

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072820\
 Data File : VN062631.D
 Acq On : 28 Jul 2020 13:46
 Operator : JC/MD
 Sample : VN0728MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0728MBS01

Manual Integrations
 APPROVED

MMDadoda
 7/29/2020 7:06:22 PM

Quant Time: Jul 29 04:41:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	174713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	288000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	268208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	126582	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	133722	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.54%	
35) Dibromofluoromethane	7.55	113	90597	47.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.78%	
50) Toluene-d8	10.06	98	358039	47.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	12.38	95	131407	47.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	39551	18.978	ug/l	99
3) Chloromethane	2.03	50	48051	17.000	ug/l	94
4) Vinyl Chloride	2.16	62	42611	17.390	ug/l	98
5) Bromomethane	2.52	94	22190	20.446	ug/l	96
6) Chloroethane	2.66	64	20536	18.528	ug/l	96
7) Trichlorofluoromethane	2.98	101	58306	20.267	ug/l	100
8) Diethyl Ether	3.37	74	25885	19.240	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	35866	19.444	ug/l	99
10) Methyl Iodide	3.91	142	38131	16.170	ug/l	95
11) Tert butyl alcohol	4.73	59	41970	97.207	ug/l	98
12) 1,1-Dichloroethene	3.70	96	35409	18.928	ug/l	93
13) Acrolein	3.56	56	32567	78.323	ug/l	98
14) Allyl chloride	4.27	41	71648	17.706	ug/l	96
15) Acrylonitrile	4.93	53	111895	96.757	ug/l	99
16) Acetone	3.78	43	96680	94.661	ug/l	96
17) Carbon Disulfide	4.01	76	106645	17.350	ug/l	98
18) Methyl Acetate	4.28	43	55776	21.572	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	135358	19.659	ug/l	99
20) Methylene Chloride	4.50	84	43997	17.961	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	36616	17.635	ug/l	98
22) Diisopropyl ether	5.90	45	150378	18.696	ug/l	97
23) Vinyl Acetate	5.84	43	632248	95.930	ug/l	98
24) 1,1-Dichloroethane	5.79	63	82332	19.008	ug/l	98
25) 2-Butanone	6.79	43	151413	97.343	ug/l	99
26) 2,2-Dichloropropane	6.77	77	66640	18.742	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	44656	18.848	ug/l	99
28) Bromochloromethane	7.15	49	41811	19.615	ug/l	97
29) Tetrahydrofuran	7.17	42	103706	98.532	ug/l	99
30) Chloroform	7.33	83	80414	19.526	ug/l	96
31) Cyclohexane	7.61	56	71144	17.790	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	69076	20.090	ug/l	99
36) 1,1-Dichloropropene	7.75	75	57284	18.661	ug/l	99
37) Ethyl Acetate	6.88	43	66211	20.009	ug/l	99
38) Carbon Tetrachloride	7.73	117	60704	20.573	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072820\
 Data File : VN062631.D
 Acq On : 28 Jul 2020 13:46
 Operator : JC/MD
 Sample : VN0728MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0728MBS01

Manual Integrations
 APPROVED

MMDadoda
 7/29/2020 7:06:22 PM

Quant Time: Jul 29 04:41:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	61539	18.623	ug/l	99
40) Benzene	8.00	78	173339	18.651	ug/l	100
41) Methacrylonitrile	7.13	41	25471m	17.960	ug/l	
42) 1,2-Dichloroethane	8.09	62	68973	20.300	ug/l	98
43) Isopropyl Acetate	8.12	43	105987	19.868	ug/l	99
44) Trichloroethene	8.80	130	38597	18.416	ug/l	100
45) 1,2-Dichloropropane	9.09	63	48869	18.728	ug/l	99
46) Dibromomethane	9.18	93	29771	19.740	ug/l	97
47) Bromodichloromethane	9.37	83	65425	20.024	ug/l	97
48) Methyl methacrylate	9.17	41	49260	19.426	ug/l	99
49) 1,4-Dioxane	9.17	88	15426	396.076	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	319681	100.157	ug/l	100
52) Toluene	10.12	92	103307	19.143	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	70990	19.517	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	76190	19.521	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	41911	20.022	ug/l	99
56) Ethyl methacrylate	10.40	69	67822	19.175	ug/l	100
57) 1,3-Dichloropropane	10.68	76	75617	19.718	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	95634	95.478	ug/l	100
59) 2-Hexanone	10.72	43	229582	94.865	ug/l	99
60) Dibromochloromethane	10.87	129	46061	19.725	ug/l	97
61) 1,2-Dibromoethane	10.98	107	42270	19.393	ug/l	98
64) Tetrachloroethene	10.60	164	33419	19.177	ug/l	99
65) Chlorobenzene	11.41	112	108932	19.373	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	40908	19.339	ug/l	98
67) Ethyl Benzene	11.48	91	196027	19.014	ug/l	99
68) m/p-Xylenes	11.59	106	144084	38.884	ug/l	99
69) o-Xylene	11.92	106	69670	19.800	ug/l	98
70) Styrene	11.94	104	117011	19.685	ug/l	98
71) Bromoform	12.10	173	32100	20.211	ug/l #	99
73) Isopropylbenzene	12.22	105	189404	18.923	ug/l	99
74) N-amyl acetate	12.05	43	86864	19.433	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	64375	18.509	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	61873m	19.204	ug/l	
77) Bromobenzene	12.50	156	44642	18.560	ug/l	96
78) n-propylbenzene	12.57	91	221558	18.898	ug/l	98
79) 2-Chlorotoluene	12.65	91	133930	18.536	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	163469	19.689	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	21879	18.903	ug/l	96
82) 4-Chlorotoluene	12.75	91	139149	18.502	ug/l	99
83) tert-Butylbenzene	12.97	119	135309	19.627	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	159640	19.601	ug/l	97
85) sec-Butylbenzene	13.15	105	178879	19.381	ug/l	100
86) p-Isopropyltoluene	13.27	119	158364	19.950	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	78209	18.528	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	77381	18.623	ug/l	99
89) n-Butylbenzene	13.59	91	124421	18.241	ug/l	99
90) Hexachloroethane	13.85	117	31582	18.689	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	75556	18.720	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	12961	20.525	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072820\
Data File : VN062631.D
Acq On : 28 Jul 2020 13:46
Operator : JC/MD
Sample : VN0728MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0728MBS01

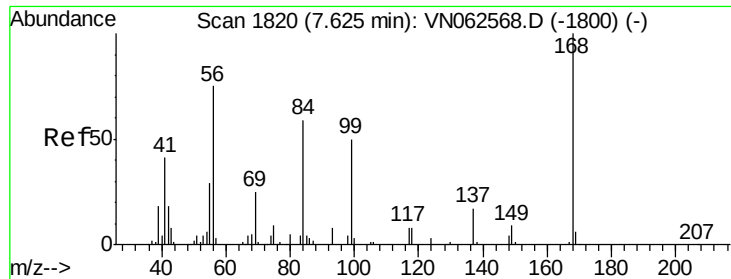
Manual Integrations
APPROVED

MMDadoda
7/29/2020 7:06:22 PM

Quant Time: Jul 29 04:41:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	30647	16.649	ug/l	98
94) Hexachlorobutadiene	14.98	225	22292	20.157	ug/l	99
95) Naphthalene	15.10	128	85179	17.755	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	31800	16.719	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

VN0728MBS01

Tgt Ion:168 Resp: 174713

Ion Ratio Lower Upper

168 100

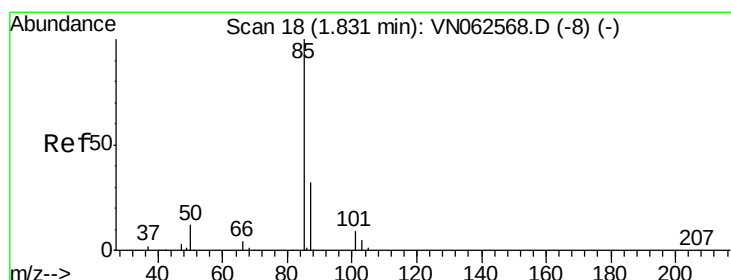
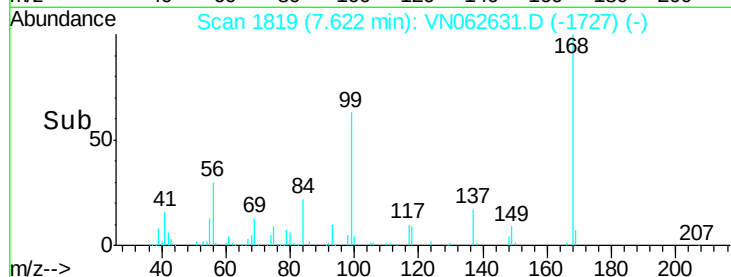
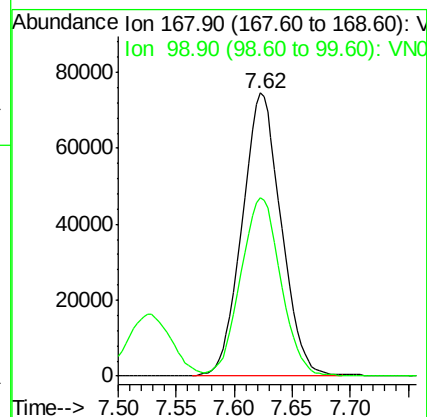
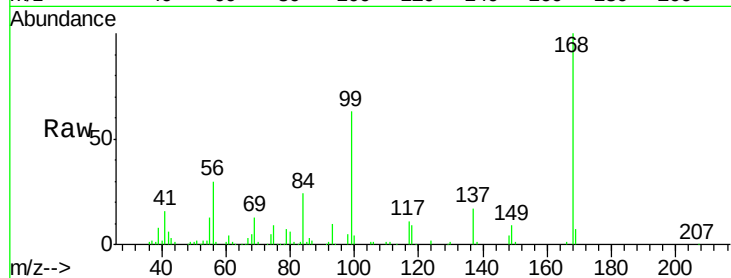
99 62.7 48.4 72.6

Manual Integrations

APPROVED

MMDadoda

7/29/2020 7:06:22 PM



#2

Dichlorodifluoromethane

Concen: 18.978 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062631.D

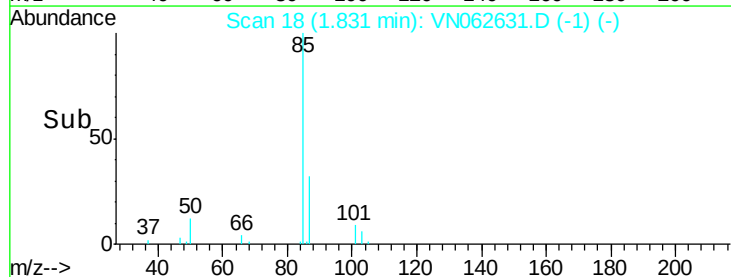
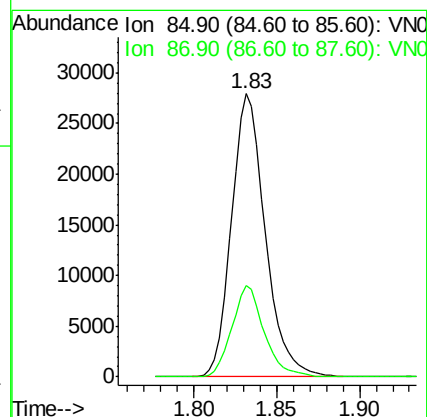
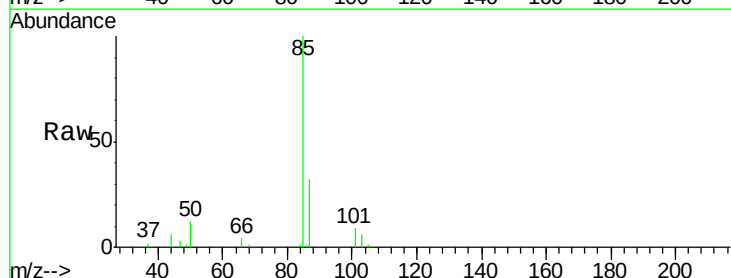
Acq: 28 Jul 2020 13:46

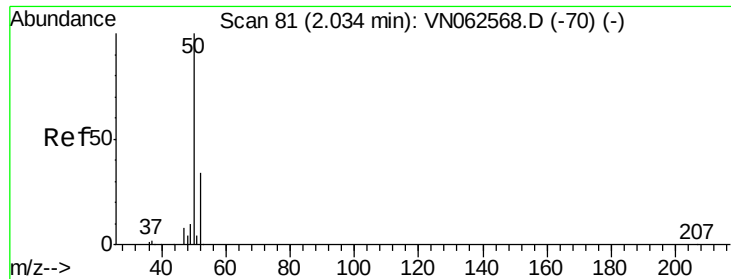
Tgt Ion: 85 Resp: 39551

Ion Ratio Lower Upper

85 100

87 32.3 16.0 48.0





#3

Chloromethane

Concen: 17.000 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

VN0728MBS01

Tgt Ion: 50 Resp: 48051

Ion Ratio Lower Upper

50 100

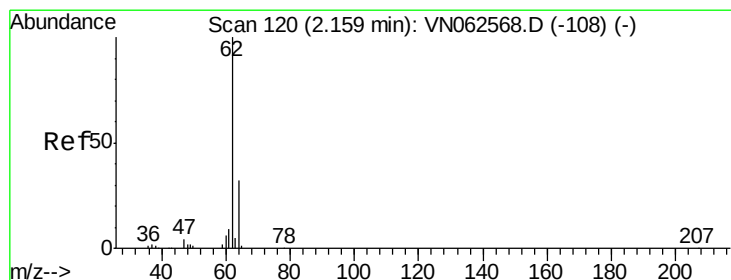
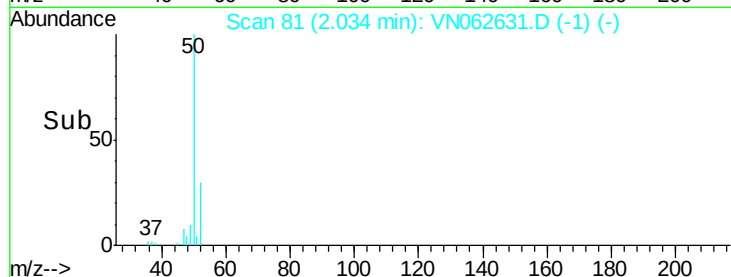
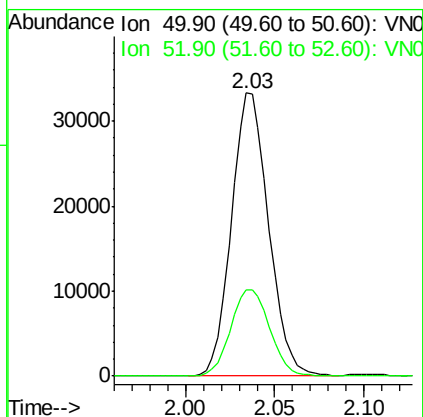
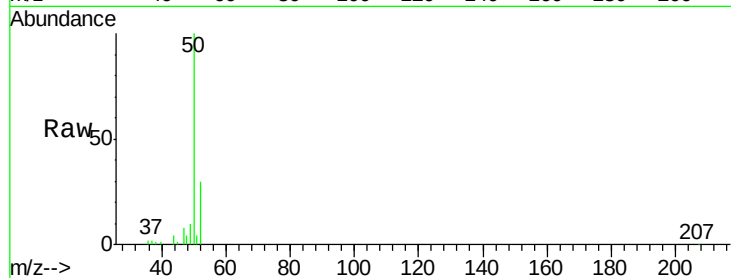
52 30.4 27.0 40.4

Manual Integrations

APPROVED

MMDadoda

7/29/2020 7:06:22 PM



#4

Vinyl Chloride

Concen: 17.390 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062631.D

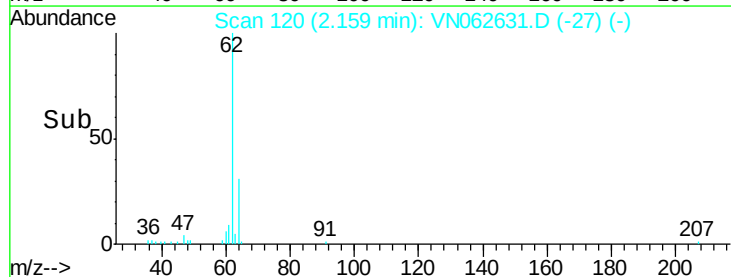
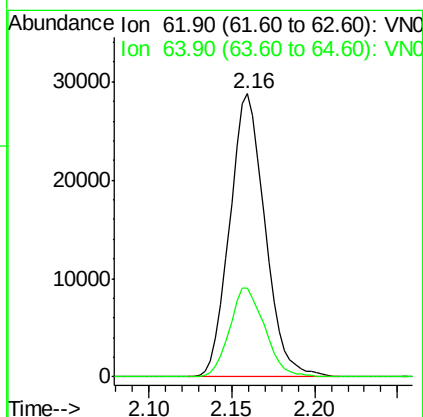
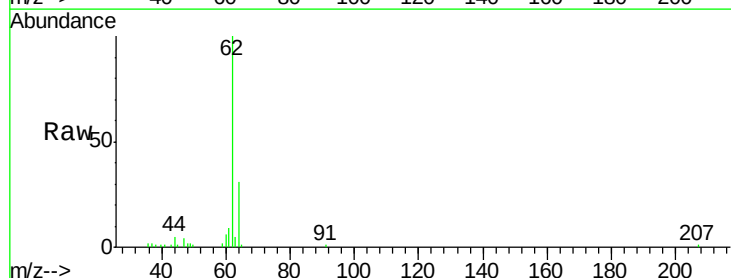
Acq: 28 Jul 2020 13:46

