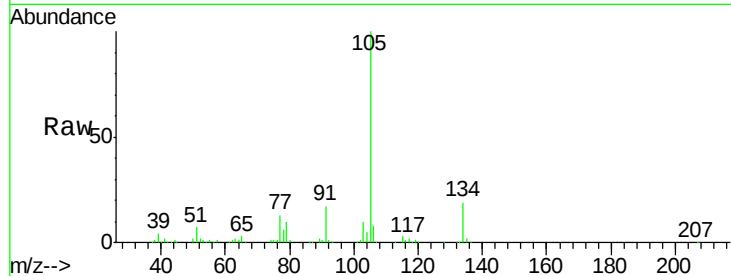
134 19.4 9.6 28.8

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:35:29 PM



#86

p-Isopropyltoluene

Concen: 17.425 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

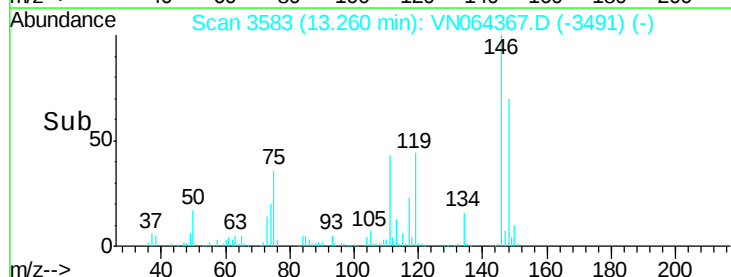
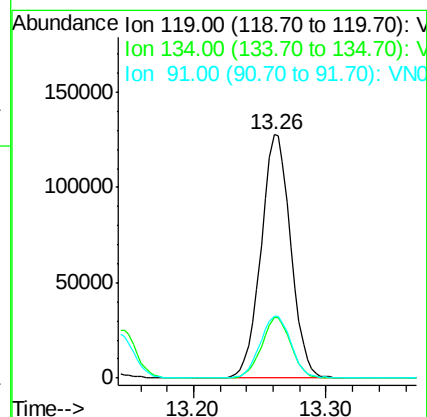
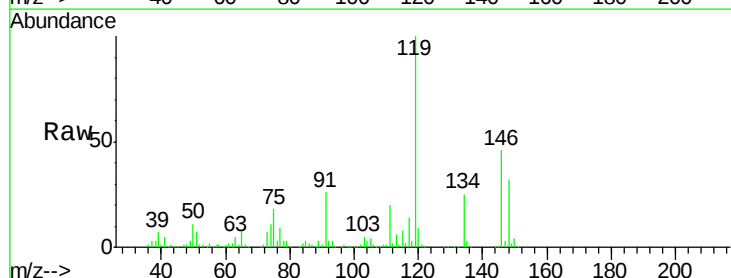
Tgt Ion:119 Resp: 199204

