

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
 Data File : VN064626.D
 Acq On : 13 Nov 2020 12:57
 Operator : JC/MD
 Sample : VN1113WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 6:41:29 PM

Quant Time: Nov 17 02:32:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	273865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	486127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	457123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	208905	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	245492	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
35) Dibromofluoromethane	7.55	113	171584	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	10.06	98	621864	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.38	95	225784	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	63341	17.767	ug/l	98
3) Chloromethane	2.04	50	74857	17.287	ug/l	100
4) Vinyl Chloride	2.17	62	79719	17.928	ug/l	97
5) Bromomethane	2.54	94	54578	19.213	ug/l	91
6) Chloroethane	2.68	64	54511	19.147	ug/l	96
7) Trichlorofluoromethane	2.99	101	132429	20.225	ug/l	98
8) Diethyl Ether	3.38	74	47561	20.569	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	59547	19.151	ug/l	99
10) Methyl Iodide	3.91	142	67793	18.764	ug/l	97
11) Tert butyl alcohol	4.75	59	52227	99.278	ug/l	98
12) 1,1-Dichloroethene	3.69	96	52290	17.853	ug/l	97
13) Acrolein	3.57	56	19358	59.324	ug/l	99
14) Allyl chloride	4.27	41	96880	16.909	ug/l	97
15) Acrylonitrile	4.93	53	147112	100.443	ug/l	97
16) Acetone	3.78	43	168463	92.710	ug/l	97
17) Carbon Disulfide	4.00	76	154130	17.597	ug/l	100
18) Methyl Acetate	4.28	43	76612	21.446	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	184595	17.511	ug/l	99
20) Methylene Chloride	4.51	84	68115	18.893	ug/l	91
21) trans-1,2-Dichloroethene	4.99	96	59171	17.793	ug/l	98
22) Diisopropyl ether	5.91	45	216895	17.833	ug/l	97
23) Vinyl Acetate	5.85	43	900339	90.998	ug/l	100
24) 1,1-Dichloroethane	5.80	63	124554	18.637	ug/l	99
25) 2-Butanone	6.79	43	222998	96.318	ug/l	100
26) 2,2-Dichloropropane	6.78	77	110005	18.183	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	69324	17.990	ug/l	97
28) Bromochloromethane	7.15	49	61873	18.835	ug/l	99
29) Tetrahydrofuran	7.17	42	141119	99.348	ug/l	100
30) Chloroform	7.33	83	132795	18.903	ug/l	99
31) Cyclohexane	7.61	56	91106	15.711	ug/l #	94
32) 1,1,1-Trichloroethane	7.53	97	119069	19.109	ug/l	99
36) 1,1-Dichloropropene	7.75	75	89426	17.413	ug/l	98
37) Ethyl Acetate	6.89	43	94457	18.608	ug/l	98
38) Carbon Tetrachloride	7.73	117	99589	18.144	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
 Data File : VN064626.D
 Acq On : 13 Nov 2020 12:57
 Operator : JC/MD
 Sample : VN1113WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 6:41:29 PM

Quant Time: Nov 17 02:32:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	79533	17.276	ug/l	95
40) Benzene	8.00	78	267549	17.729	ug/l	99
41) Methacrylonitrile	7.14	41	45647m	20.048	ug/l	
42) 1,2-Dichloroethane	8.09	62	119396	19.605	ug/l	99
43) Isopropyl Acetate	8.13	43	156469	18.800	ug/l	98
44) Trichloroethene	8.80	130	71150	18.687	ug/l	98
45) 1,2-Dichloropropane	9.09	63	74902	18.602	ug/l	97
46) Dibromomethane	9.17	93	53263	20.094	ug/l	97
47) Bromodichloromethane	9.37	83	113591	19.930	ug/l	96
48) Methyl methacrylate	9.17	41	77062	18.350	ug/l	97
49) 1,4-Dioxane	9.17	88	22040	398.444	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	489297	100.813	ug/l	100
52) Toluene	10.12	92	171008	18.579	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	110314	18.256	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	118346	18.319	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	72054	20.073	ug/l	99
56) Ethyl methacrylate	10.40	69	93556	17.099	ug/l	98
57) 1,3-Dichloropropane	10.68	76	121060	19.322	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.67	63	246001	102.095	ug/l	97
59) 2-Hexanone	10.72	43	346989	90.288	ug/l	99
60) Dibromochloromethane	10.87	129	79812	19.859	ug/l	99
61) 1,2-Dibromoethane	10.98	107	72027	19.782	ug/l	98
64) Tetrachloroethene	10.60	164	65108	18.490	ug/l	97
65) Chlorobenzene	11.41	112	178508	17.813	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	71861	19.222	ug/l	99
67) Ethyl Benzene	11.48	91	309489	17.363	ug/l	100
68) m/p-Xylenes	11.60	106	228880	35.406	ug/l	99
69) o-Xylene	11.92	106	108003	17.290	ug/l	100
70) Styrene	11.94	104	183884	17.494	ug/l	98
71) Bromoform	12.10	173	51506	19.156	ug/l #	99
73) Isopropylbenzene	12.22	105	282985	17.043	ug/l	99
74) N-amyl acetate	12.05	43	125920	16.471	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	99624	19.534	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	95123m	18.793	ug/l	
77) Bromobenzene	12.50	156	72208	17.812	ug/l	98
78) n-propylbenzene	12.57	91	341687	18.050	ug/l	98
79) 2-Chlorotoluene	12.65	91	216983	18.072	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	242390	17.695	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	31086	17.148	ug/l	90
82) 4-Chlorotoluene	12.75	91	223781	17.797	ug/l	100
83) tert-Butylbenzene	12.97	119	188955	17.662	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	241693	17.552	ug/l	100
85) sec-Butylbenzene	13.15	105	252636	18.646	ug/l	99
86) p-Isopropyltoluene	13.26	119	222204	18.232	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	124674	17.791	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	128332	17.721	ug/l	98
89) n-Butylbenzene	13.59	91	192259	18.348	ug/l	98
90) Hexachloroethane	13.85	117	46062	19.593	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	127330	18.890	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	22069	21.734	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
Data File : VN064626.D
Acq On : 13 Nov 2020 12:57
Operator : JC/MD
Sample : VN1113WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

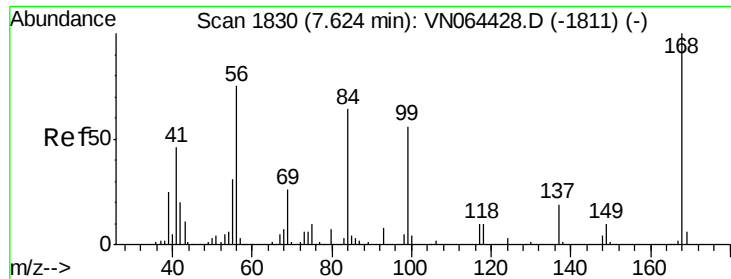
Manual Integrations
APPROVED

MMDadoda
11/17/2020 6:41:29 PM

Quant Time: Nov 17 02:32:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	52186	17.402	ug/l	99
94) Hexachlorobutadiene	14.98	225	31052	22.626	ug/l	97
95) Naphthalene	15.10	128	156885	16.323	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	53665	18.404	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion:168 Resp: 273865

Ion Ratio Lower Upper

168 100

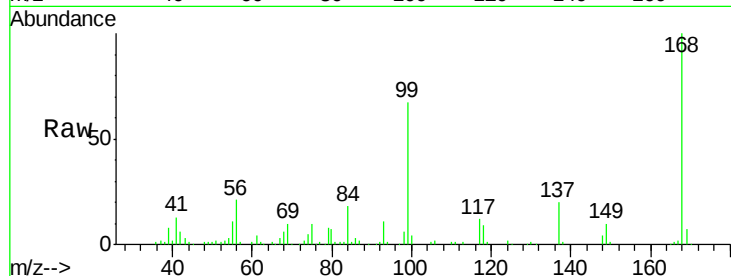
99 66.9 53.4 80.2

Manual Integrations

APPROVED

MMDadoda

11/17/2020 6:41:29 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

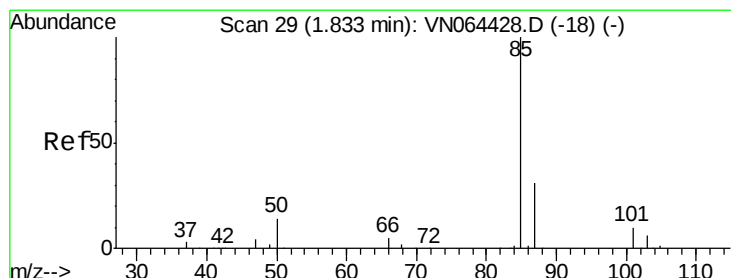
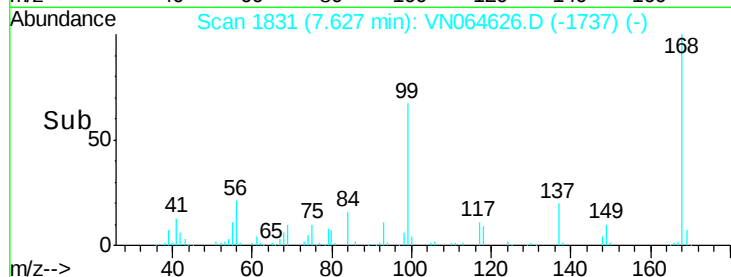
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 17.767 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064626.D

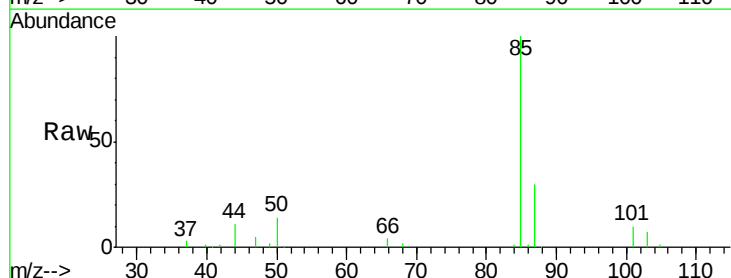
Acq: 13 Nov 2020 12:57

Tgt Ion: 85 Resp: 63341

Ion Ratio Lower Upper

85 100

87 30.2 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

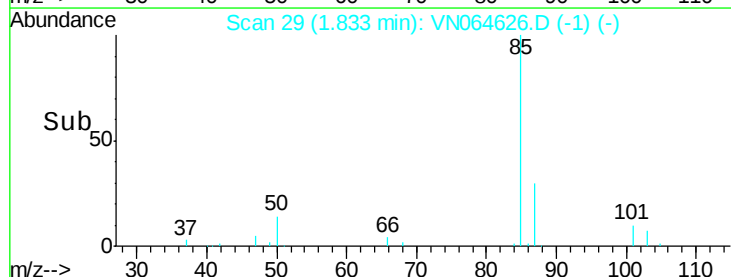
30000

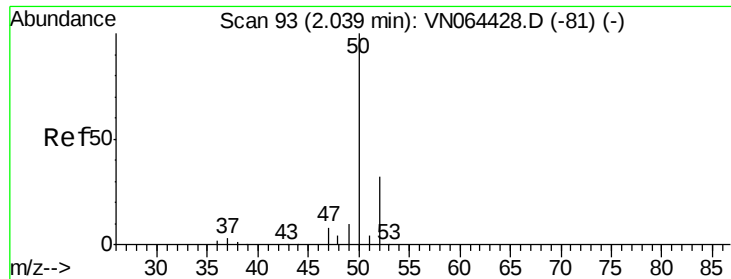
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 17.287 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 50 Resp: 74857

Ion Ratio Lower Upper

50 100

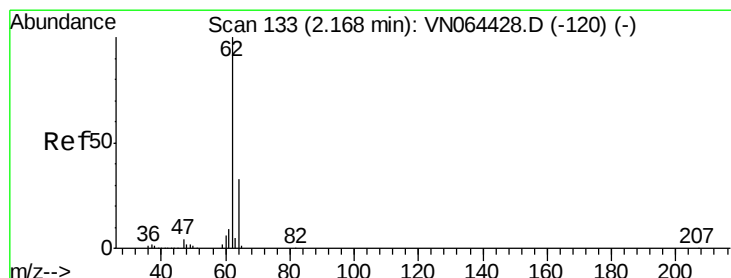
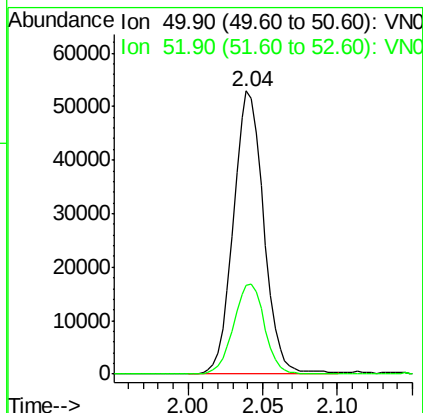
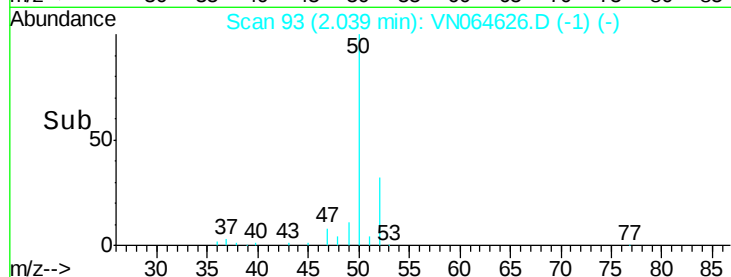
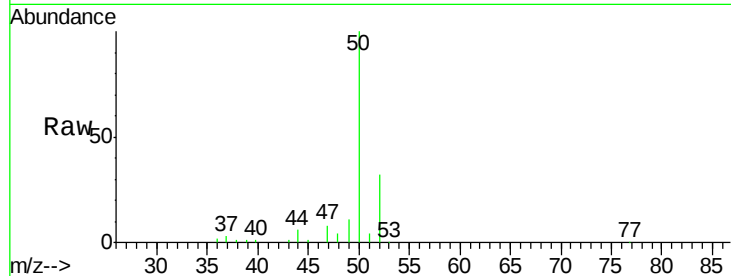
52 31.6 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

11/17/2020 6:41:29 PM



#4

Vinyl Chloride

Concen: 17.928 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064626.D

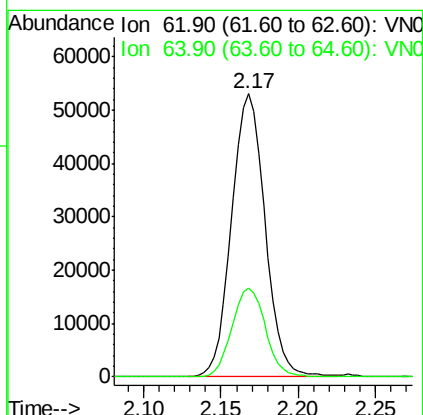
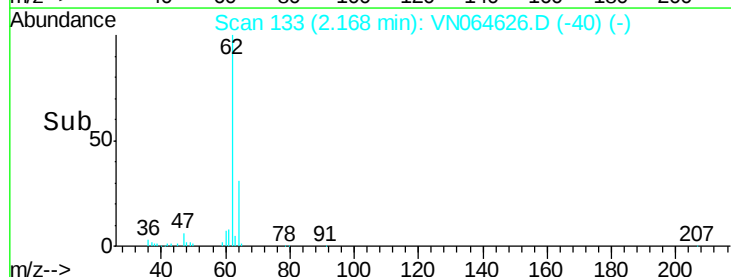
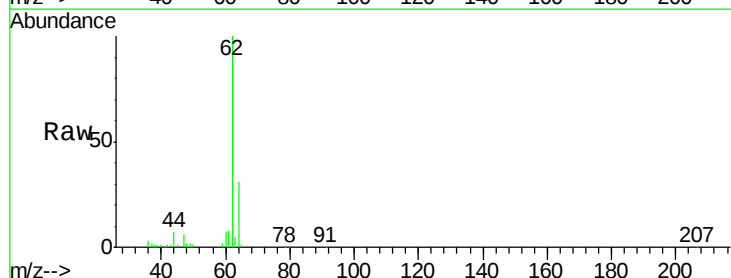
Acq: 13 Nov 2020 12:57

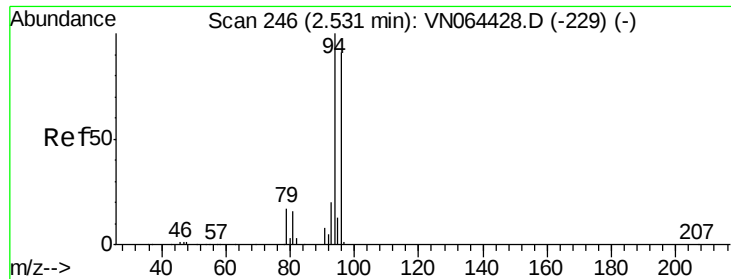
Tgt Ion: 62 Resp: 79719

Ion Ratio Lower Upper

62 100

64 31.2 26.3 39.5





#5

Bromomethane

Concen: 19.213 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 94 Resp: 54578

Ion Ratio Lower Upper

94 100

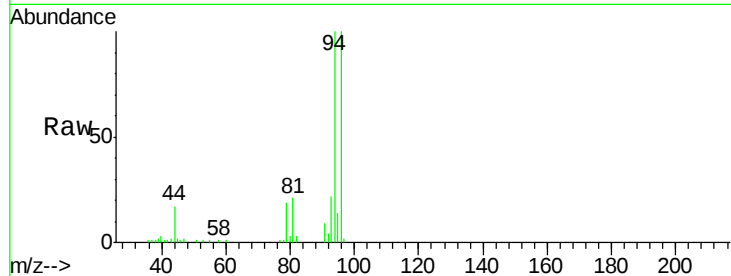
96 100.0 73.1 109.7

Manual Integrations

APPROVED

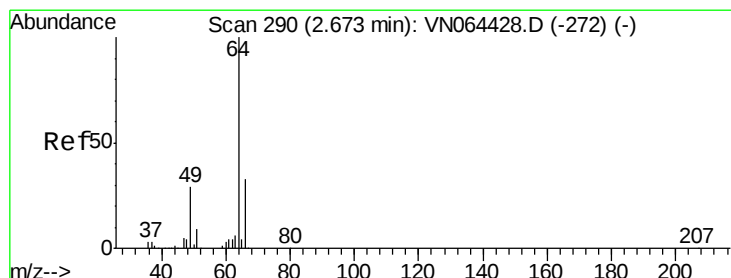
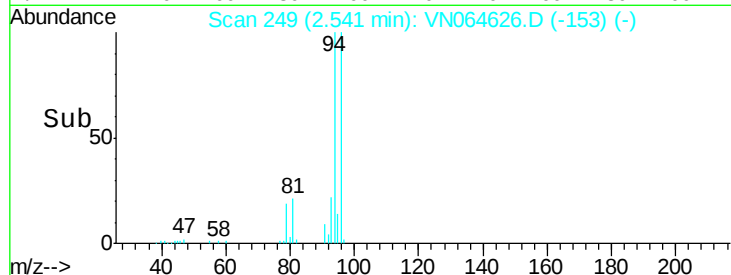
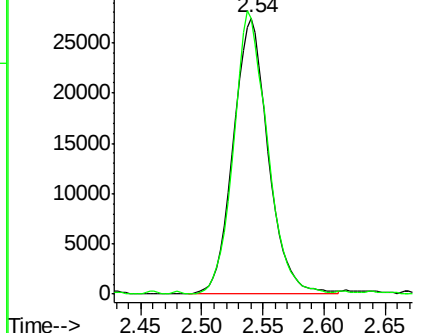
MMDadoda

11/17/2020 6:41:29 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.147 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064626.D

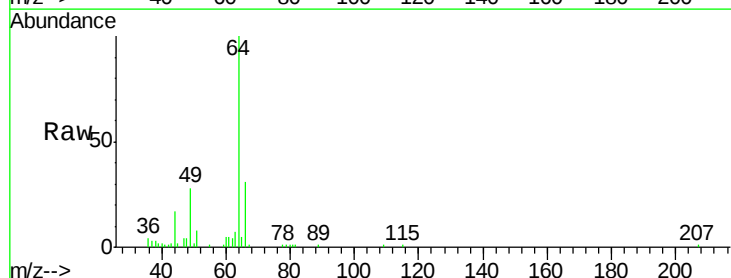
Acq: 13 Nov 2020 12:57

Tgt Ion: 64 Resp: 54511

Ion Ratio Lower Upper

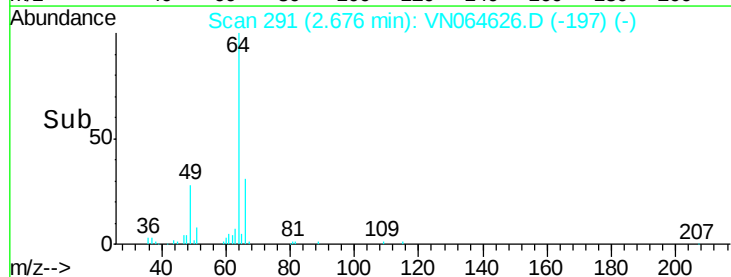
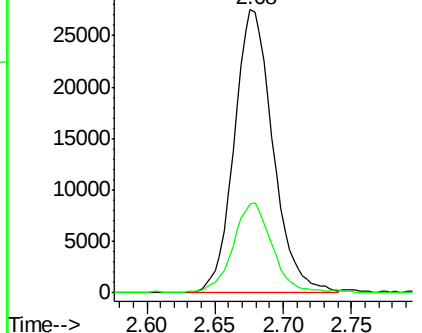
64 100

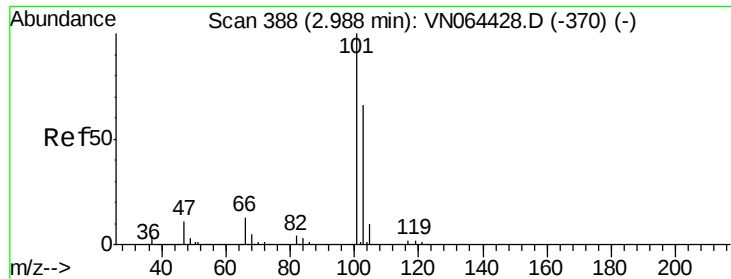
66 30.6 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

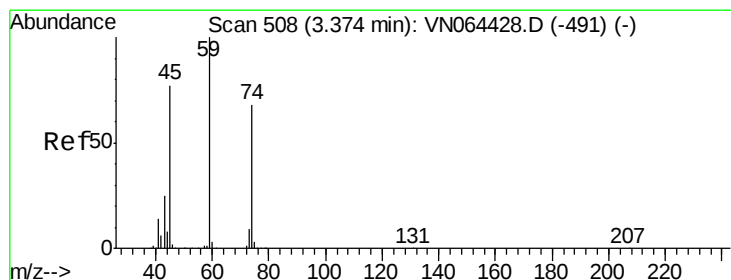
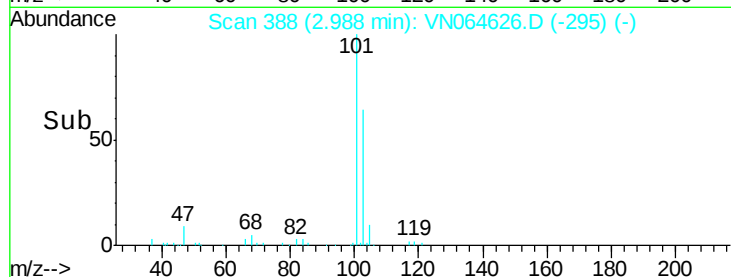
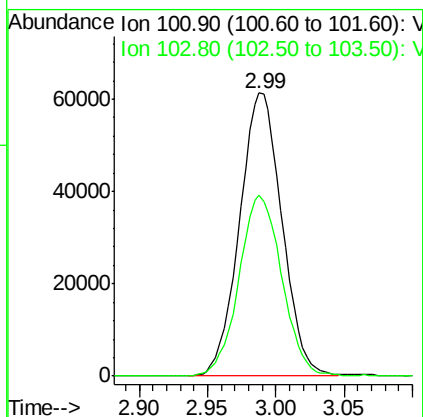
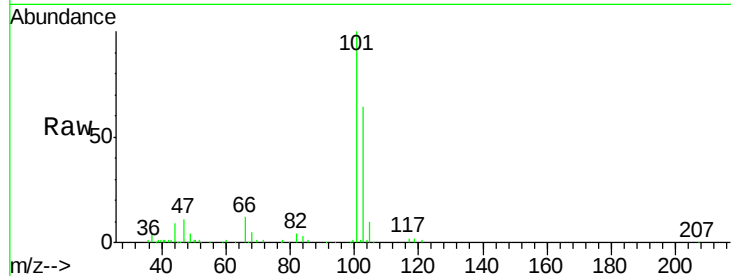
Trichlorofluoromethane
Concen: 20.225 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.4	78.6

Manual Integrations
APPROVED

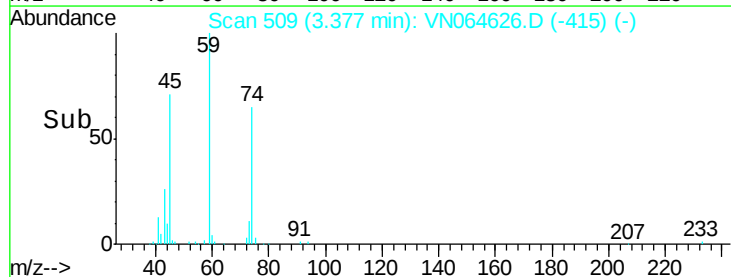
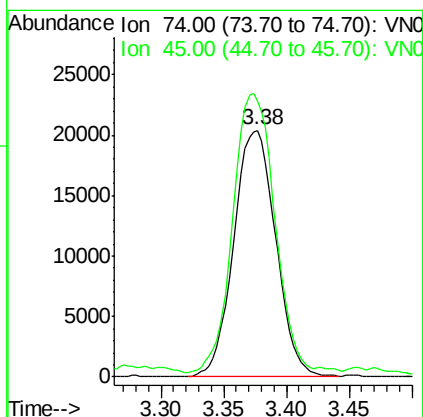
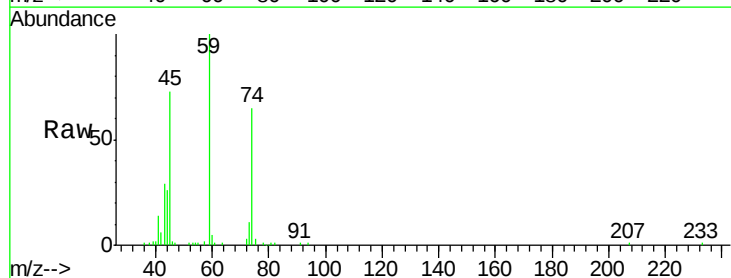
MMDadoda
11/17/2020 6:41:29 PM

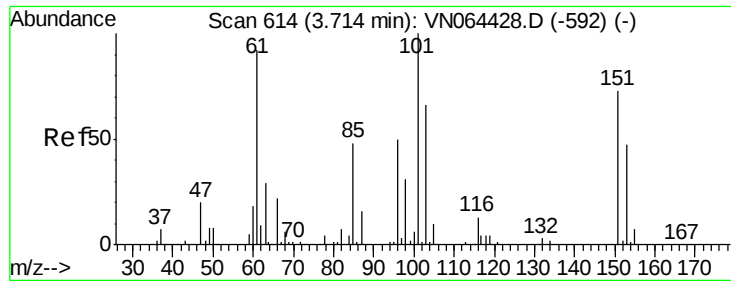


#8

Diethyl Ether
Concen: 20.569 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.8	55.9	167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.151 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

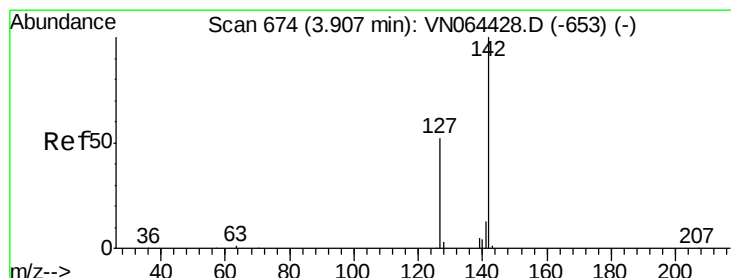
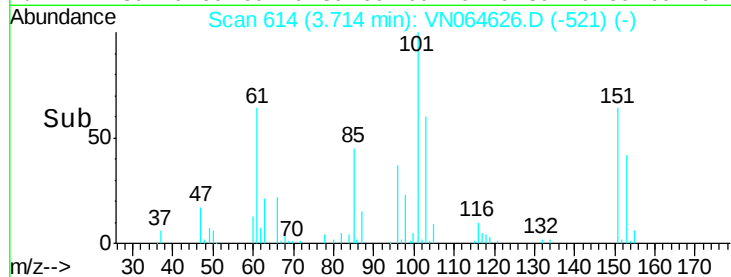
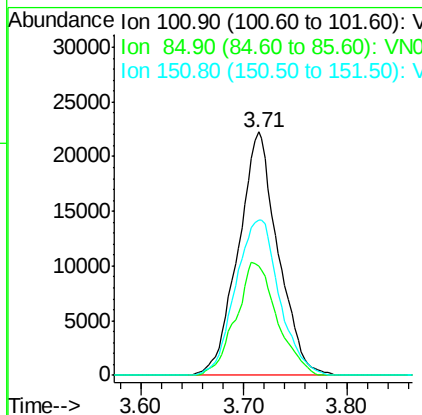
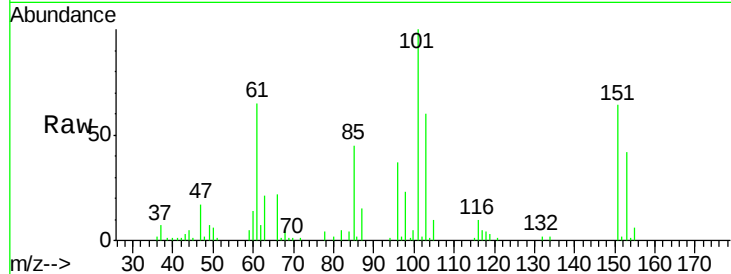
ClientSampleId :

VN1113WBSD01

Tot Ion:	101	Resp:	59547
Ion Ratio	Lower	Upper	
101	100		
85	47.9	38.6	57.8
151	70.4	57.5	86.3

Manual Integrations
APPROVED

MMDadoda
11/17/2020 6:41:29 PM



#10

Methyl Iodide

Concen: 18.764 ug/l

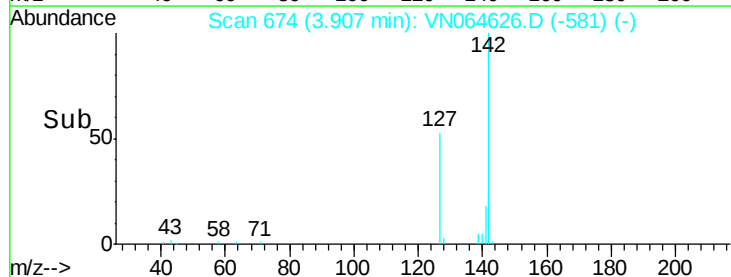
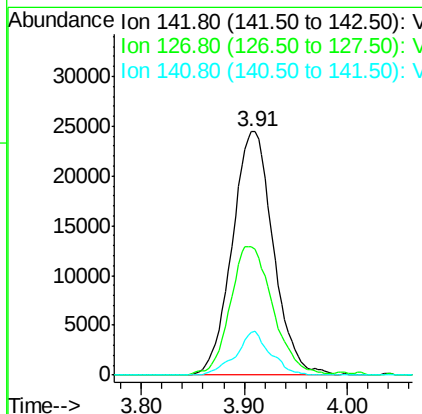
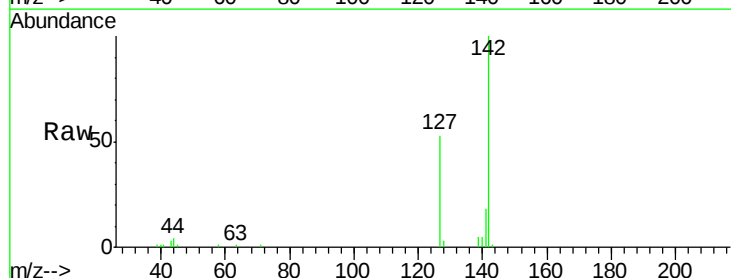
RT: 3.91 min Scan# 674

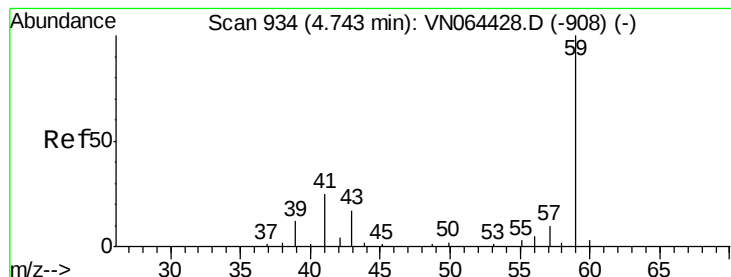
Delta R.T. -0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Tgt Ion:	142	Resp:	67793
Ion Ratio	Lower	Upper	
142	100		
127	54.9	41.8	62.8
141	15.0	11.4	17.2