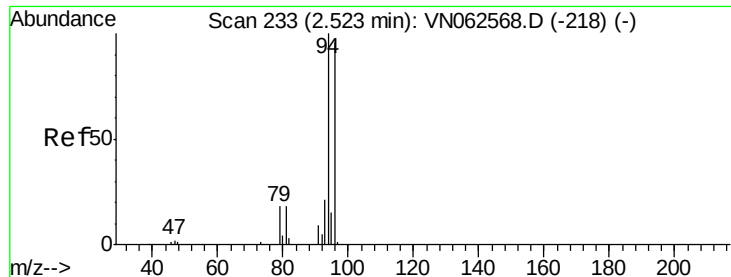
Tgt Ion: 62 Resp: 42611

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.8





#5

Bromomethane

Concen: 20.446 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

VN0728MBS01

Tgt Ion: 94 Resp: 22190

Ion Ratio Lower Upper

94 100

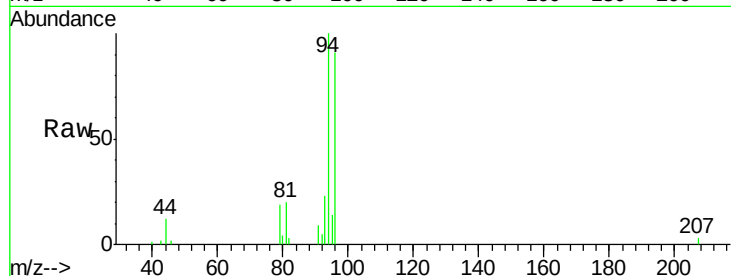
96 91.5 76.6 114.8

Manual Integrations

APPROVED

MMDadoda

7/29/2020 7:06:22 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

12000

10000

8000

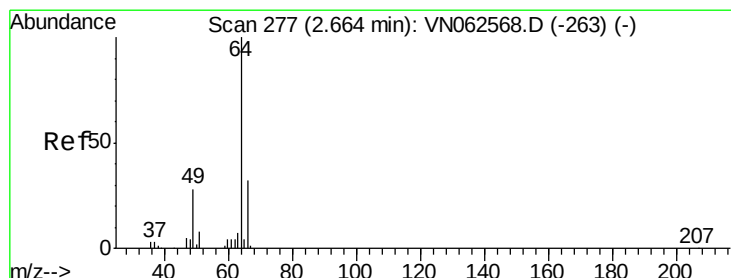
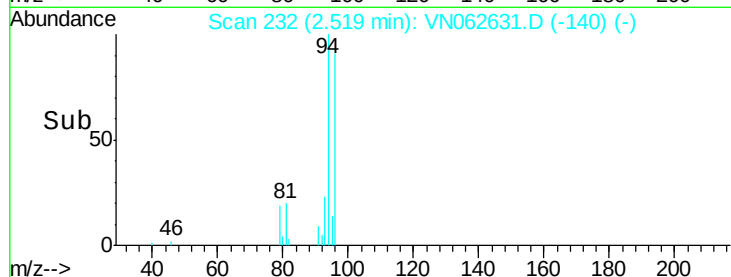
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 18.528 ug/l

RT: 2.66 min Scan# 277

Delta R.T. 0.00 min

Lab File: VN062631.D

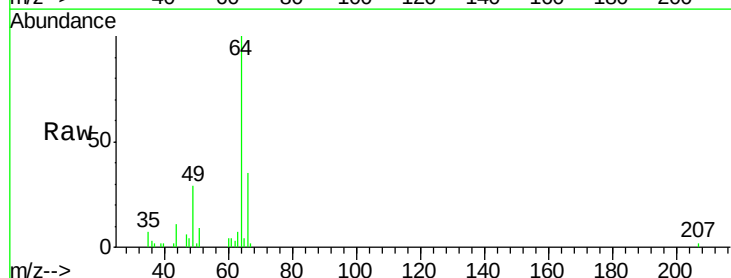
Acq: 28 Jul 2020 13:46

Tgt Ion: 64 Resp: 20536

Ion Ratio Lower Upper

64 100

66 34.7 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

12000

10000

8000

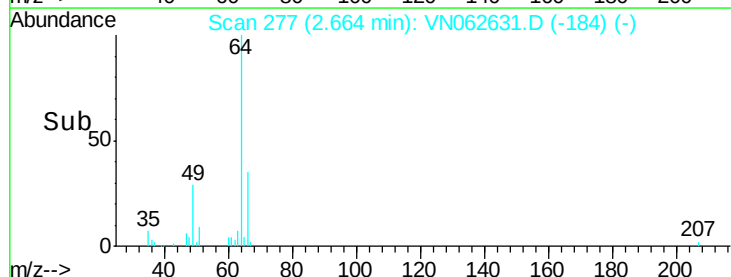
6000

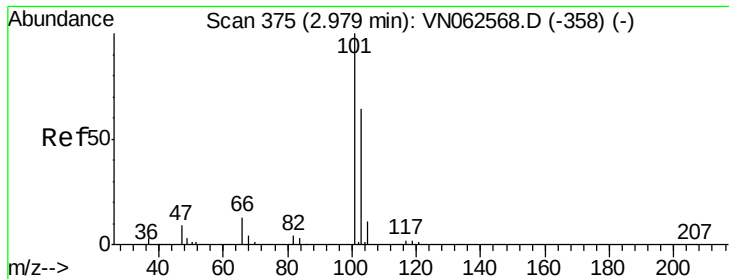
4000

2000

0

Time-->





#7

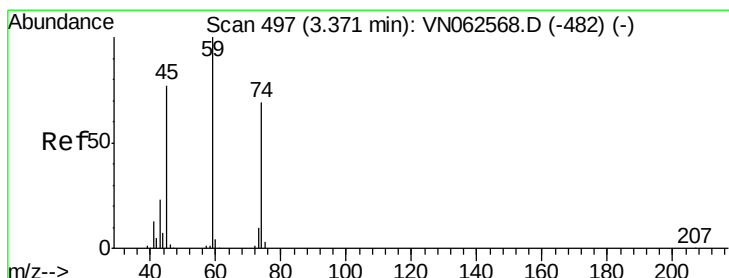
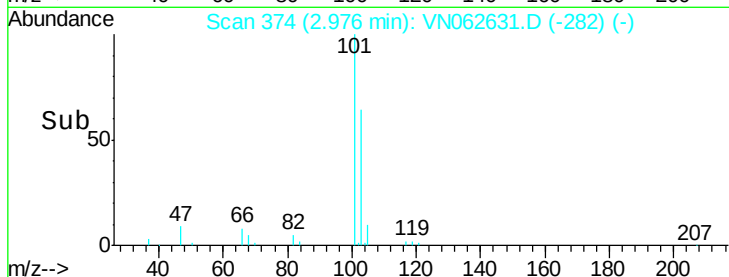
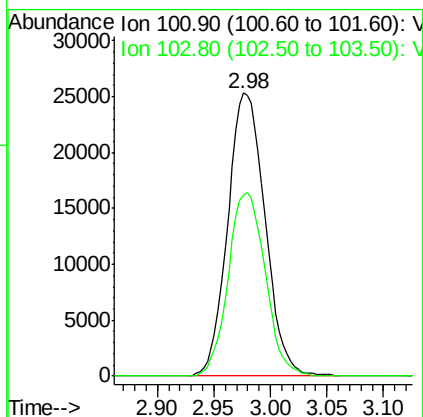
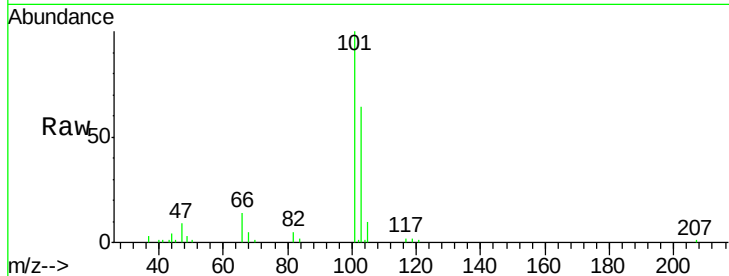
Trichlorofluoromethane
Concen: 20.267 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampleId :
VN0728MBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.5	77.3

Manual Integrations
APPROVED

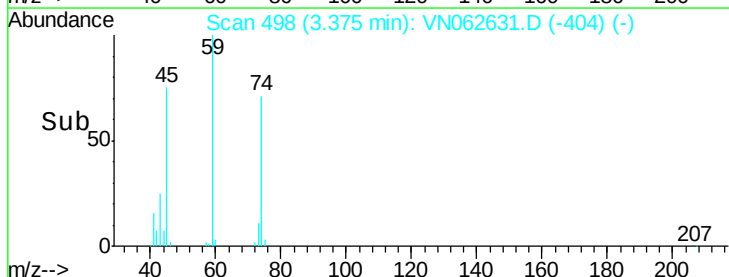
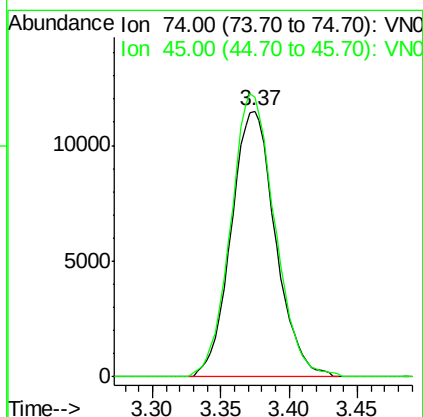
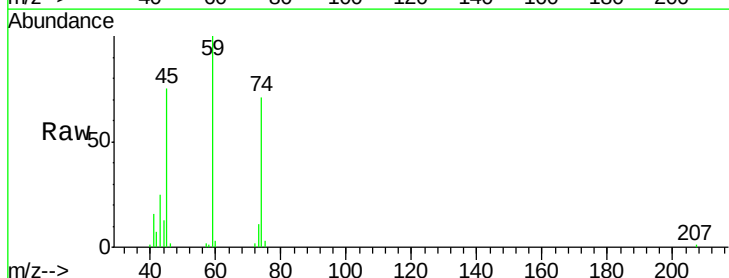
MMDadoda
7/29/2020 7:06:22 PM

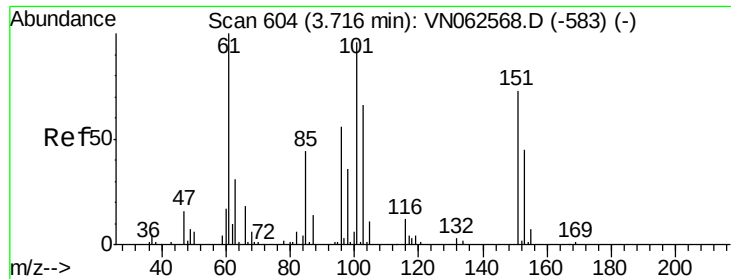


#8

Diethyl Ether
Concen: 19.240 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.6	55.3	165.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.444 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

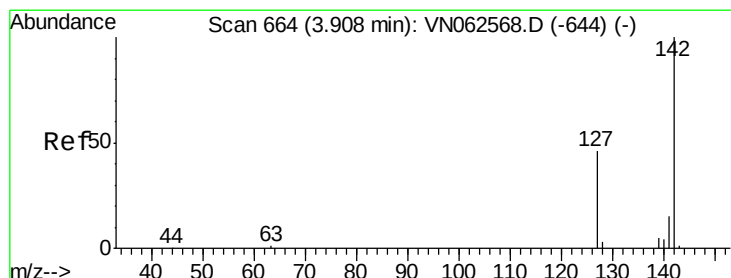
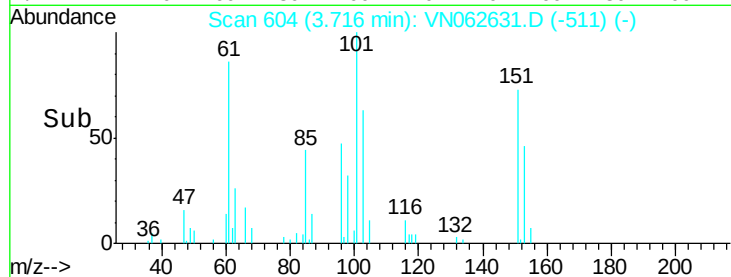
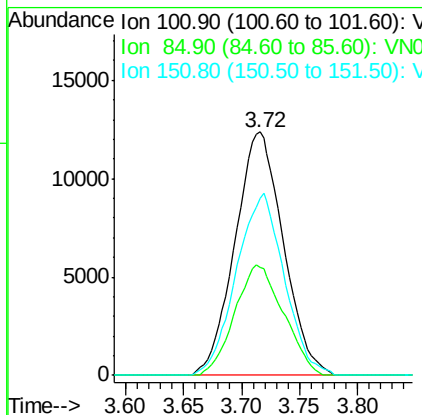
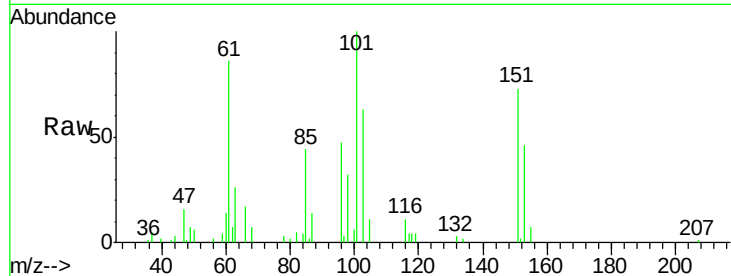
ClientSampleId :

VN0728MBS01

Tgt Ion:	101	Resp:	35866
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.0	54.0
151	74.2	60.0	90.0

Manual Integrations
APPROVED

MMDadoda
7/29/2020 7:06:22 PM



#10

Methyl Iodide

Concen: 16.170 ug/l

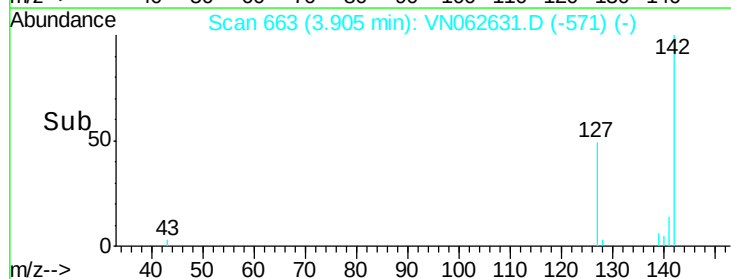
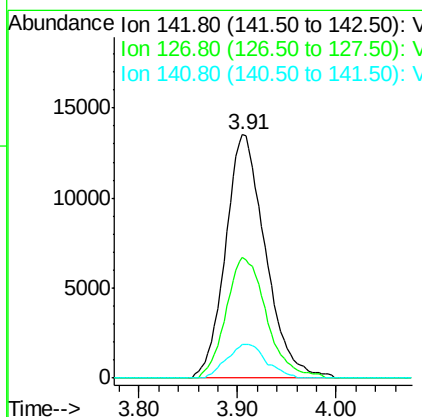
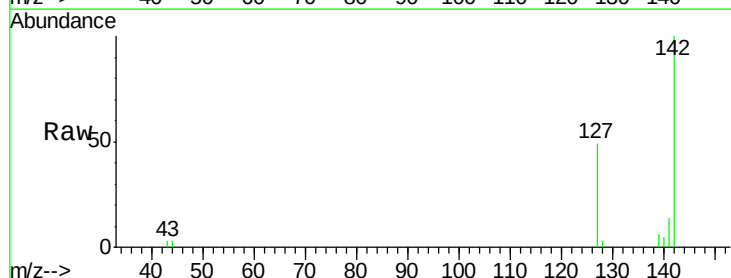
RT: 3.91 min Scan# 663

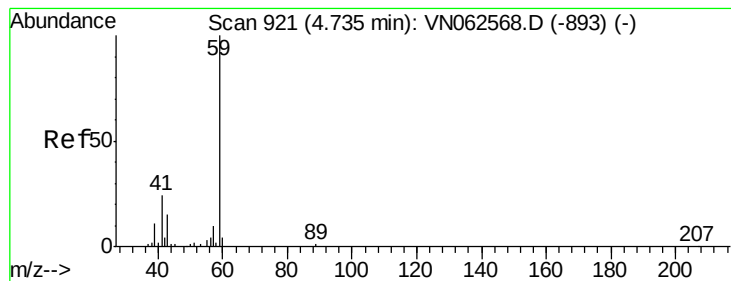
Delta R.T. -0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Tgt Ion:	142	Resp:	38131
Ion Ratio	Lower	Upper	
142	100		
127	50.2	37.4	56.0
141	13.7	11.9	17.9