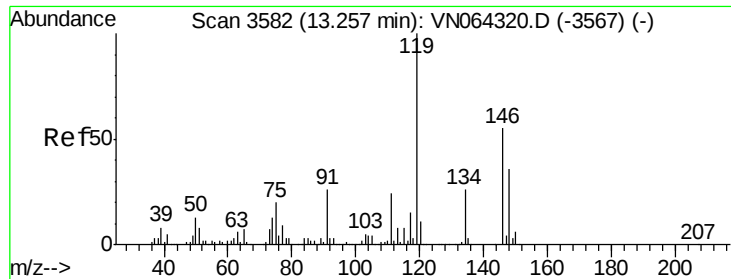
Ion Ratio Lower Upper

119 100

134 24.7 12.8 38.4

91 26.7 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 18.655 ug/l

RT: 13.25 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

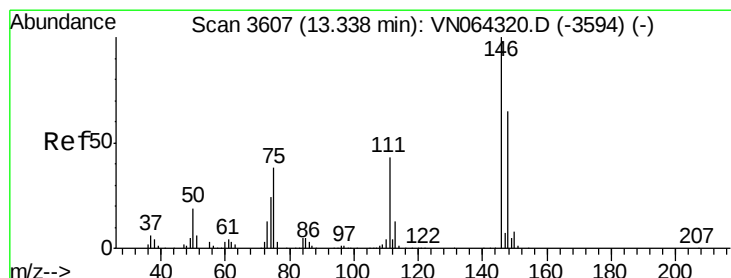
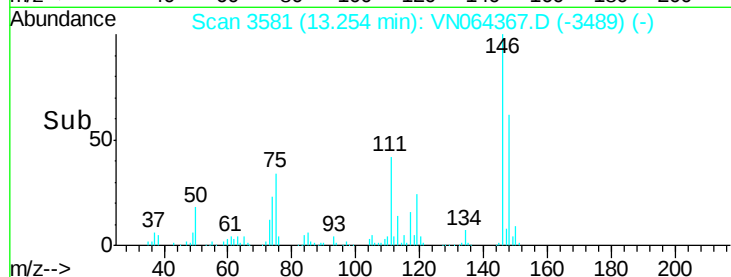
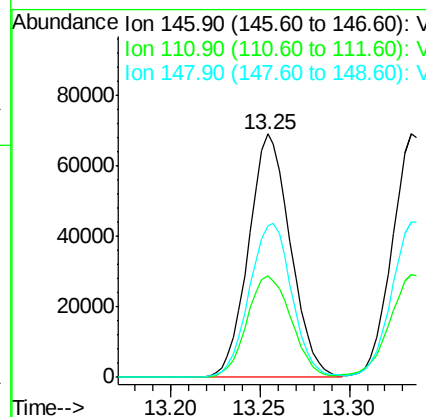
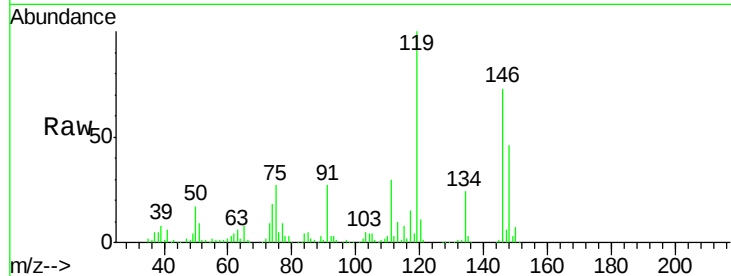
ClientSampleId :

VN1029WBS01

Tot Ion:	146	Resp:	112937
Ion Ratio	Lower	Upper	
146	100		
111	44.0	21.9	65.5
148	64.5	32.6	98.0

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:29 PM



#88

1,4-Dichlorobenzene

Concen: 18.688 ug/l

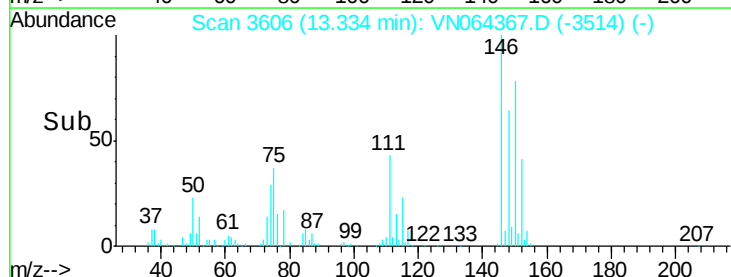
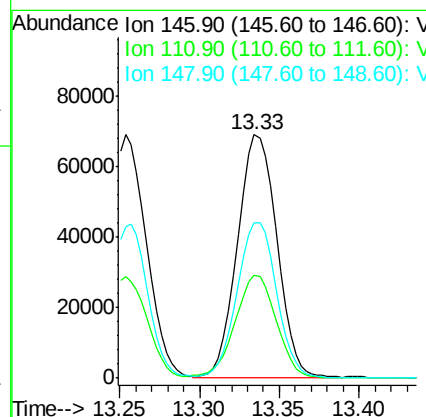
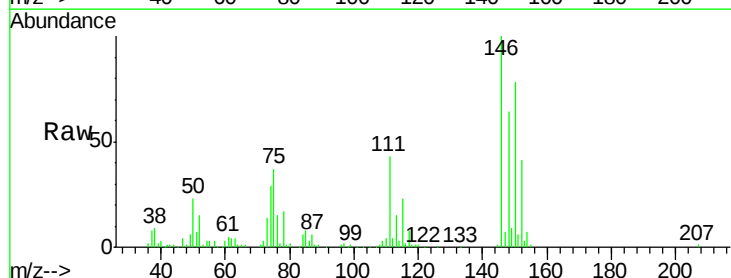
RT: 13.33 min Scan# 3606