#11

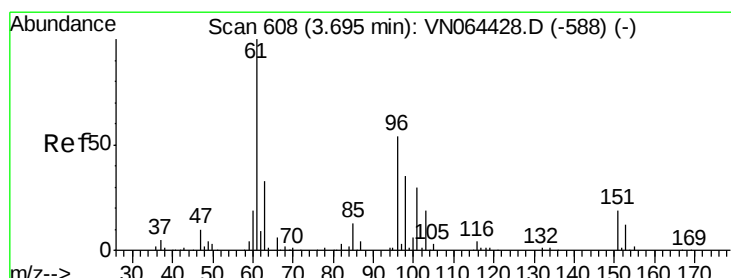
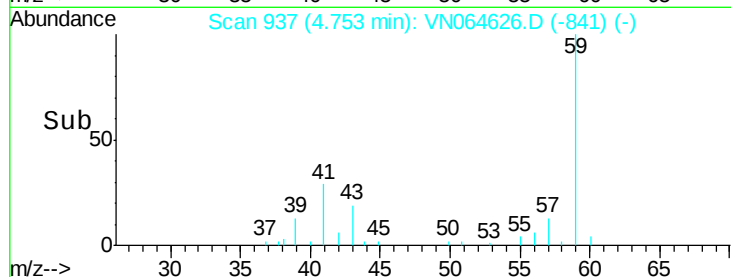
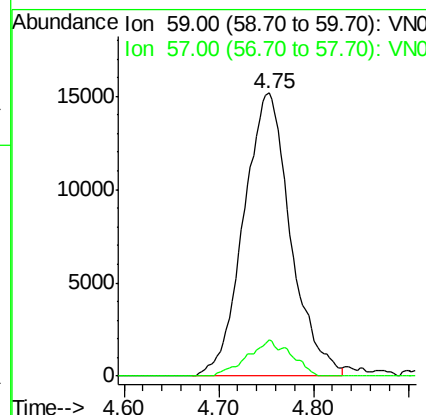
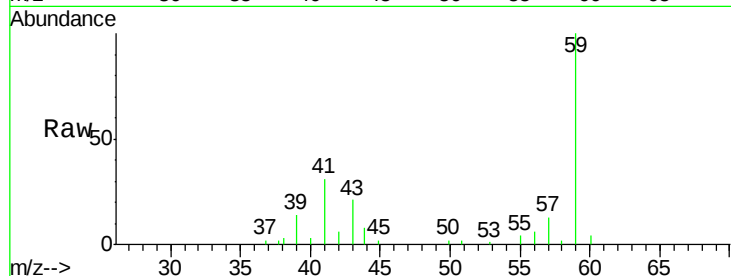
Tert butyl alcohol
 Concen: 99.278 ug/l
 RT: 4.75 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	9.0	13.4

Manual Integrations
 APPROVED

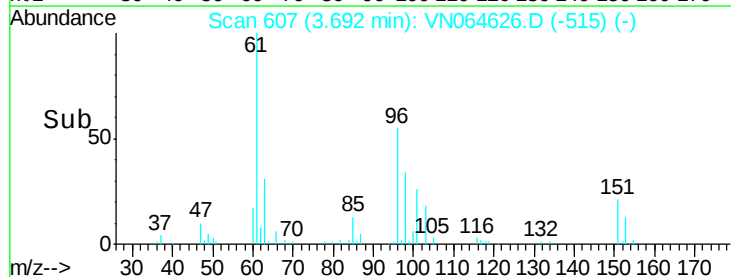
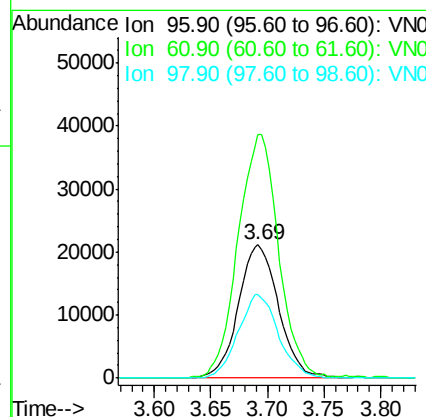
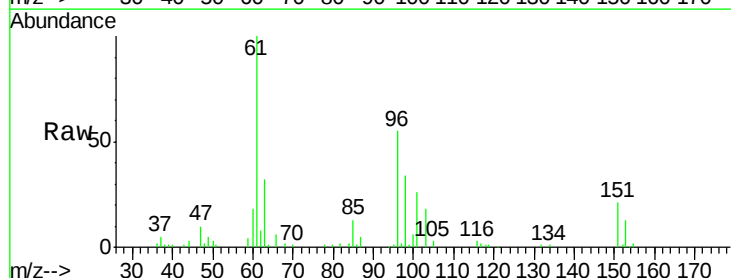
MMDadoda
 11/17/2020 6:41:29 PM

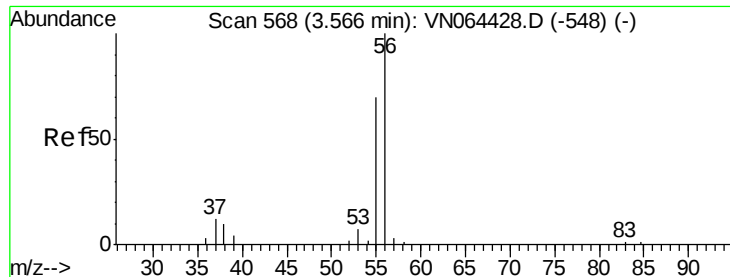


#12

1,1-Dichloroethene
 Concen: 17.853 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.9	149.5	224.3
98	62.7	52.4	78.6





#13

Acrolein

Concen: 59.324 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 56 Resp: 19358

Ion Ratio Lower Upper

56 100

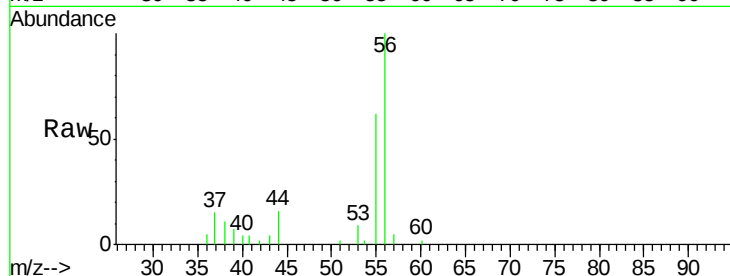
55 68.8 55.9 83.9

Manual Integrations

APPROVED

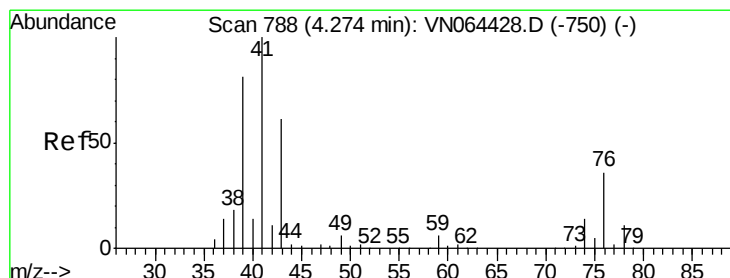
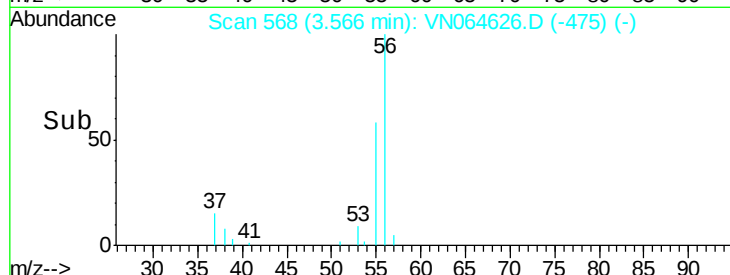
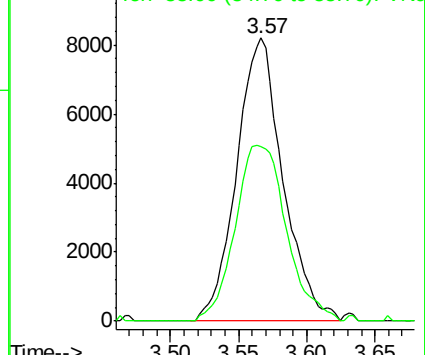
MMDadoda

11/17/2020 6:41:29 PM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 16.909 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

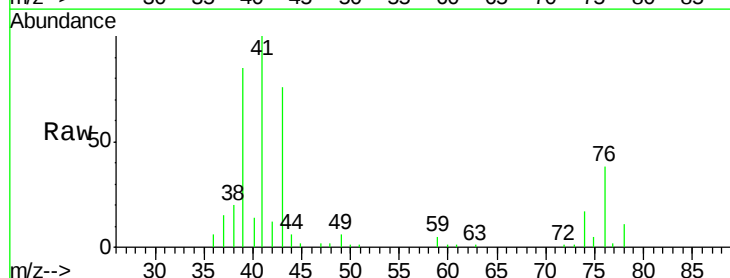
Tgt Ion: 41 Resp: 96880

Ion Ratio Lower Upper

41 100

39 79.0 61.8 92.8

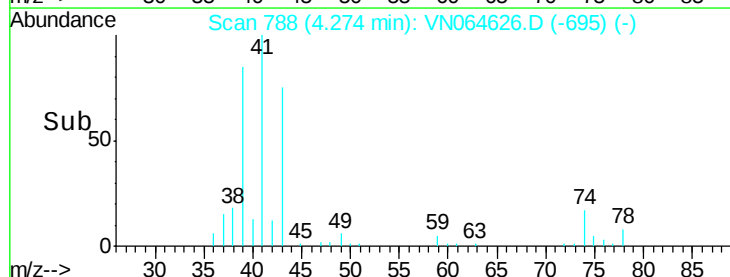
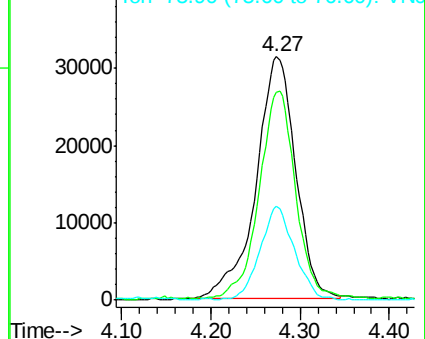
76 33.8 25.4 38.0

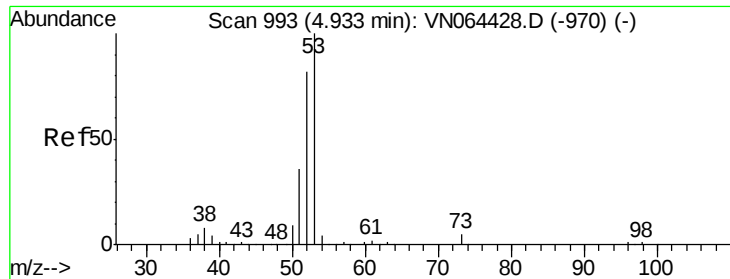


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 100.443 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

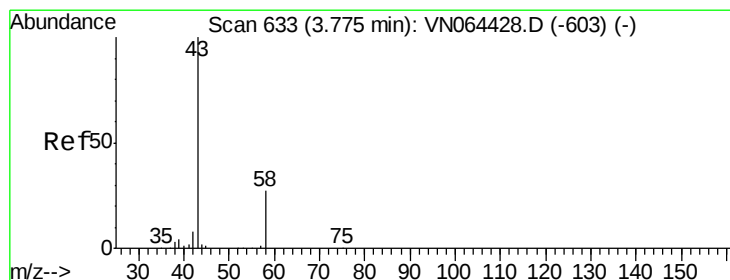
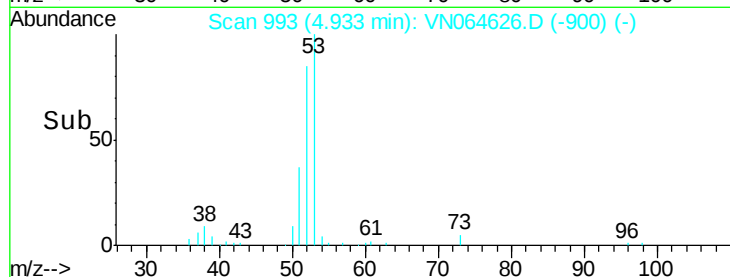
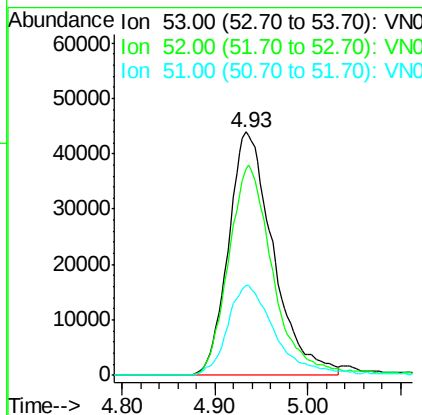
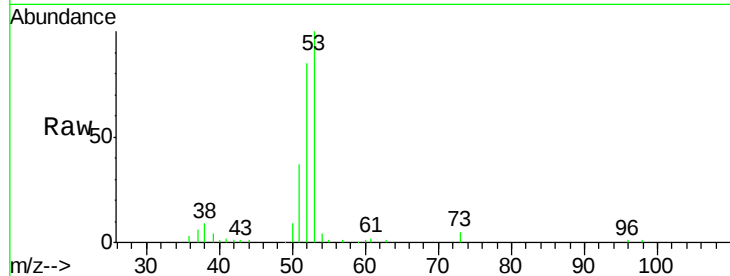
ClientSampleId :

VN1113WBSD01

Tot Ion:	53	Resp:	147112
Ion	Ratio	Lower	Upper
53	100		
52	84.9	65.6	98.4
51	39.1	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
11/17/2020 6:41:29 PM



#16

Acetone

Concen: 92.710 ug/l

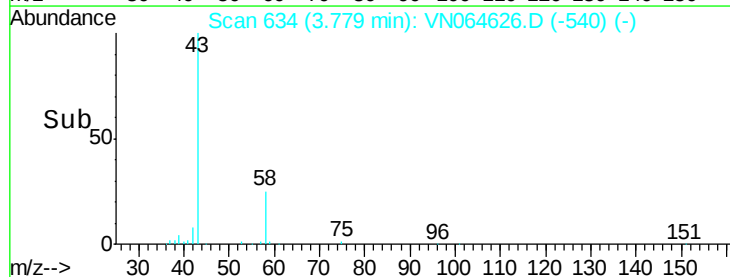
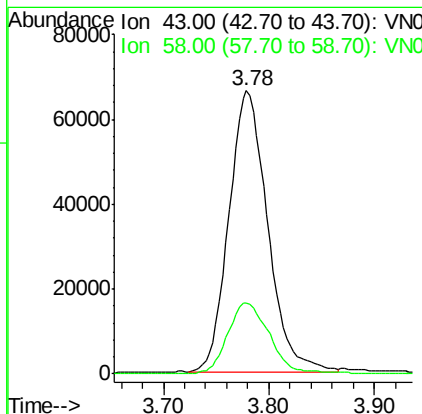
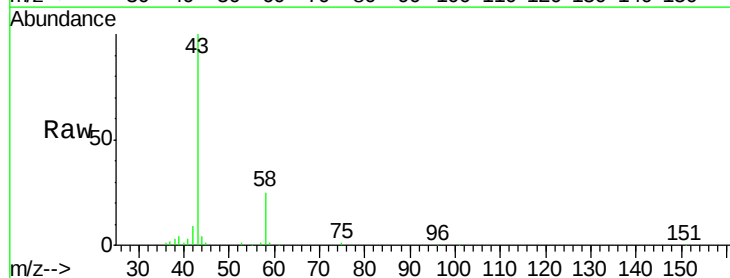
RT: 3.78 min Scan# 634

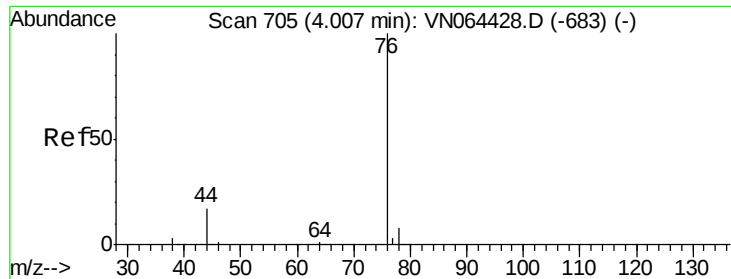
Delta R.T. 0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Tgt Ion:	43	Resp:	168463
Ion	Ratio	Lower	Upper
43	100		
58	25.0	21.4	32.0





#17

Carbon Disulfide

Concen: 17.597 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 76 Resp: 154130

Ion Ratio Lower Upper

76 100

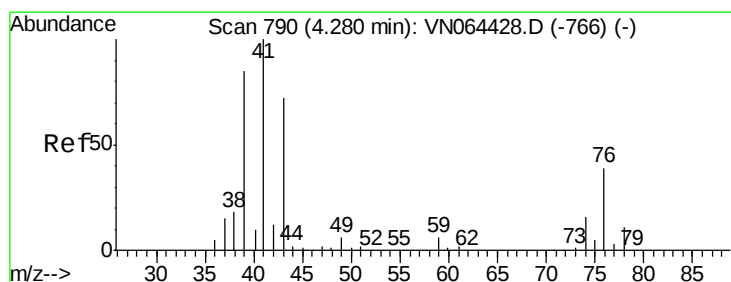
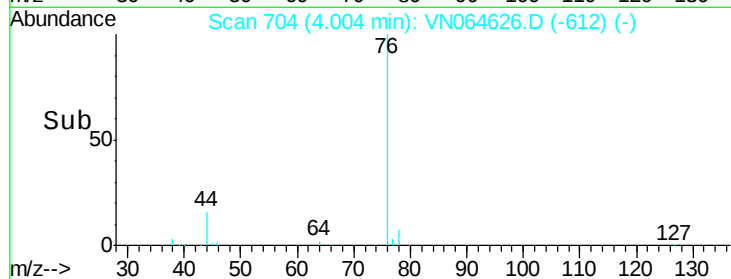
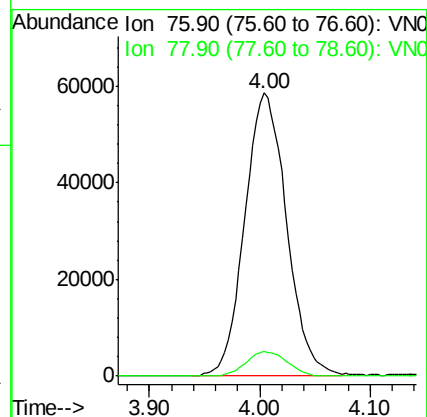
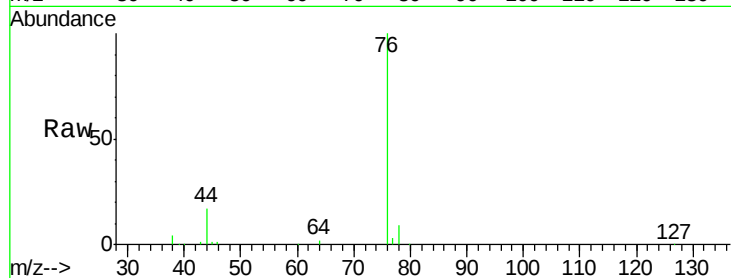
78 8.6 6.8 10.2

Manual Integrations

APPROVED

MMDadoda

11/17/2020 6:41:29 PM



#18

Methyl Acetate

Concen: 21.446 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN064626.D

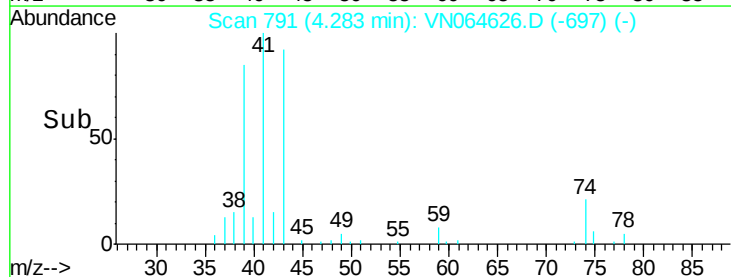
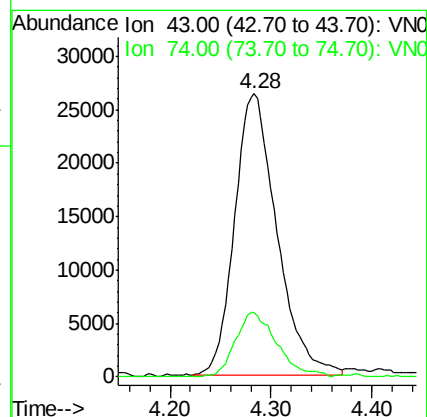
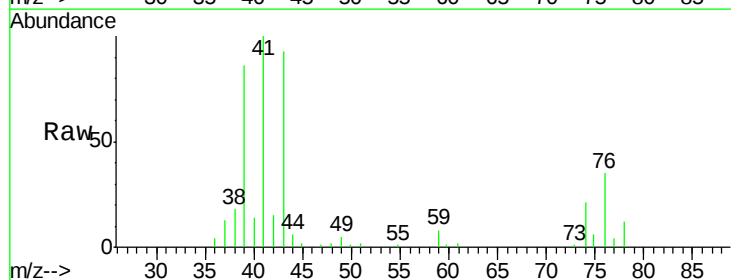
Acq: 13 Nov 2020 12:57

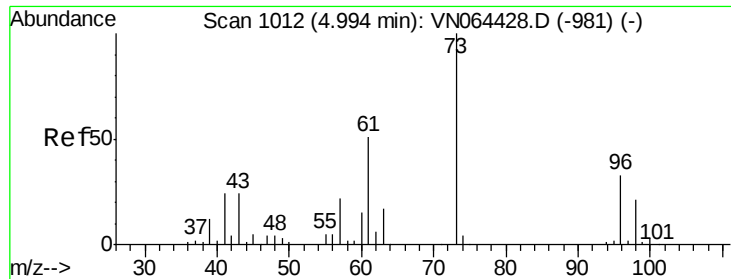
Tgt Ion: 43 Resp: 76612

Ion Ratio Lower Upper

43 100

74 22.5 17.0 25.4





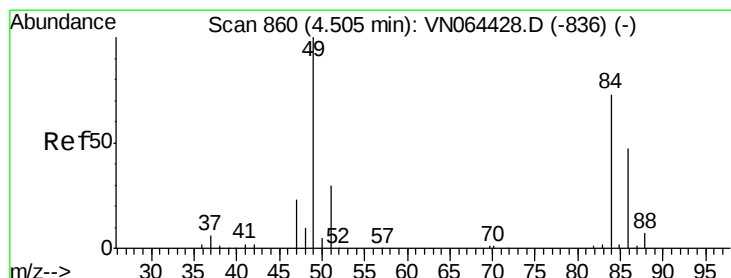
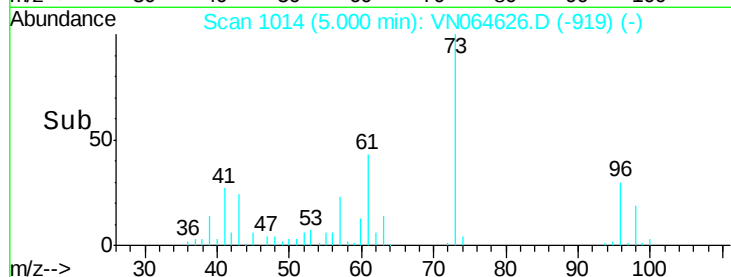
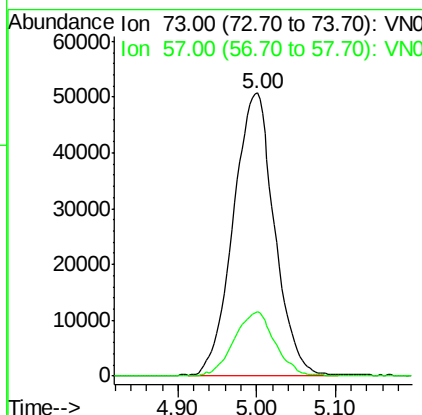
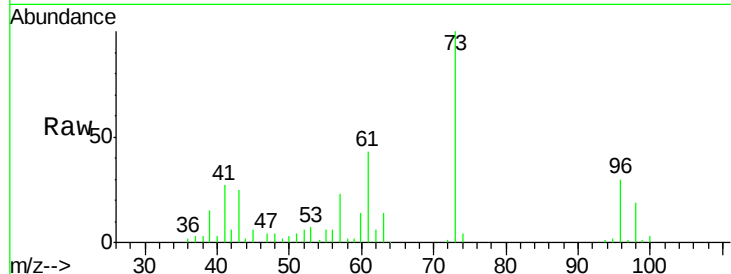
#19
Methvl tert-butvl Ether
Concen: 17.511 ug/l
RT: 5.00 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion: 73 Resp: 184595
Ion Ratio Lower Upper
73 100
57 22.7 17.7 26.5

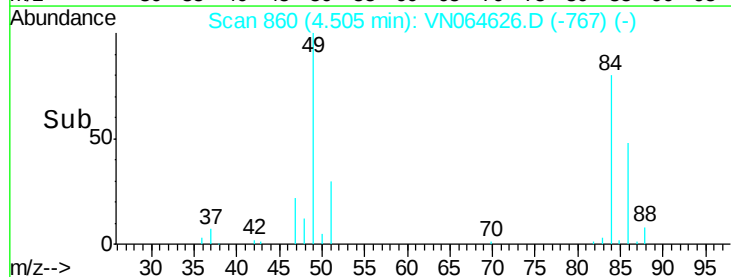
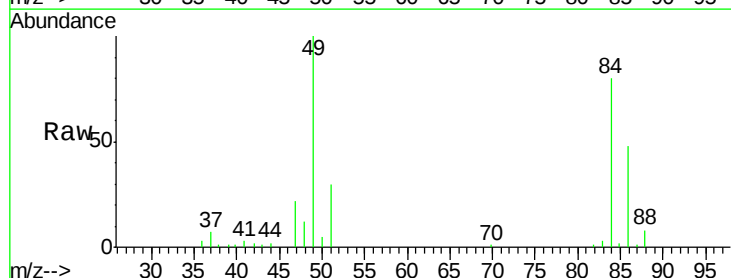
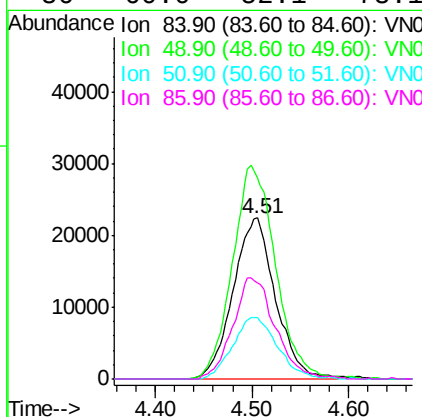
Manual Integrations
APPROVED

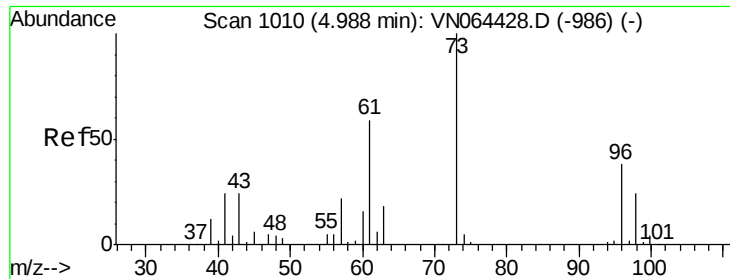
MMDadoda
11/17/2020 6:41:29 PM



#20
Methylene Chloride
Concen: 18.893 ug/l
RT: 4.51 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion: 84 Resp: 68115
Ion Ratio Lower Upper
84 100
49 124.7 110.1 165.1
51 37.9 33.6 50.4
86 60.0 52.1 78.1





#21

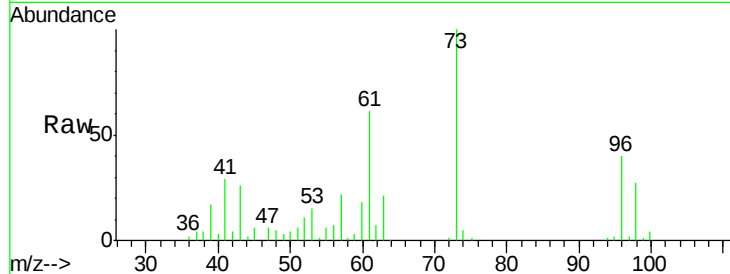
trans-1,2-Dichloroethene
Concen: 17.793 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	122.4	183.6
98	67.4	50.4	75.6

Manual Integrations
APPROVED

MMDadoda
11/17/2020 6:41:29 PM

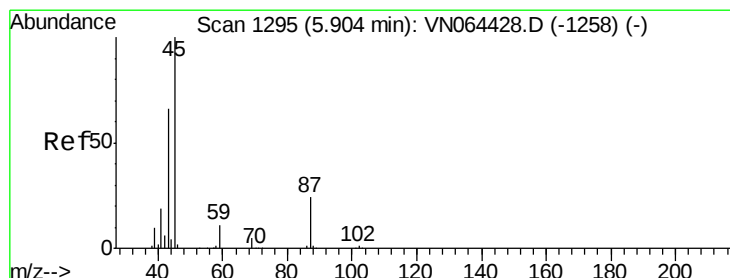
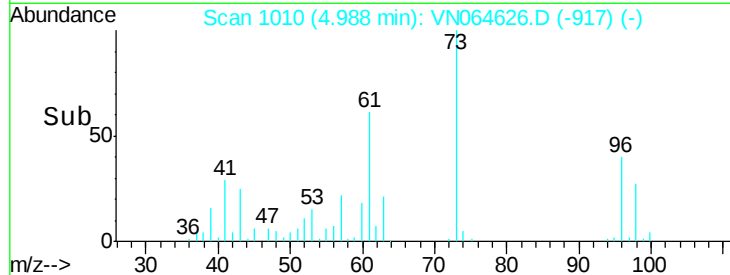
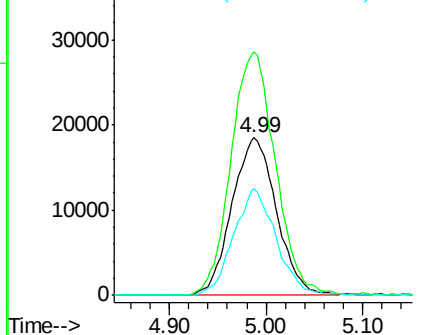


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether
Concen: 17.833 ug/l
RT: 5.91 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.8	53.2	79.8
87	26.7	19.9	29.9
59	11.8	8.6	13.0

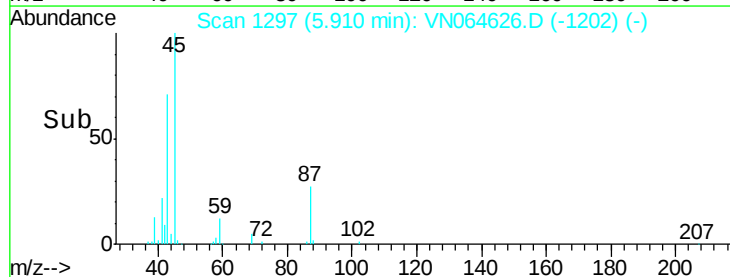
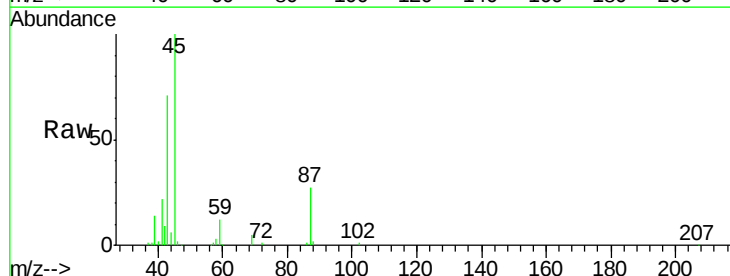
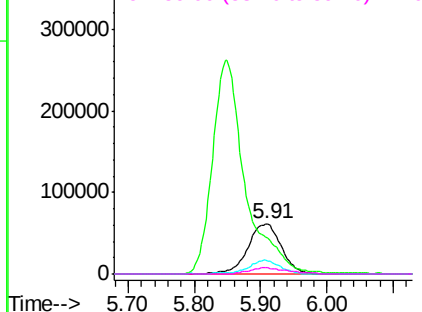
Abundance

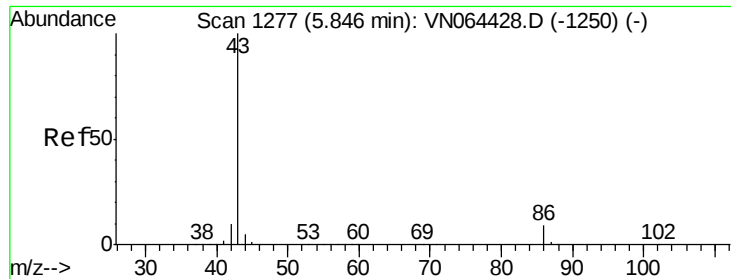
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