#11

Tert butyl alcohol

Concen: 97.207 ug/l

RT: 4.73 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

VN0728MBS01

Tgt Ion: 59 Resp: 41970

Ion Ratio Lower Upper

59 100

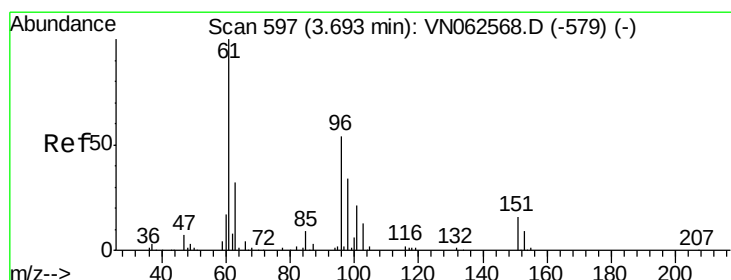
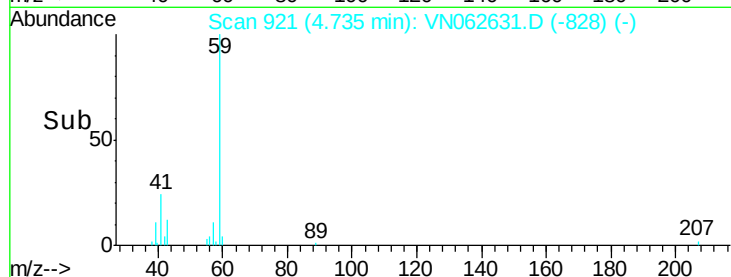
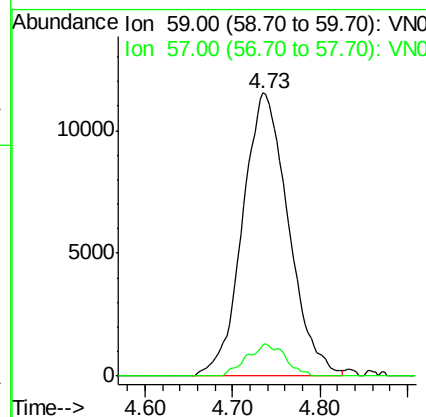
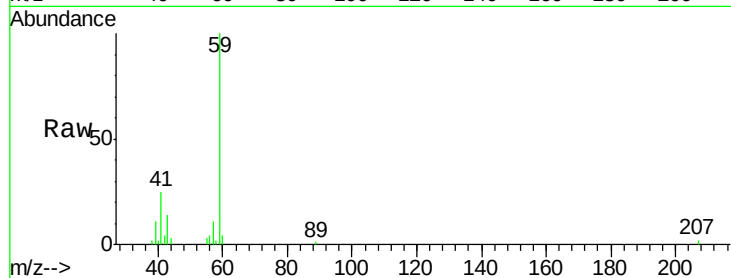
57 9.5 8.2 12.2

Manual Integrations

APPROVED

MMDadoda

7/29/2020 7:06:22 PM



#12

1,1-Dichloroethene

Concen: 18.928 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

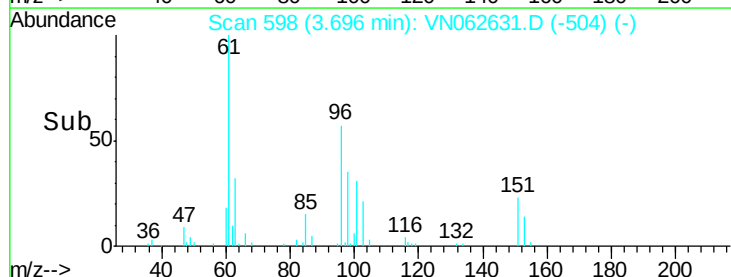
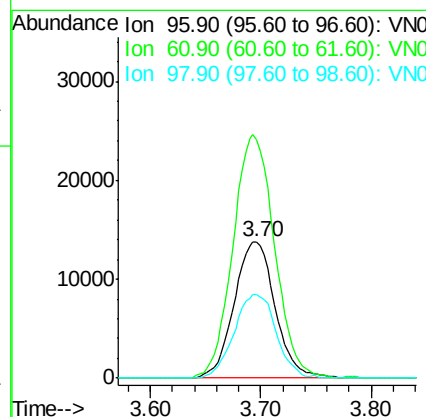
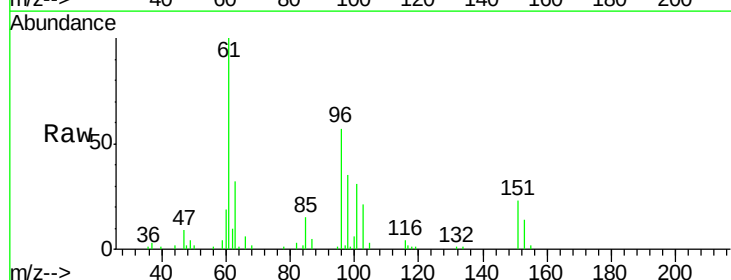
Tgt Ion: 96 Resp: 35409

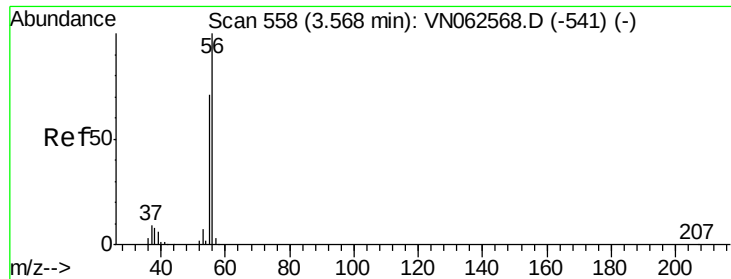
Ion Ratio Lower Upper

96 100

61 174.1 148.6 222.8

98 61.6 50.6 75.8





#13

Acrolein

Concen: 78.323 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

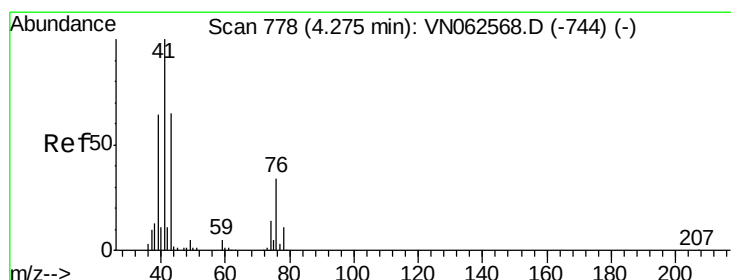
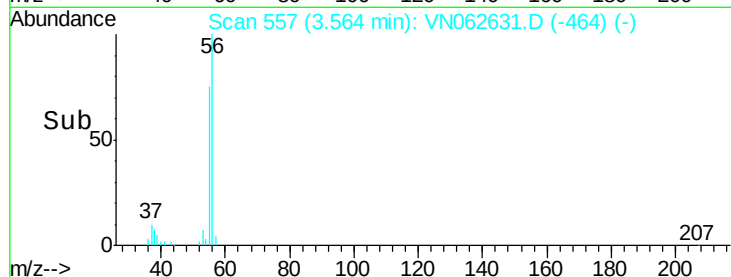
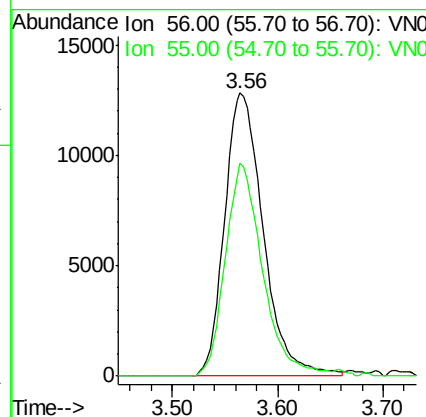
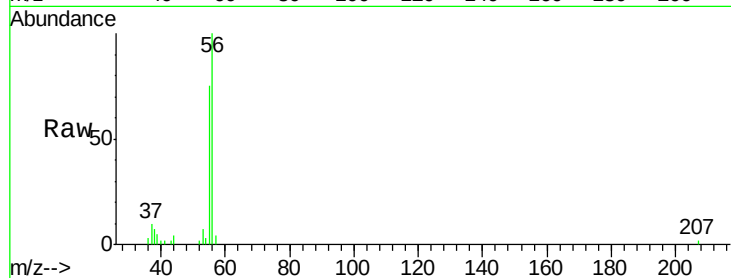
VN0728MBS01

Manual Integrations
APPROVED

MMDadoda

7/29/2020 7:06:22 PM

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.5	57.0	85.4



#14

Allyl chloride

Concen: 17.706 ug/l

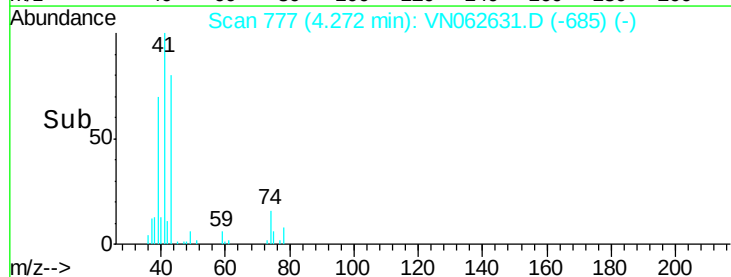
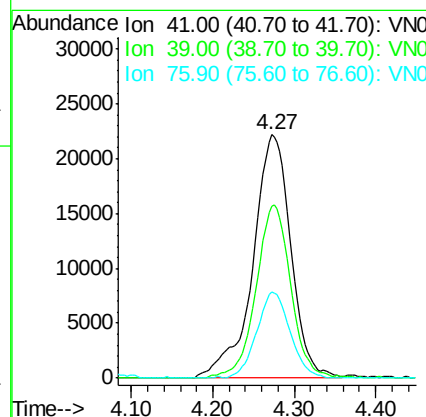
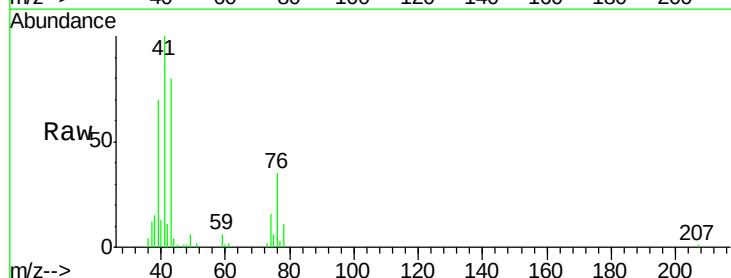
RT: 4.27 min Scan# 777

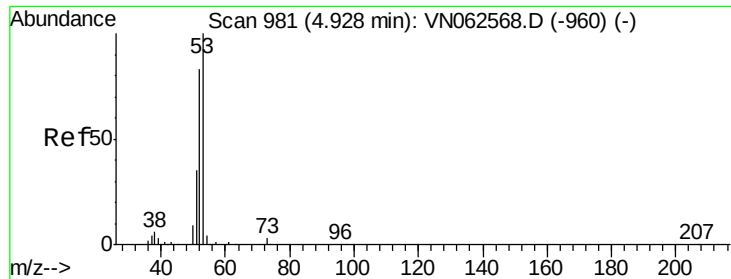
Delta R.T. -0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.9	49.0	73.4
76	30.9	24.0	36.0





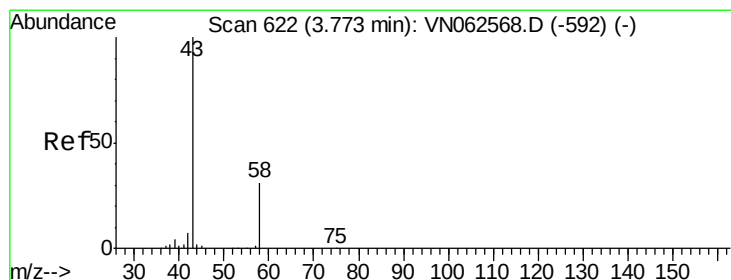
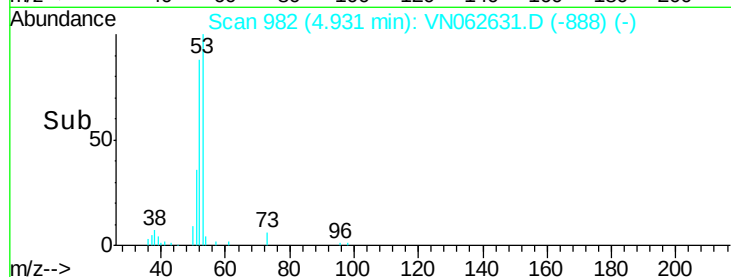
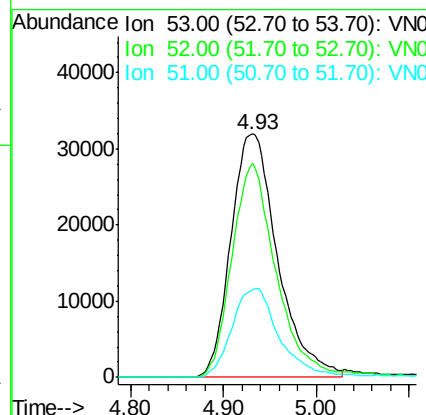
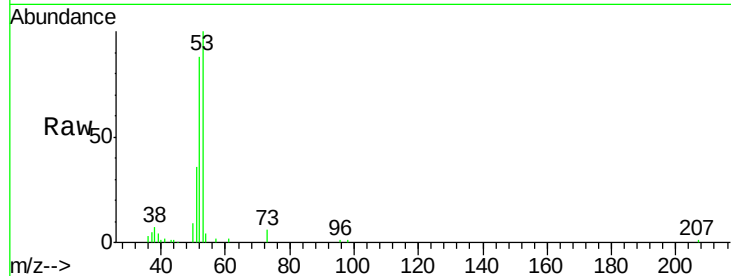
#15
 Acrylonitrile
 Concen: 96.757 ug/l
 RT: 4.93 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0728MBS01

Tgt Ion:	53	Resp:	111895
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.3	99.5
51	36.5	28.6	43.0

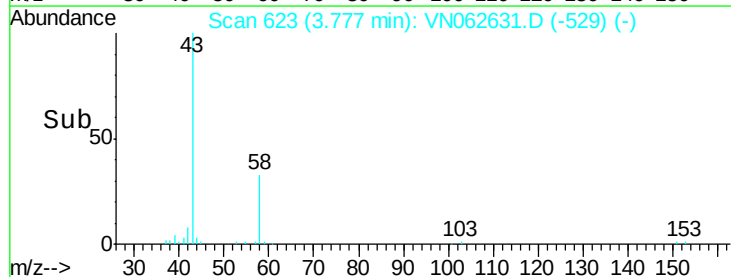
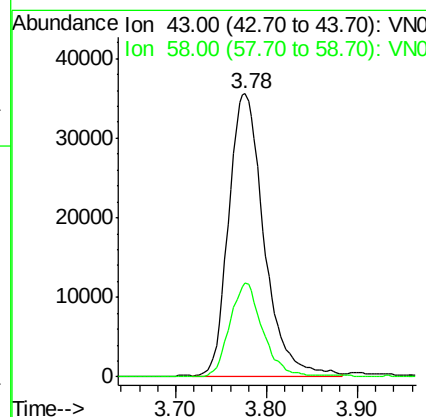
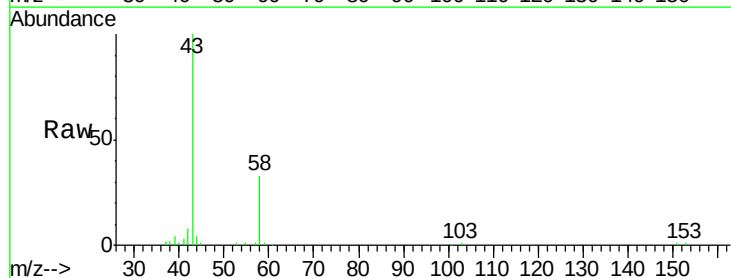
Manual Integrations
 APPROVED

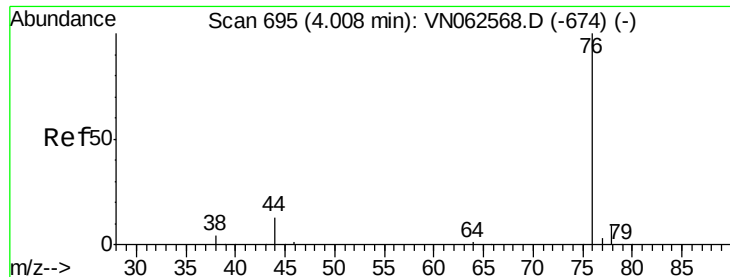
MMDadoda
 7/29/2020 7:06:22 PM



#16
 Acetone
 Concen: 94.661 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Tgt Ion:	43	Resp:	96680
Ion	Ratio	Lower	Upper
43	100		
58	33.2	24.6	37.0





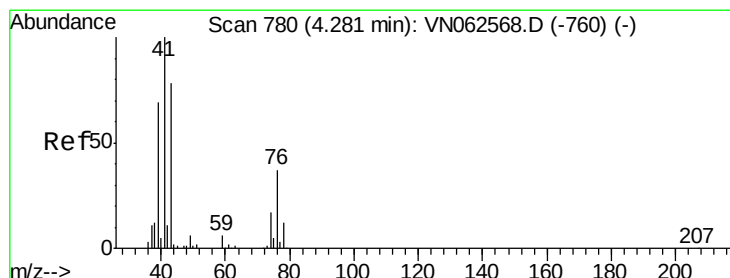
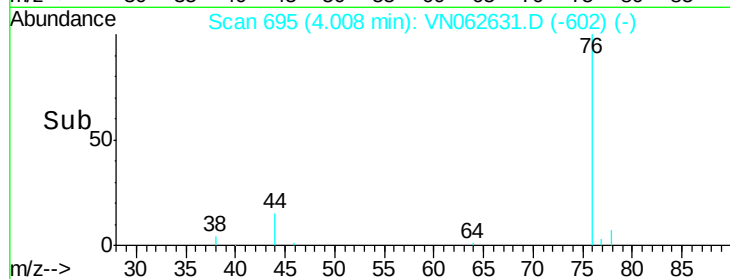
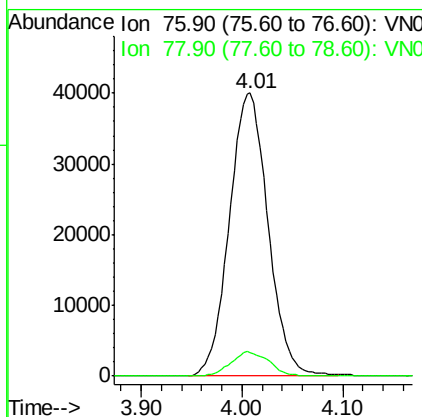
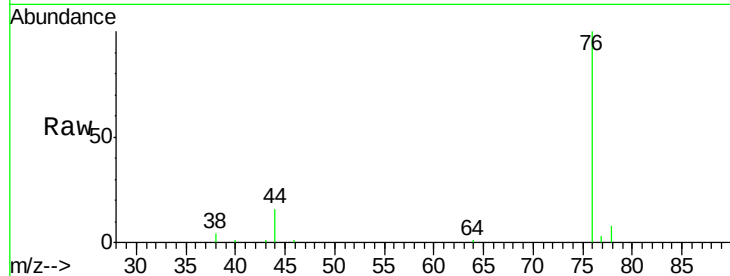
#17
Carbon Disulfide
Concen: 17.350 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampleId :
VN0728MBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9