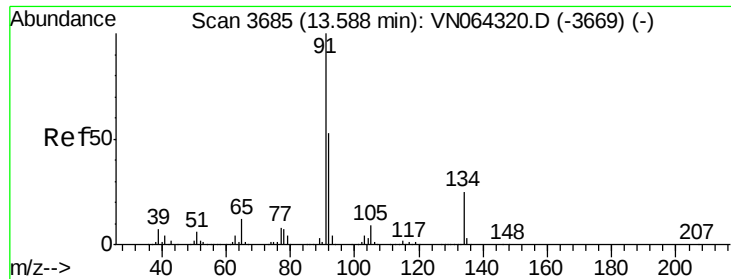
Delta R.T. -0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Tgt Ion:	146	Resp:	115231
Ion Ratio	Lower	Upper	
146	100		
111	44.9	21.8	65.4
148	63.9	31.8	95.3





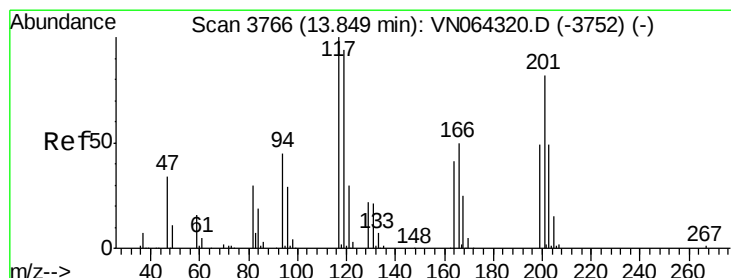
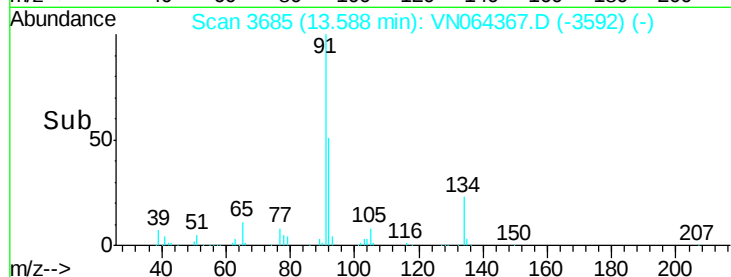
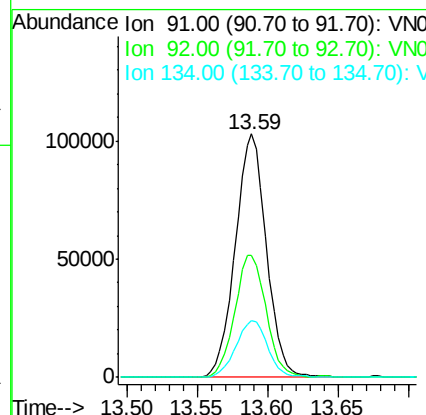
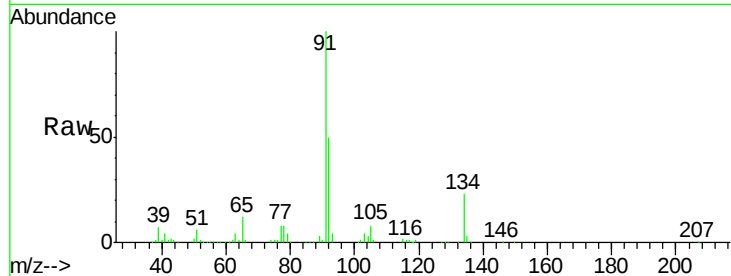
#89
n-Butylbenzene
Concen: 15.807 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	159194		
92	50.5	26.2	78.5	
134	23.9	12.4	37.4	