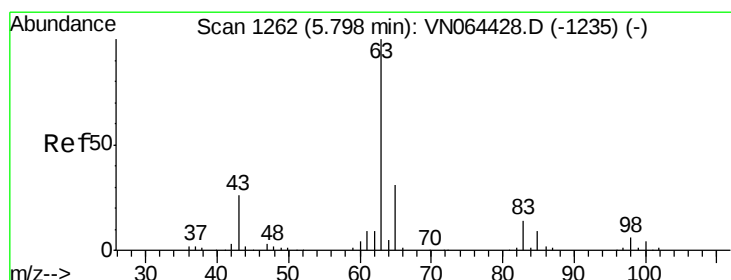
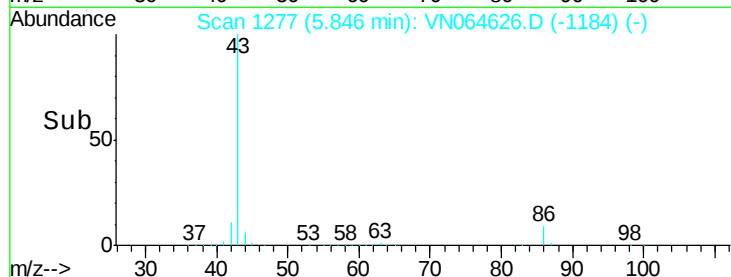
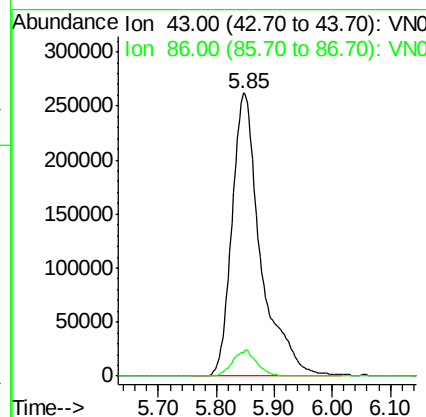
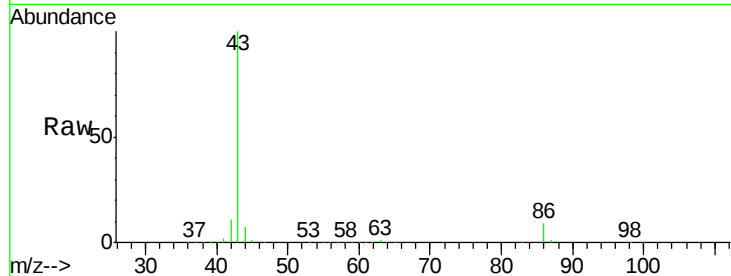
#23
 Vinyl Acetate
 Concen: 90.998 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	43	Resp	900339
Ion Ratio	100	Lower	Upper
43	100		
86	8.5	6.8	10.2

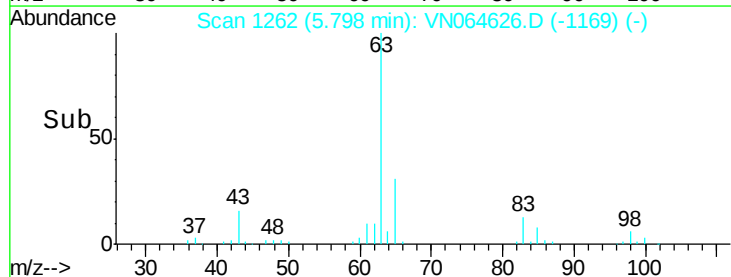
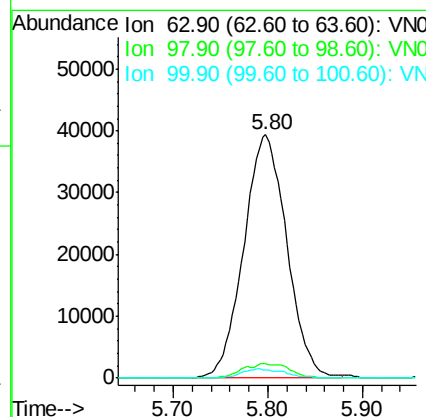
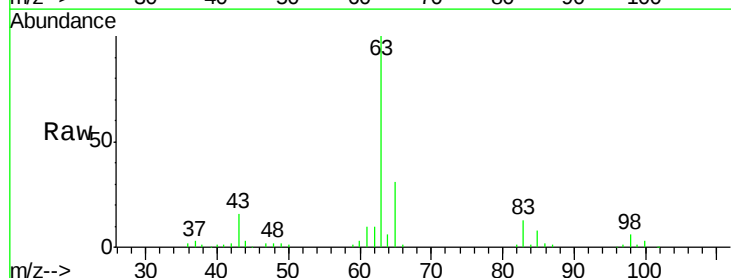
Manual Integrations
 APPROVED

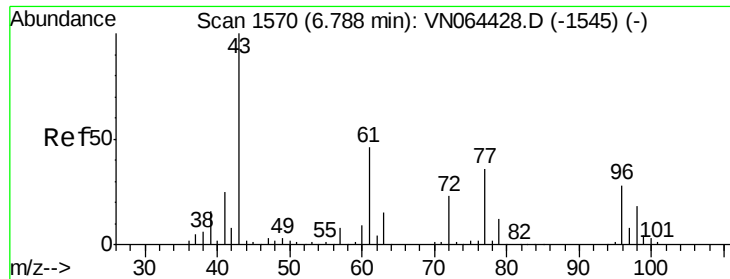
MMDadoda
 11/17/2020 6:41:29 PM



#24
 1,1-Dichloroethane
 Concen: 18.637 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Tgt Ion	63	Resp	124554
Ion Ratio	100	Lower	Upper
63	100		
98	5.9	3.0	9.2
100	3.4	1.8	5.3





#25

2-Butanone

Concen: 96.318 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 43 Resp: 222998

Ion Ratio Lower Upper

43 100

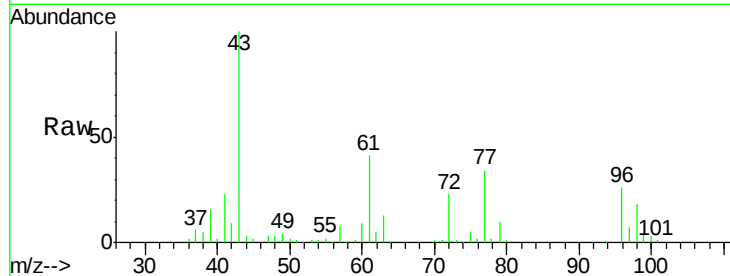
72 22.9 18.5 27.7

Manual Integrations

APPROVED

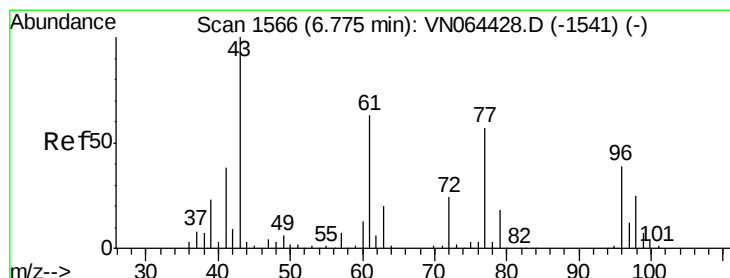
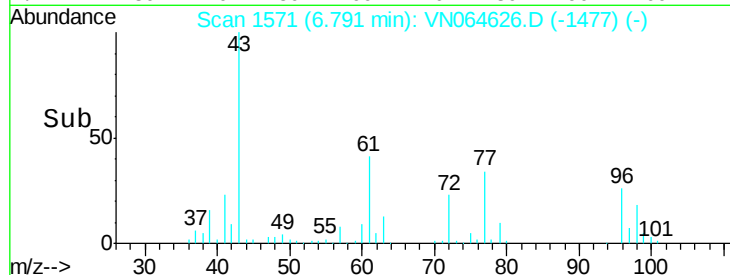
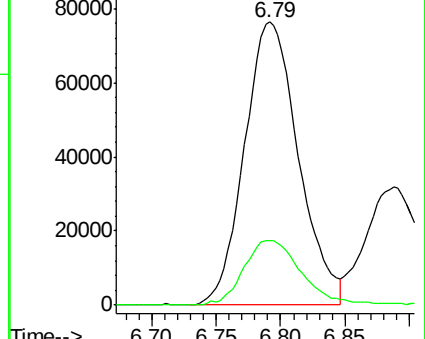
MMDadoda

11/17/2020 6:41:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.183 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064626.D

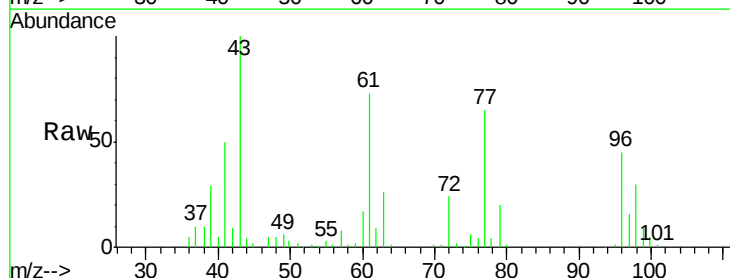
Acq: 13 Nov 2020 12:57

Tgt Ion: 77 Resp: 110005

Ion Ratio Lower Upper

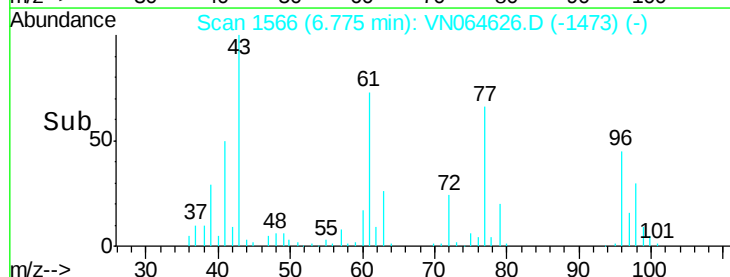
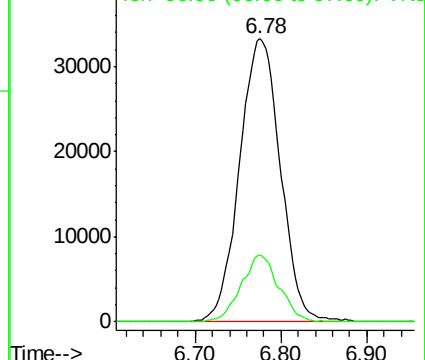
77 100

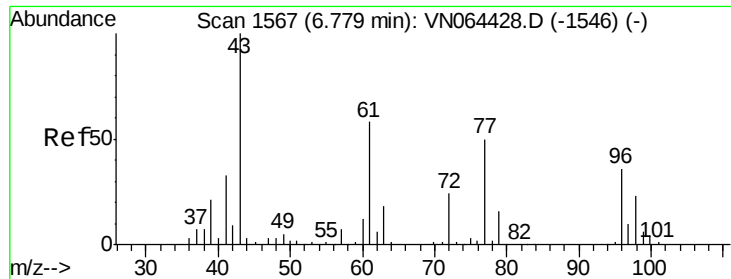
97 21.7 10.2 30.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





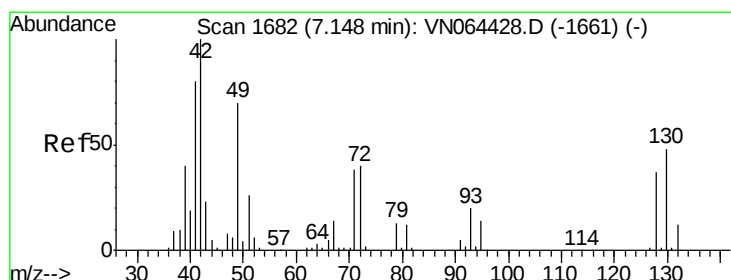
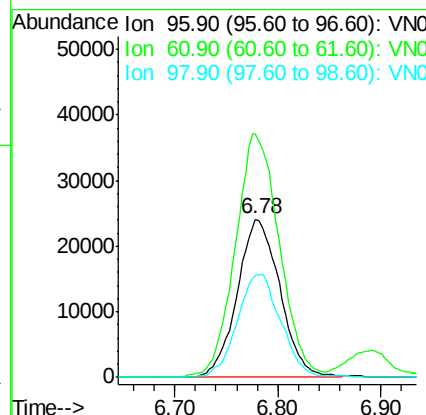
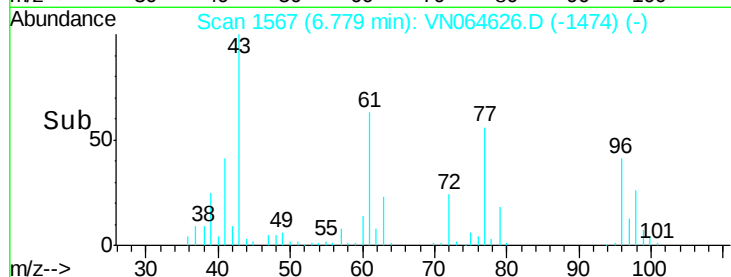
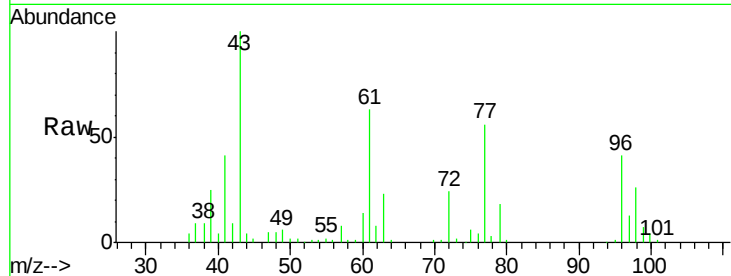
#27
 cis-1,2-Dichloroethene
 Concen: 17.990 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	329.6
98	66.4	0.0	131.2

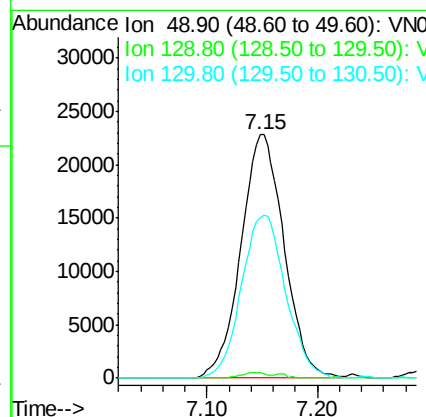
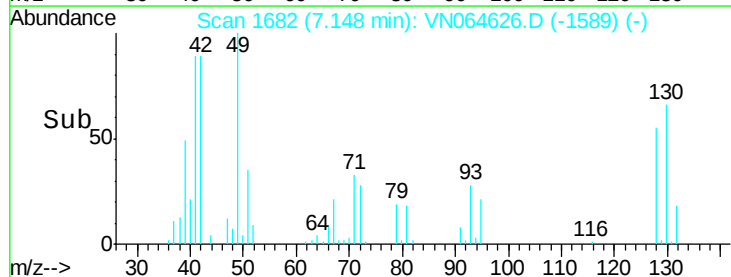
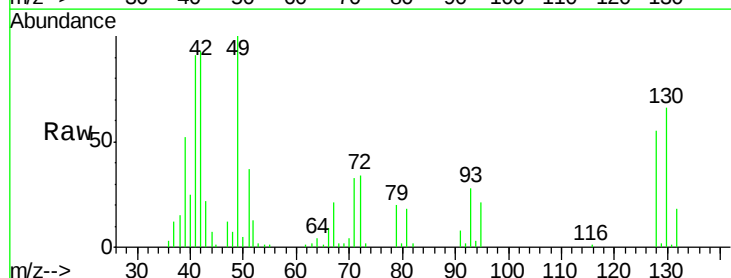
Manual Integrations
 APPROVED

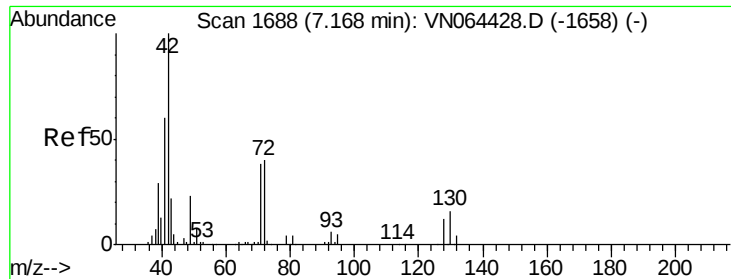
MMDadoda
 11/17/2020 6:41:29 PM



#28
 Bromochloromethane
 Concen: 18.835 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.6
130	68.6	54.2	81.4





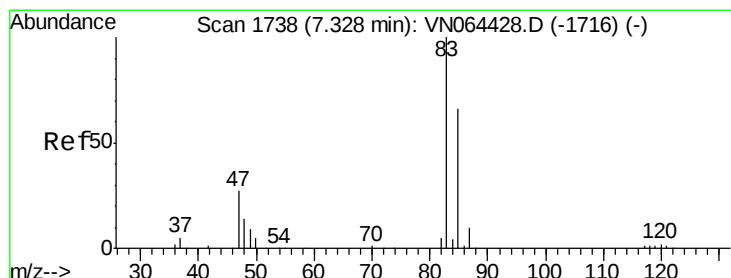
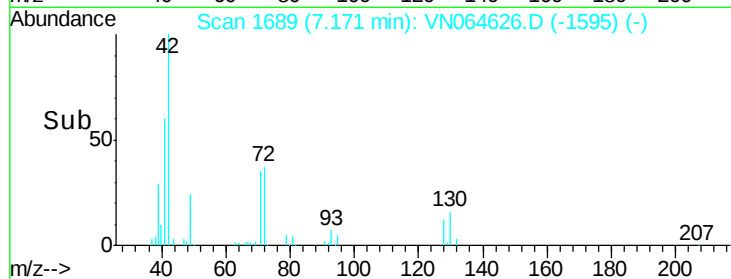
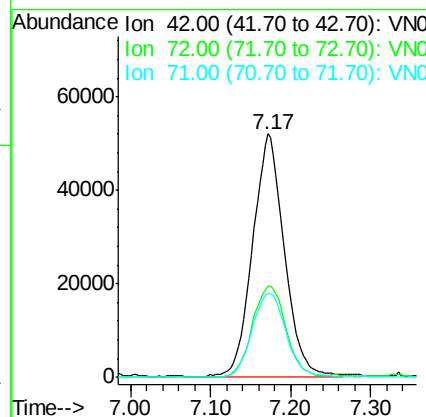
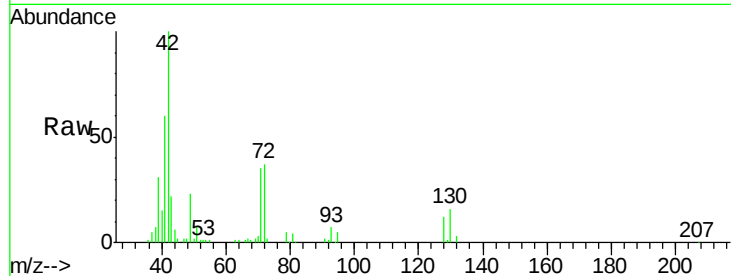
#29
Tetrahydrofuran
Concen: 99.348 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	31.7	47.5
71	37.2	29.8	44.6

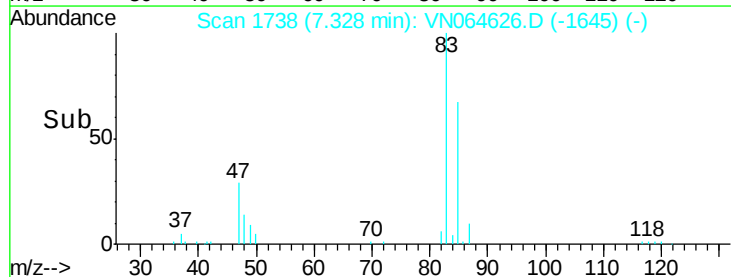
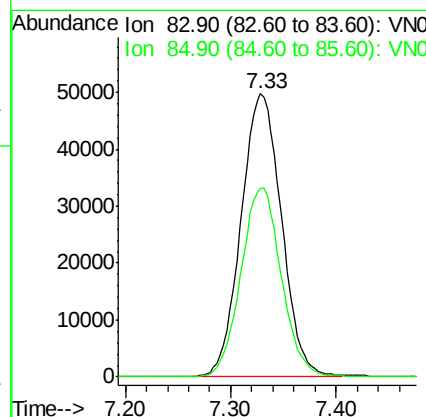
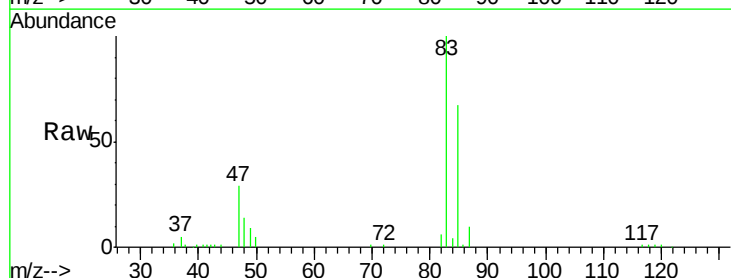
Manual Integrations
APPROVED

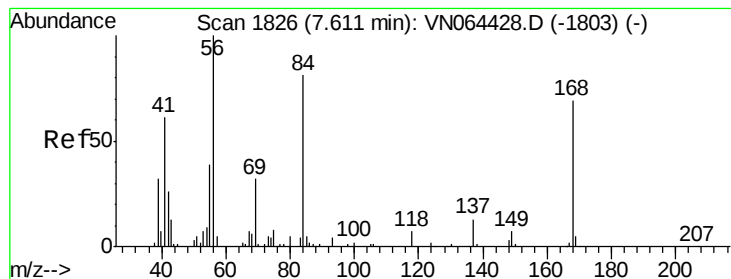
MMDadoda
11/17/2020 6:41:29 PM



#30
Chloroform
Concen: 18.903 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.5	78.7





#31

Cyclohexane

Concen: 15.711 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

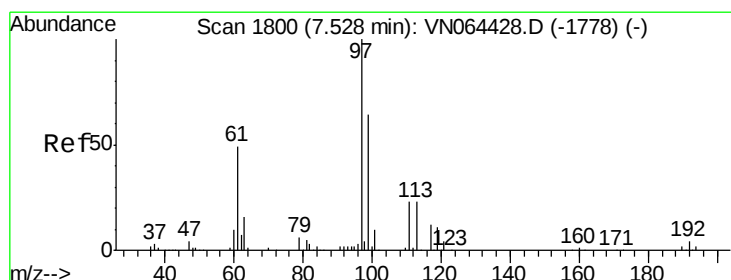
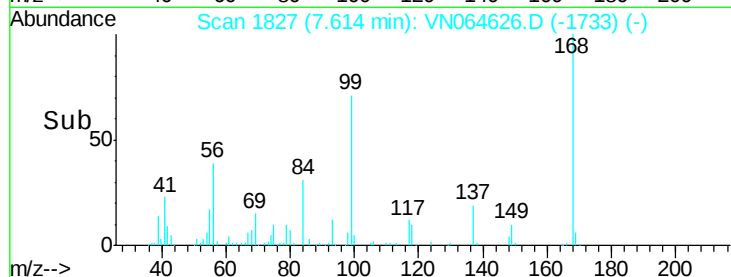
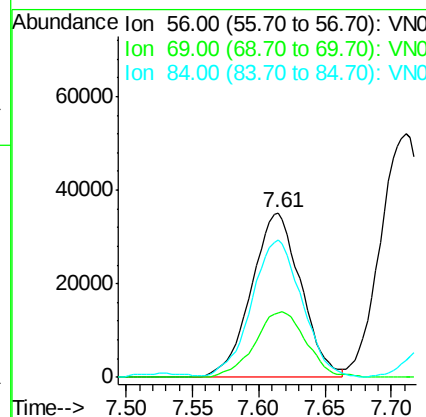
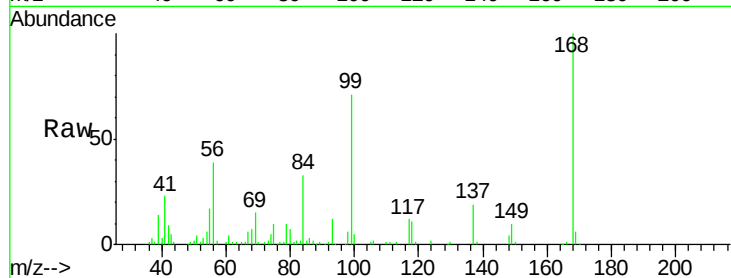
ClientSampleId :

VN1113WBSD01

Tot Ion:	56	Resp:	91106
Ion Ratio	Lower	Upper	
56	100		
69	39.4	25.6	38.4#
84	81.8	63.0	94.6

Manual Integrations
APPROVED

MMDadoda
11/17/2020 6:41:29 PM



#32

1,1,1-Trichloroethane

Concen: 19.109 ug/l

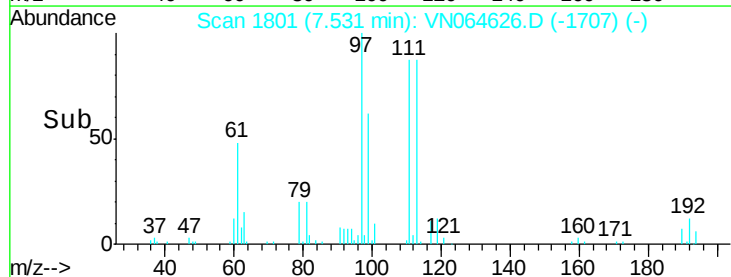
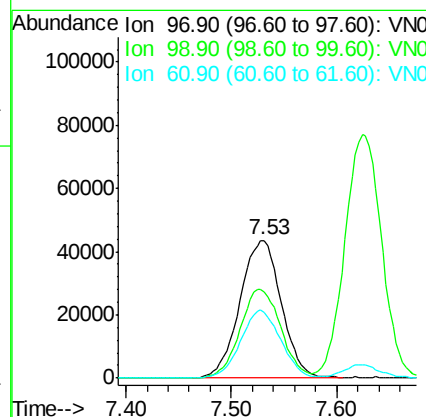
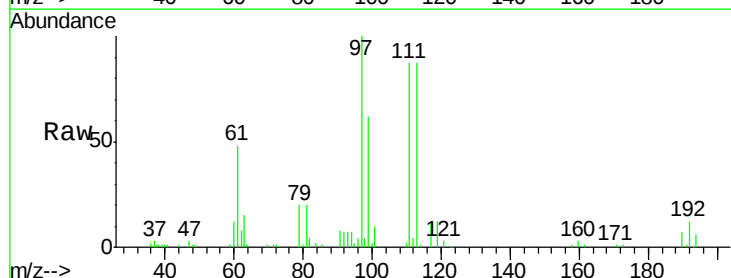
RT: 7.53 min Scan# 1801

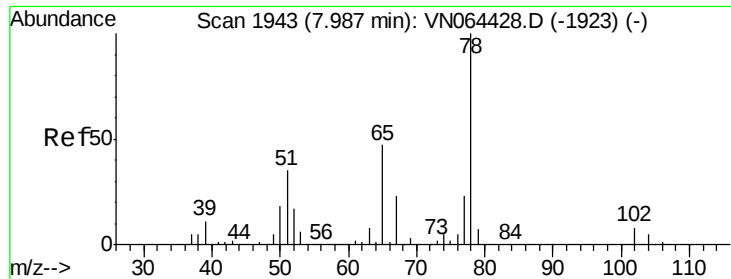
Delta R.T. 0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Tgt Ion:	97	Resp:	119069
Ion Ratio	Lower	Upper	
97	100		
99	63.3	51.3	76.9
61	47.6	39.1	58.7





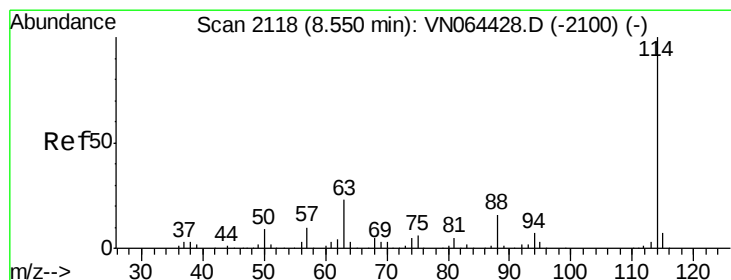
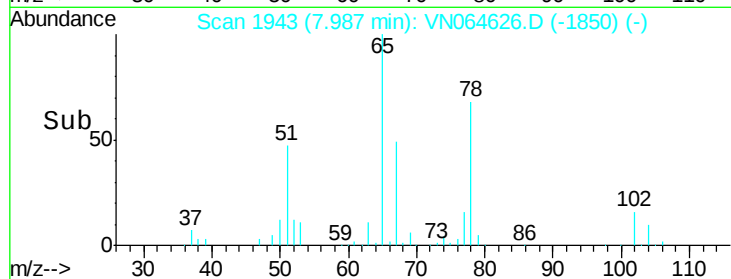
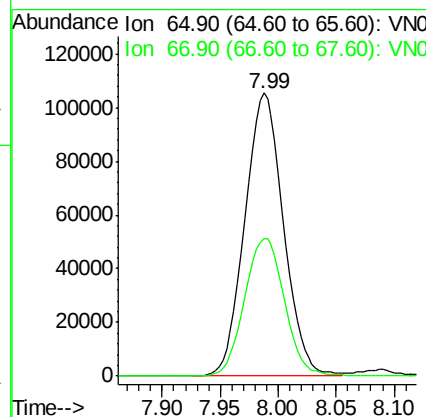
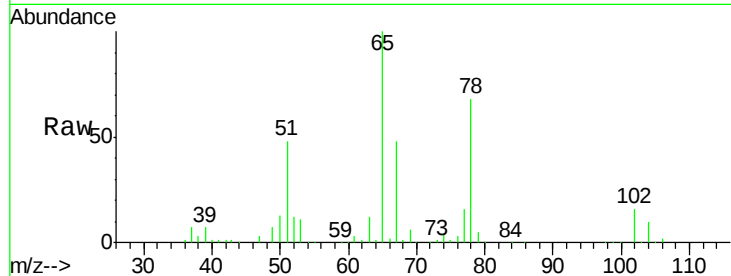
#33
 1,2-Dichloroethane-d4
 Concen: 51.463 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.1	0.0	101.6	

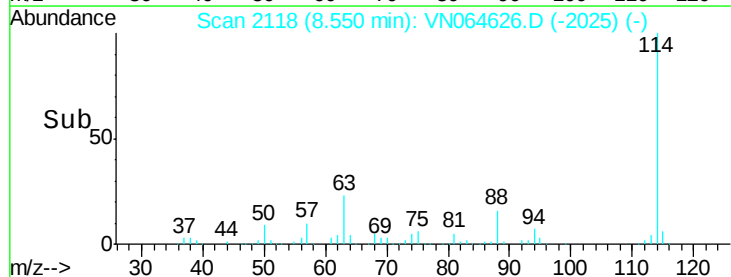
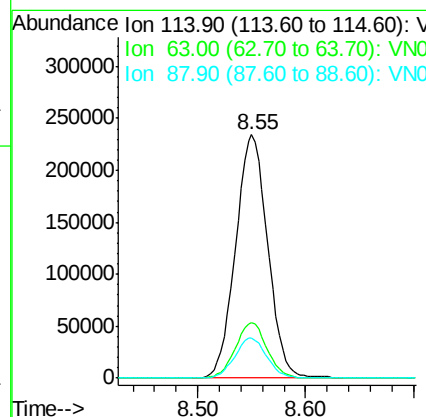
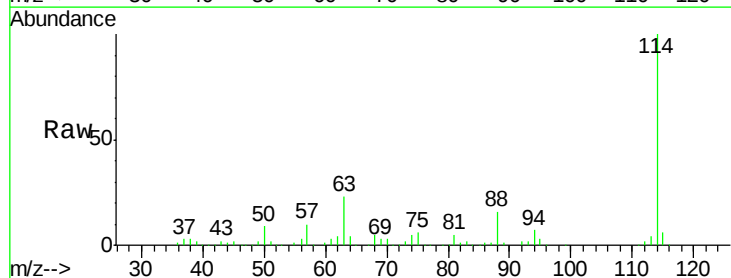
Manual Integrations
 APPROVED

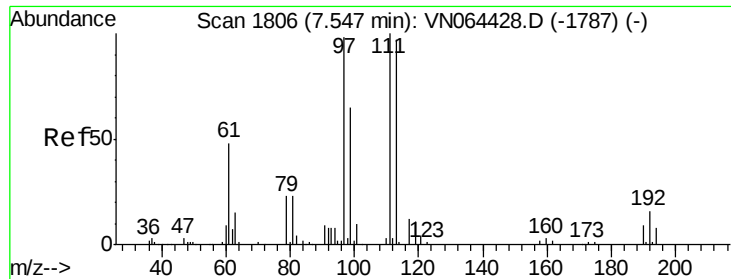
MMDadoda
 11/17/2020 6:41:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.9	0.0	45.6	
88	16.3	0.0	32.8	