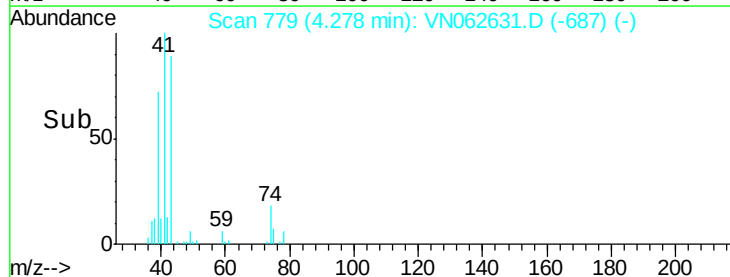
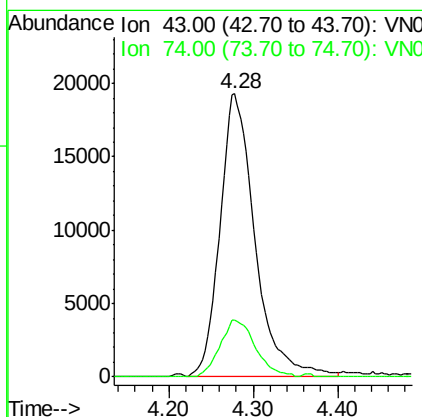
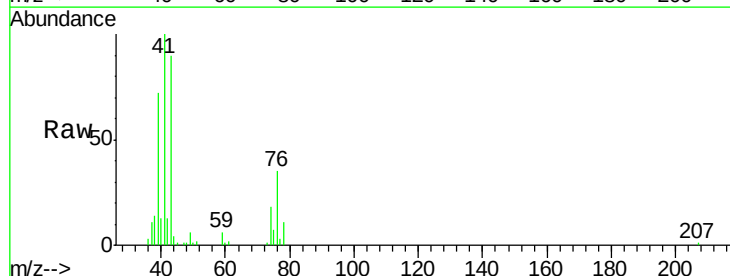
Manual Integrations
APPROVED

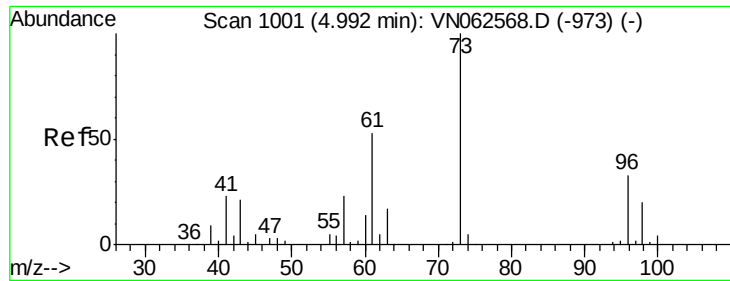
MMDadoda
7/29/2020 7:06:22 PM



#18
Methyl Acetate
Concen: 21.572 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	16.6	24.8





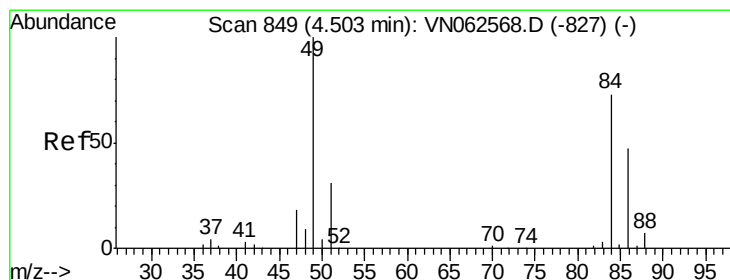
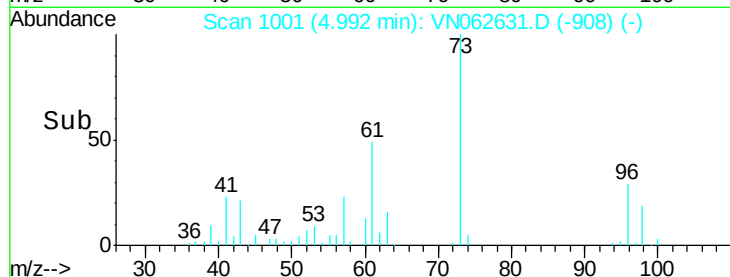
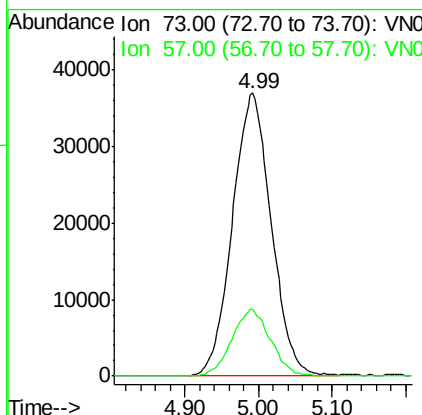
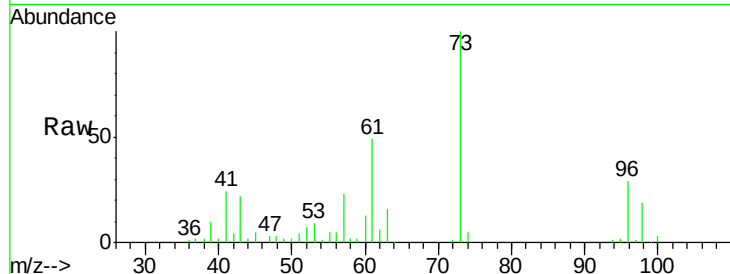
#19
Methyl tert-butyl Ether
Concen: 19.659 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampleId :
VN0728MBS01

Tgt Ion: 73 Resp: 135358
Ion Ratio Lower Upper
73 100
57 23.5 18.6 27.8

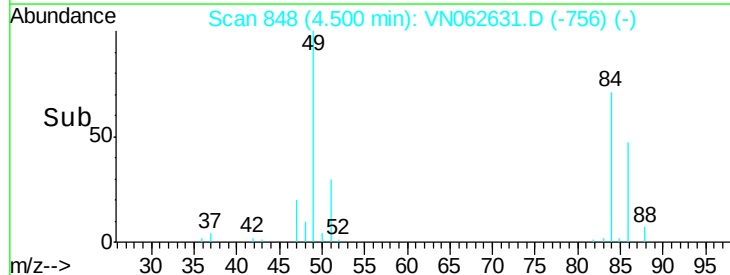
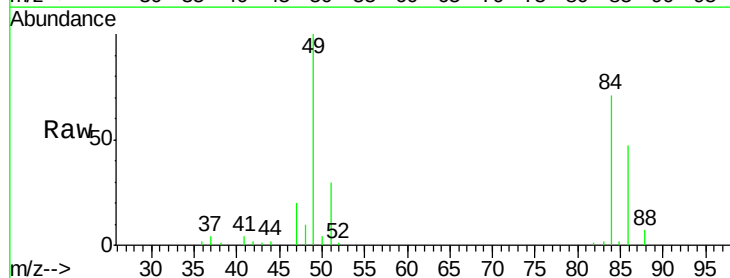
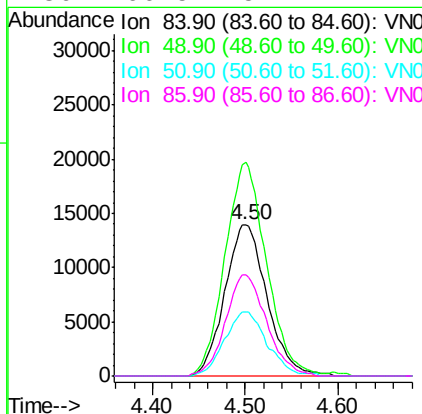
Manual Integrations
APPROVED

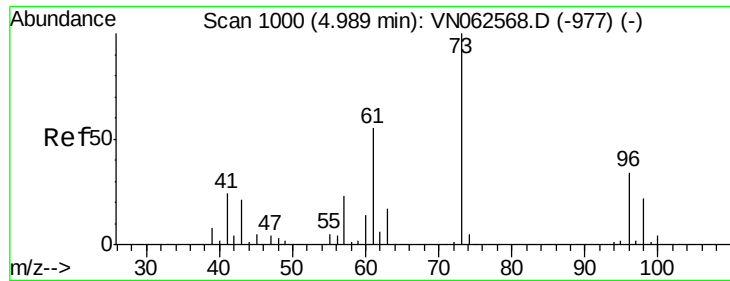
MMDadoda
7/29/2020 7:06:22 PM



#20
Methylene Chloride
Concen: 17.961 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion: 84 Resp: 43997
Ion Ratio Lower Upper
84 100
49 141.1 109.4 164.0
51 42.5 33.6 50.4
86 66.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 17.635 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

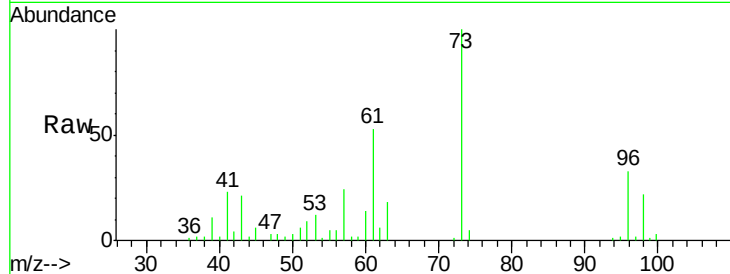
ClientSampleId :

VN0728MBS01

Tgt Ion:	96	Resp:	36616
Ion	Ratio	Lower	Upper
96	100		
61	162.6	128.6	192.8
98	66.1	50.6	76.0

Manual Integrations
APPROVED

MMDadoda
7/29/2020 7:06:22 PM

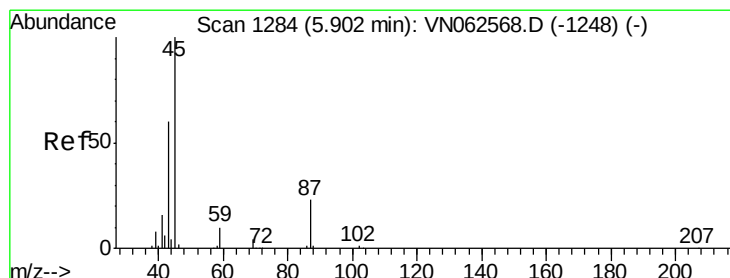
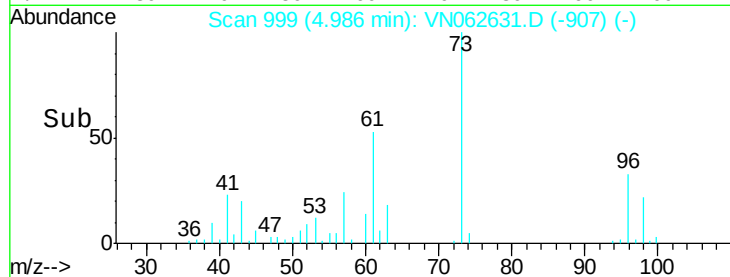
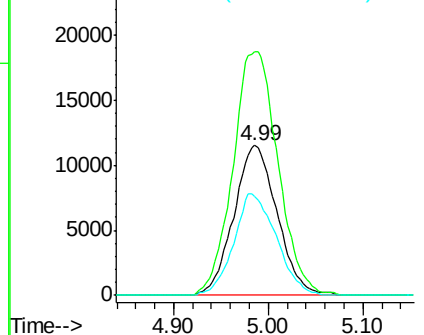


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 18.696 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Tgt Ion:	45	Resp:	150378
Ion	Ratio	Lower	Upper
45	100		
43	64.1	48.7	73.1
87	24.3	19.0	28.6
59	12.3	8.6	13.0

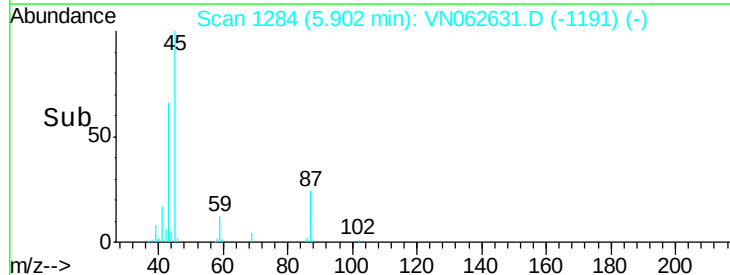
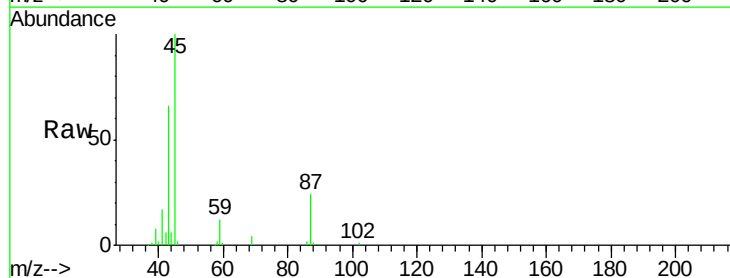
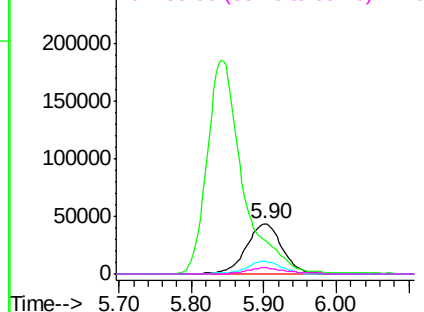
Abundance

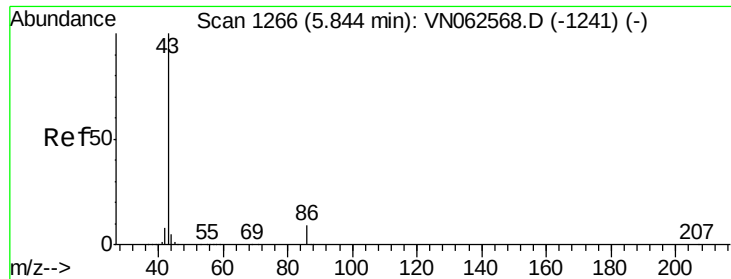
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





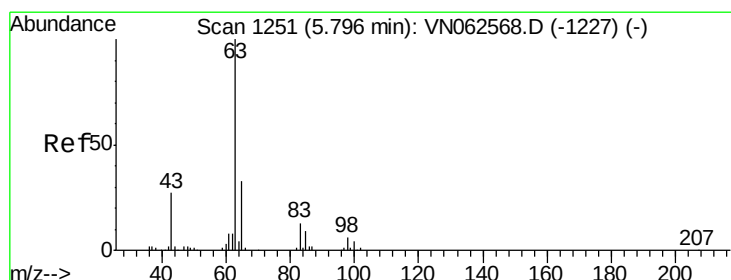
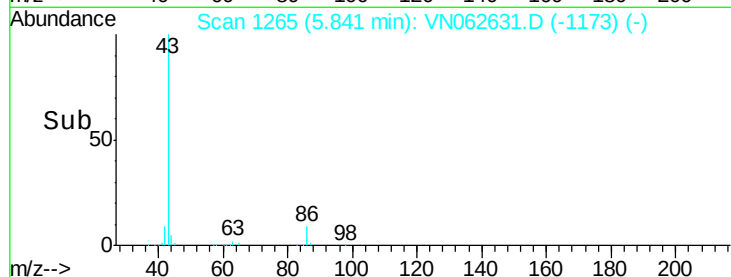
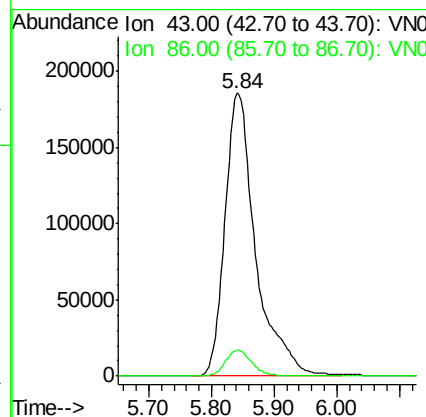
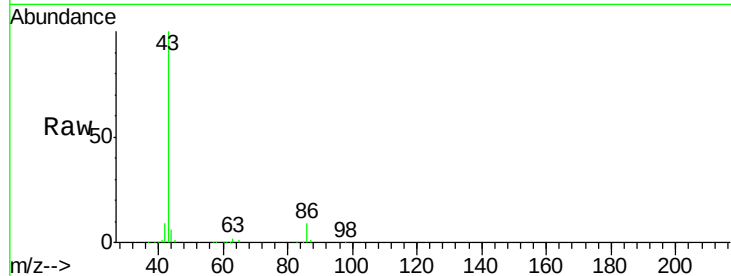
#23
 Vinyl Acetate
 Concen: 95.930 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0728MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	632248		
86	9.1		6.9	10.3