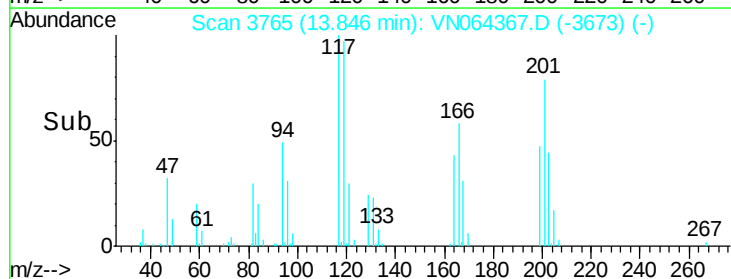
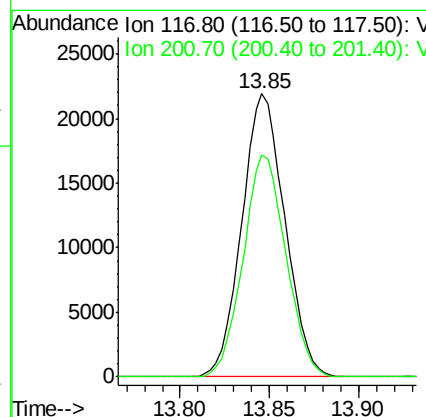
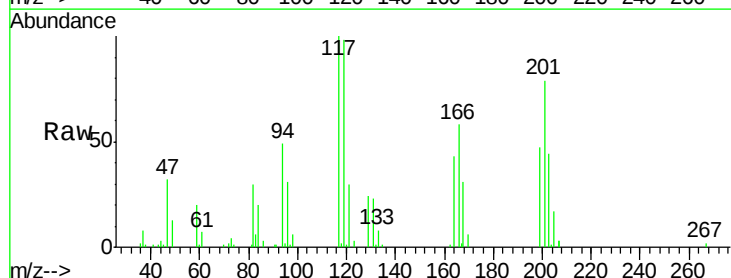
Manual Integrations
APPROVED

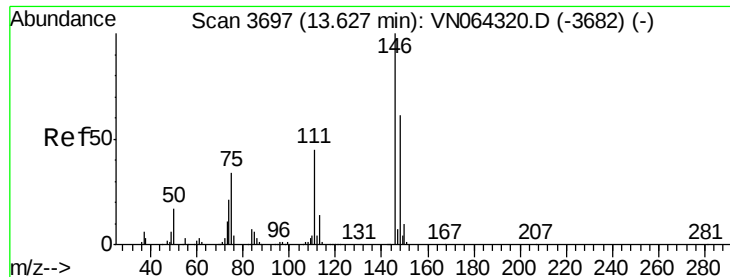
MMDadoda
10/30/2020 1:35:29 PM



#90
Hexachloroethane
Concen: 17.230 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064367.D
Acq: 29 Oct 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36992		
201	77.8	39.8	119.3	





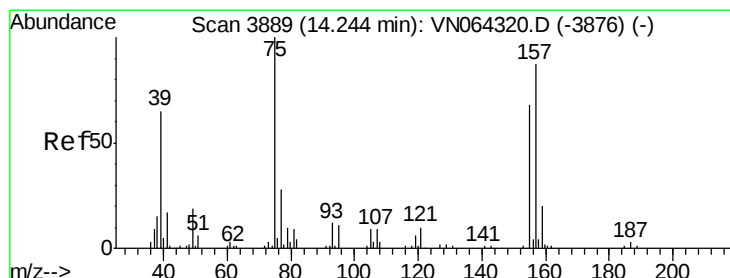
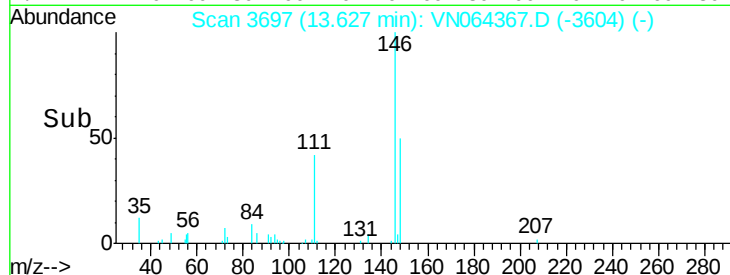
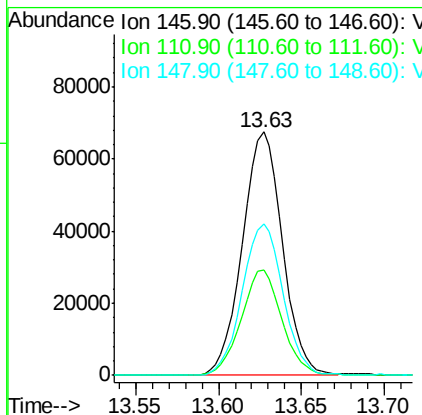
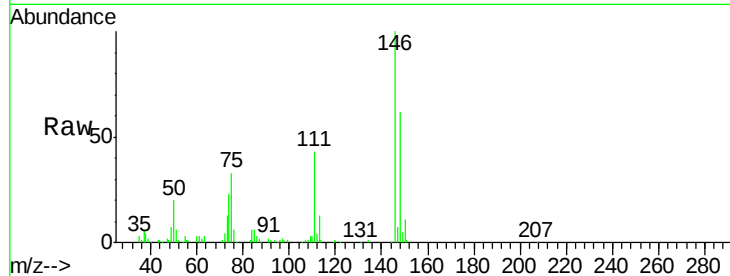
#91
 1,2-Dichlorobenzene
 Concen: 18.833 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	113352		
111	44.0	23.0	69.0	
148	63.4	32.1	96.3	