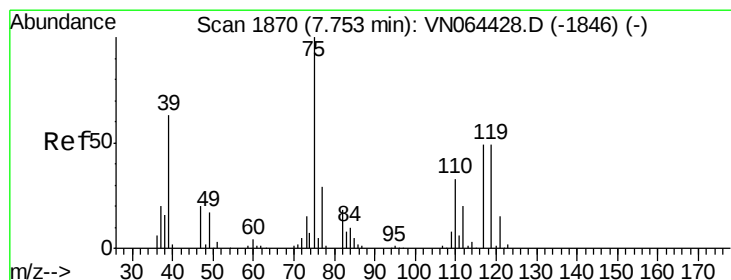
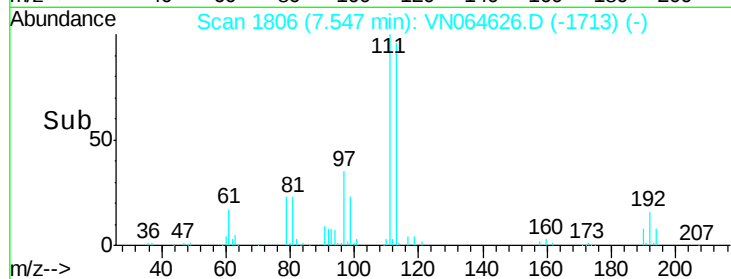
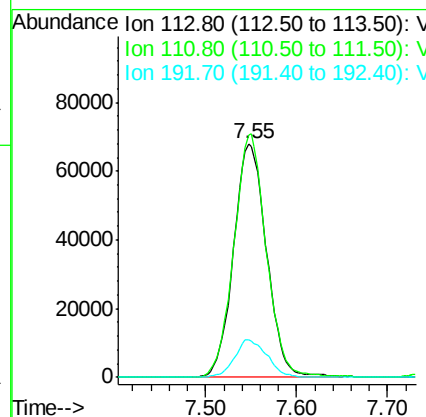
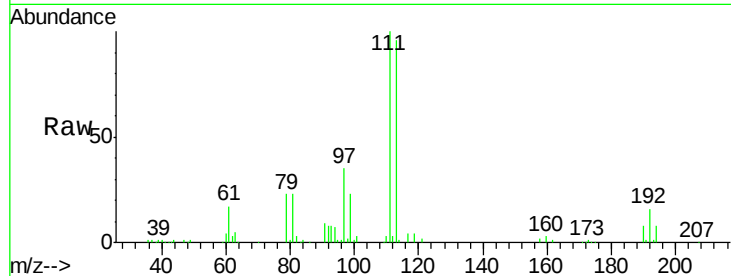
#35
 Dibromofluoromethane
 Concen: 51.840 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	171584		
111	102.1	81.1	121.7	
192	15.8	12.8	19.2	

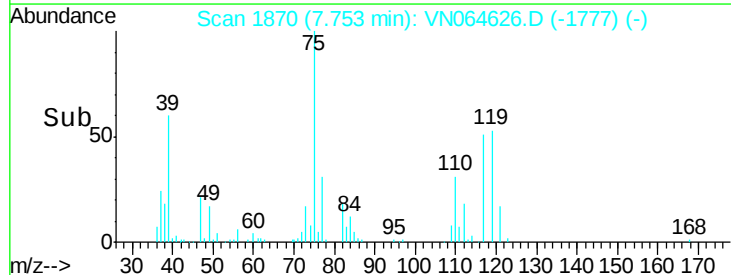
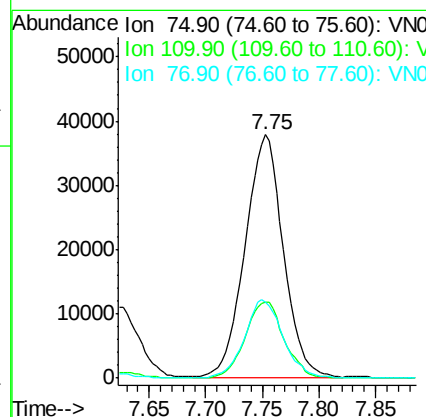
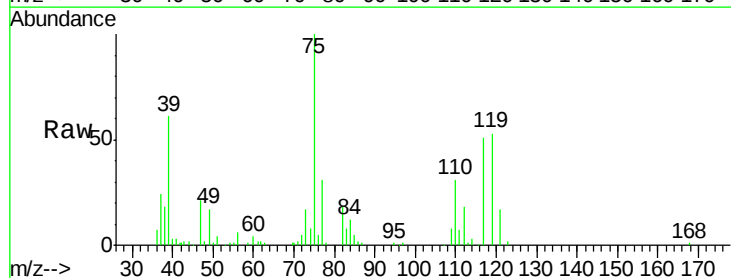
Manual Integrations
 APPROVED

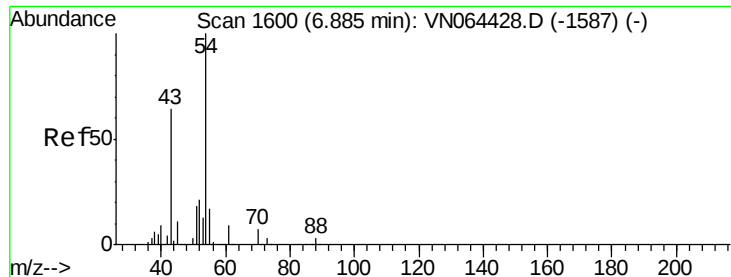
MMDadoda
 11/17/2020 6:41:29 PM



#36
 1,1-Dichloropropene
 Concen: 17.413 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	89426		
110	31.6	16.0	48.0	
77	32.3	24.0	36.0	





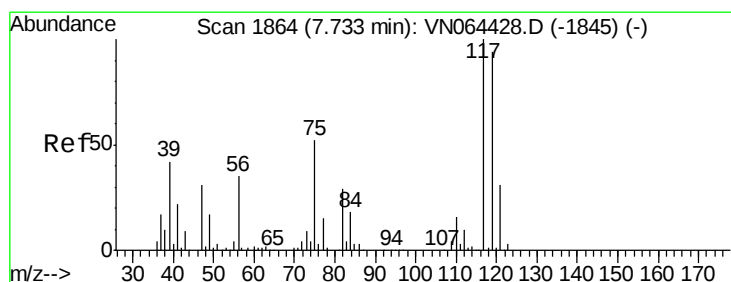
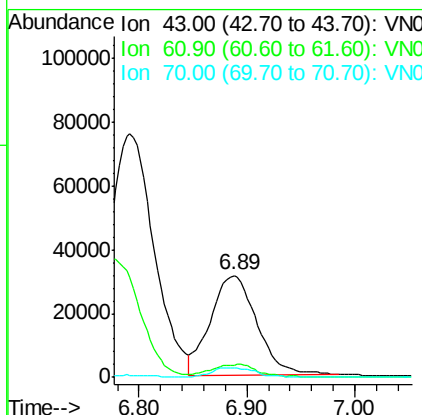
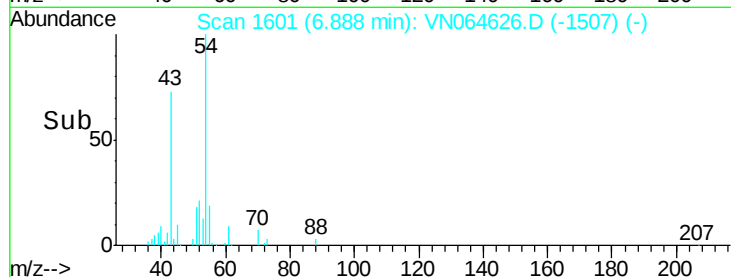
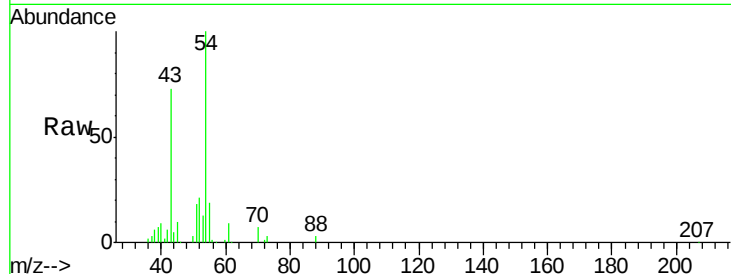
#37
Ethyl Acetate
Concen: 18.608 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	43	61	70
Resp	94457		
Ratio	100	11.3	9.1
Lower		10.0	7.1
Upper		15.0	10.7

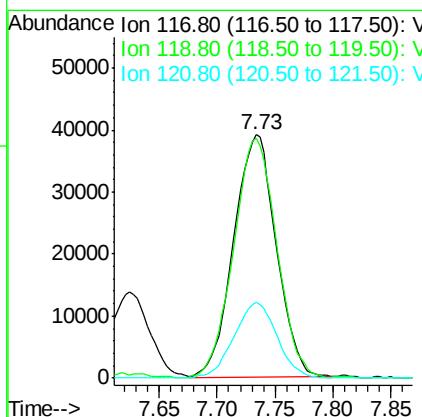
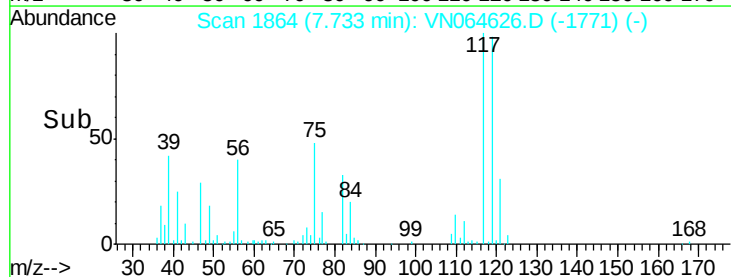
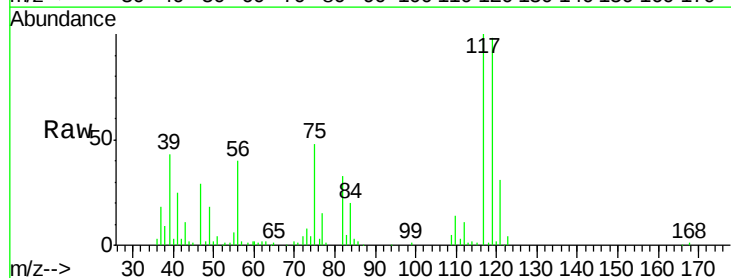
Manual Integrations
APPROVED

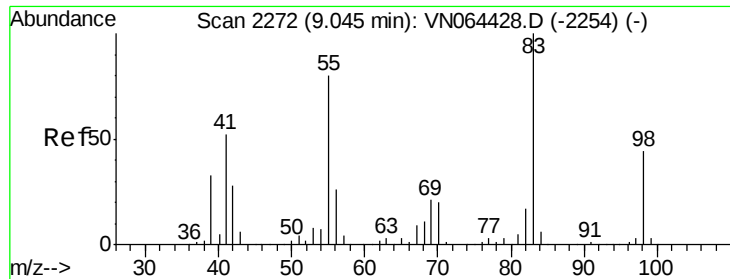
MMDadoda
11/17/2020 6:41:29 PM



#38
Carbon Tetrachloride
Concen: 18.144 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion	117	119	121
Resp	99589		
Ratio	100	98.4	31.1
Lower		75.5	24.4
Upper		113.3	36.6





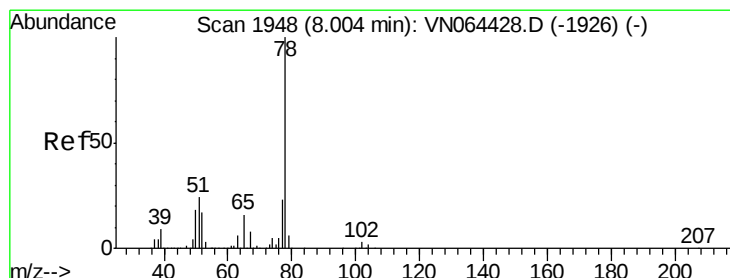
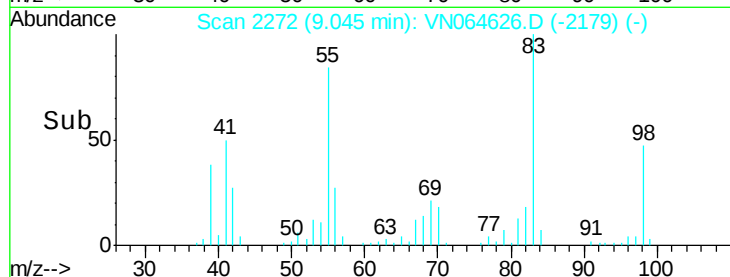
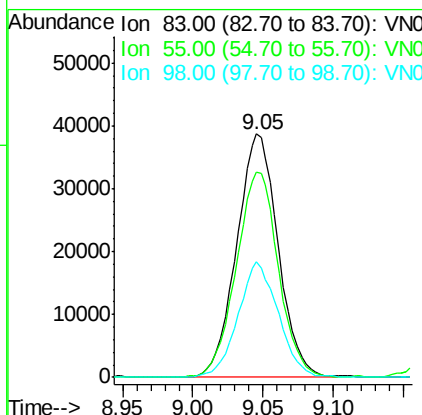
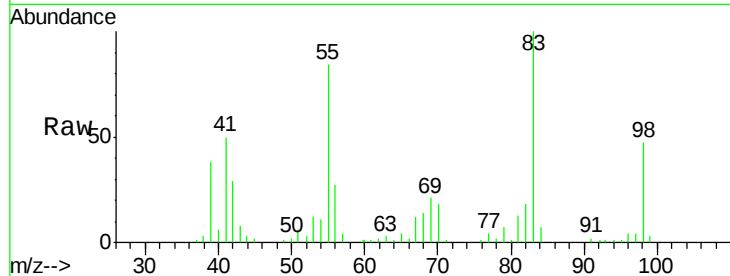
#39
Methvlcvclohexane
Concen: 17.276 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.1	63.8	95.6
98	47.2	35.4	53.2

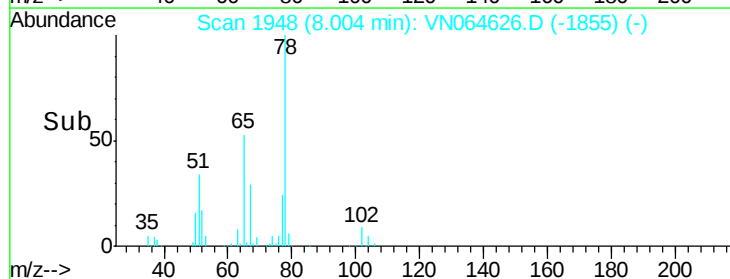
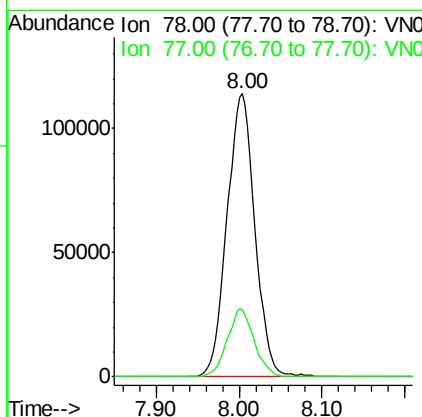
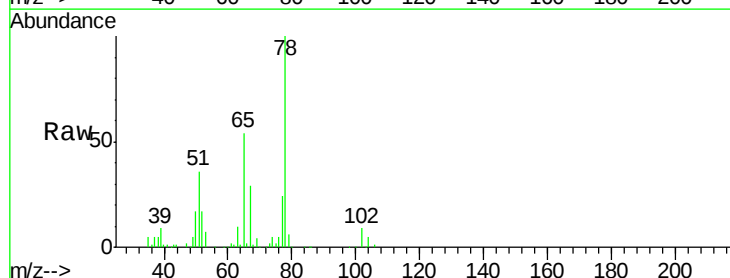
Manual Integrations
APPROVED

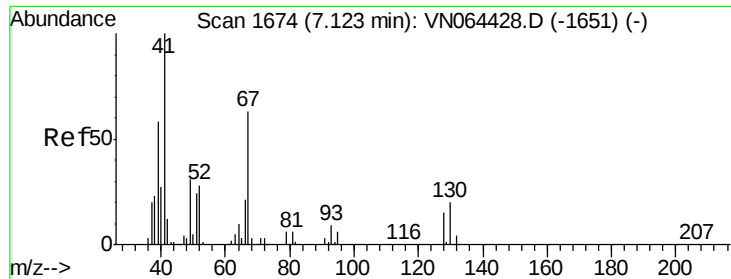
MMDadoda
11/17/2020 6:41:29 PM



#40
Benzene
Concen: 17.729 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1





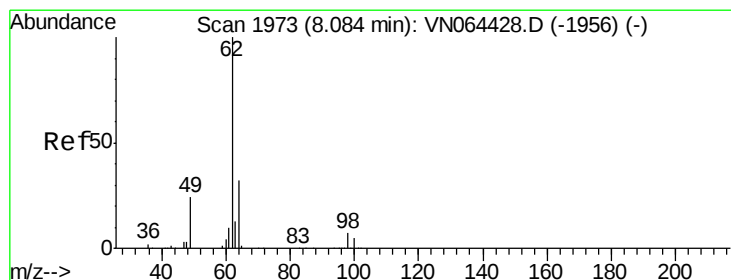
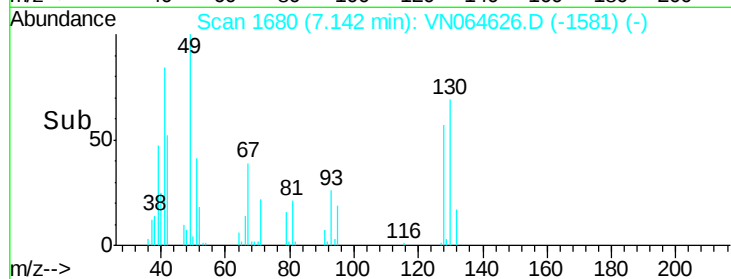
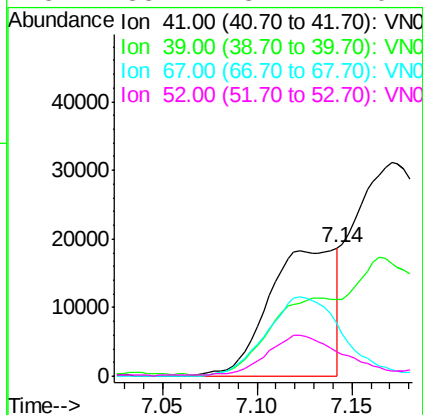
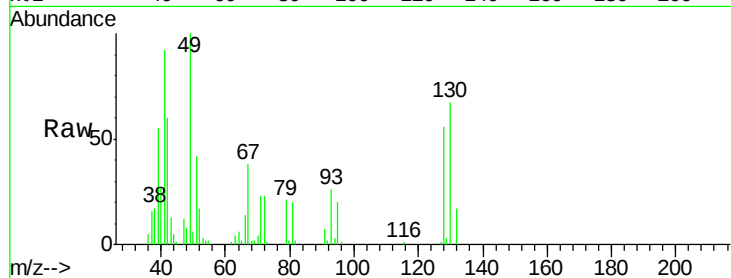
#41
Methacrylonitrile
Concen: 20.048 ug/l m
RT: 7.14 min Scan# 1680
Delta R.T. 0.02 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	41	Resp	45647
Ion Ratio	Lower	Upper	
41	100		
39	59.2	50.0	75.0
67	71.3	68.3	102.5
52	35.4	32.7	49.1

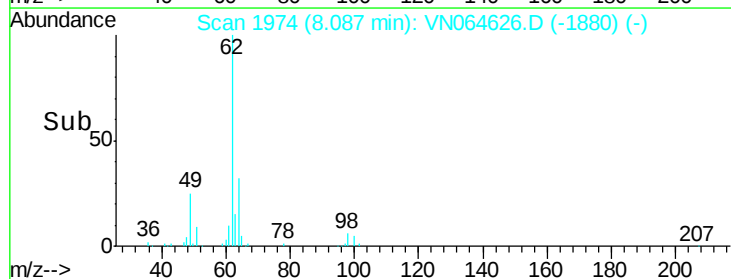
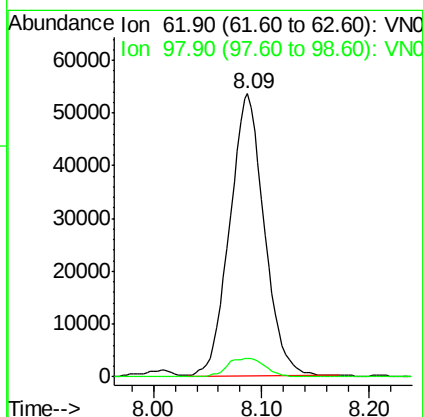
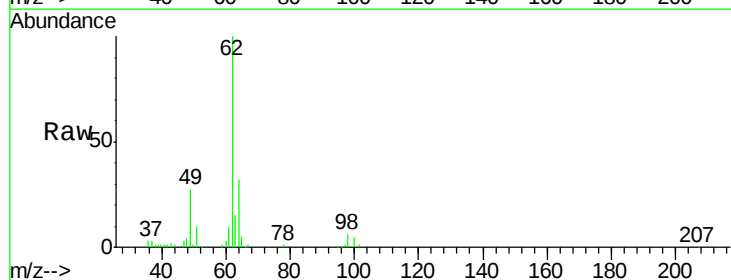
Manual Integrations
APPROVED

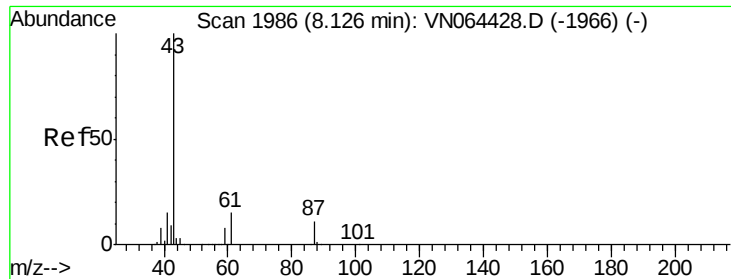
MMDadoda
11/17/2020 6:41:29 PM



#42
1,2-Dichloroethane
Concen: 19.605 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion	62	Resp	119396
Ion Ratio	Lower	Upper	
62	100		
98	7.2	0.0	14.0





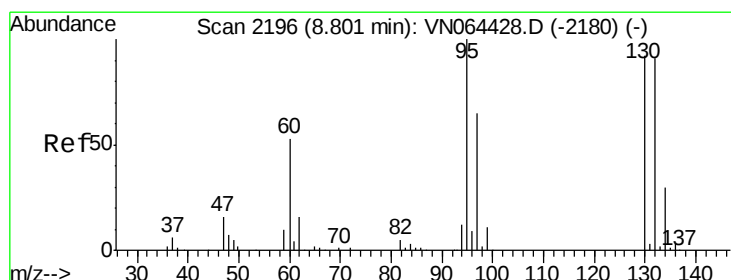
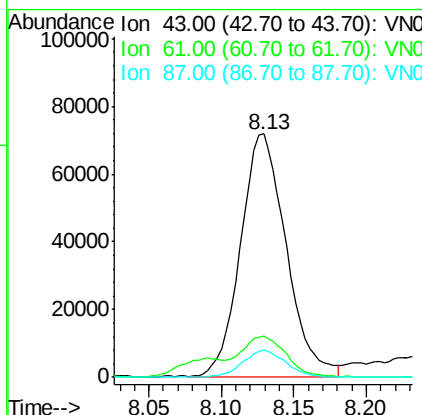
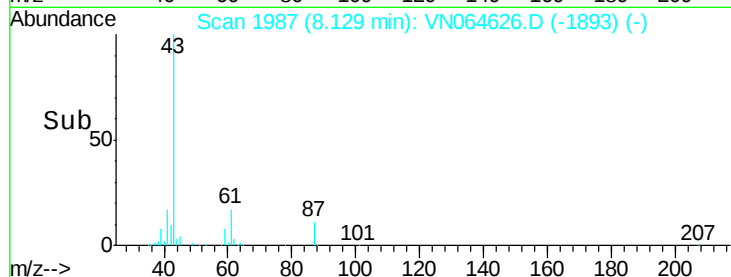
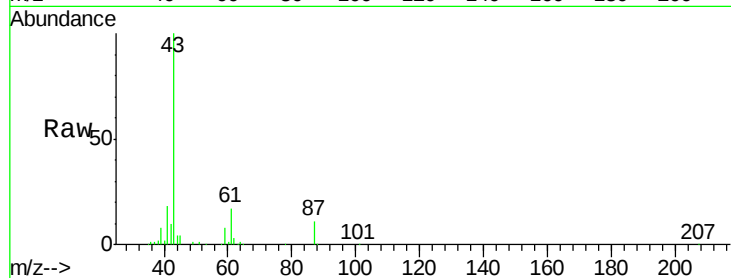
#43
Isopropyl Acetate
Concen: 18.800 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	14.0	21.0
87	10.7	9.1	13.7

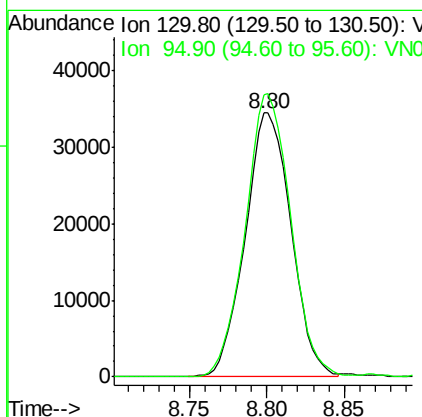
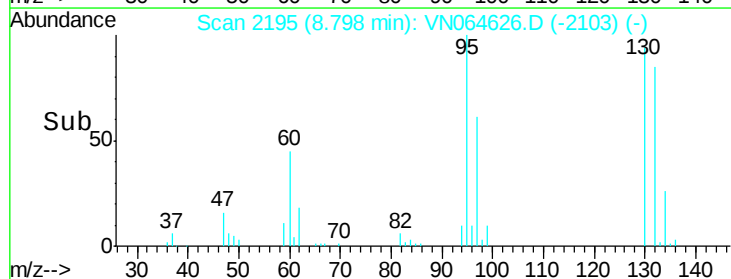
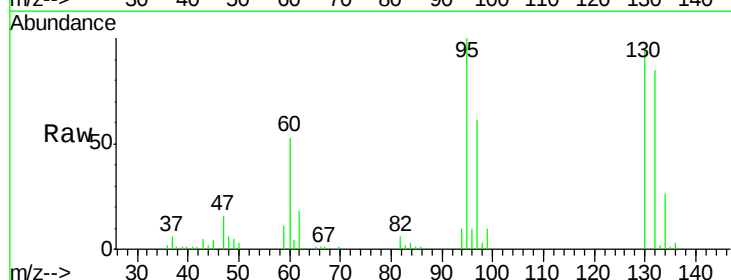
Manual Integrations
APPROVED

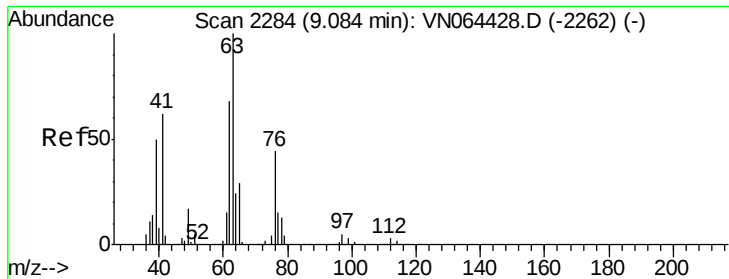
MMDadoda
11/17/2020 6:41:29 PM



#44
Trichloroethene
Concen: 18.687 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	216.8





#45

1,2-Dichloropropane

Concen: 18.602 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 63 Resp: 74902

Ion Ratio Lower Upper

63 100

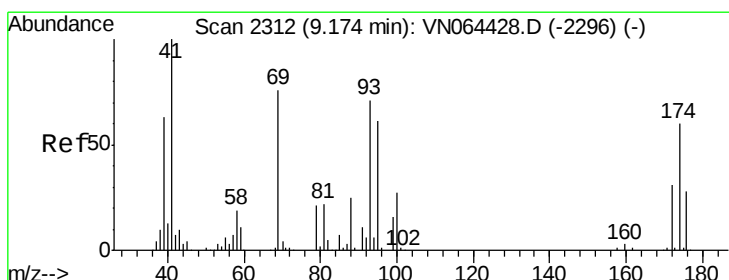
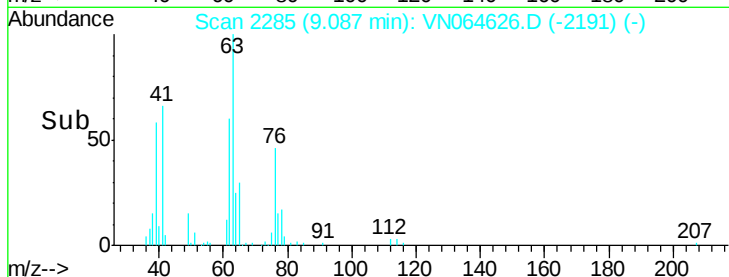
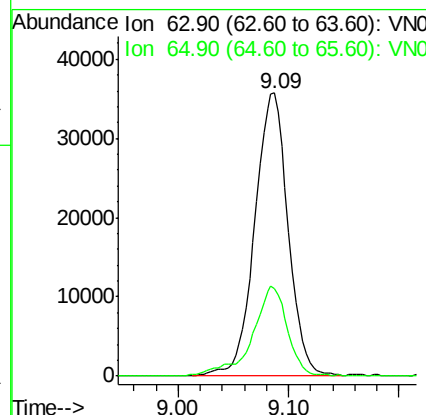
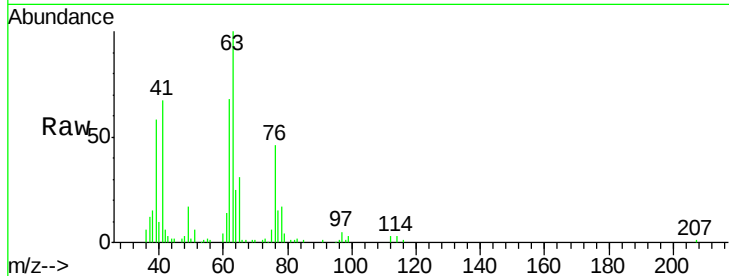
65 31.0 23.6 35.4

Manual Integrations

APPROVED

MMDadoda

11/17/2020 6:41:29 PM



#46

Dibromomethane

Concen: 20.094 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

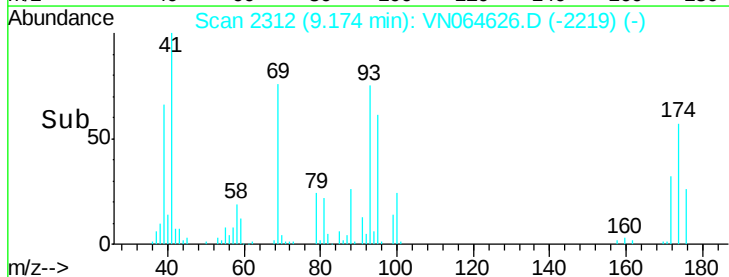
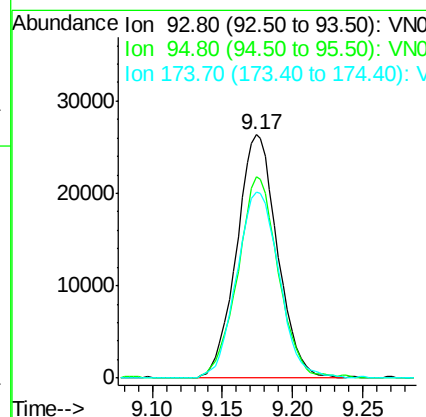
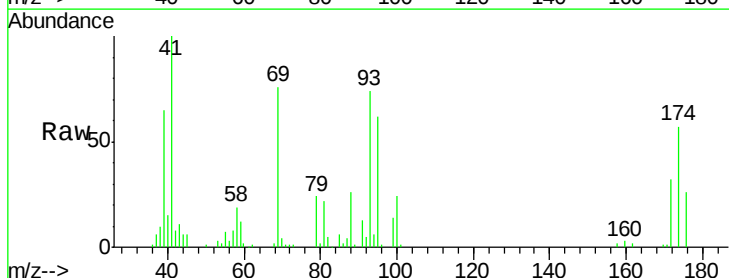
Tgt Ion: 93 Resp: 53263