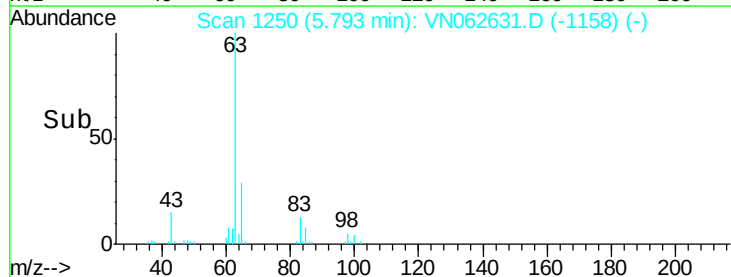
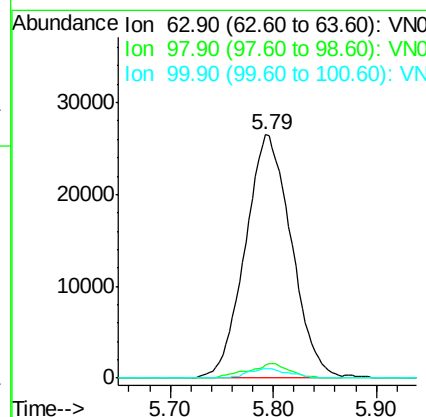
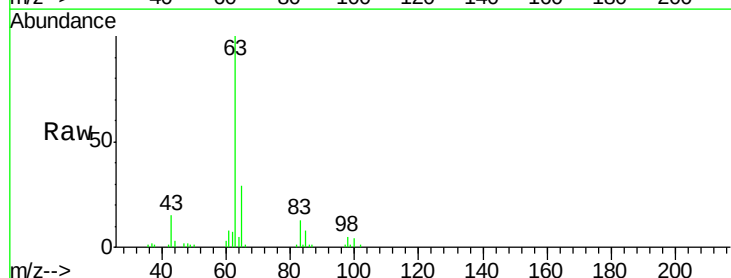
Manual Integrations
 APPROVED

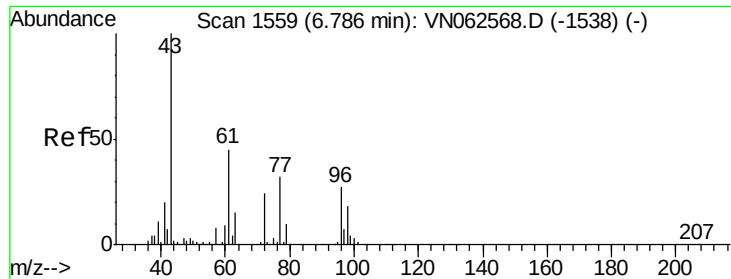
MMDadoda
 7/29/2020 7:06:22 PM



#24
 1,1-Dichloroethane
 Concen: 19.008 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	82332		
98	5.2		2.9	8.8
100	4.0		1.8	5.4





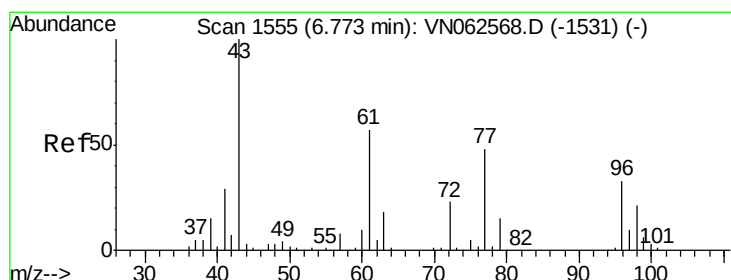
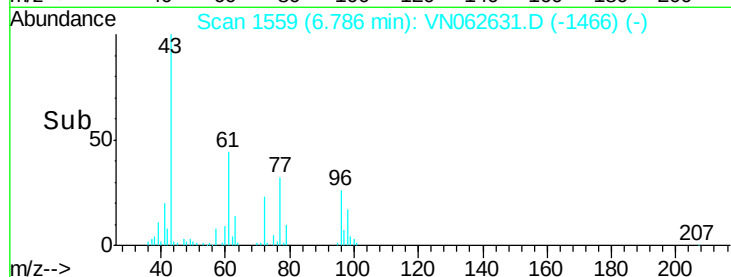
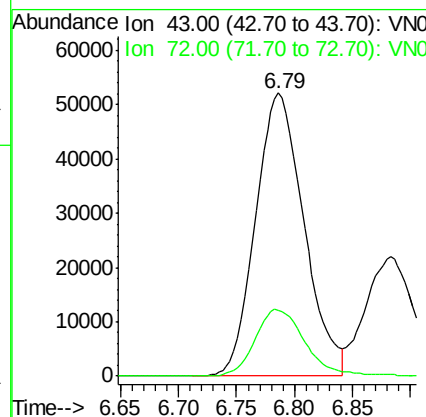
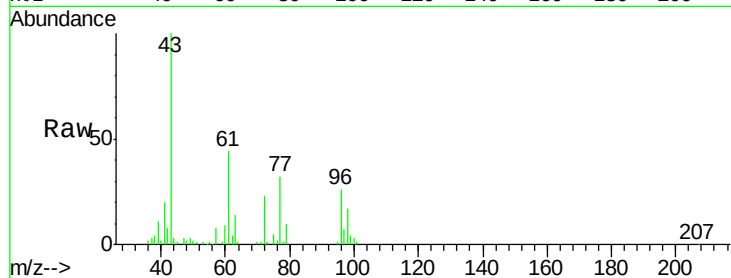
#25
2-Butanone
Concen: 97.343 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampleId :
VN0728MBS01

Tgt Ion: 43 Resp: 151413
Ion Ratio Lower Upper
43 100
72 23.2 19.0 28.6

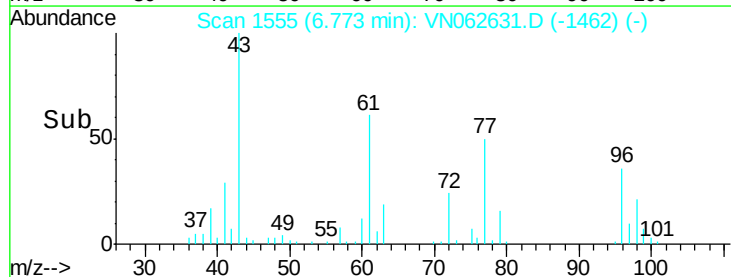
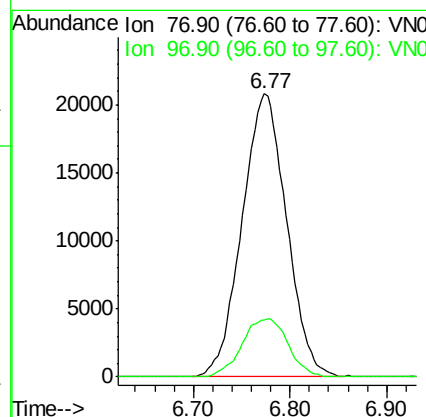
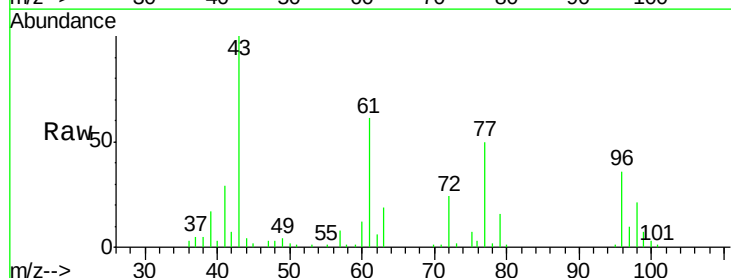
Manual Integrations
APPROVED

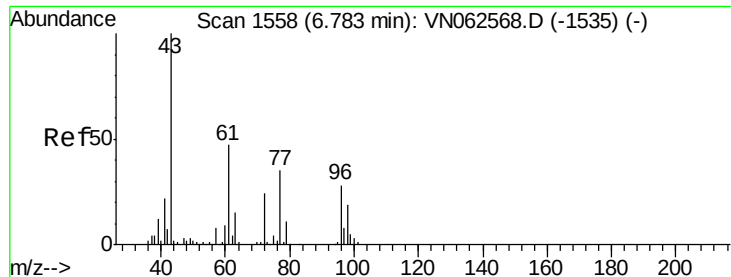
MMDadoda
7/29/2020 7:06:22 PM



#26
2,2-Dichloropropane
Concen: 18.742 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion: 77 Resp: 66640
Ion Ratio Lower Upper
77 100
97 21.1 10.8 32.4





#27

cis-1,2-Dichloroethene

Concen: 18.848 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

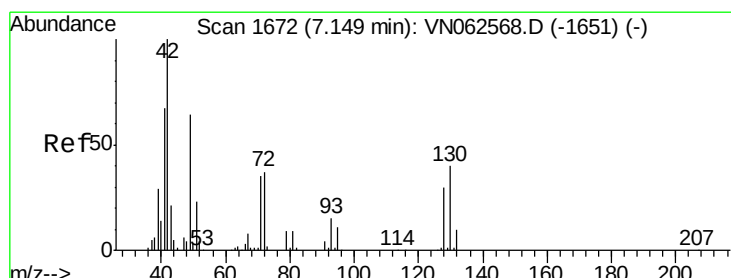
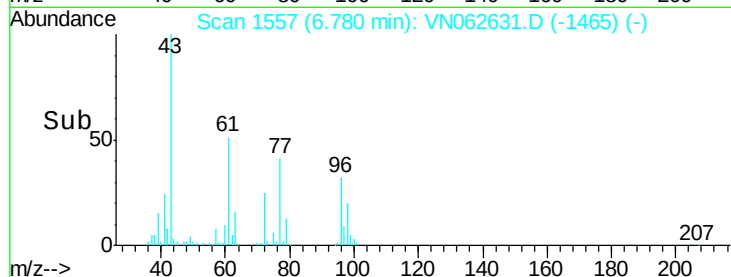
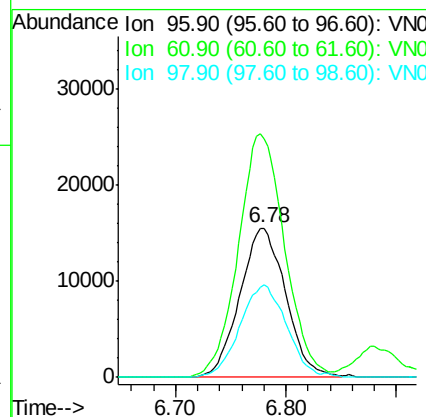
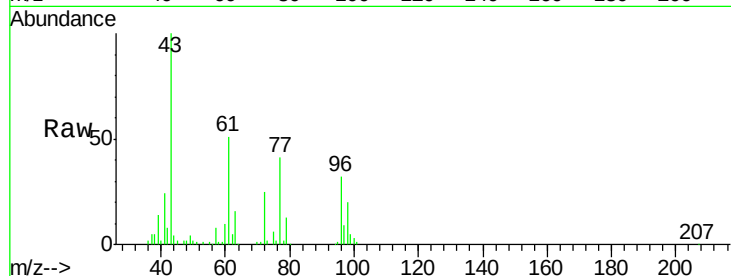
ClientSampleId :

VN0728MBS01

Tgt Ion:	96	Resp:	44656
Ion	Ratio	Lower	Upper
96	100		
61	165.1	0.0	332.4
98	63.3	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
7/29/2020 7:06:22 PM



#28

Bromochloromethane

Concen: 19.615 ug/l

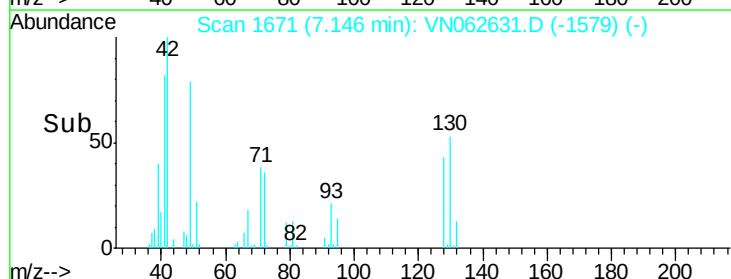
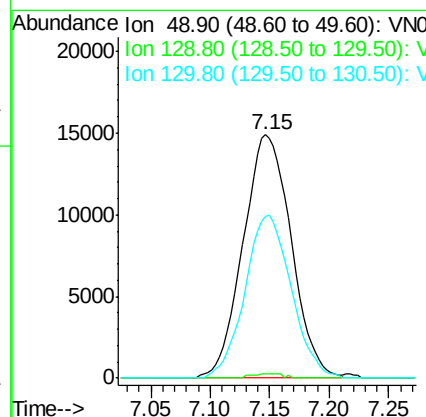
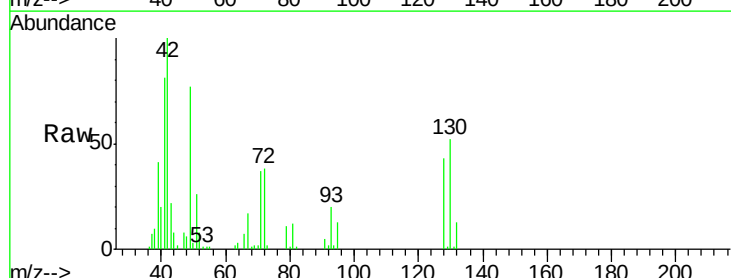
RT: 7.15 min Scan# 1671

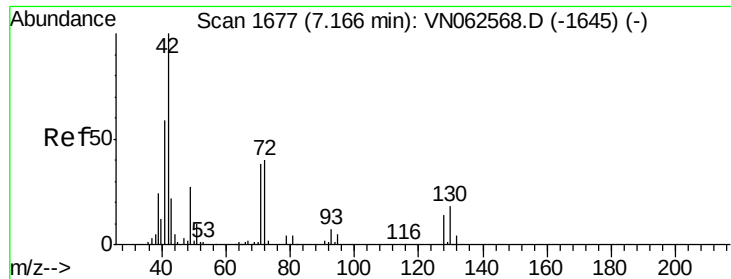
Delta R.T. -0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Tgt Ion:	49	Resp:	41811
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.4
130	64.4	49.8	74.8





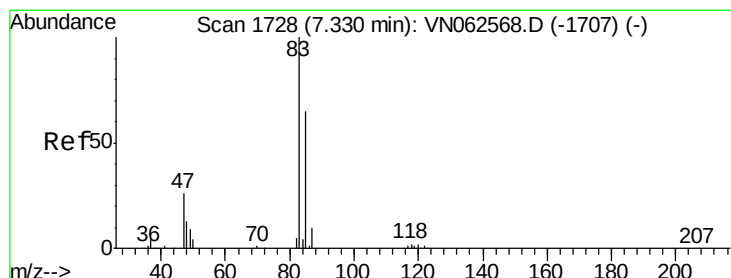
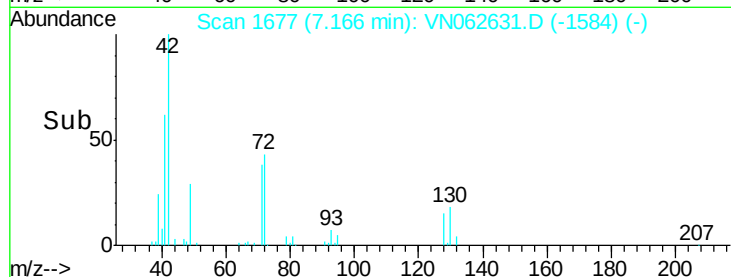
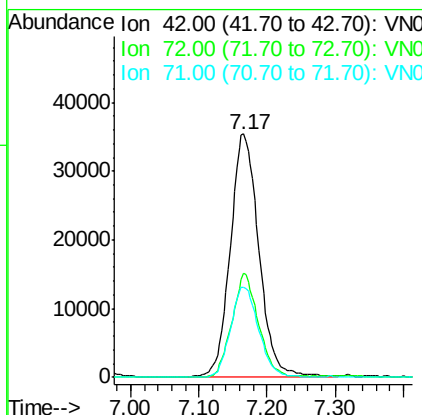
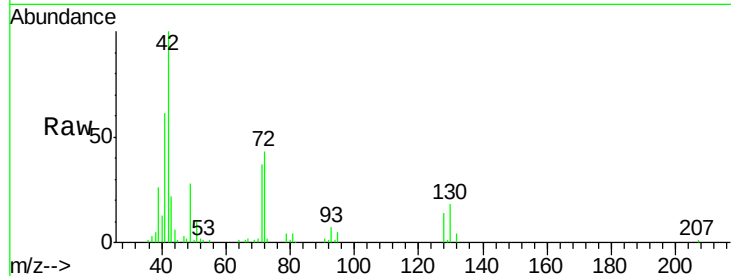
#29
Tetrahydrofuran
Concen: 98.532 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampleId :
VN0728MBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.3	30.7	46.1
71	36.1	29.1	43.7