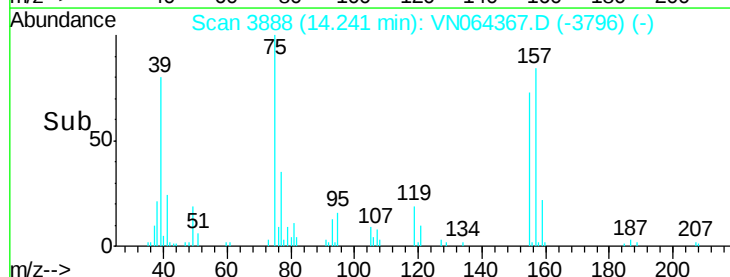
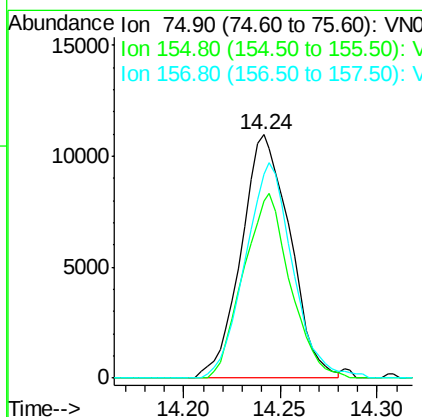
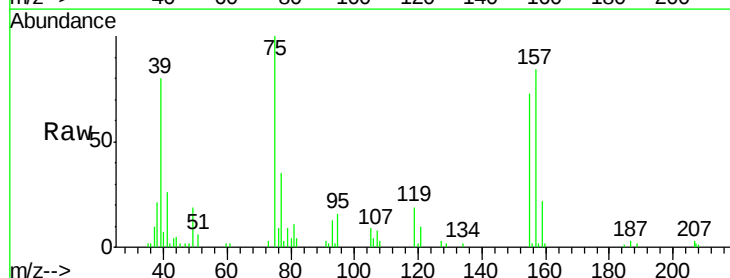
Manual Integrations
 APPROVED

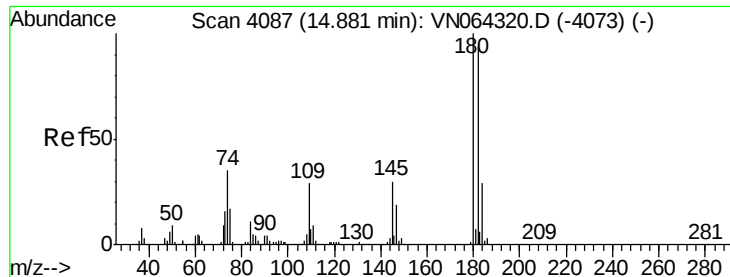
MMDadoda
 10/30/2020 1:35:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.980 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19333		
155	72.6	35.1	105.5	
157	85.8	43.2	129.6	