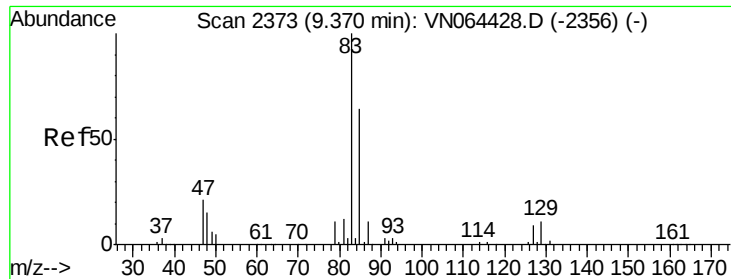
Ion Ratio Lower Upper

93 100

95 82.2 66.4 99.6

174 79.8 67.2 100.8





#47

Bromodichloromethane

Concen: 19.930 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

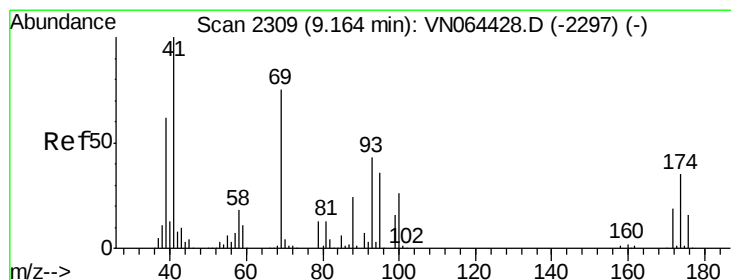
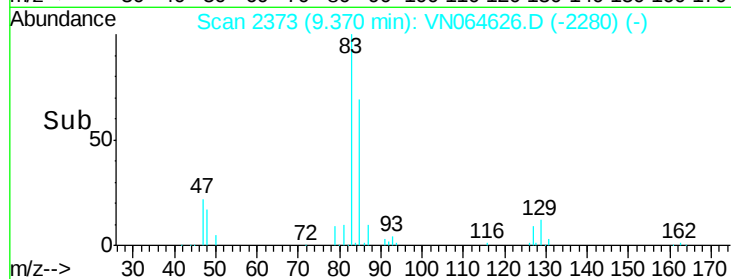
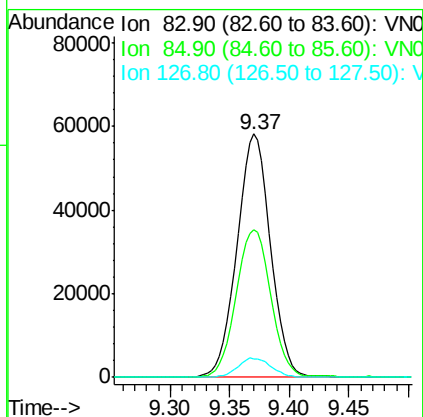
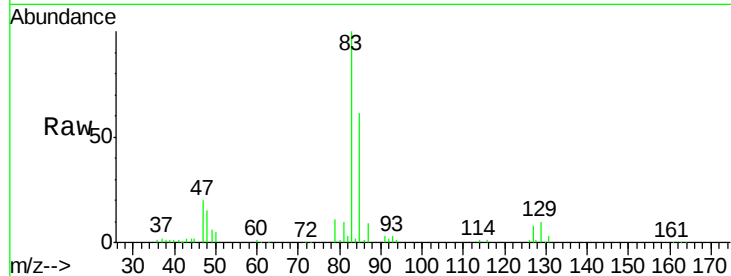
ClientSampleId :

VN1113WBSD01

Tot Ion:	83	Resp:	113591
Ion Ratio	Lower	Upper	
83	100		
85	60.6	51.2	76.8
127	7.7	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
11/17/2020 6:41:29 PM



#48

Methyl methacrylate

Concen: 18.350 ug/l

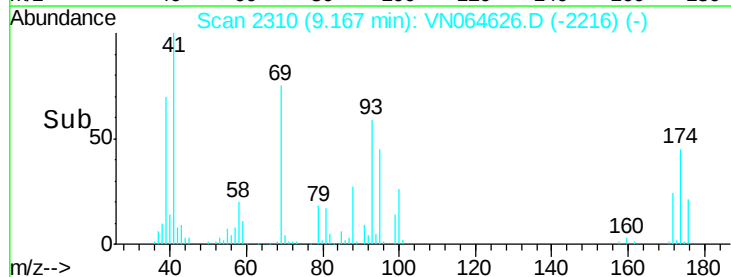
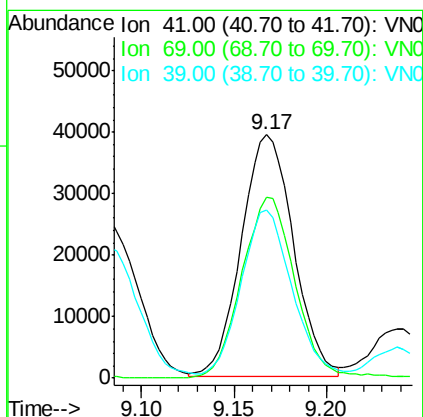
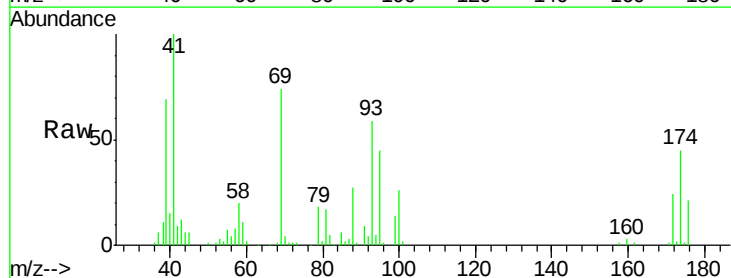
RT: 9.17 min Scan# 2310

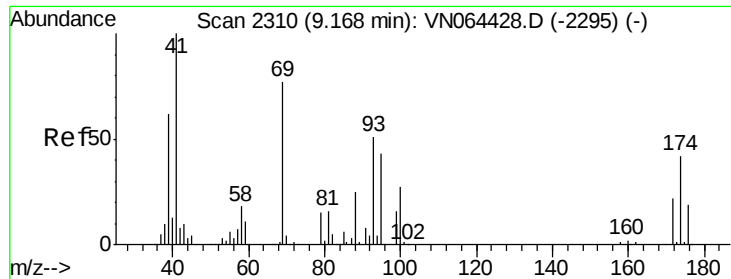
Delta R.T. 0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Tgt Ion:	41	Resp:	77062
Ion Ratio	Lower	Upper	
41	100		
69	76.4	60.4	90.6
39	67.3	51.2	76.8





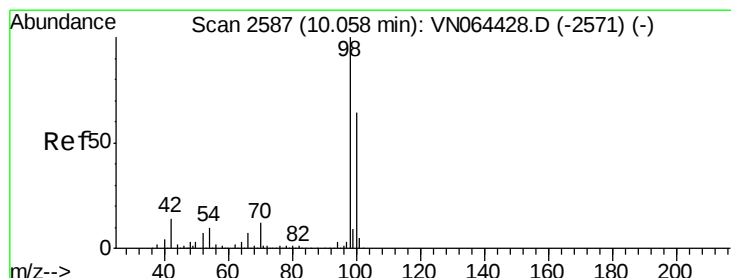
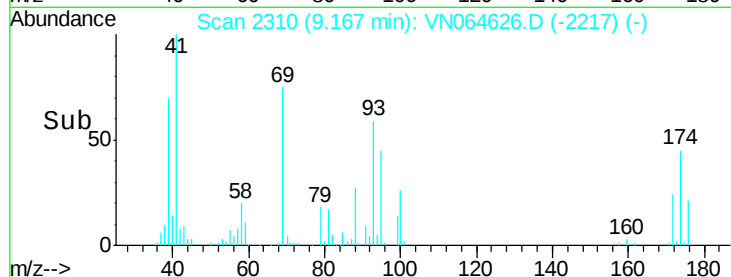
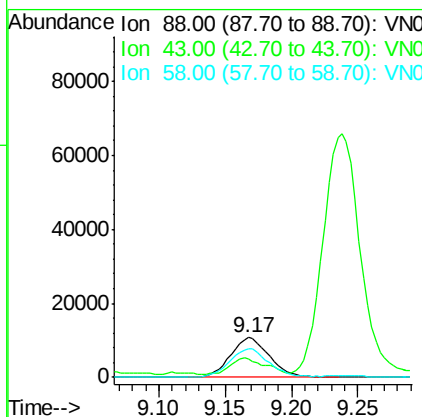
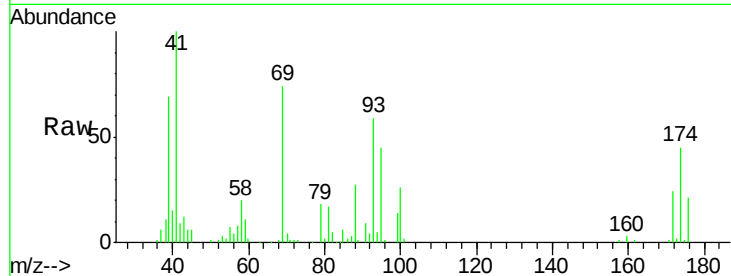
#49
1,4-Dioxane
Concen: 398.444 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	88	Resp	22040
Ion	Ratio	Lower	Upper
88	100		
43	34.7	31.0	46.6
58	72.6	58.4	87.6

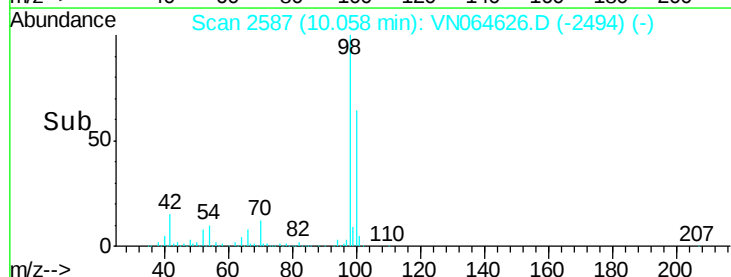
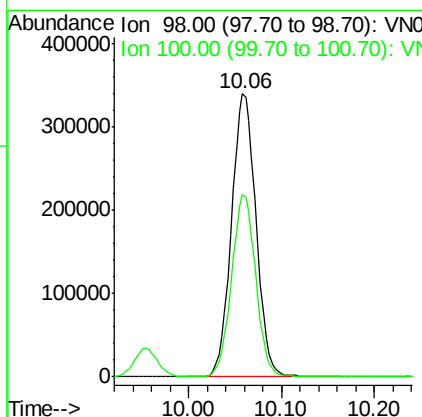
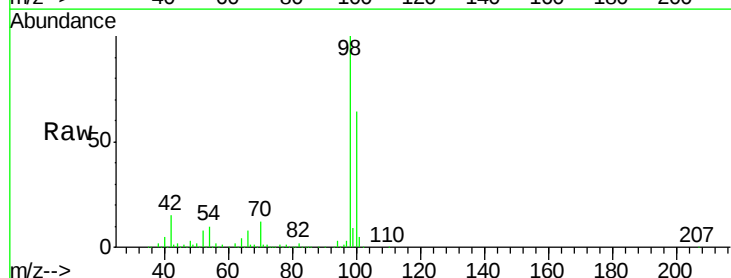
Manual Integrations
APPROVED

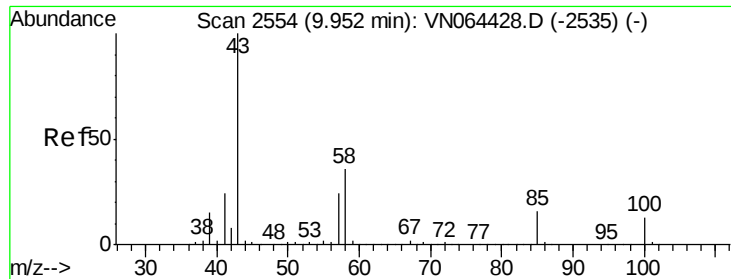
MMDadoda
11/17/2020 6:41:29 PM



#50
Toluene-d8
Concen: 48.611 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion	98	Resp	621864
Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 100.813 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 43 Resp: 489297

Ion Ratio Lower Upper

43 100

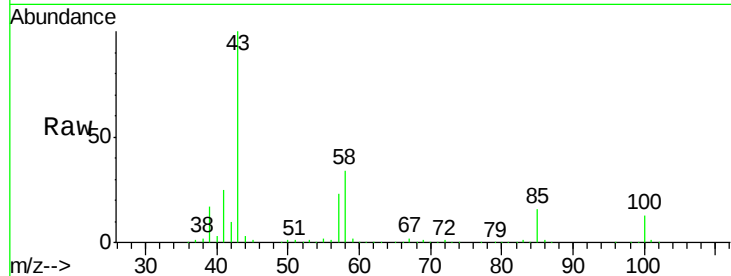
58 35.2 28.4 42.6

Manual Integrations

APPROVED

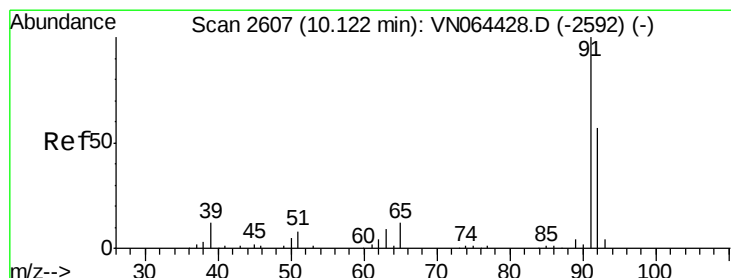
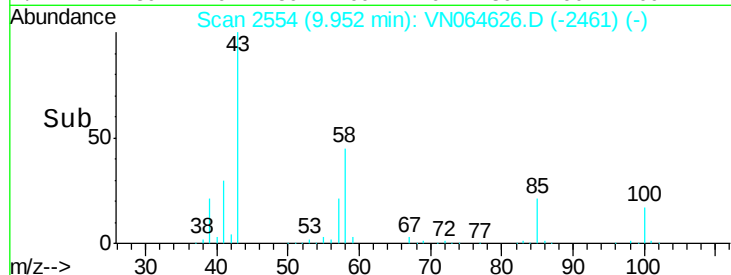
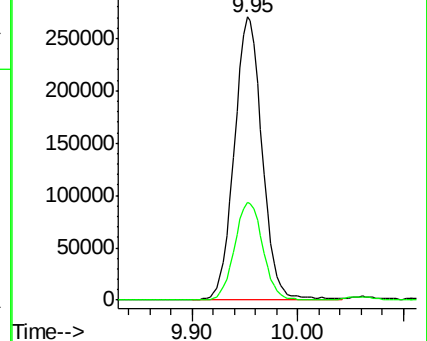
MMDadoda

11/17/2020 6:41:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.579 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064626.D

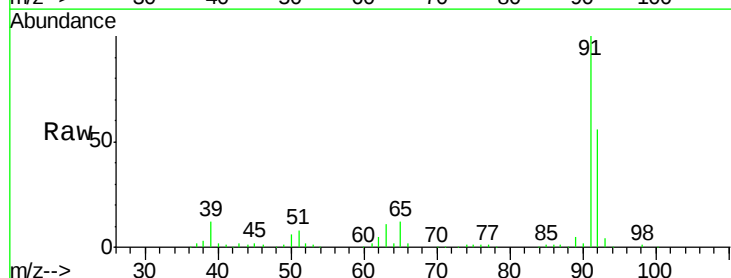
Acq: 13 Nov 2020 12:57

Tgt Ion: 92 Resp: 171008

Ion Ratio Lower Upper

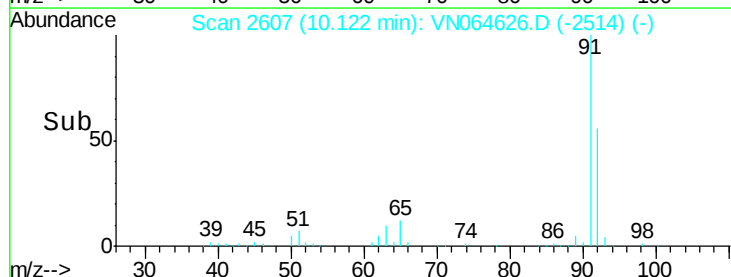
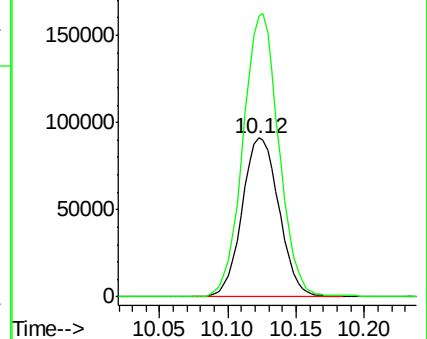
92 100

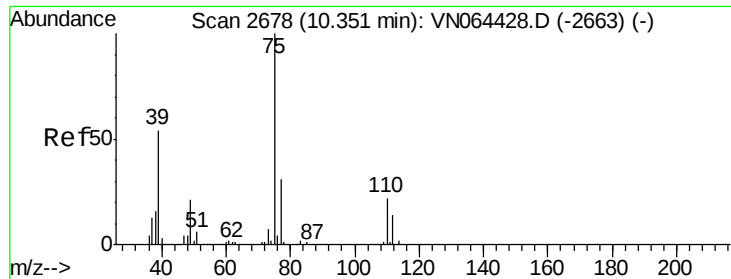
91 173.7 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





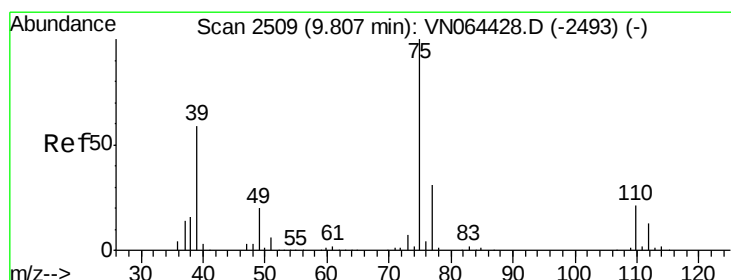
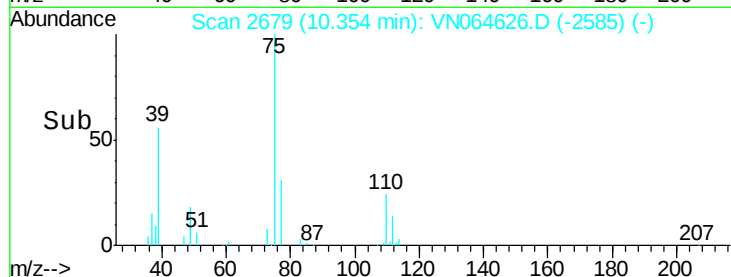
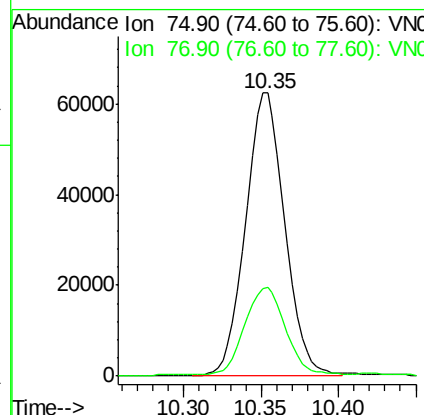
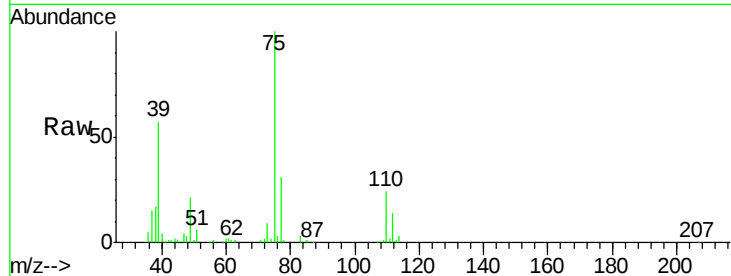
#53
 t-1,3-Dichloropropene
 Concen: 18.256 ug/l
 RT: 10.35 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN1113WBSD01

Tot Ion: 75 Resp: 110314
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.8 37.2

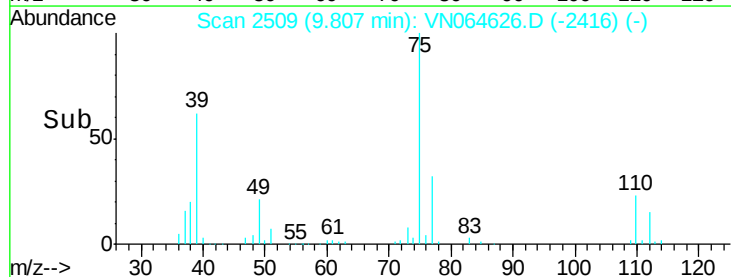
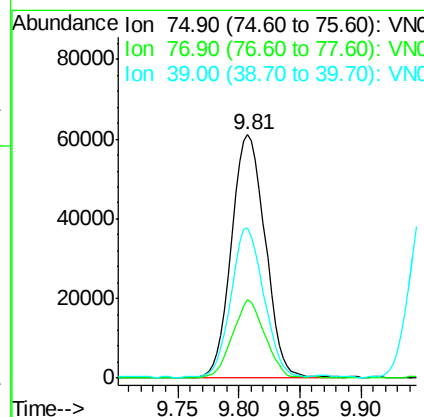
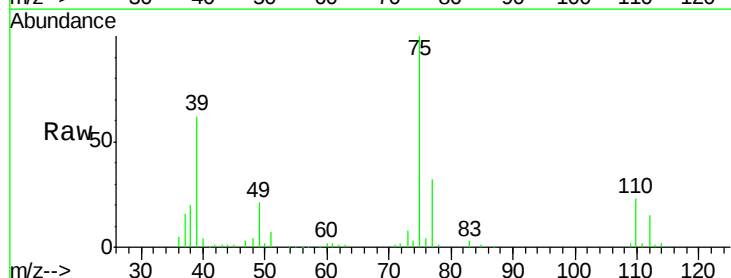
Manual Integrations
 APPROVED

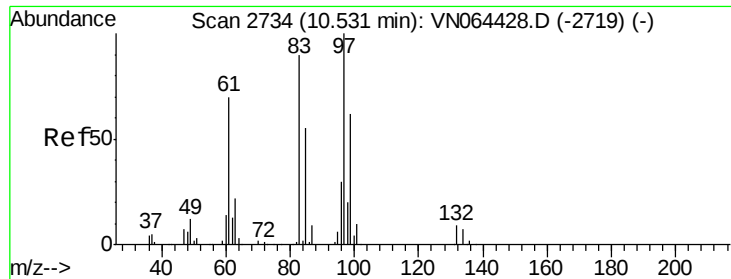
MMDadoda
 11/17/2020 6:41:29 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.319 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Tgt Ion: 75 Resp: 118346
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.9 37.3
 39 61.0 47.1 70.7





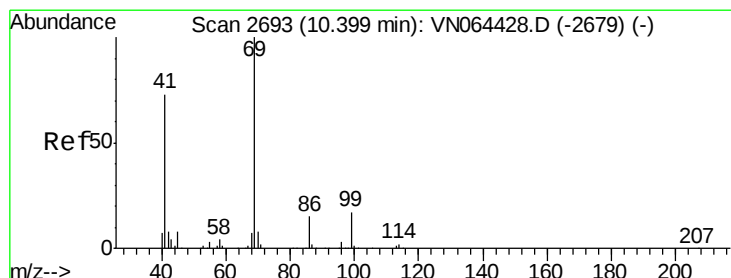
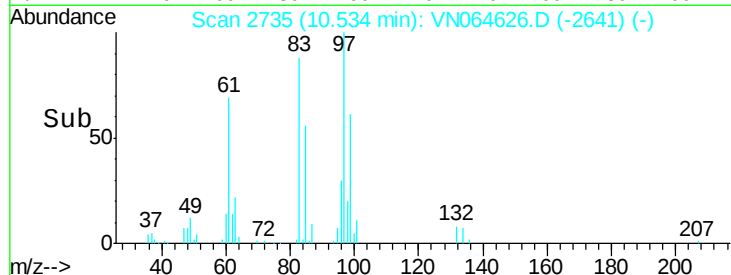
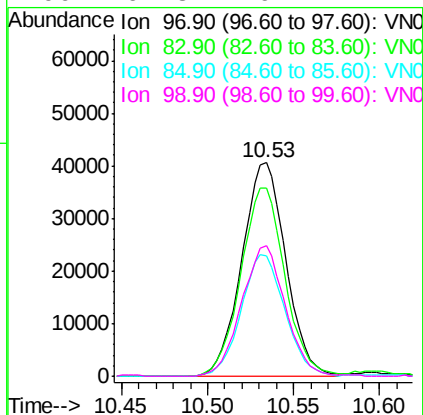
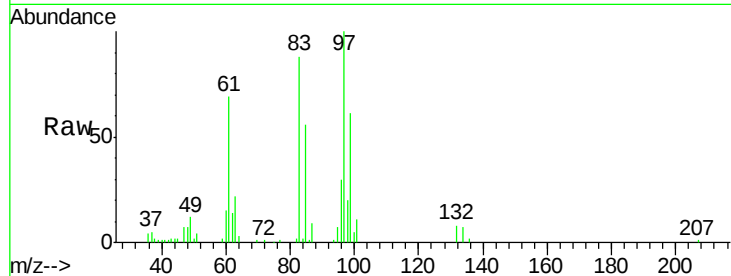
#55
 1,1,2-Trichloroethane
 Concen: 20.073 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion:	97	Resp:	72054
Ion	Ratio	Lower	Upper
97	100		
83	88.4	71.7	107.5
85	56.1	44.3	66.5
99	61.3	49.4	74.2

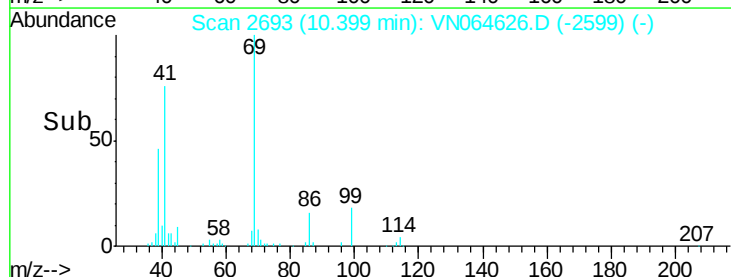
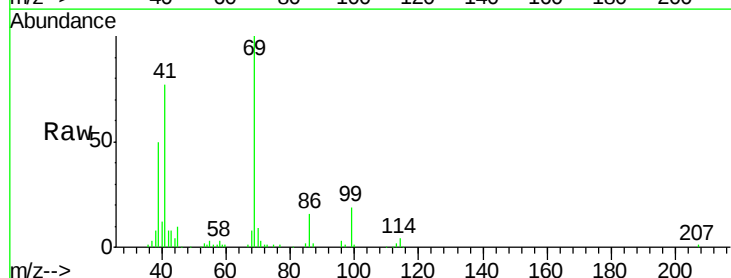
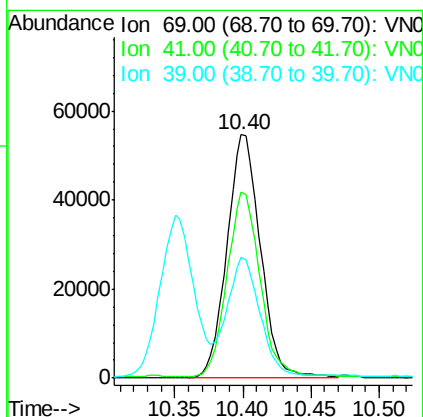
Manual Integrations
 APPROVED

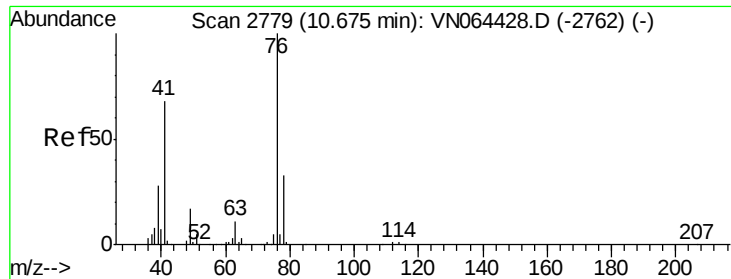
MMDadoda
 11/17/2020 6:41:29 PM



#56
 Ethyl methacrylate
 Concen: 17.099 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Tgt Ion:	69	Resp:	93556
Ion	Ratio	Lower	Upper
69	100		
41	74.4	59.3	88.9
39	47.9	35.4	53.0





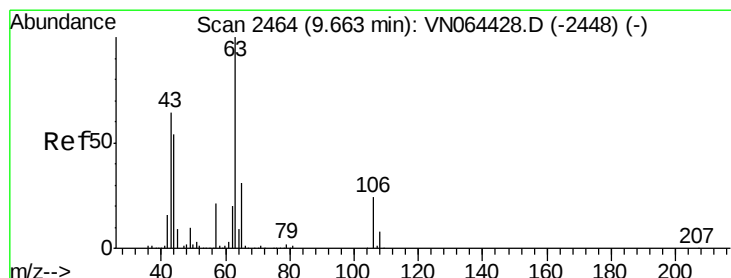
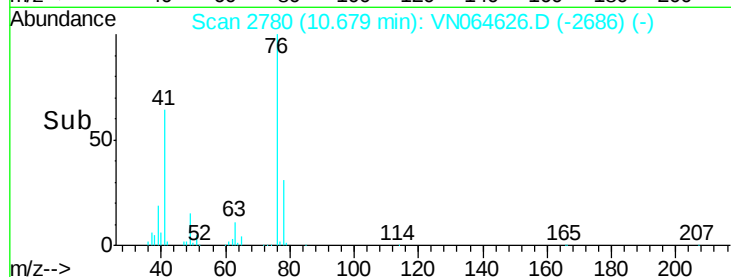
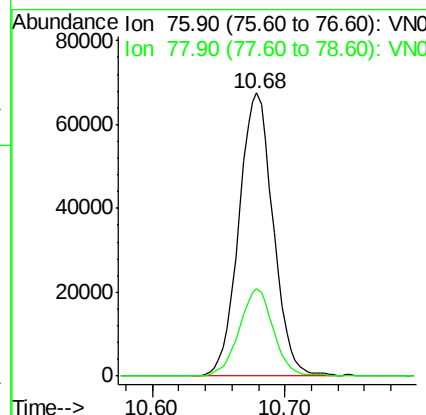
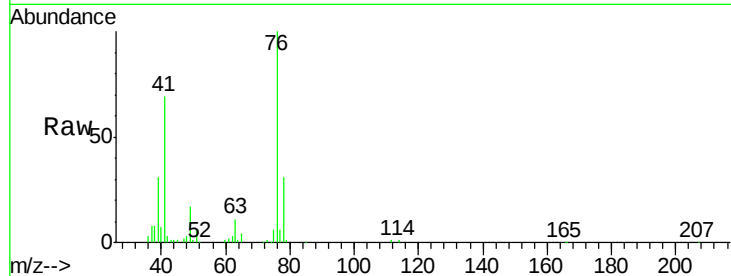
#57
 1,3-Dichloropropane
 Concen: 19.322 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.9	25.8	38.6

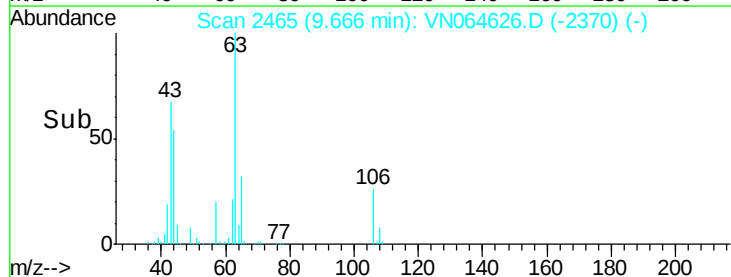
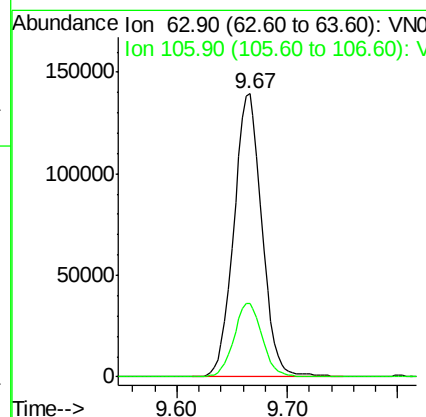
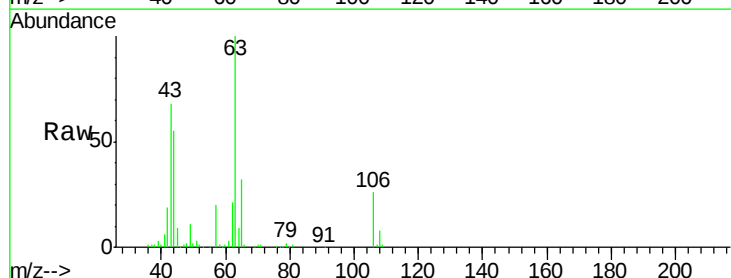
Manual Integrations
 APPROVED

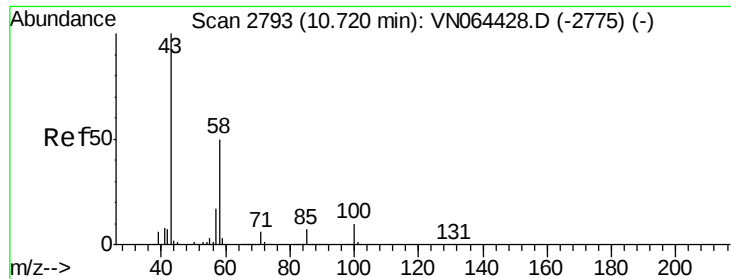
MMDadoda
 11/17/2020 6:41:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.095 ug/l
 RT: 9.67 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.1	19.5	29.3