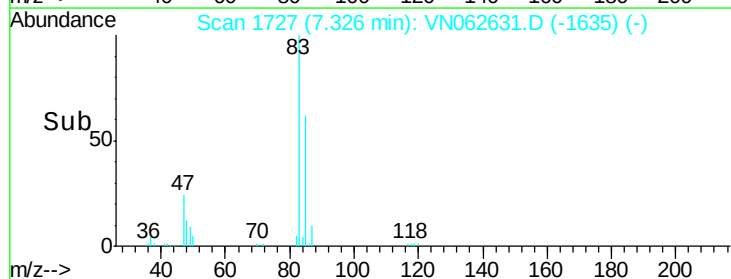
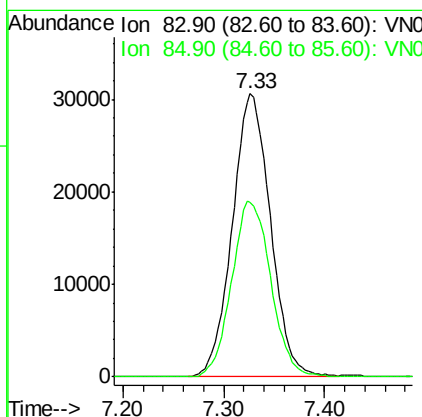
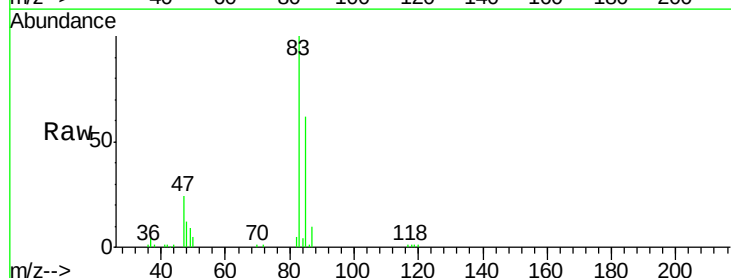
Manual Integrations
APPROVED

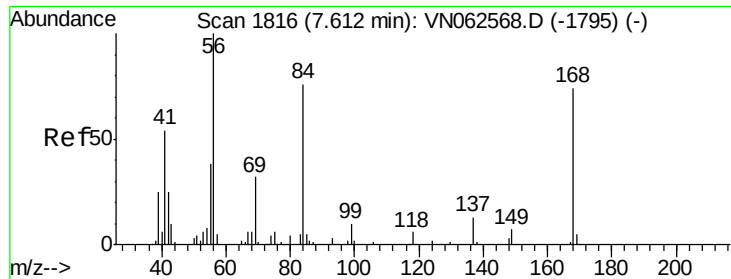
MMDadoda
7/29/2020 7:06:22 PM



#30
Chloroform
Concen: 19.526 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.0	78.0





#31

Cyclohexane

Concen: 17.790 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

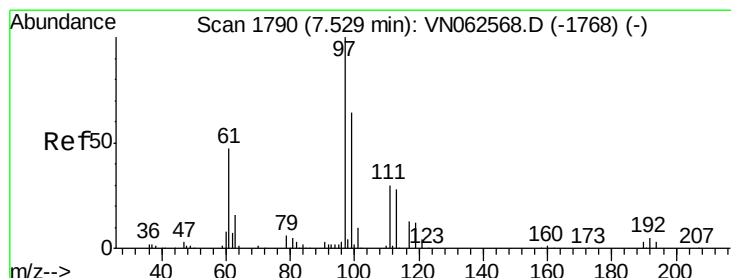
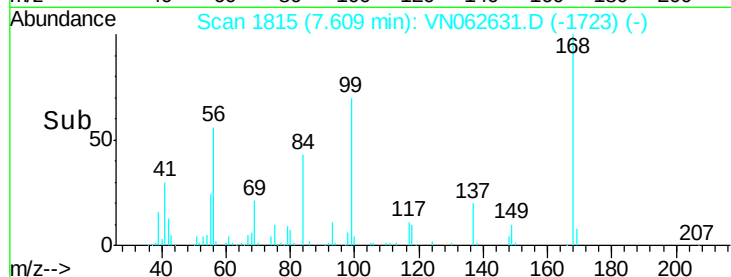
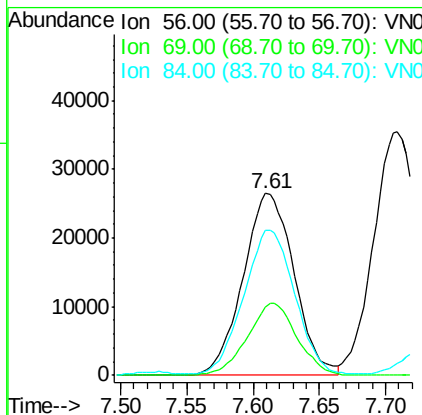
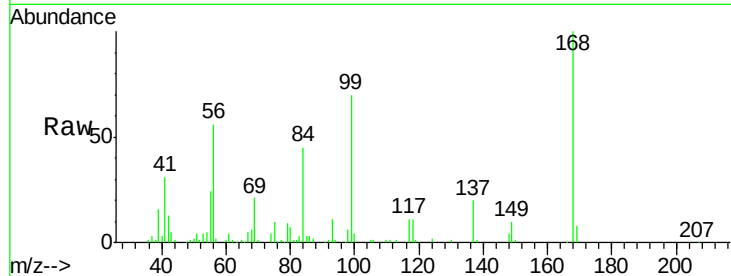
ClientSampleId :

VN0728MBS01

Tgt Ion:	56	Resp:	71144
Ion Ratio	Lower	Upper	
56	100		
69	37.3	25.3	37.9
84	78.8	61.0	91.4

Manual Integrations
APPROVED

MMDadoda
7/29/2020 7:06:22 PM



#32

1,1,1-Trichloroethane

Concen: 20.090 ug/l

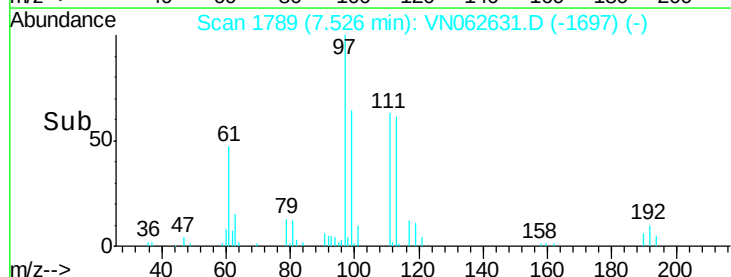
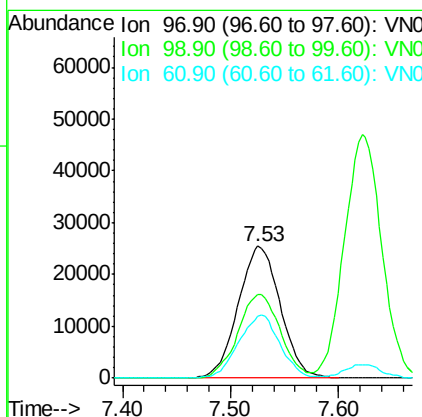
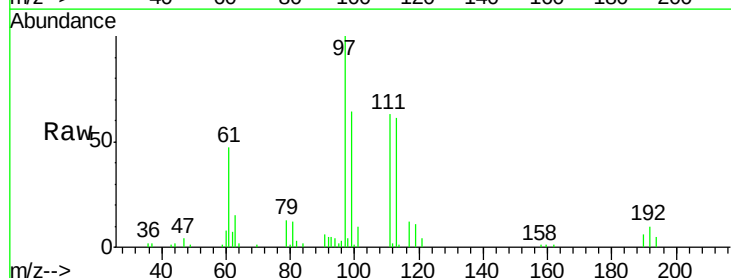
RT: 7.53 min Scan# 1789

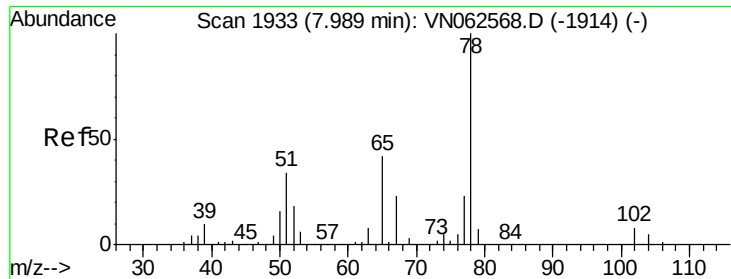
Delta R.T. -0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Tgt Ion:	97	Resp:	69076
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.2	76.8
61	46.7	38.4	57.6





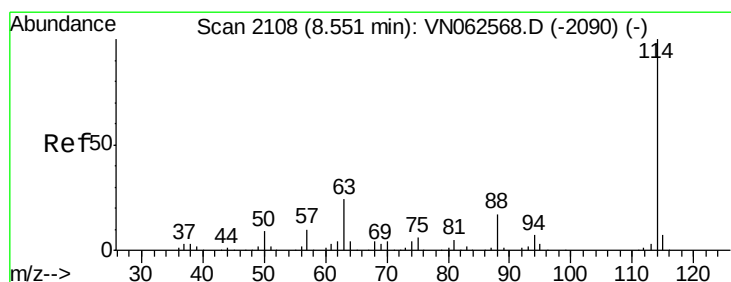
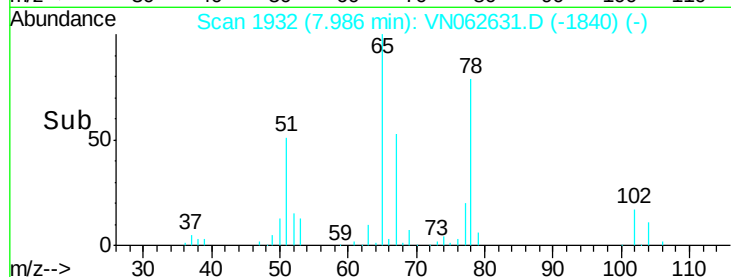
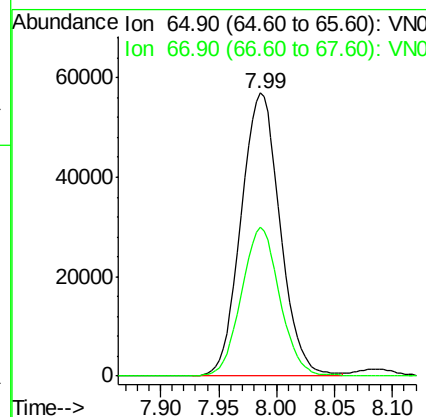
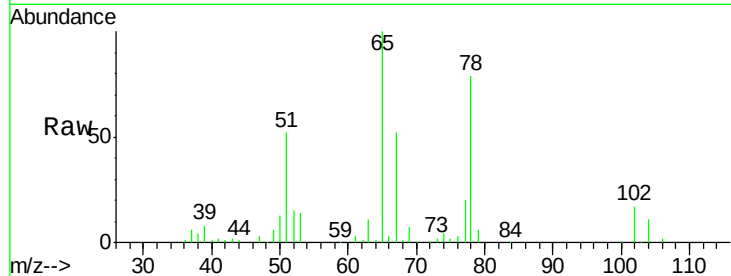
#33
 1,2-Dichloroethane-d4
 Concen: 49.270 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0728MBS01

Tgt Ion: 65 Resp: 133722
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.0

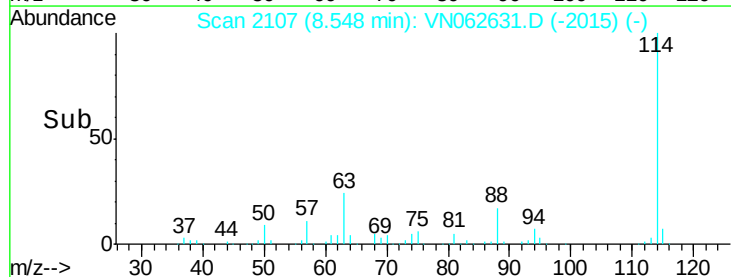
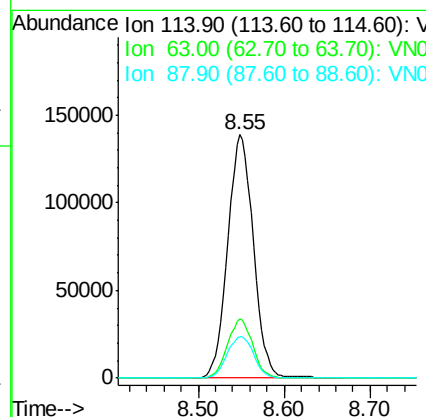
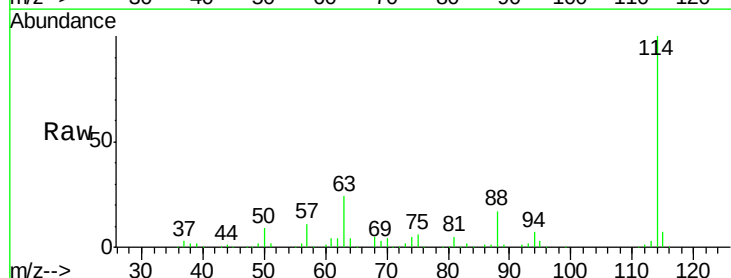
Manual Integrations
 APPROVED

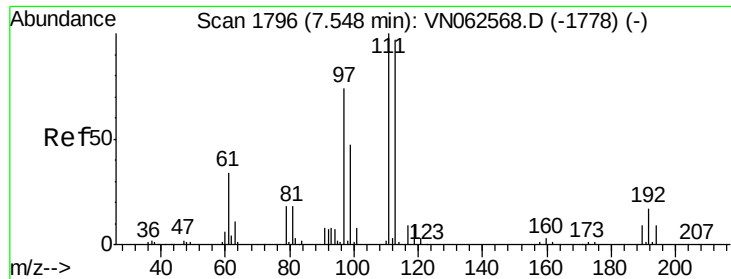
MMDadoda
 7/29/2020 7:06:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Tgt Ion: 114 Resp: 288000
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 48.4
 88 16.9 0.0 33.8





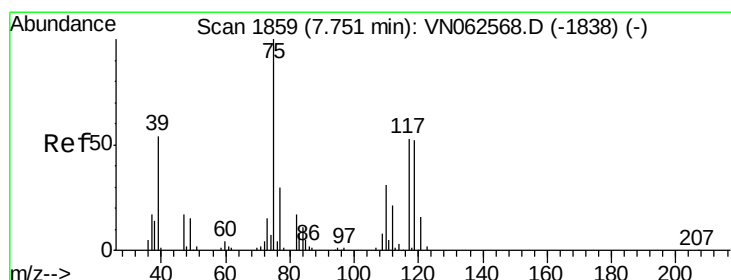
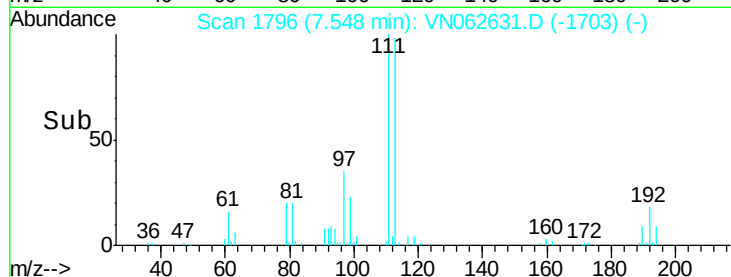
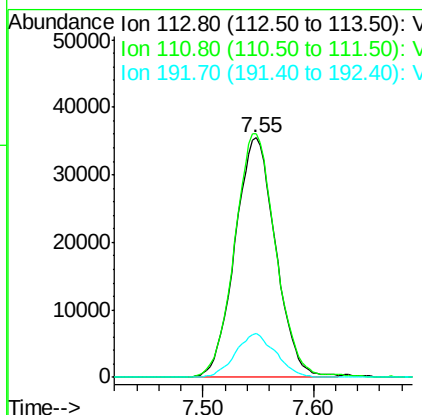
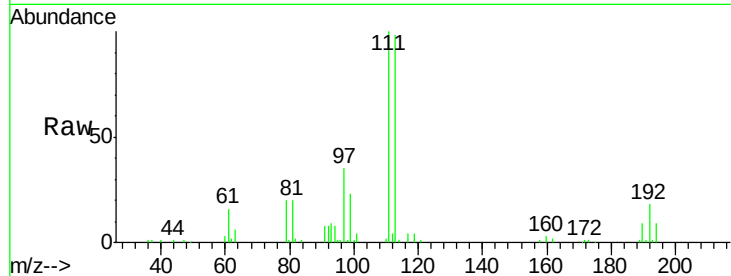
#35
Dibromofluoromethane
Concen: 47.891 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampleId :
VN0728MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	90597		
111	102.1	82.7	124.1	
192	17.9	14.8	22.2	

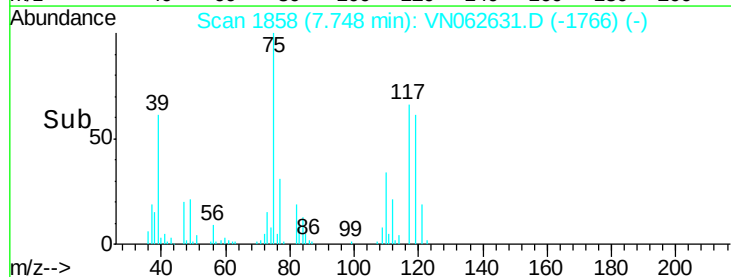
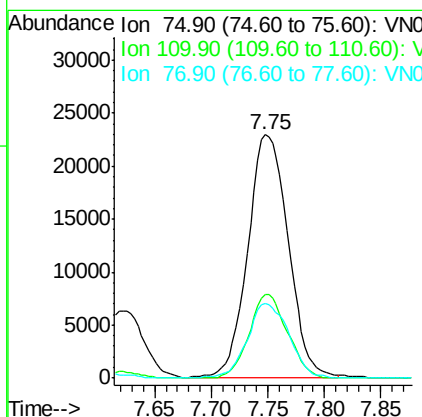
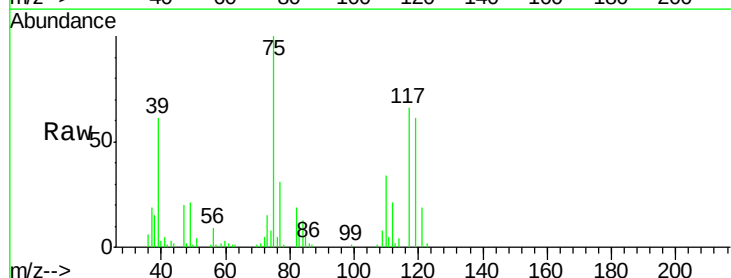
Manual Integrations
APPROVED