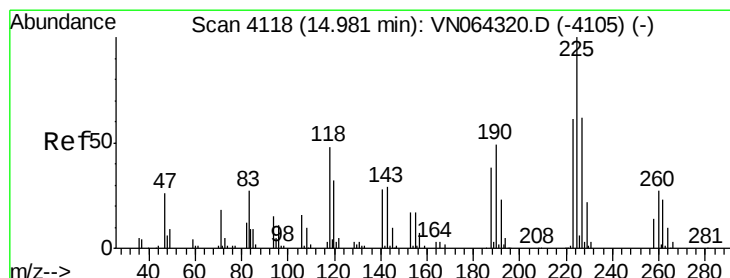
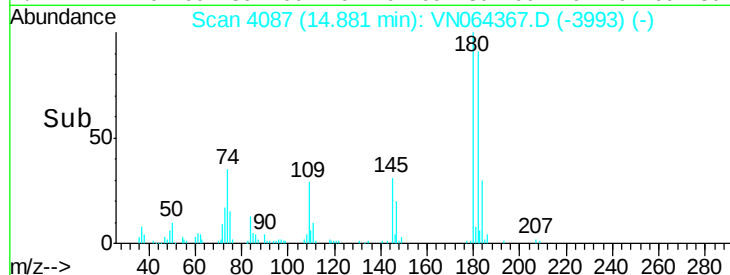
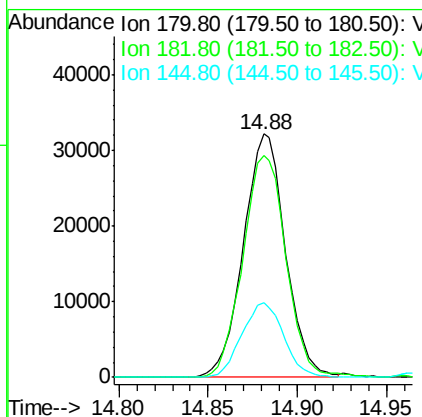
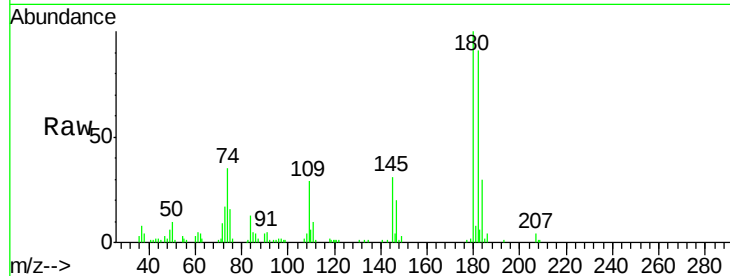
#93
 1,2,4-Trichlorobenzene
 Concen: 16.674 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	52831		
182	94.1	46.6	139.7	
145	30.5	15.3	45.9	

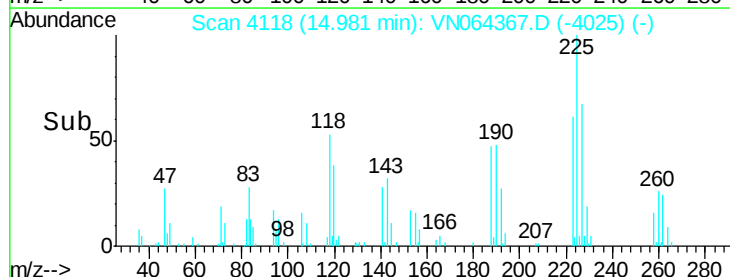
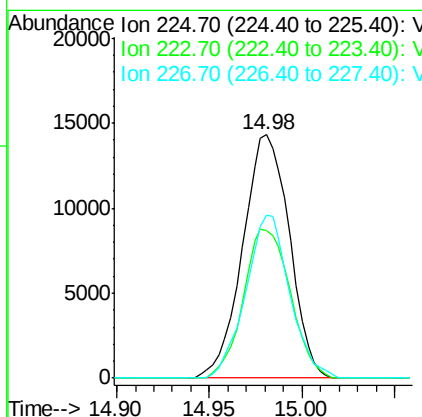
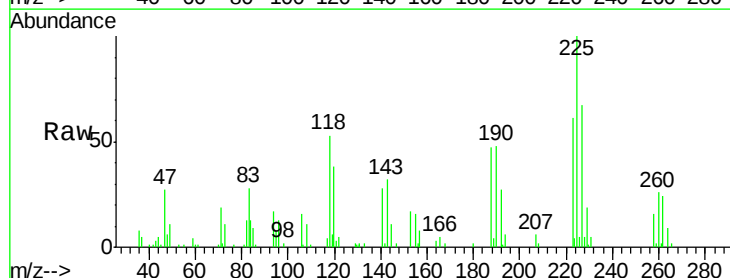
Manual Integrations
 APPROVED