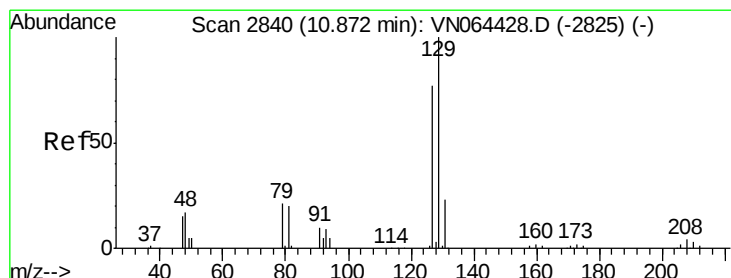
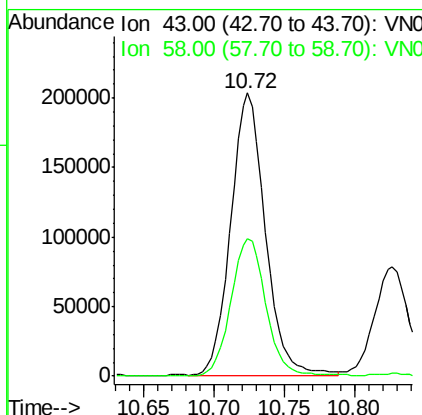
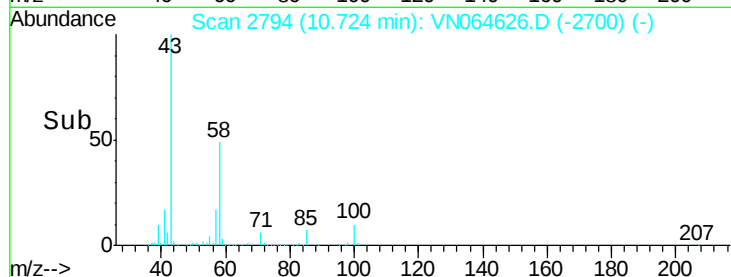
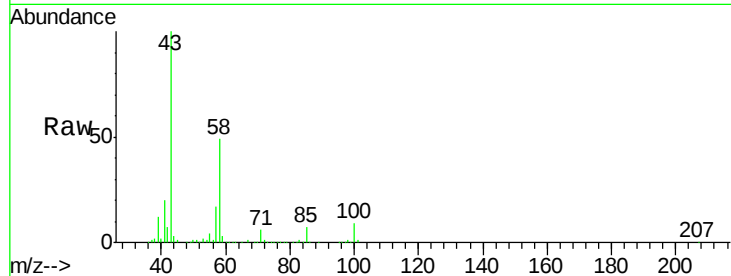
#59
2-Hexanone
Concen: 90.288 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion: 43 Resp: 346989
Ion Ratio Lower Upper
43 100
58 49.8 24.7 74.1

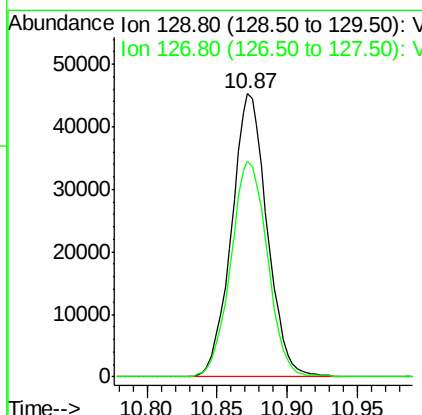
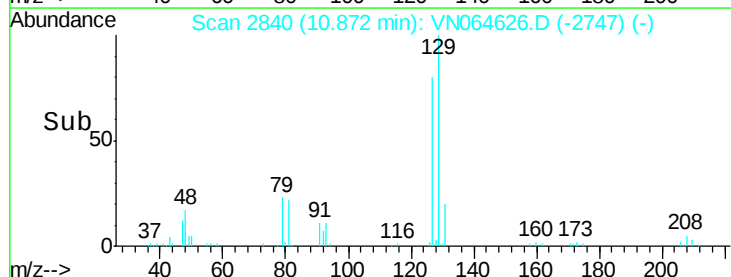
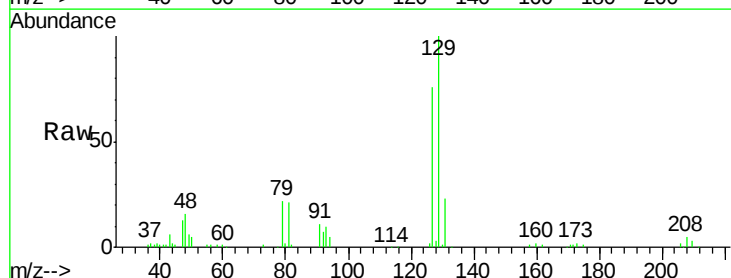
Manual Integrations
APPROVED

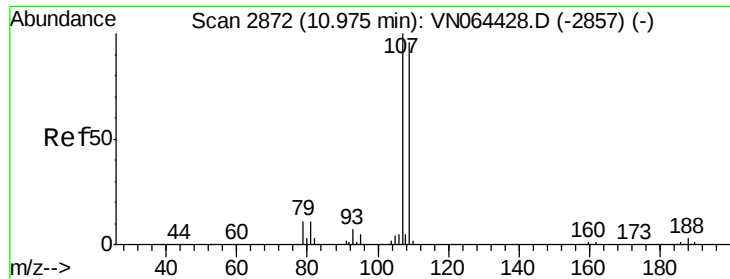
MMDadoda
11/17/2020 6:41:29 PM



#60
Dibromochloromethane
Concen: 19.859 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion: 129 Resp: 79812
Ion Ratio Lower Upper
129 100
127 78.8 38.9 116.7





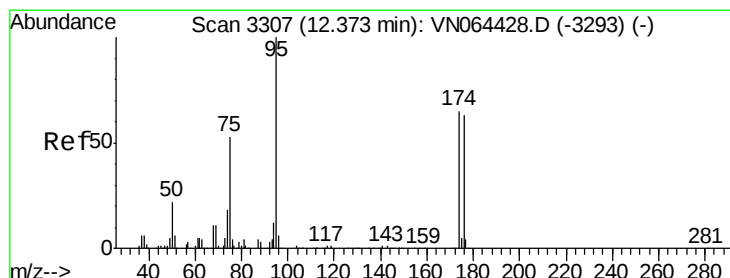
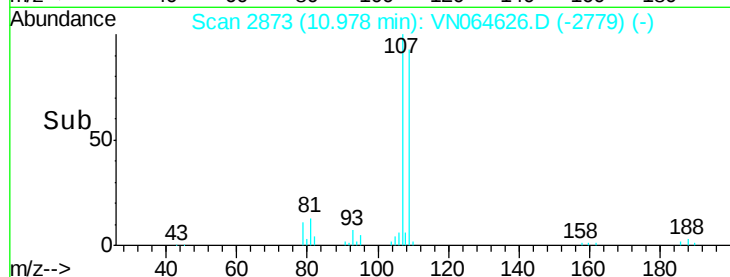
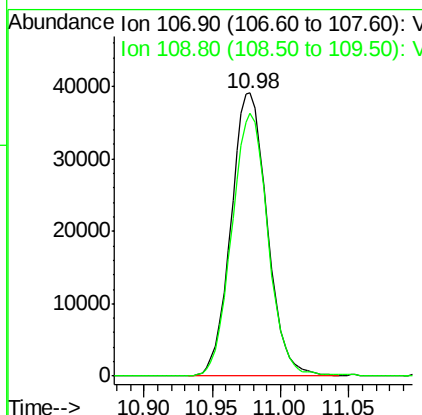
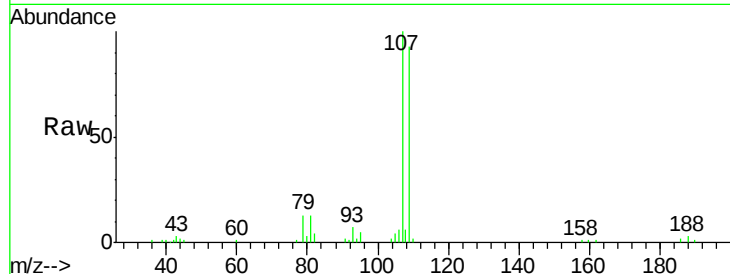
#61
 1,2-Dibromoethane
 Concen: 19.782 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.9	113.9

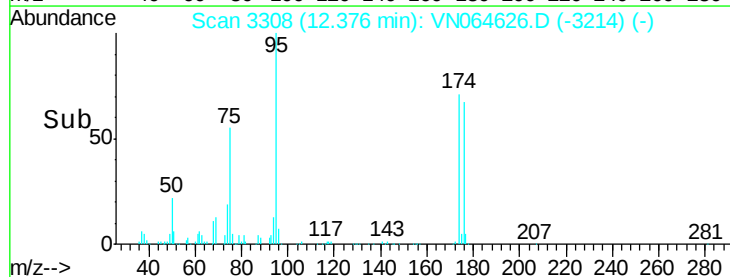
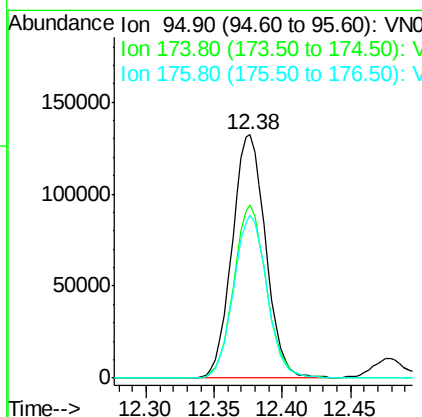
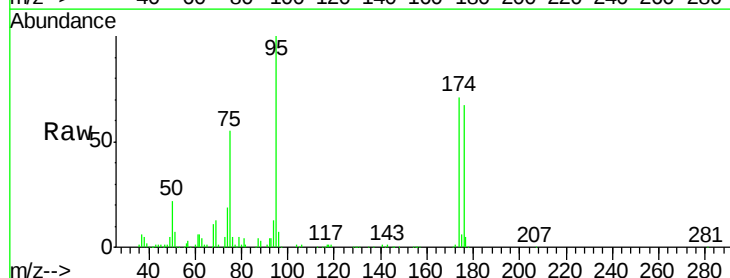
Manual Integrations
 APPROVED

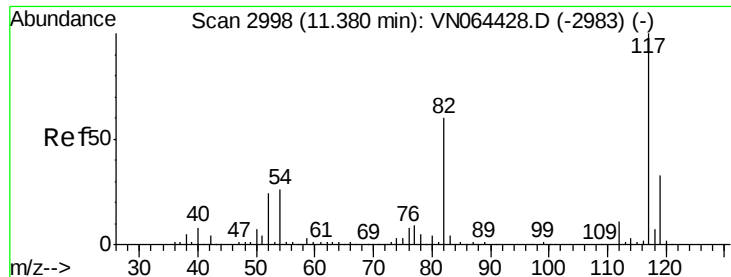
MMDadoda
 11/17/2020 6:41:29 PM



#62
 4-Bromofluorobenzene
 Concen: 46.669 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.5	0.0	132.6
176	66.5	0.0	129.2





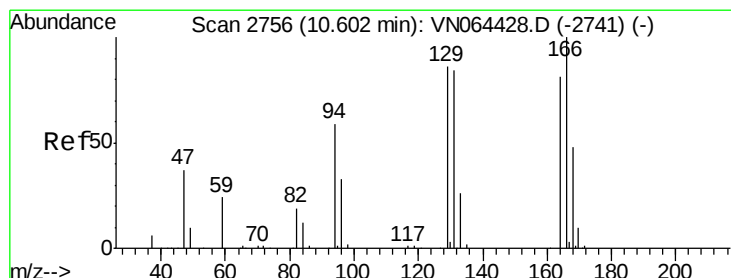
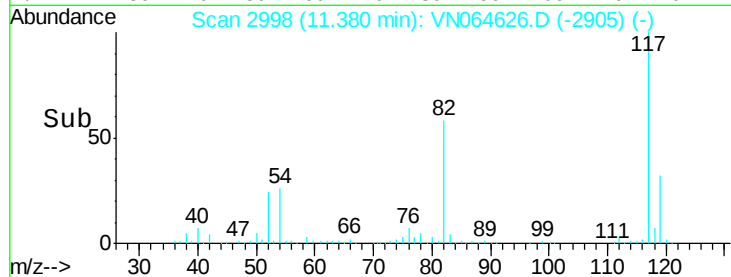
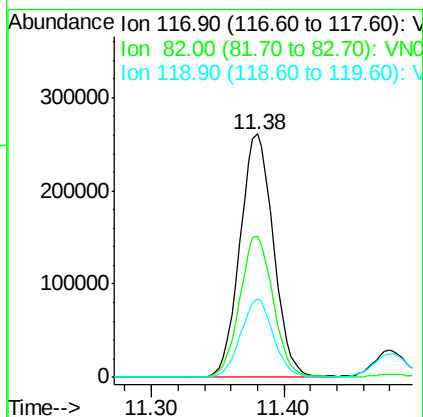
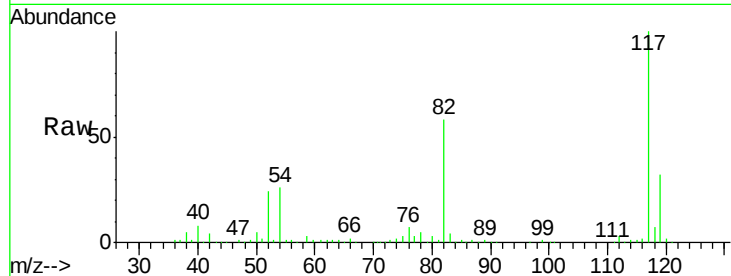
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	48.1	72.1
119	32.4	26.2	39.4

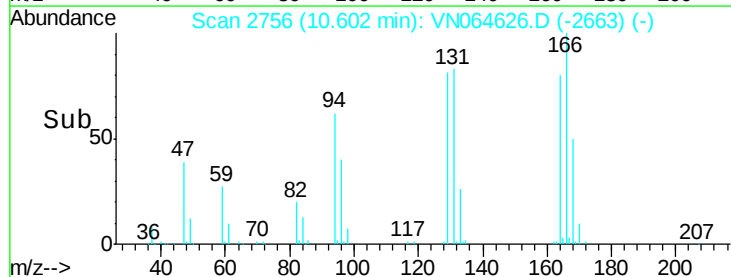
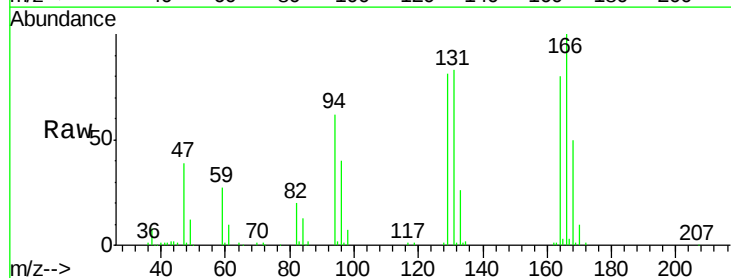
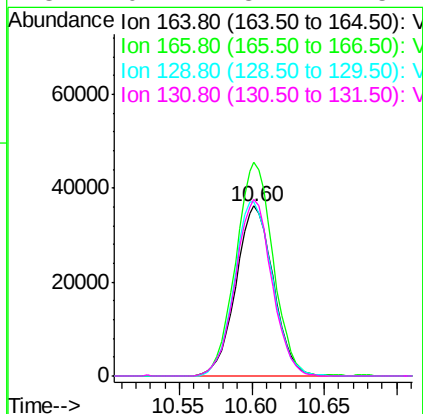
Manual Integrations
APPROVED

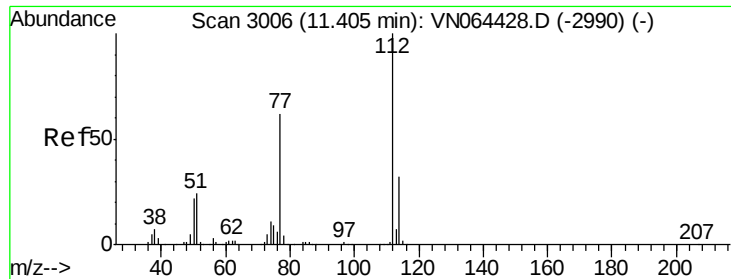
MMDadoda
11/17/2020 6:41:29 PM



#64
Tetrachloroethene
Concen: 18.490 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	98.2	147.2
129	102.2	84.6	127.0
131	104.1	82.2	123.2





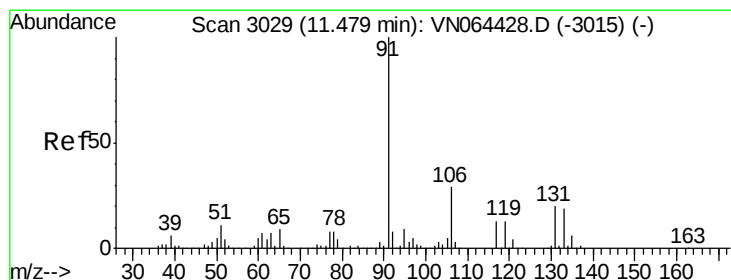
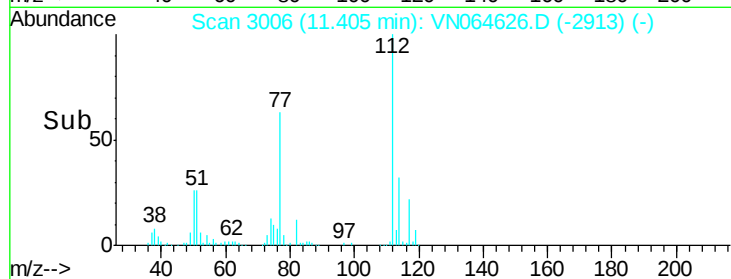
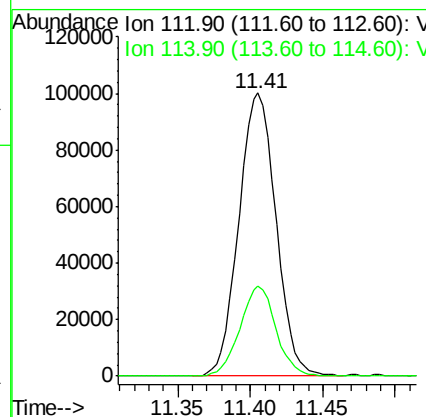
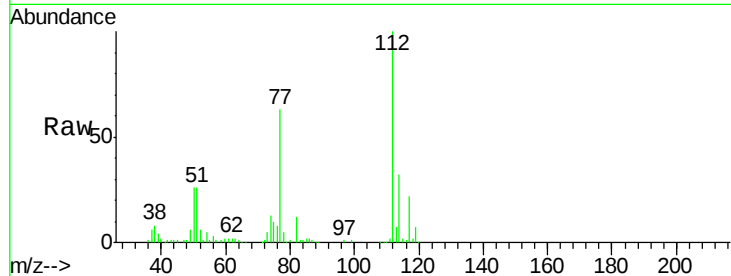
#65
Chlorobenzene
Concen: 17.813 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion:112 Resp: 178508
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4

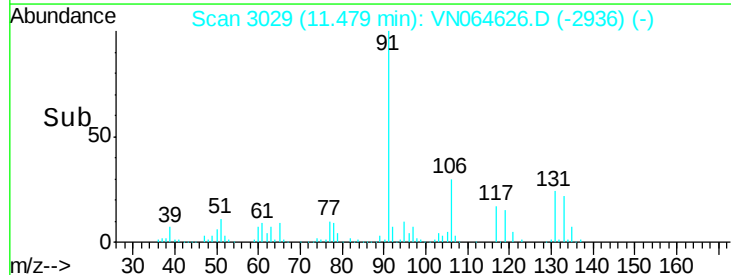
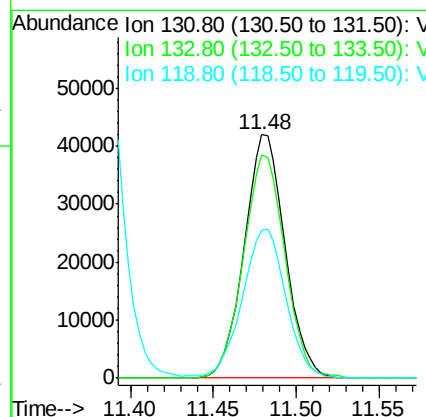
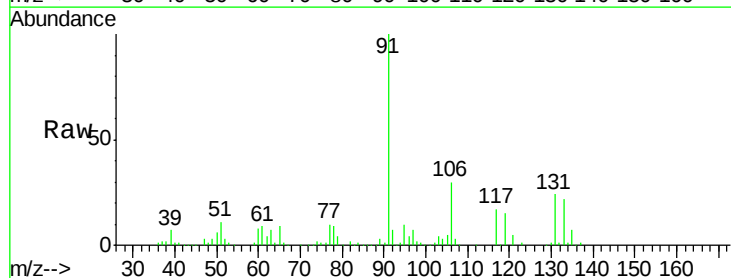
Manual Integrations
APPROVED

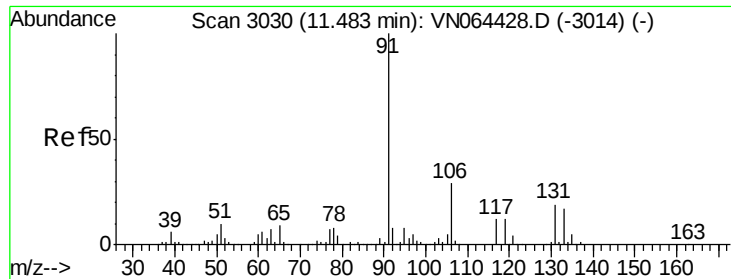
MMDadoda
11/17/2020 6:41:29 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.222 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion:131 Resp: 71861
Ion Ratio Lower Upper
131 100
133 93.3 46.9 140.7
119 65.7 32.1 96.5





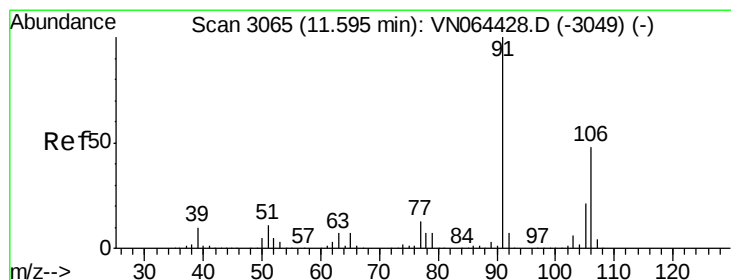
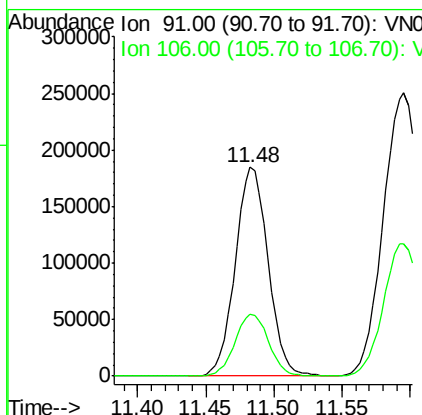
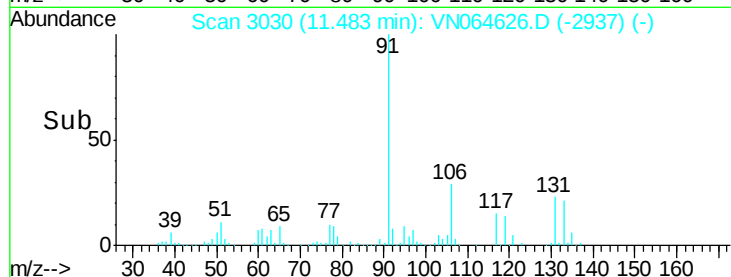
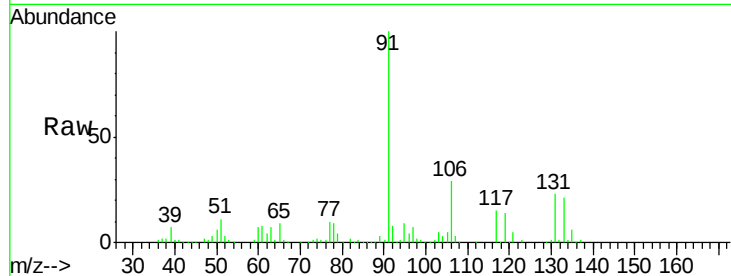
#67
Ethyl Benzene
Concen: 17.363 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion: 91 Resp: 309489
Ion Ratio Lower Upper
91 100
106 29.5 23.6 35.4

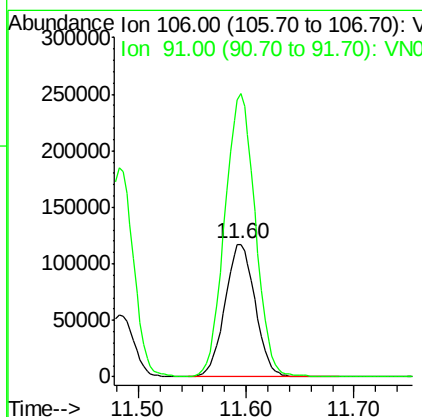
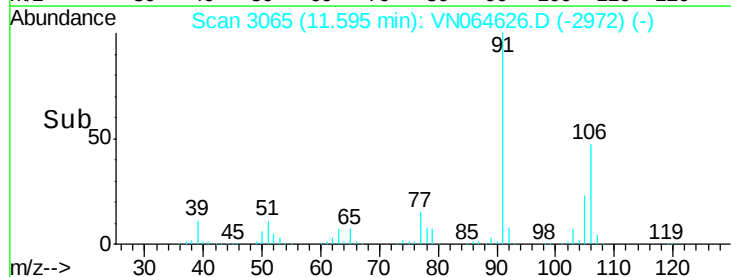
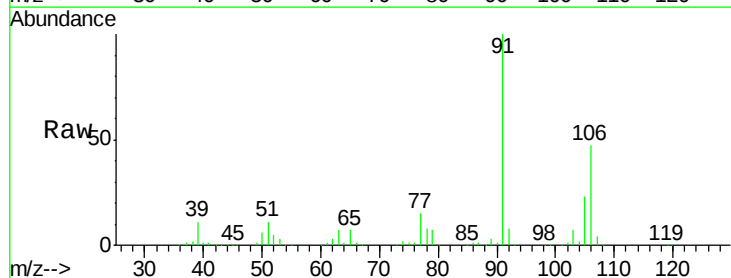
Manual Integrations
APPROVED

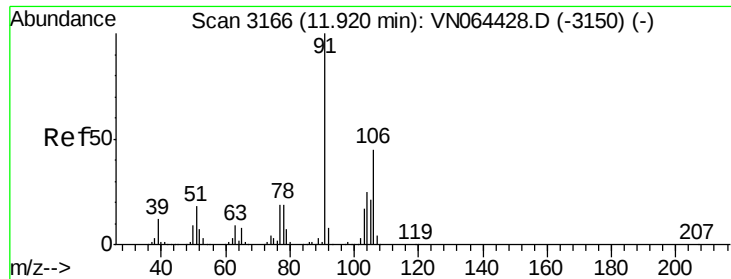
MMDadoda
11/17/2020 6:41:29 PM



#68
m/p-Xylenes
Concen: 35.406 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion: 106 Resp: 228880
Ion Ratio Lower Upper
106 100
91 214.0 169.4 254.2





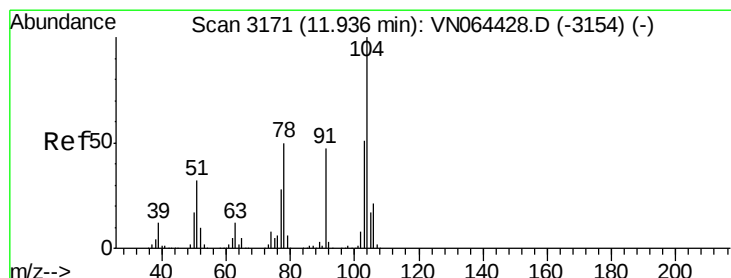
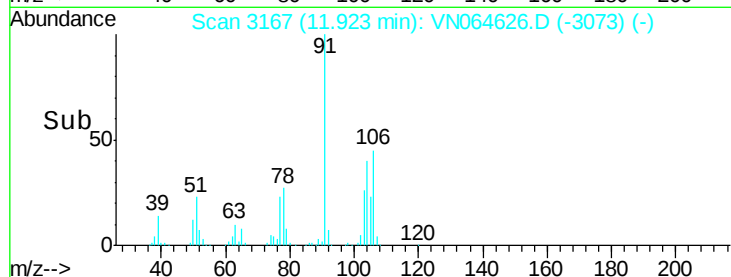
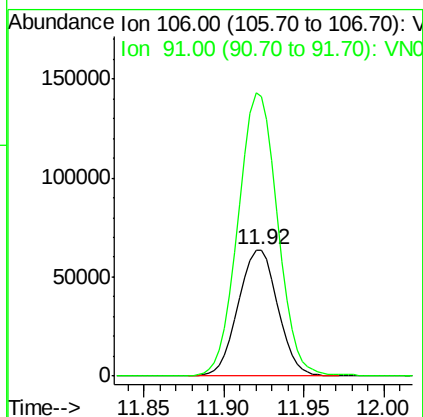
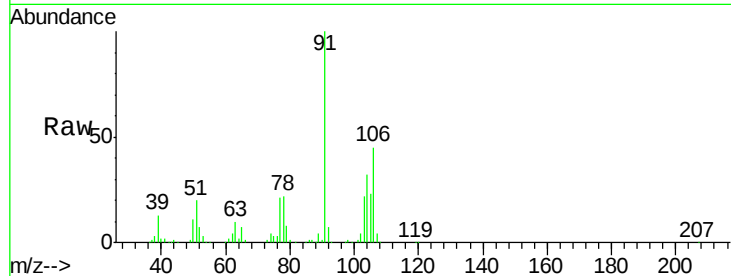
#69
o-Xylene
Concen: 17.290 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	222.8	111.7	334.9	

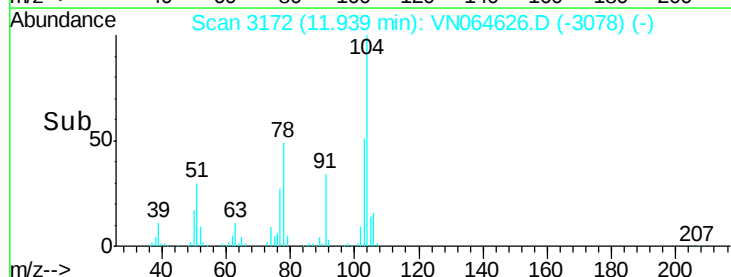
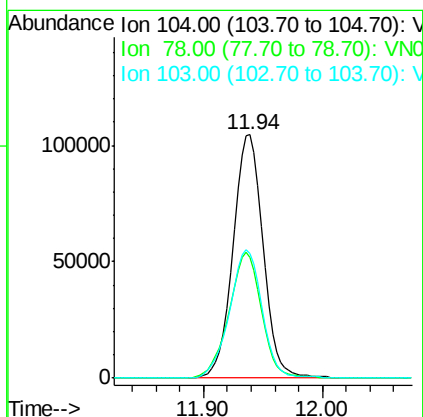
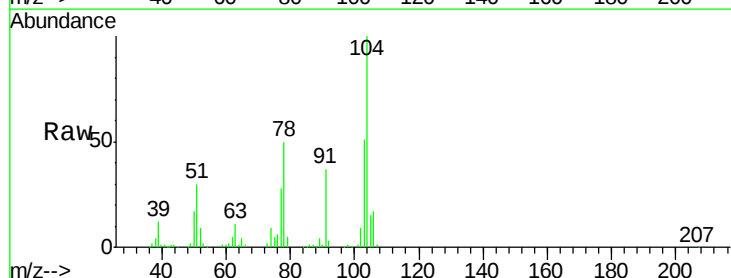
Manual Integrations
APPROVED

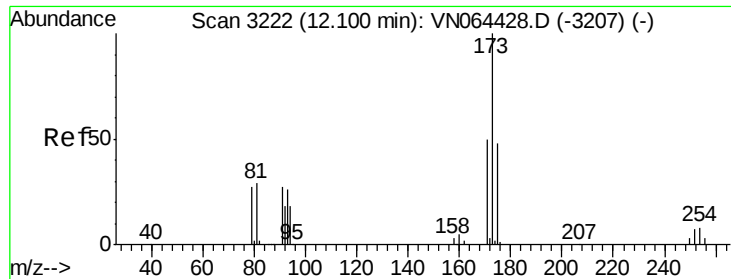
MMDadoda
11/17/2020 6:41:29 PM



#70
Styrene
Concen: 17.494 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	55.5	44.0	66.0	
103	56.5	43.8	65.6	