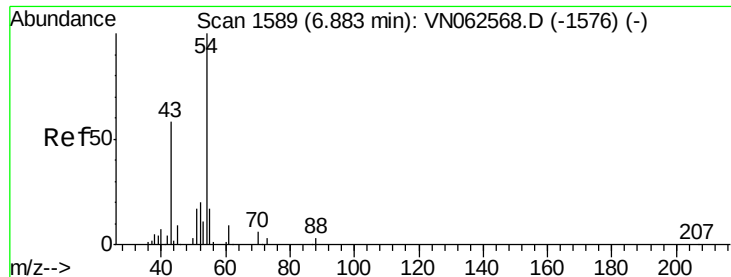
MMDadoda
7/29/2020 7:06:22 PM



#36
1,1-Dichloropropene
Concen: 18.661 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57284		
110	32.4	16.0	48.0	
77	31.6	24.6	36.8	





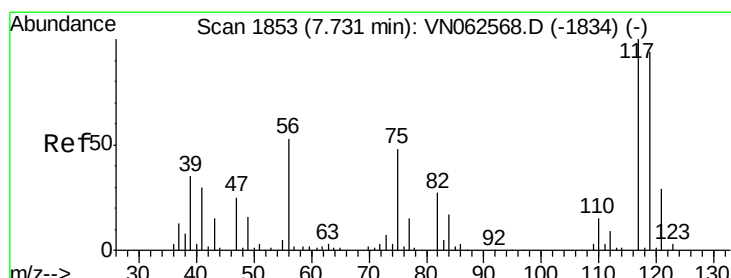
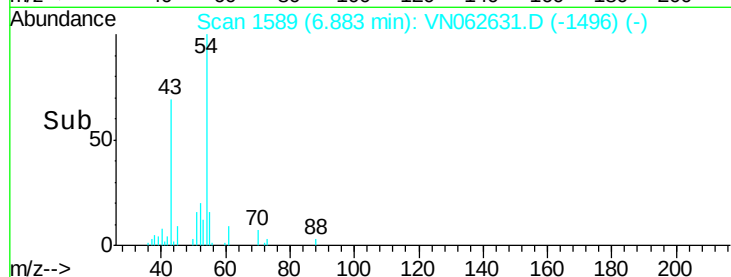
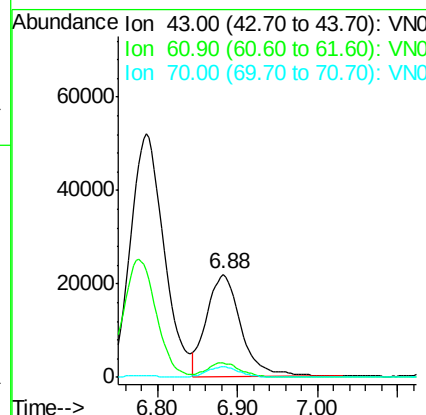
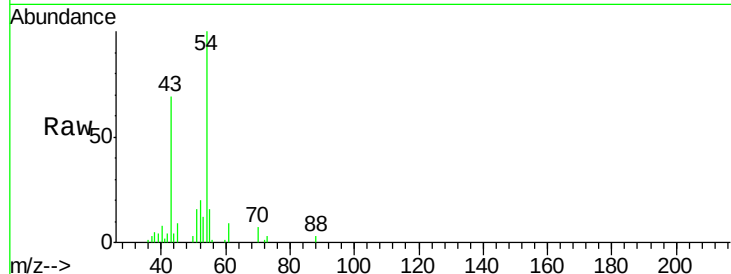
#37
Ethyl Acetate
 Concen: 20.009 ug/l
 RT: 6.88 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0728MBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.3	16.9
70	9.5	7.7	11.5

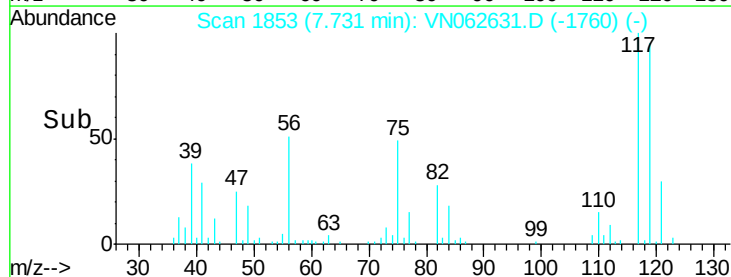
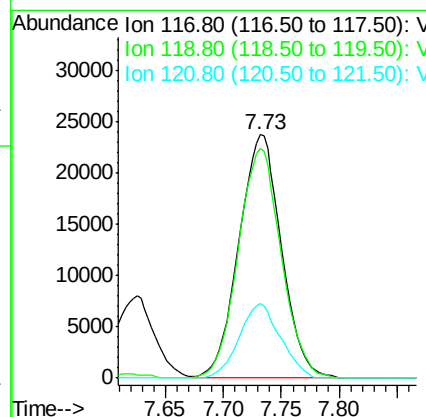
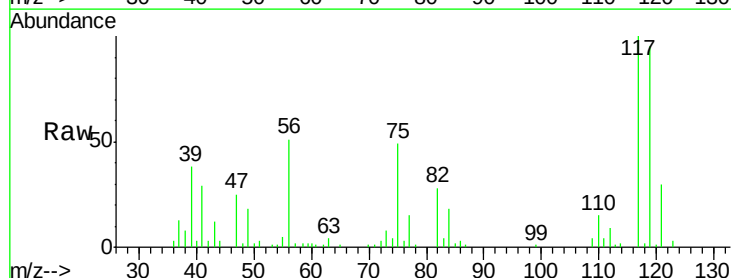
Manual Integrations
APPROVED

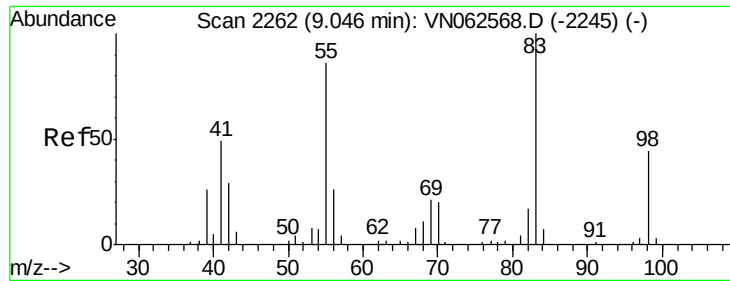
MMDadoda
 7/29/2020 7:06:22 PM



#38
Carbon Tetrachloride
 Concen: 20.573 ug/l
 RT: 7.73 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	74.8	112.2
121	30.5	23.0	34.6





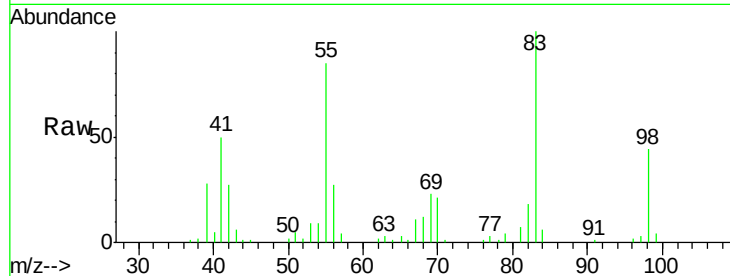
#39
Methylcyclohexane
Concen: 18.623 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampleId :
VN0728MBS01

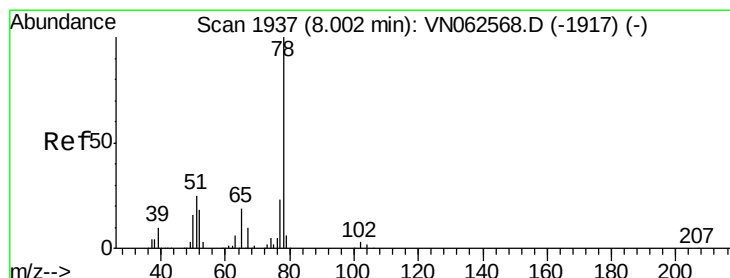
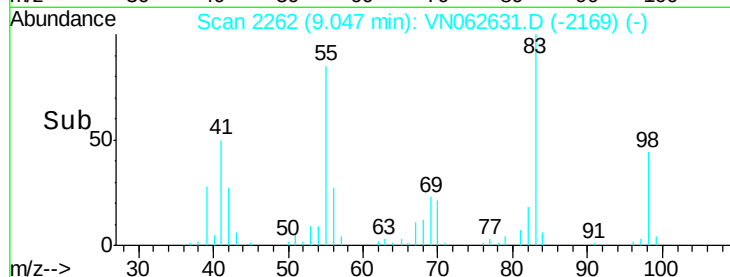
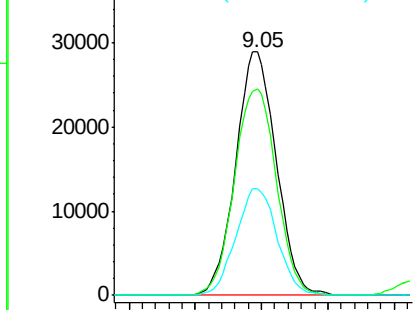
Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.9	68.9	103.3
98	43.9	35.1	52.7

Manual Integrations
APPROVED

MMDadoda
7/29/2020 7:06:22 PM

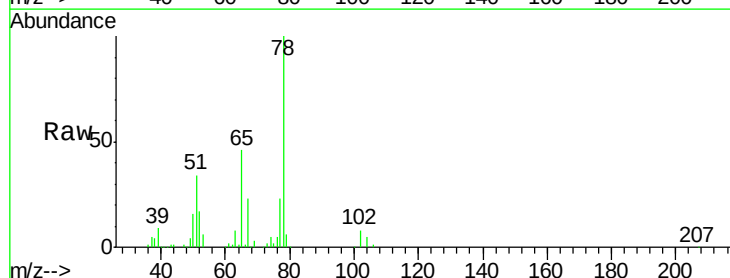


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

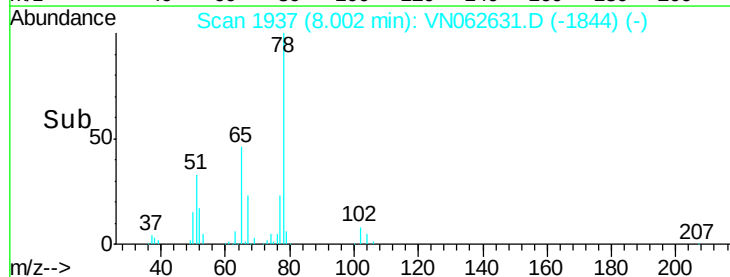
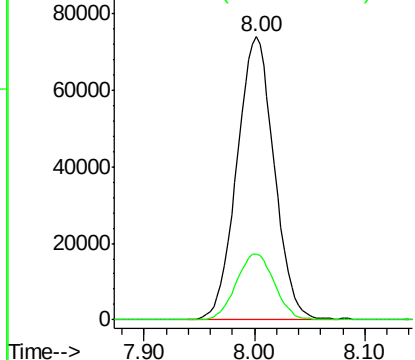


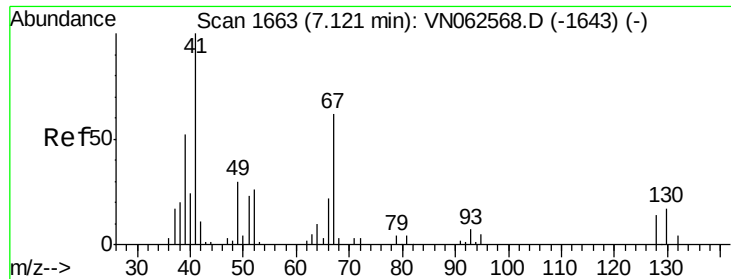
#40
Benzene
Concen: 18.651 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





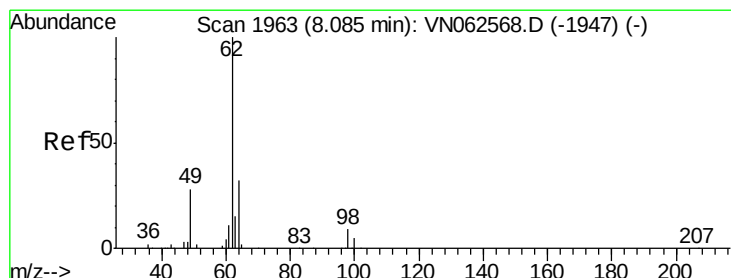
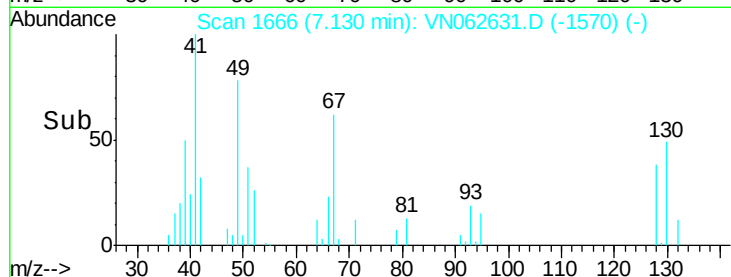
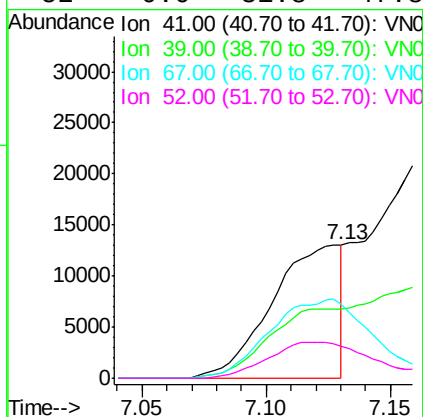
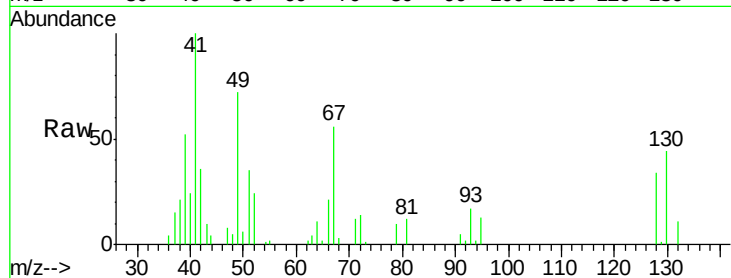
#41
Methacrylonitrile
Concen: 17.960 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampleId :
VN0728MBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.8	83.6#
67	0.0	72.5	108.7#
52	0.0	31.8	47.8#

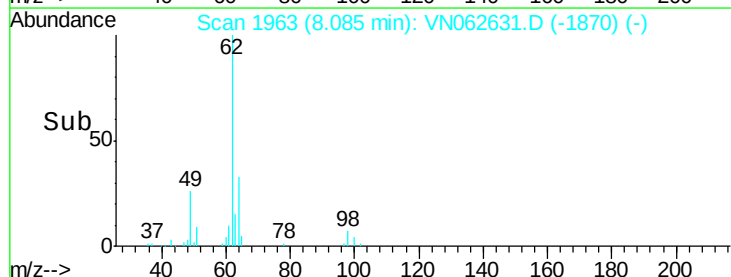
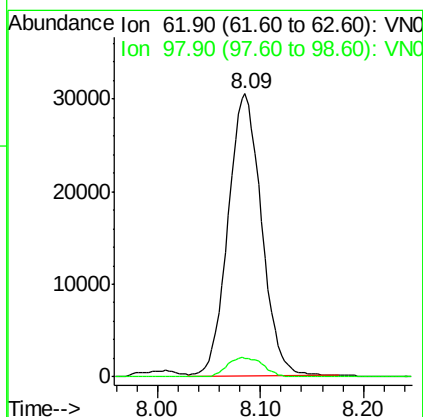
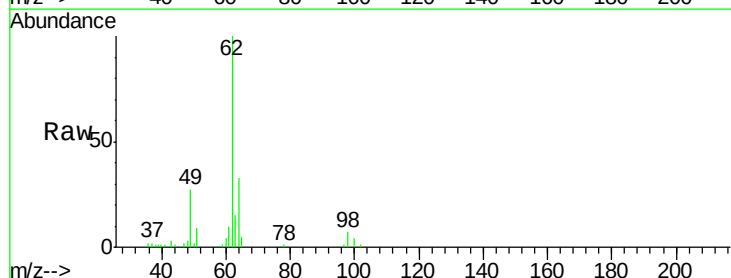
Manual Integrations
APPROVED

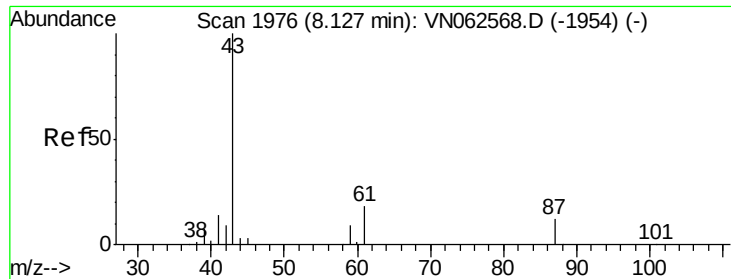
MMDadoda
7/29/2020 7:06:22 PM



#42
1,2-Dichloroethane
Concen: 20.300 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	16.2