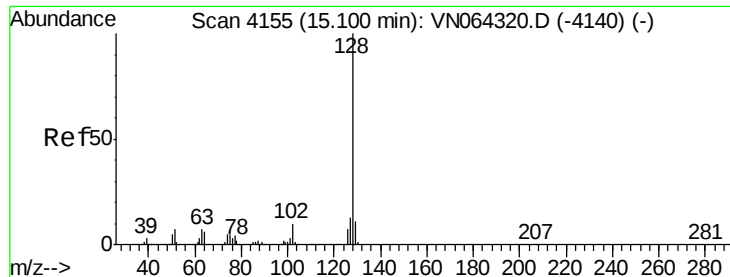
MMDadoda
 10/30/2020 1:35:29 PM



#94
 Hexachlorobutadiene
 Concen: 13.526 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064367.D
 Acq: 29 Oct 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24983		
223	61.5	31.3	93.8	
227	63.2	32.3	96.9	





#95

Naphthalene

Concen: 17.548 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Instrument :

MSVOA_N

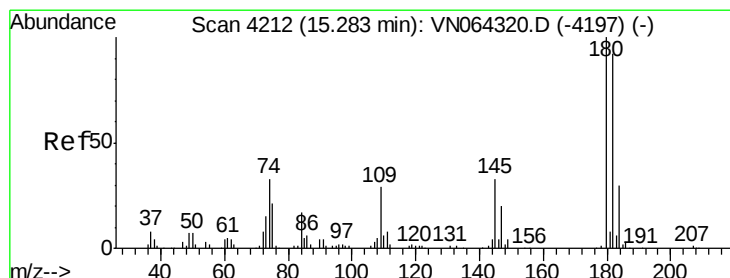
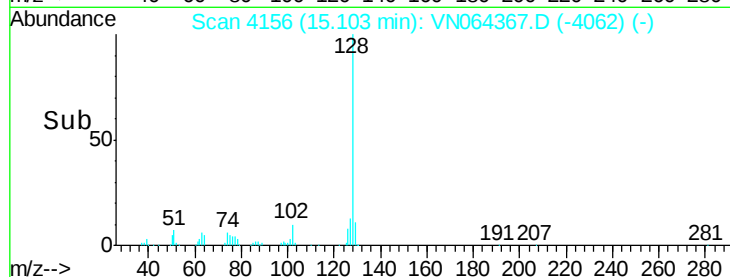
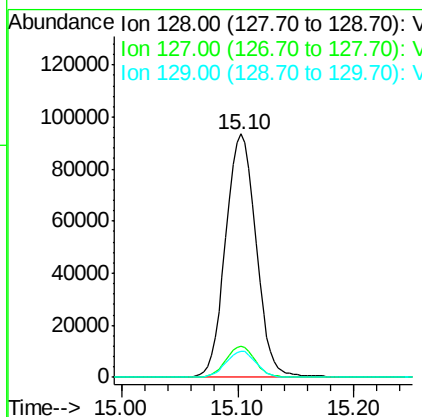
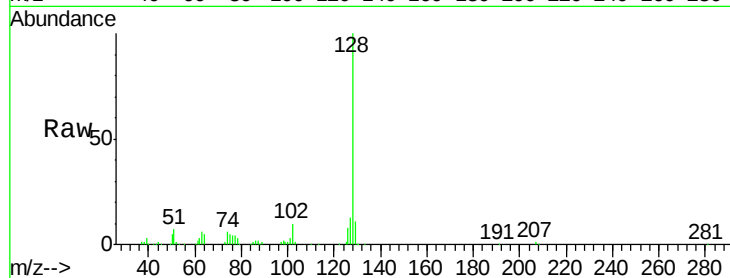
ClientSampleId :

VN1029WBS01

Tot Ion:	128	Resp:	169675
Ion Ratio	Lower	Upper	
128	100		
127	12.1	10.4	15.6
129	10.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:29 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.843 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064367.D

Acq: 29 Oct 2020 12:31

Tgt Ion:	180	Resp:	51118
Ion Ratio	Lower	Upper	
180	100		
182	93.9	46.1	138.3
145	33.6	16.2	48.5