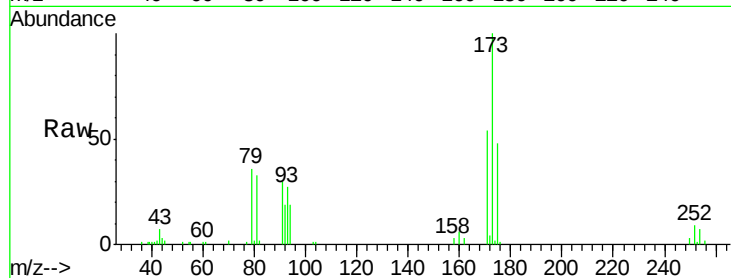
#71
Bromoform
Concen: 19.156 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampled :
VN1113WBSD01

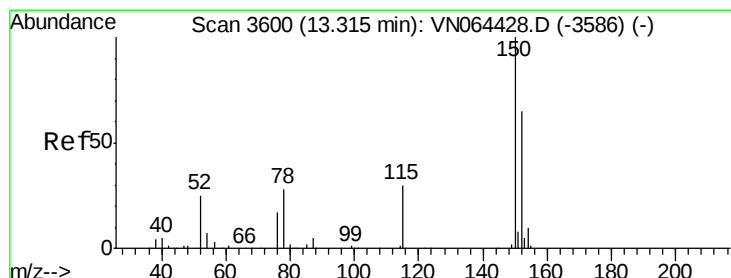
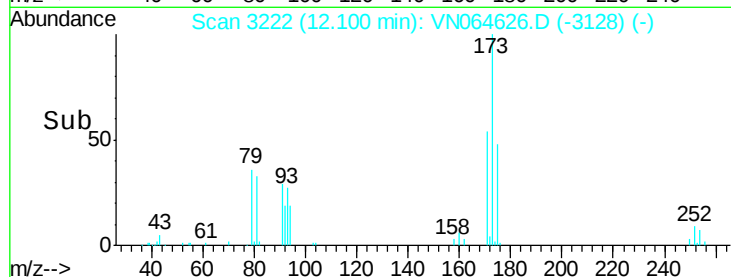
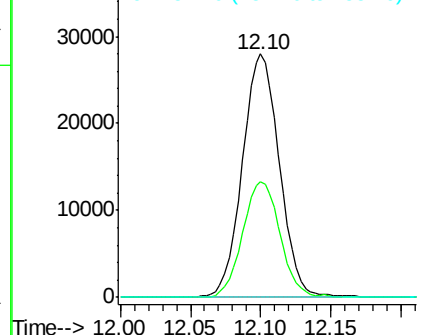
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.7	71.1
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
11/17/2020 6:41:29 PM

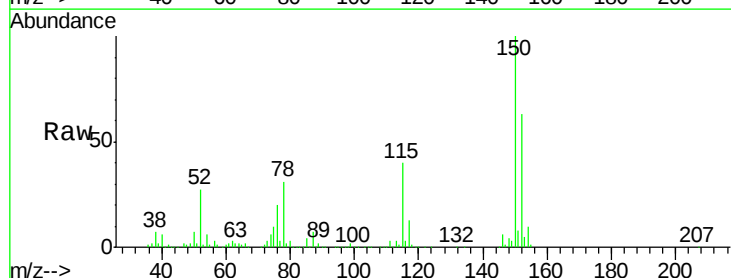


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

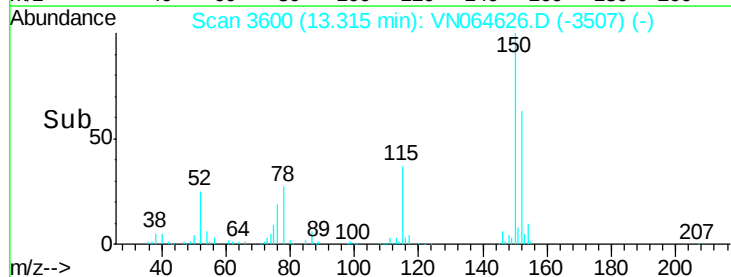
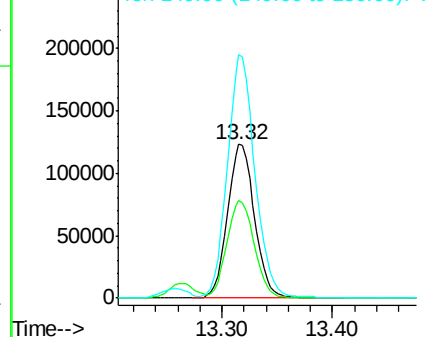


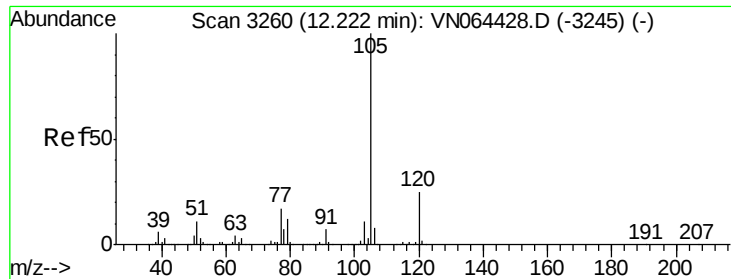
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.2	32.0	96.0
150	160.9	0.0	353.8



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





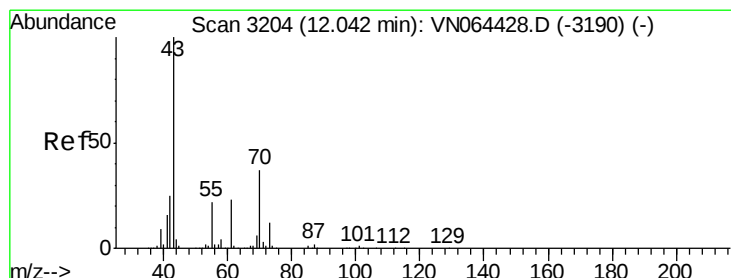
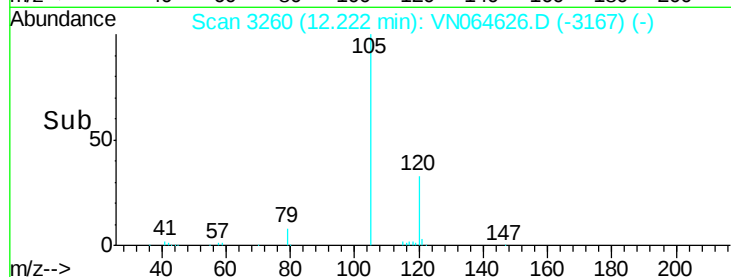
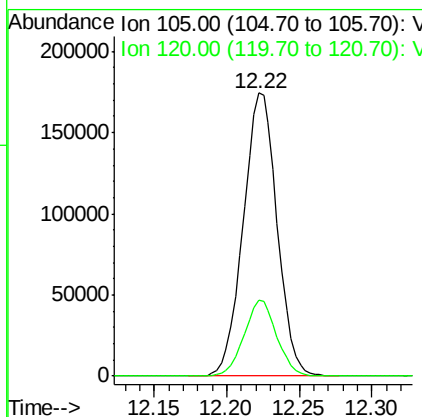
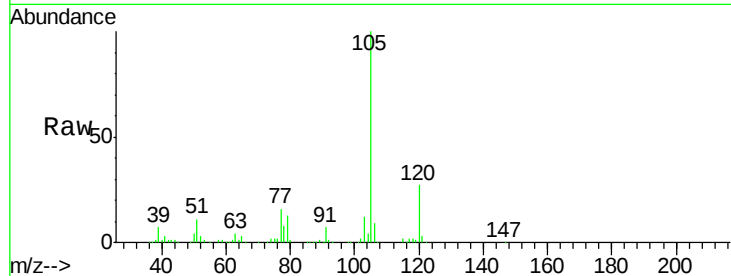
#73
Isopropylbenzene
Concen: 17.043 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.3

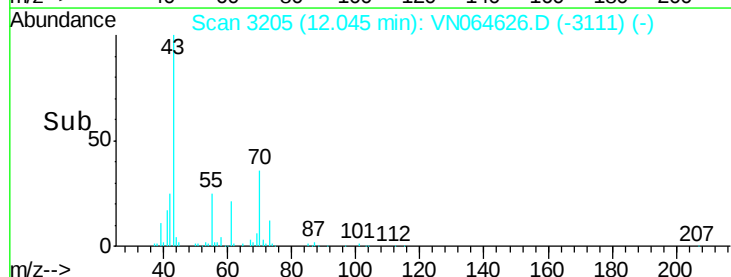
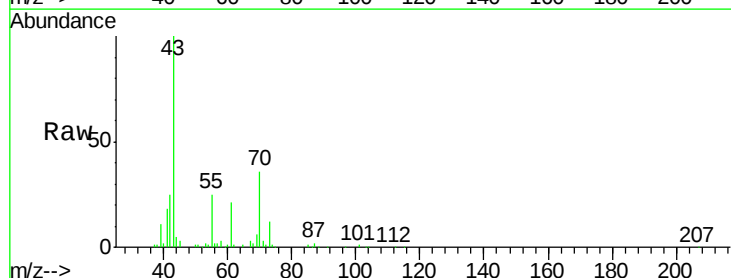
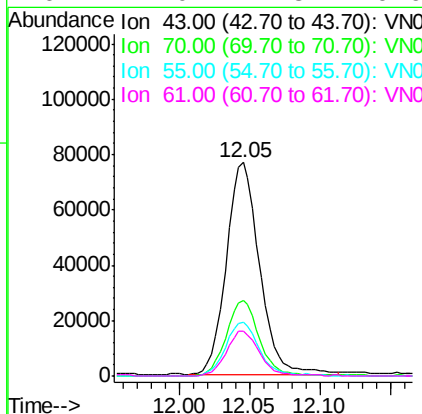
Manual Integrations
APPROVED

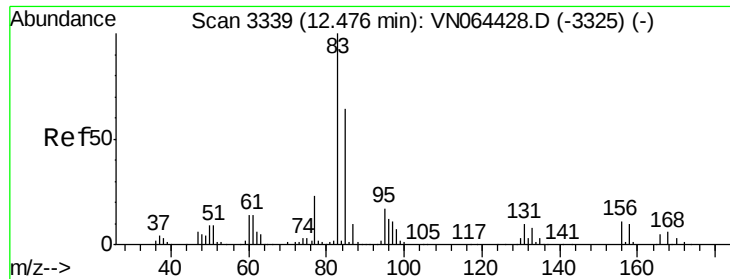
MMDadoda
11/17/2020 6:41:29 PM



#74
N-ethyl acetate
Concen: 16.471 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.5	29.6	44.4
55	25.9	18.4	27.6
61	21.0	17.8	26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.534 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

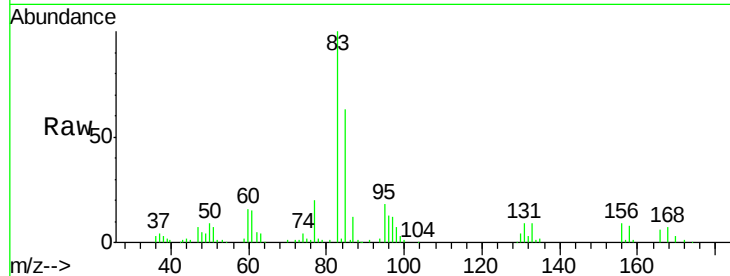
ClientSampleId :

VN1113WBSD01

Tot Ion:	83	Resp:	99624
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.9	14.7
85	64.2	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
11/17/2020 6:41:29 PM



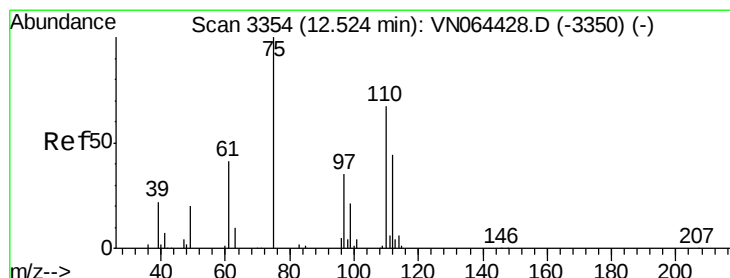
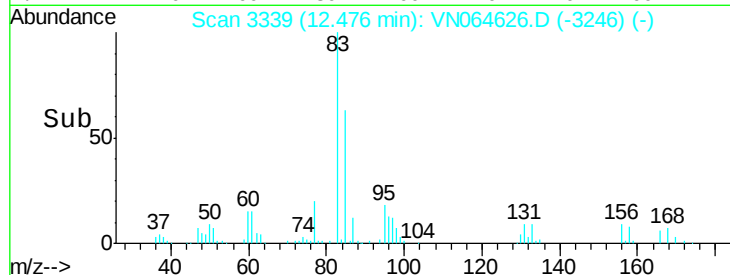
Abundance Ion 82.90 (82.60 to 83.60): VN064626.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN064626.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN064626.D (-3325) (-)

Time-->

12.48



#76

1,2,3-Trichloropropane

Concen: 18.793 ug/l m

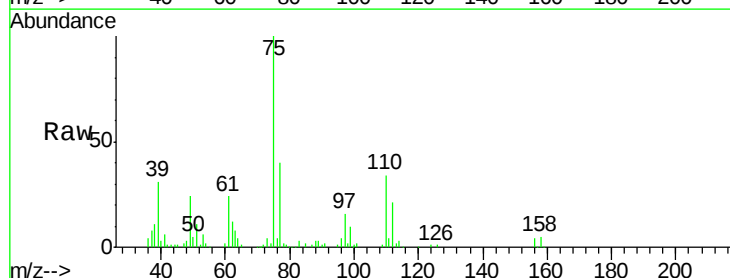
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Tgt Ion:	75	Resp:	95123
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

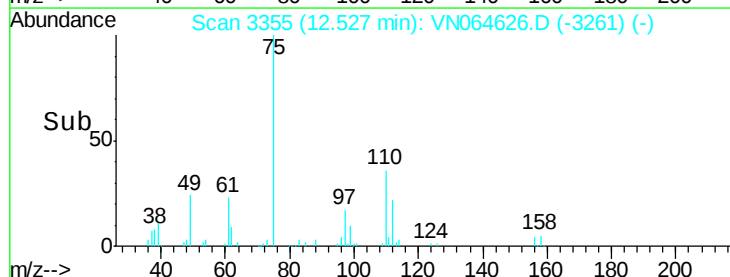


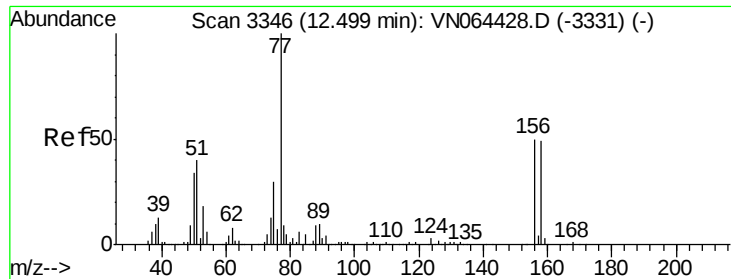
Abundance Ion 74.90 (74.60 to 75.60): VN064626.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN064626.D (-3350) (-)

Time-->

12.53





#77

Bromobenzene

Concen: 17.812 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion:156 Resp: 72208

Ion Ratio Lower Upper

156 100

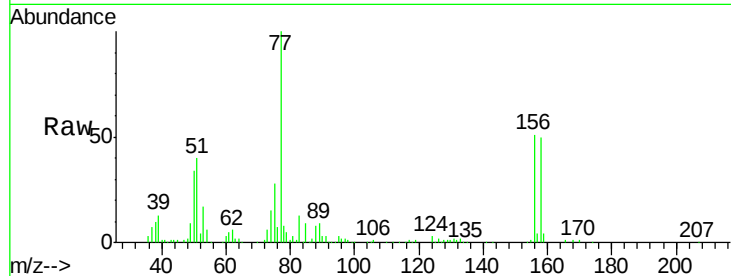
77 243.0 119.0 357.0

158 97.3 48.4 145.3

Manual Integrations
APPROVED

MMDadoda

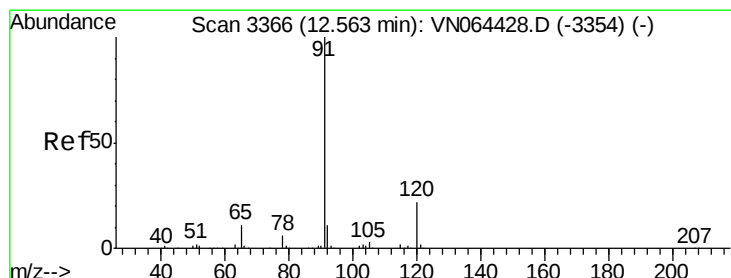
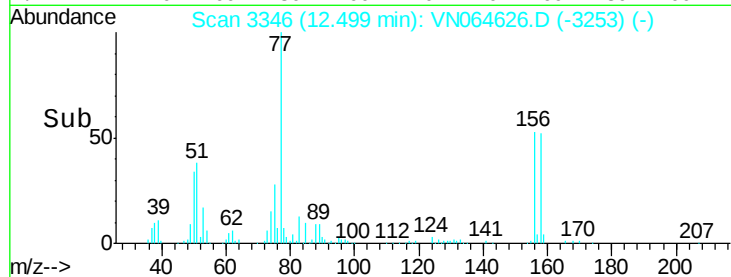
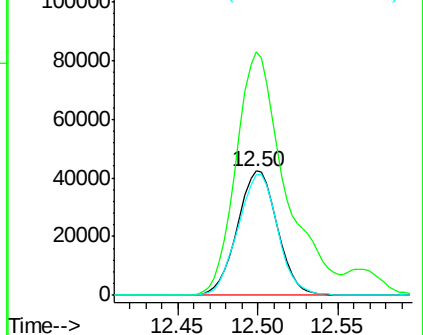
11/17/2020 6:41:29 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.050 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064626.D

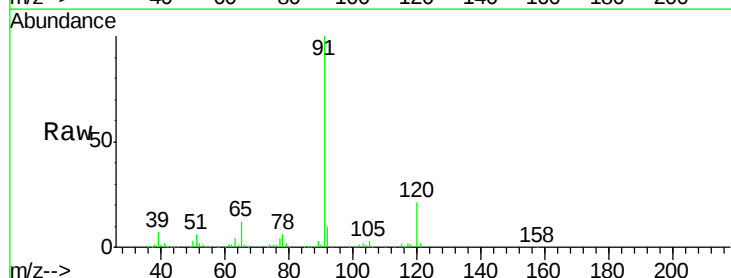
Acq: 13 Nov 2020 12:57

Tgt Ion: 91 Resp: 341687

Ion Ratio Lower Upper

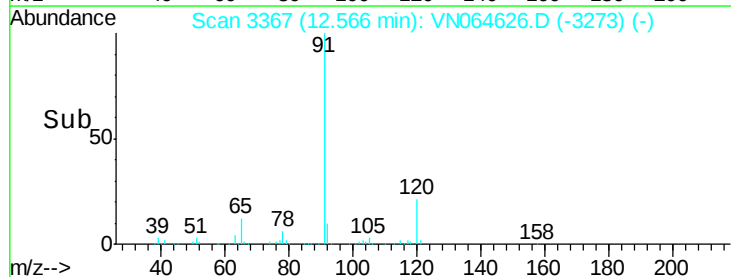
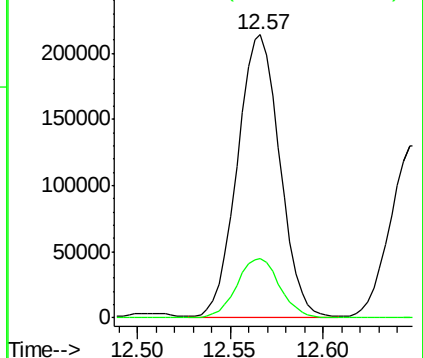
91 100

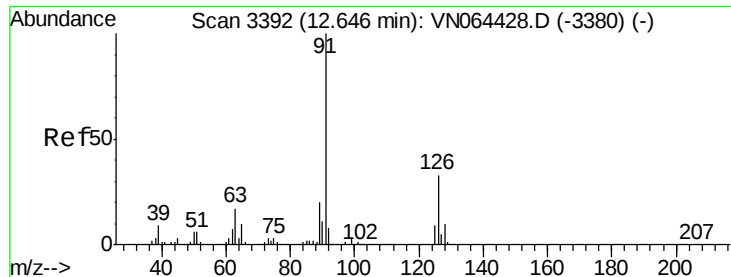
120 21.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.072 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 91 Resp: 216983

Ion Ratio Lower Upper

91 100

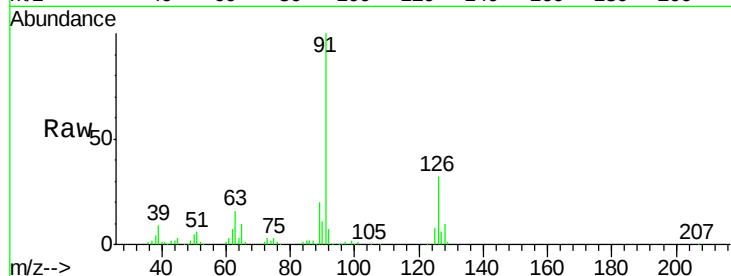
126 32.6 16.4 49.1

Manual Integrations

APPROVED

MMDadoda

11/17/2020 6:41:29 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064626.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN064626.D (-3393) (-)

200000

150000

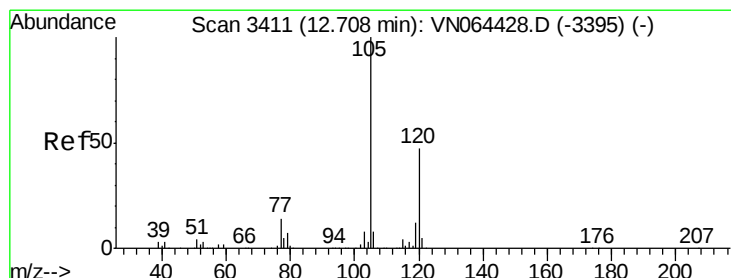
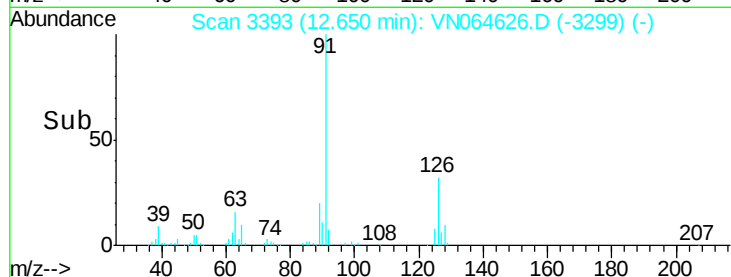
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.695 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064626.D

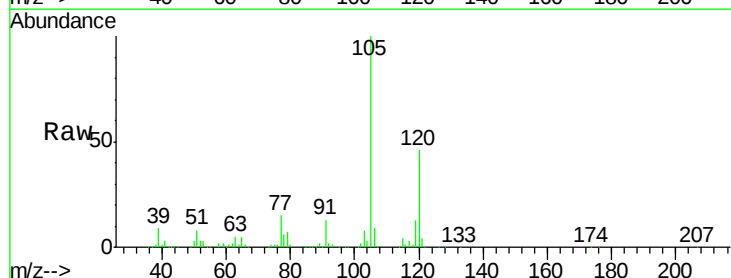
Acq: 13 Nov 2020 12:57

Tgt Ion: 105 Resp: 242390

Ion Ratio Lower Upper

105 100

120 46.9 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064626.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN064626.D (-3318) (-)

150000

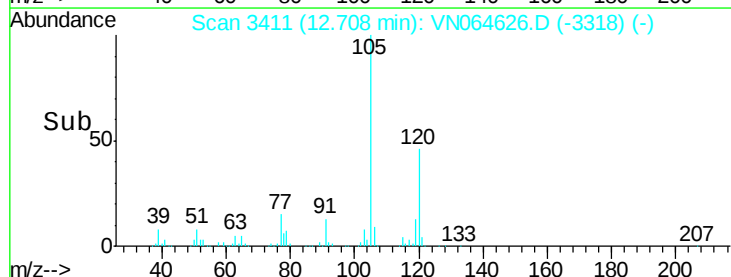
100000

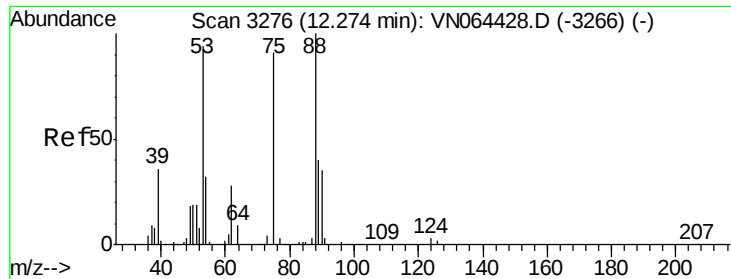
50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.148 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 75 Resp: 31086

Ion Ratio Lower Upper

75 100

53 115.7 84.0 126.0

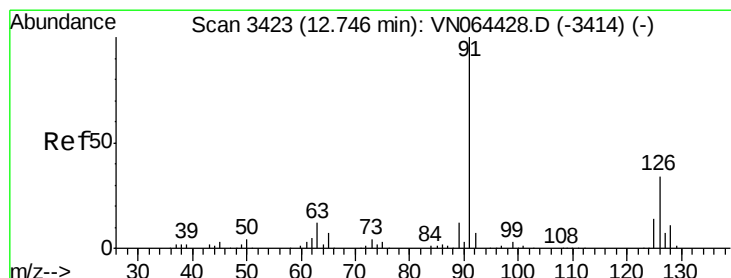
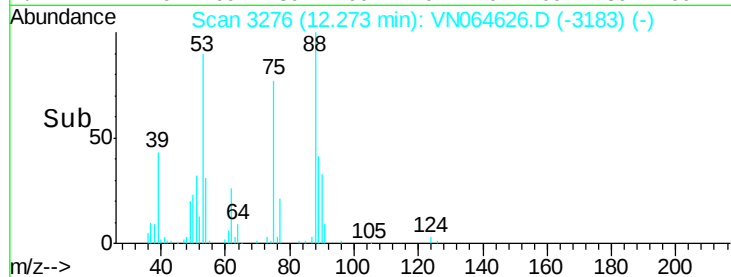
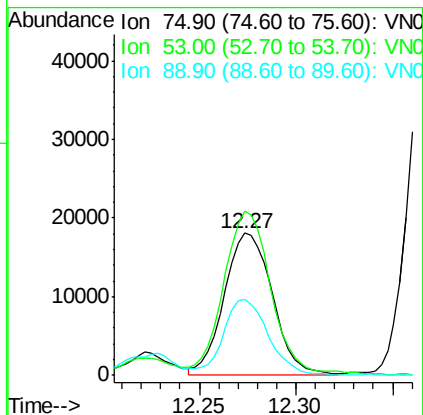
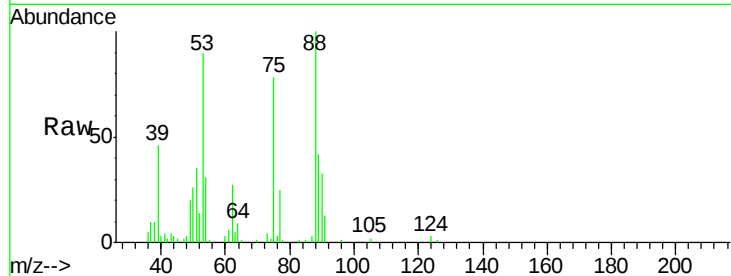
89 50.6 36.3 54.5

Manual Integrations

APPROVED

MMDadoda

11/17/2020 6:41:29 PM



#82

4-Chlorotoluene

Concen: 17.797 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064626.D

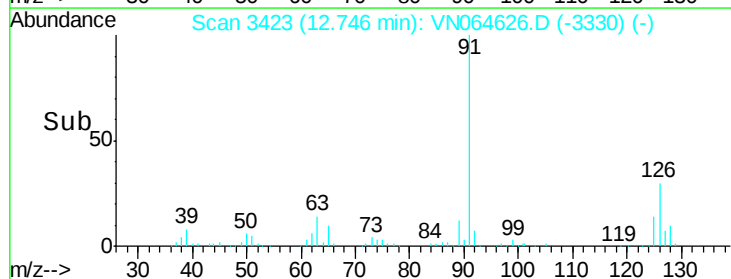
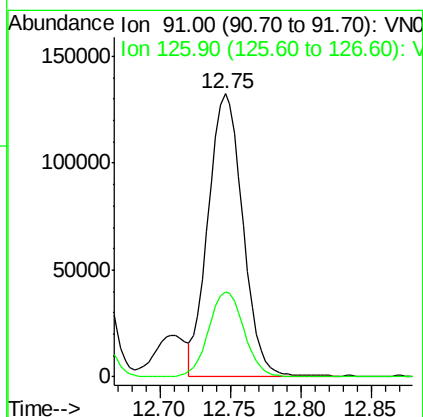
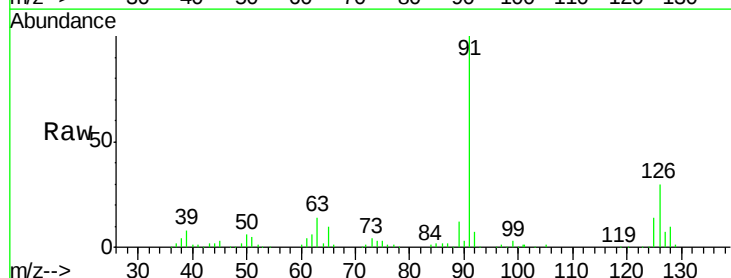
Acq: 13 Nov 2020 12:57

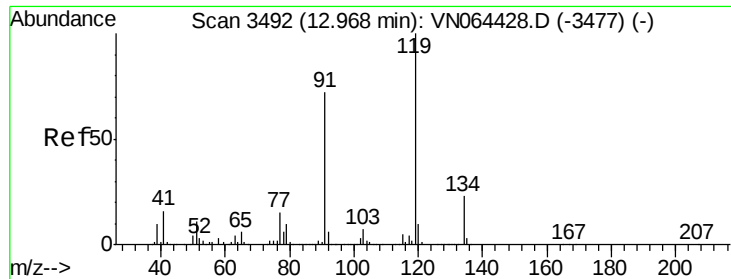
Tgt Ion: 91 Resp: 223781

Ion Ratio Lower Upper

91 100

126 31.0 15.4 46.2





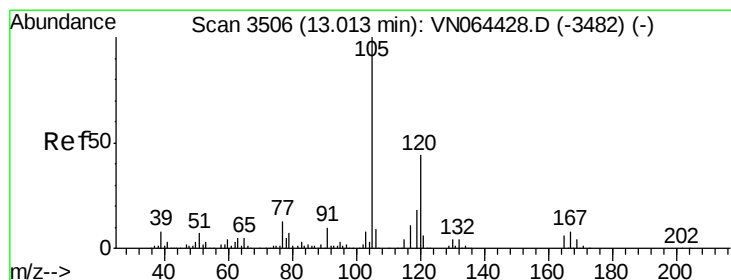
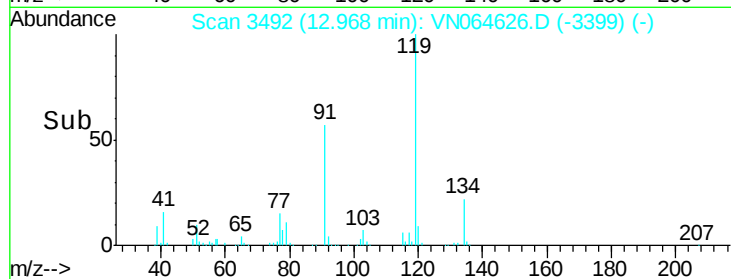
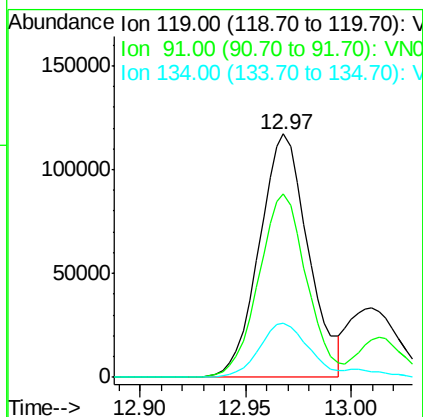
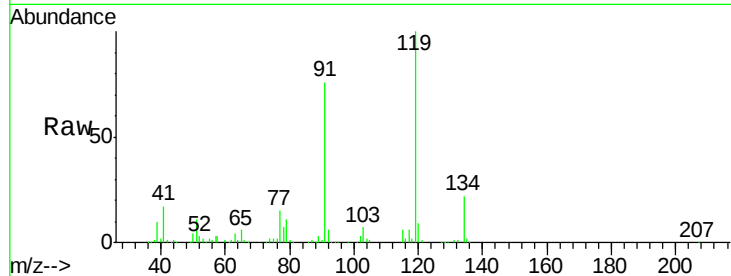
#83
tert-Butylbenzene
Concen: 17.662 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.2	36.1	108.3
134	22.3	11.7	35.1

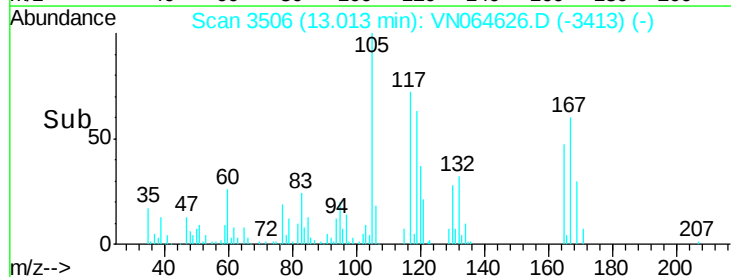
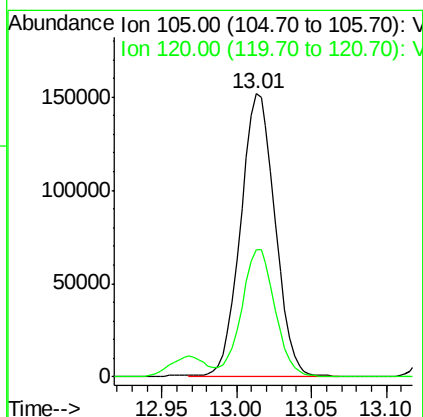
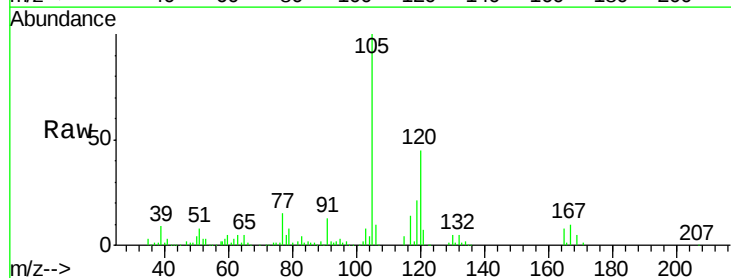
Manual Integrations
APPROVED

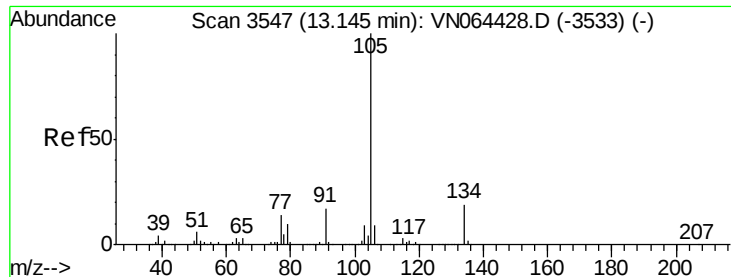
MMDadoda
11/17/2020 6:41:29 PM



#84
1,2,4-Trimethylbenzene
Concen: 17.552 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.9	65.7





#85

sec-Butylbenzene

Concen: 18.646 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion:105 Resp: 252636

Ion Ratio Lower Upper

105 100

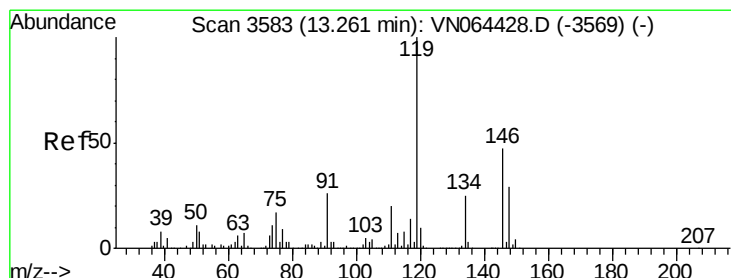
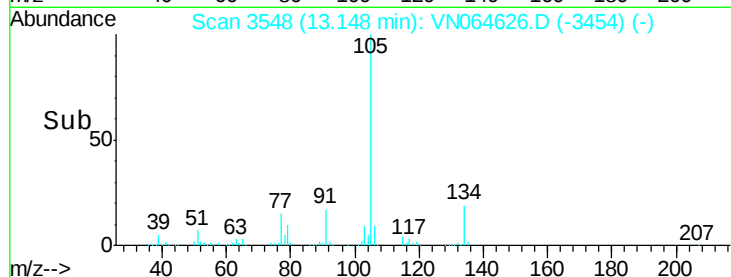
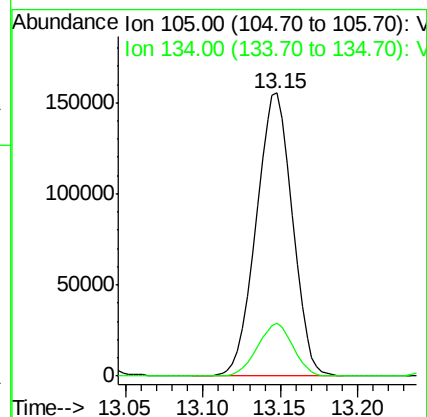
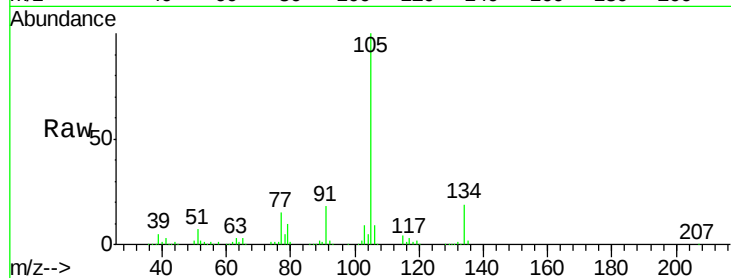
134 18.4 9.4 28.2

Manual Integrations

APPROVED

MMDadoda

11/17/2020 6:41:29 PM



#86

p-Isopropyltoluene

Concen: 18.232 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

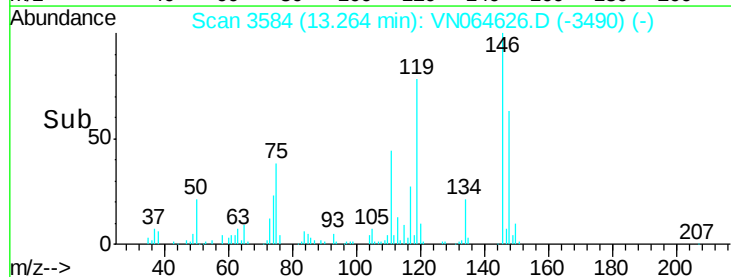
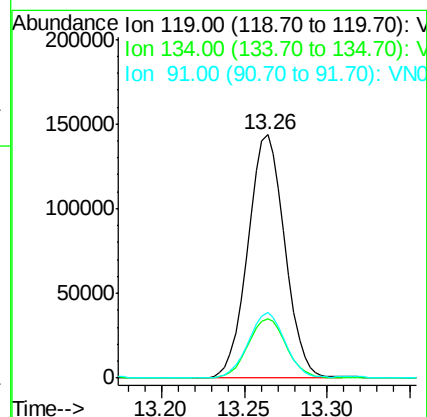
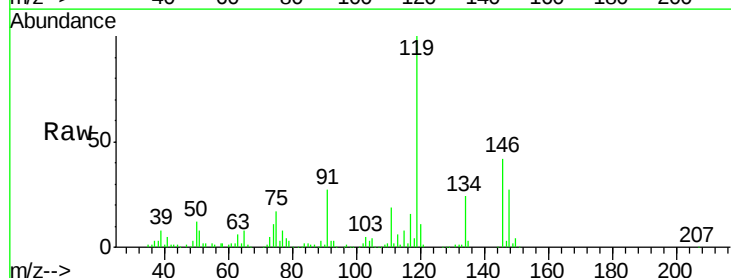
Tgt Ion:119 Resp: 222204

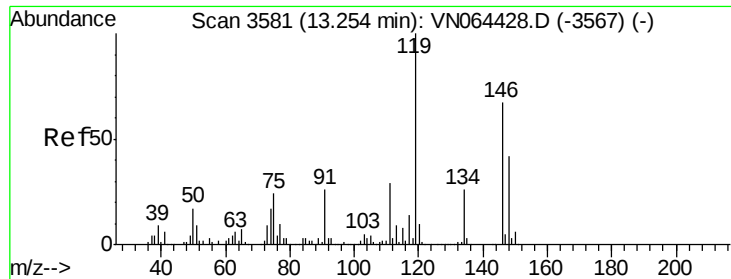
Ion Ratio Lower Upper

119 100

134 25.3 12.6 37.6

91 26.8 12.8 38.3





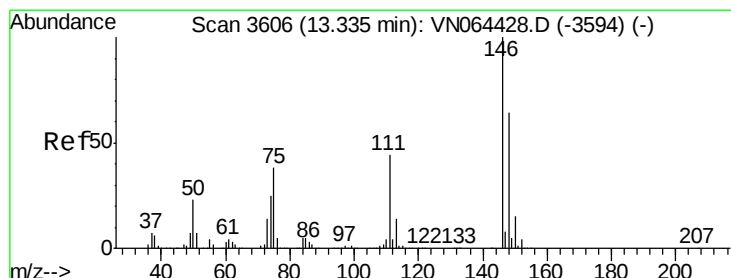
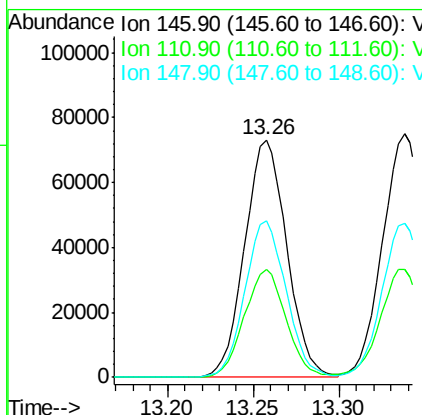
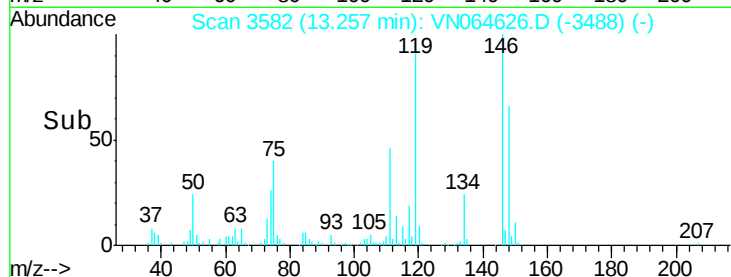
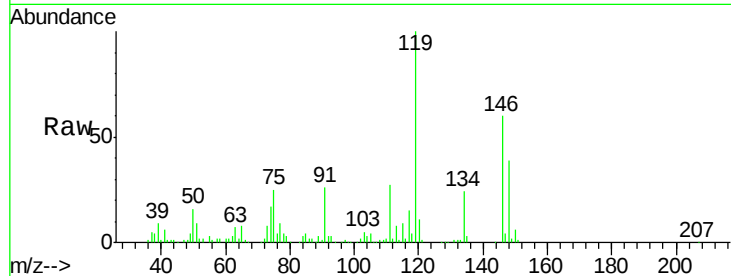
#87
 1,3-Dichlorobenzene
 Concen: 17.791 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	124674		
111	44.9	22.1	66.1	
148	64.4	31.7	95.1	

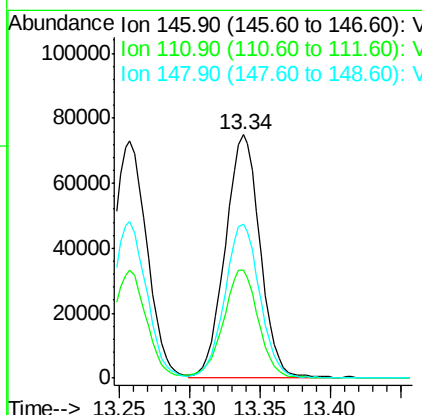
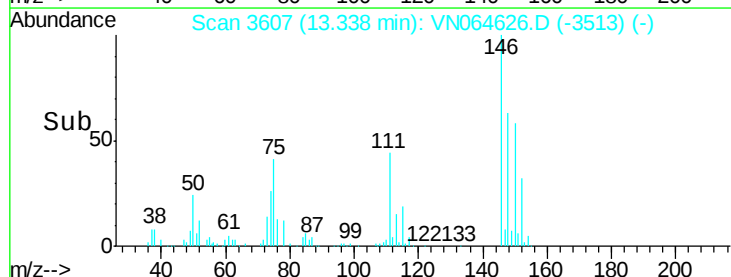
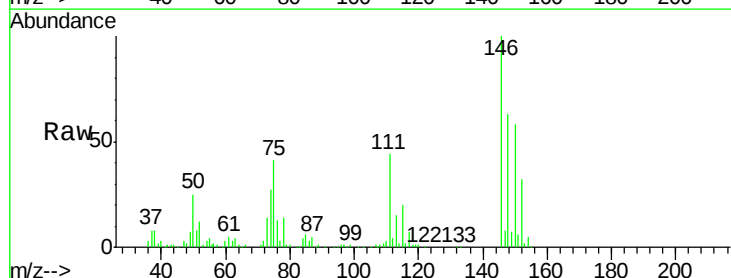
Manual Integrations
 APPROVED

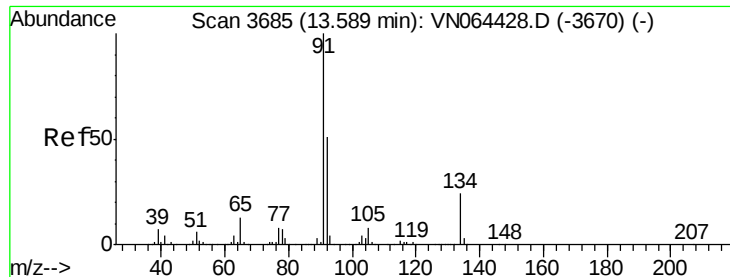
MMDadoda
 11/17/2020 6:41:29 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.721 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	128332		
111	44.9	21.8	65.3	
148	63.5	32.4	97.2	





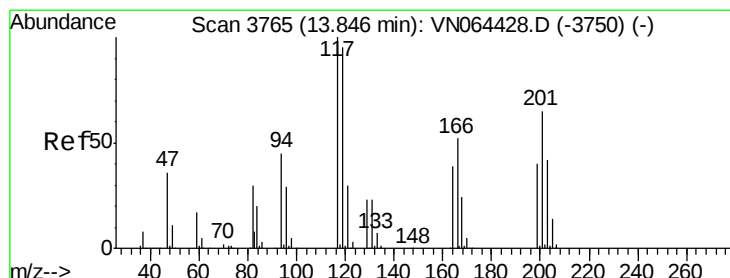
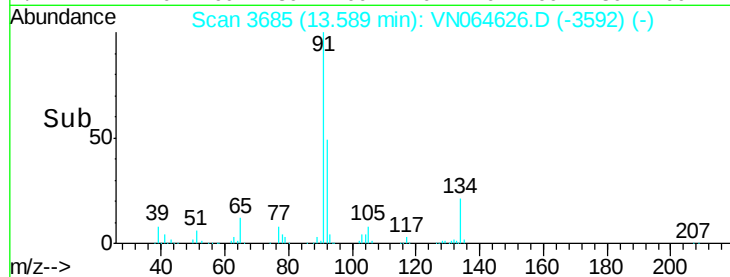
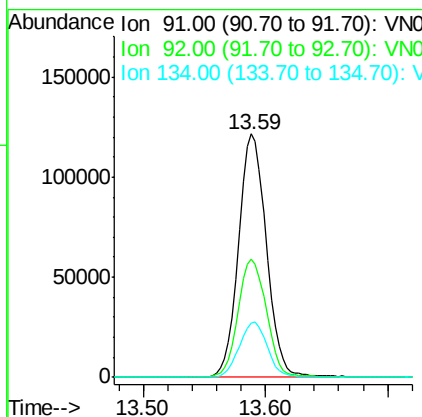
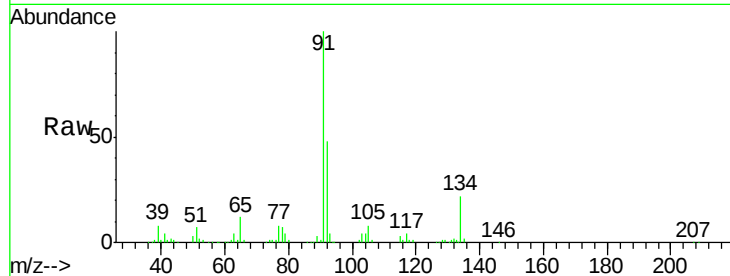
#89
n-Butylbenzene
Concen: 18.348 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.6	25.3	75.9
134	22.7	11.8	35.4

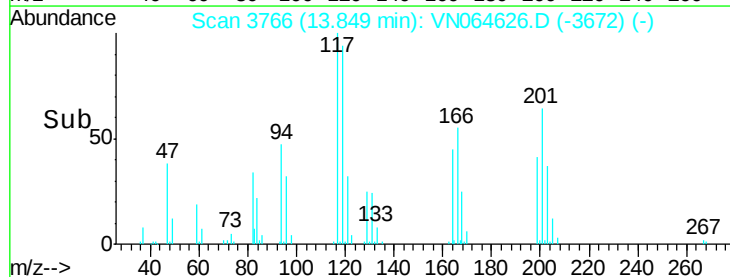
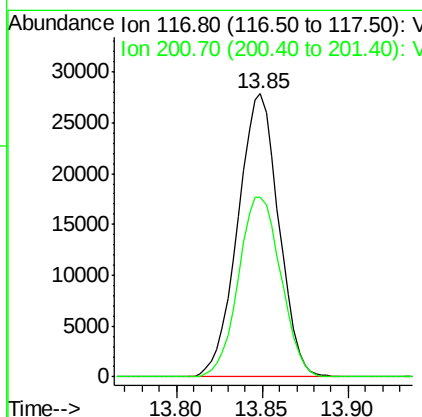
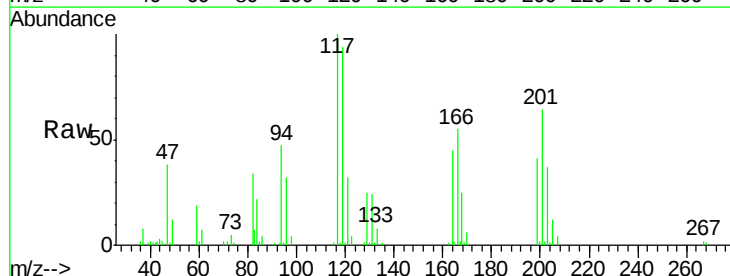
Manual Integrations
APPROVED

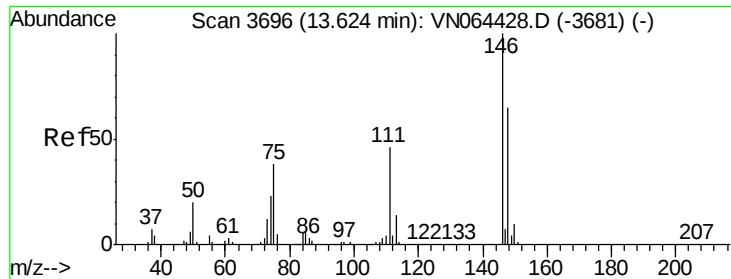
MMDadoda
11/17/2020 6:41:29 PM



#90
Hexachloroethane
Concen: 19.593 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064626.D
Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.8	32.5	97.5





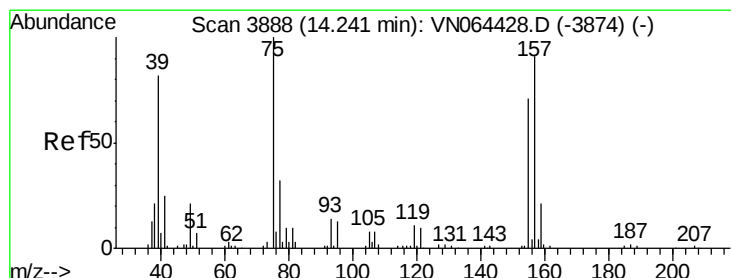
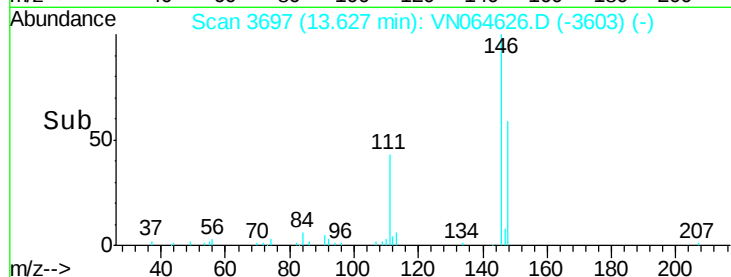
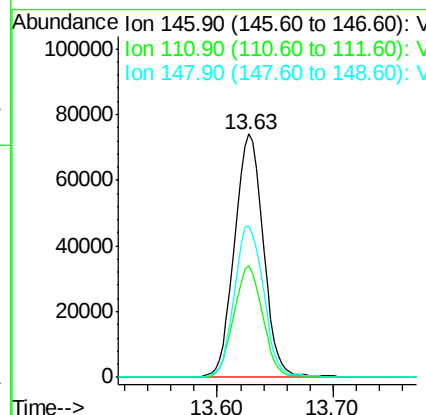
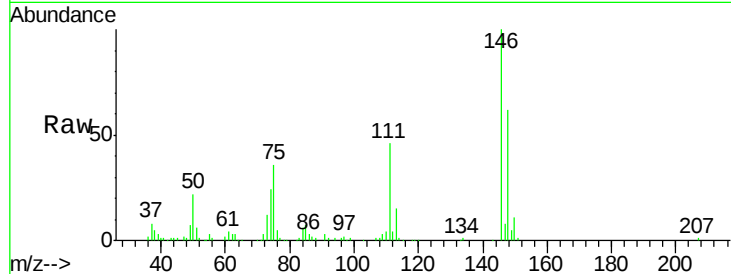
#91
 1,2-Dichlorobenzene
 Concen: 18.890 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.9	68.7
148	63.3	32.0	96.2

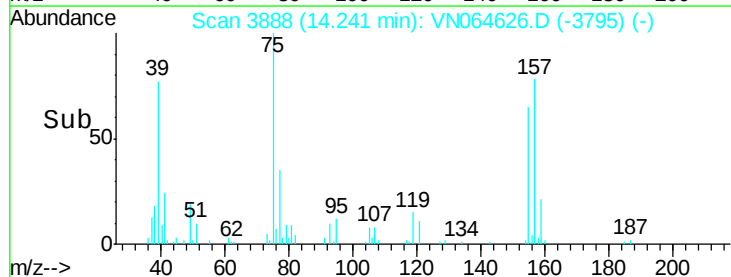
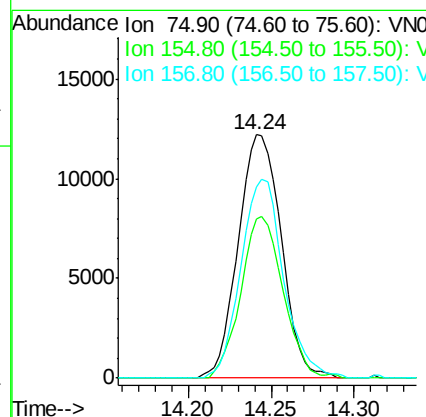
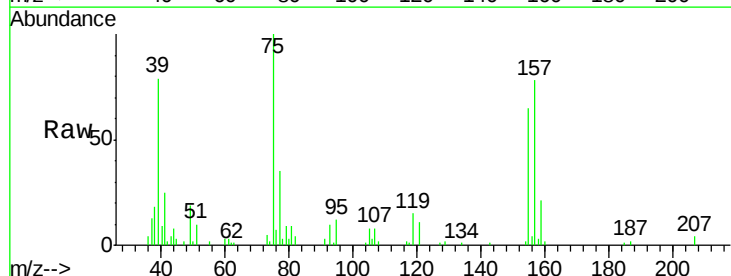
Manual Integrations
 APPROVED

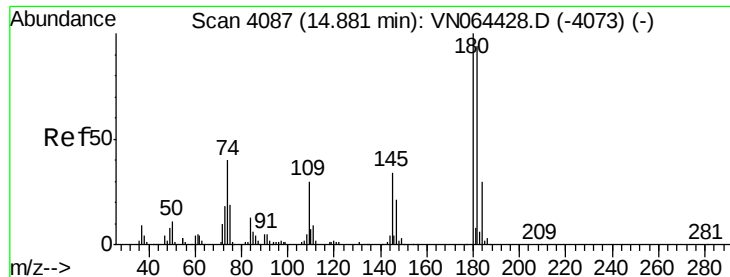
MMDadoda
 11/17/2020 6:41:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.734 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.0	34.6	103.9
157	81.1	43.0	128.8





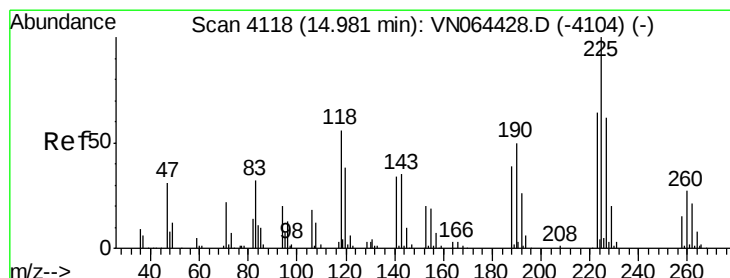
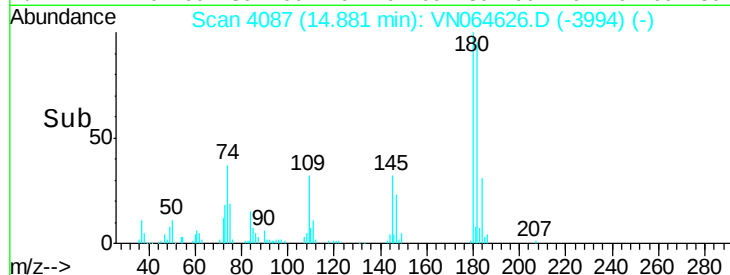
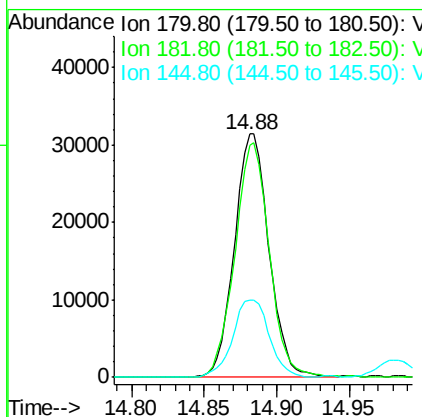
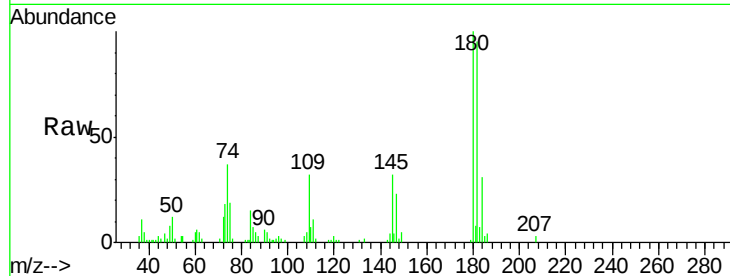
#93
 1,2,4-Trichlorobenzene
 Concen: 17.402 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	142.0
145	33.5	16.7	50.1

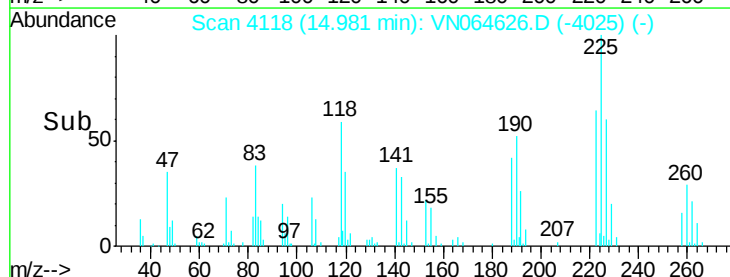
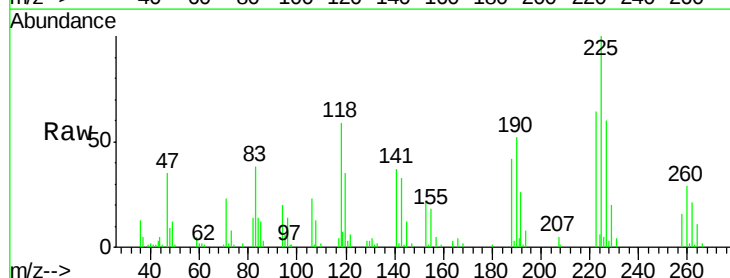
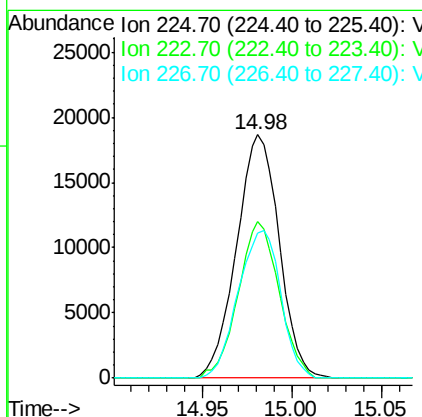
Manual Integrations
 APPROVED

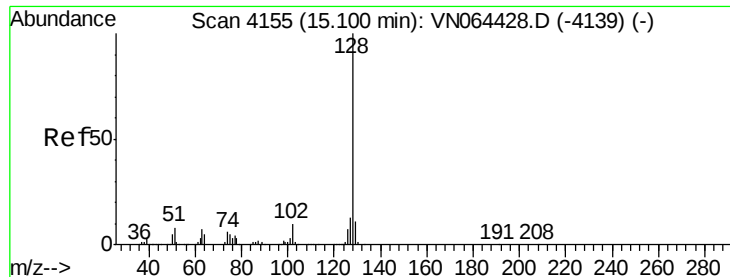
MMDadoda
 11/17/2020 6:41:29 PM



#94
 Hexachlorobutadiene
 Concen: 22.626 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064626.D
 Acq: 13 Nov 2020 12:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.8	95.4
227	60.6	31.8	95.4





#95

Naphthalene

Concen: 16.323 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Instrument :

MSVOA_N

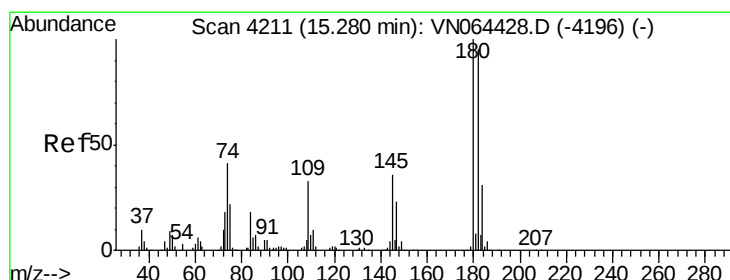
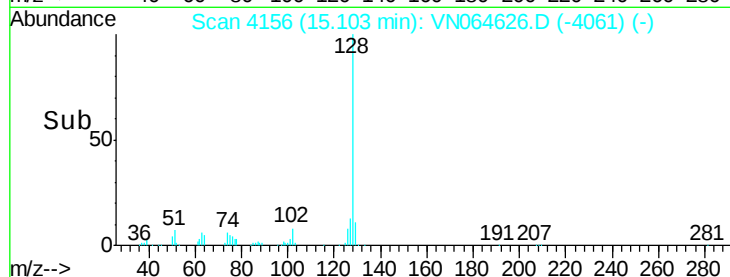
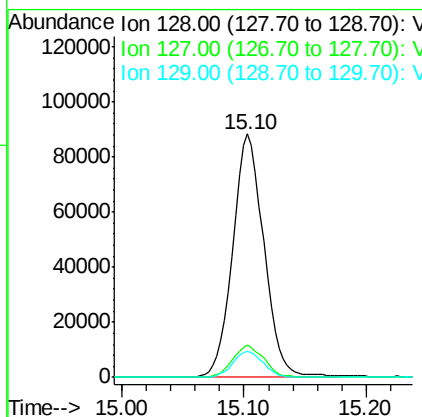
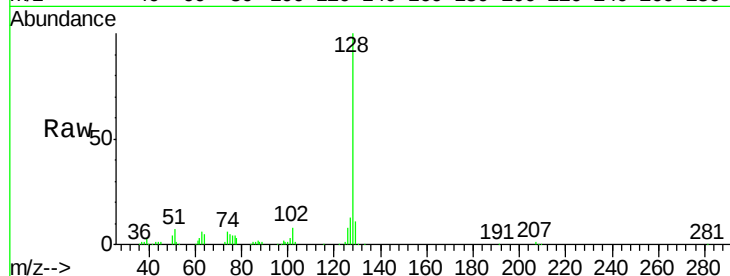
ClientSampleId :

VN1113WBSD01

Tot Ion:	128	Resp:	156885
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/17/2020 6:41:29 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.404 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064626.D

Acq: 13 Nov 2020 12:57

Tgt Ion:	180	Resp:	53665
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.7	143.1
145	36.1	18.3	54.8