#43

Isopropyl Acetate

Concen: 19.868 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

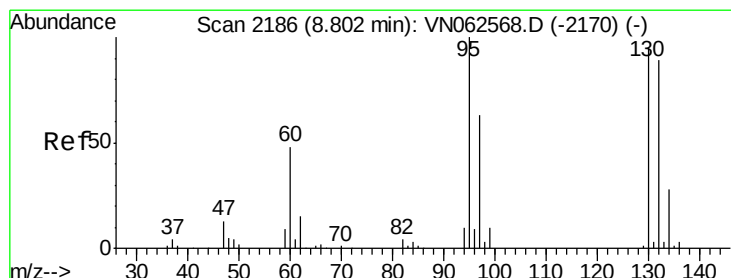
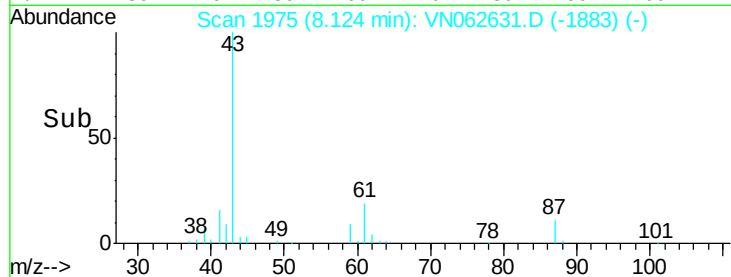
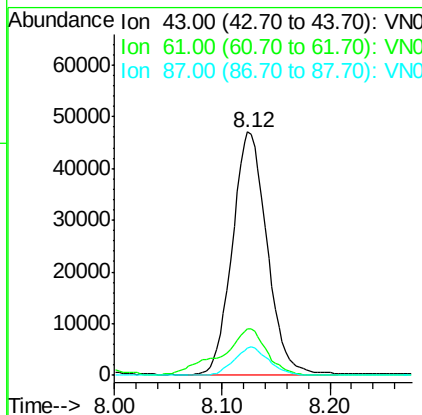
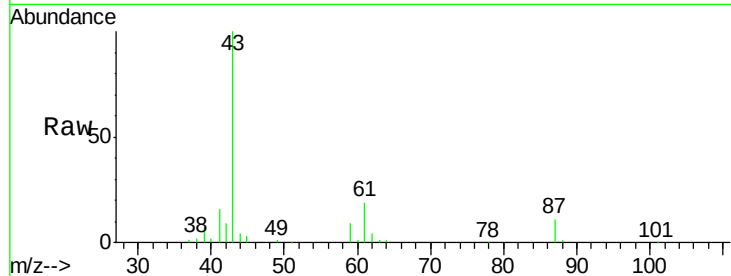
ClientSampleId :

VN0728MBS01

Tgt Ion:	43	Resp:	105987
Ion Ratio		Lower	Upper
43	100		
61	25.0	20.8	31.2
87	11.5	9.2	13.8

Manual Integrations
APPROVED

MMDadoda
7/29/2020 7:06:22 PM



#44

Trichloroethene

Concen: 18.416 ug/l

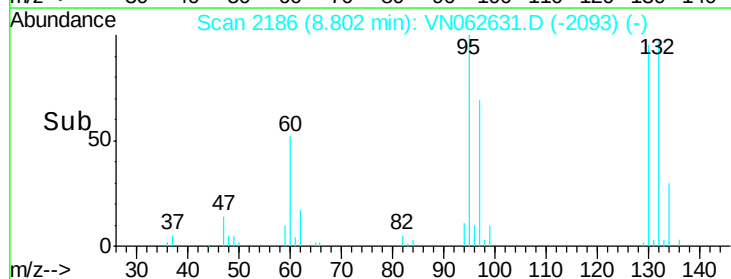
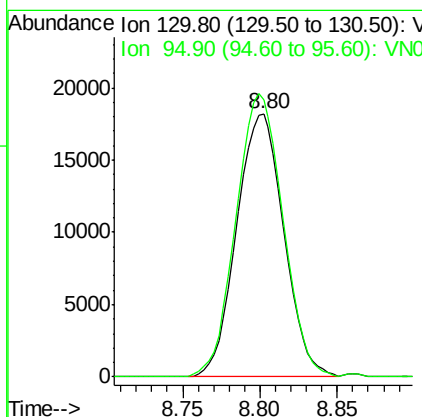
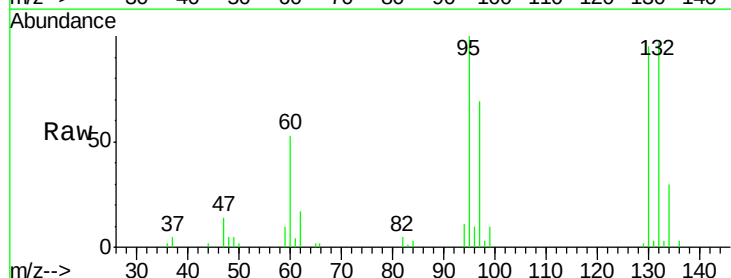
RT: 8.80 min Scan# 2186

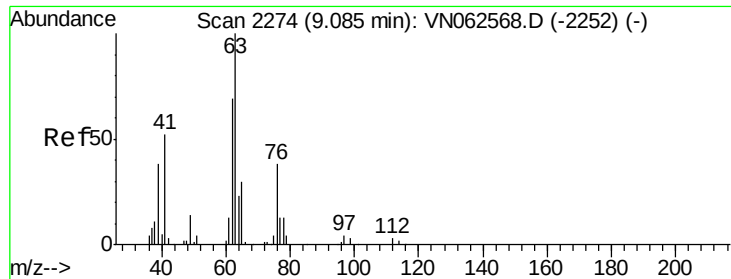
Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Tgt Ion:	130	Resp:	38597
Ion Ratio		Lower	Upper
130	100		
95	105.1	0.0	210.4





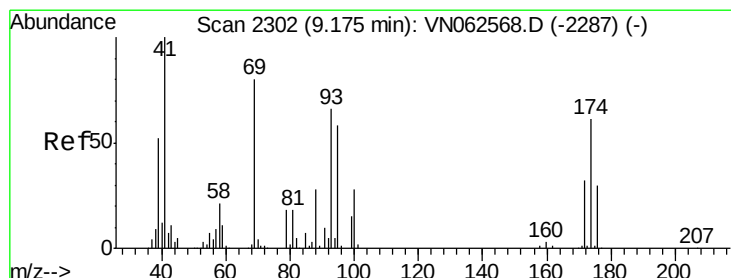
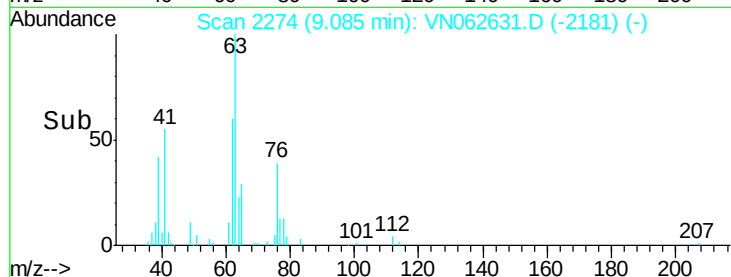
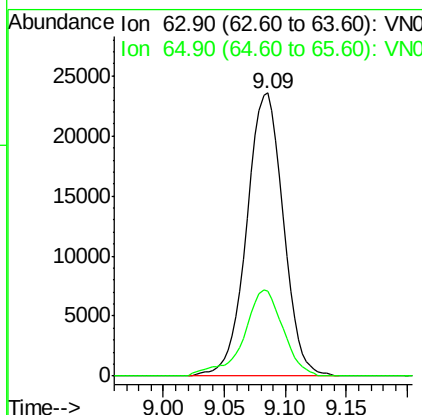
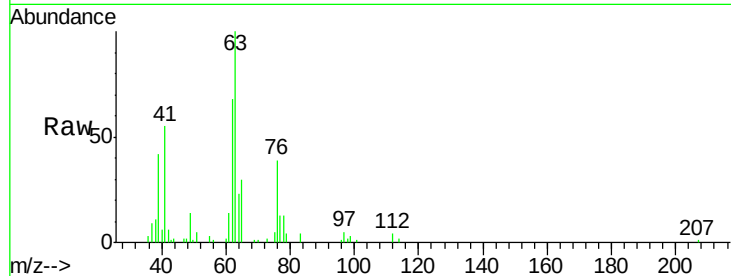
#45
 1,2-Dichloropropane
 Concen: 18.728 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0728MBS01

Tgt Ion: 63 Resp: 48869
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.4 36.6

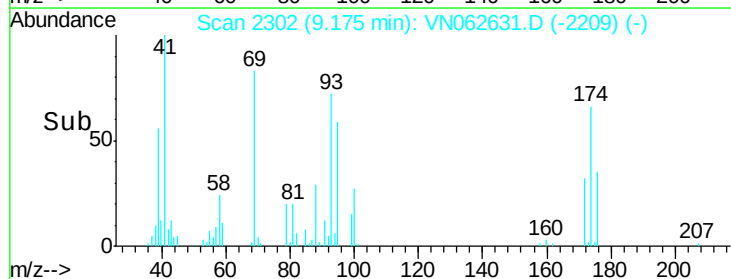
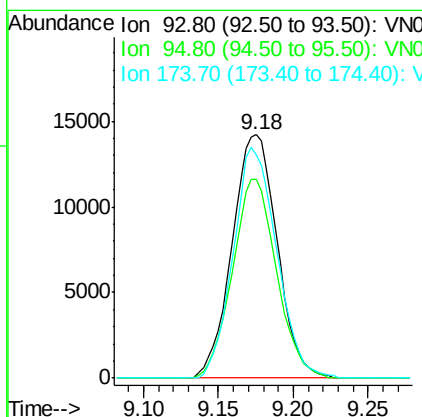
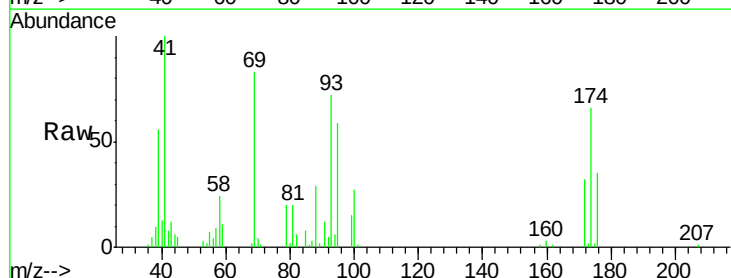
Manual Integrations
 APPROVED

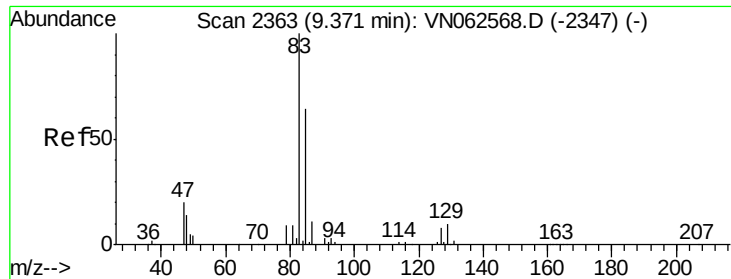
MMDadoda
 7/29/2020 7:06:22 PM



#46
 Dibromomethane
 Concen: 19.740 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Tgt Ion: 93 Resp: 29771
 Ion Ratio Lower Upper
 93 100
 95 80.1 67.6 101.4
 174 91.8 72.5 108.7





#47

Bromodichloromethane

Concen: 20.024 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

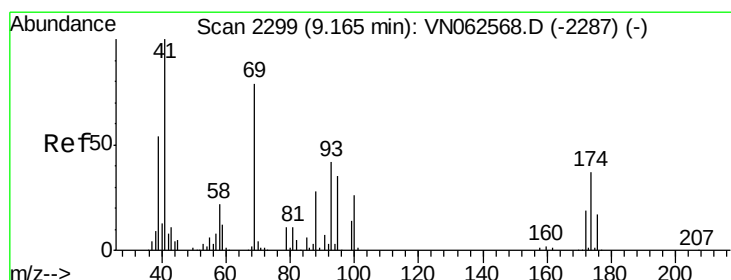
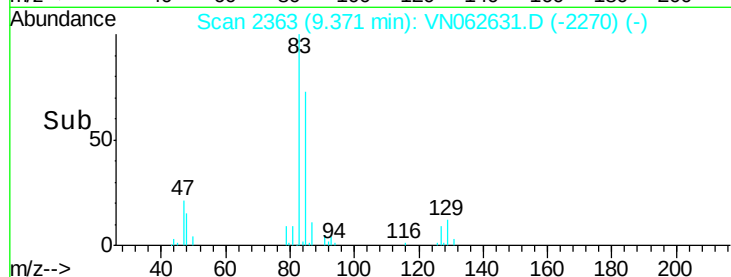
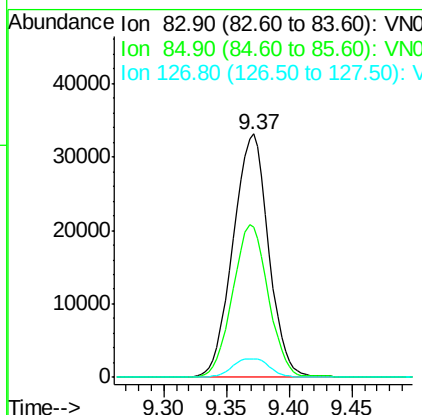
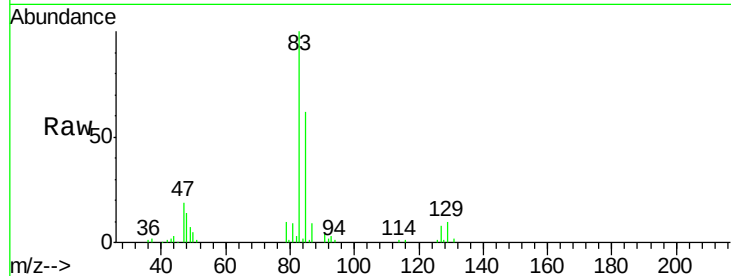
ClientSampleId :

VN0728MBS01

Tgt Ion:	83	Resp:	65425
Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.6	77.4
127	7.7	6.2	9.2

Manual Integrations
APPROVED

MMDadoda
7/29/2020 7:06:22 PM



#48

Methyl methacrylate

Concen: 19.426 ug/l

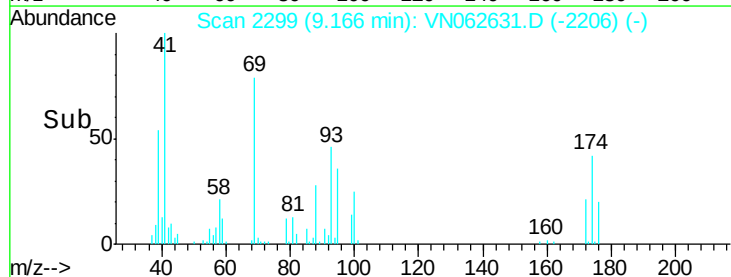
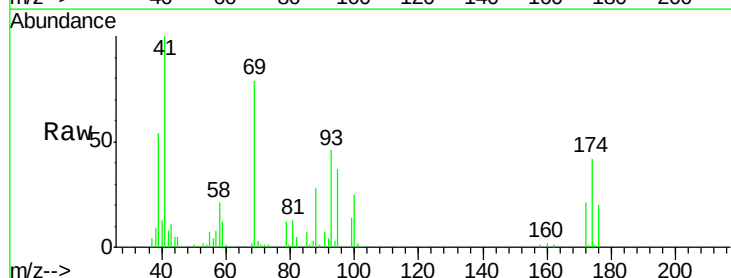
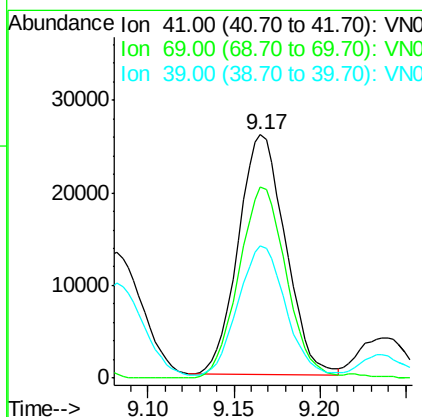
RT: 9.17 min Scan# 2299

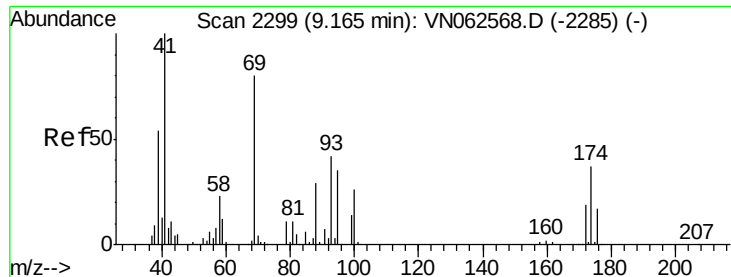
Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Tgt Ion:	41	Resp:	49260
Ion	Ratio	Lower	Upper
41	100		
69	80.0	64.4	96.6
39	55.8	43.5	65.3





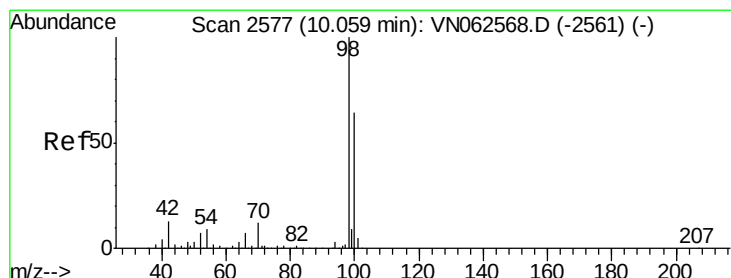
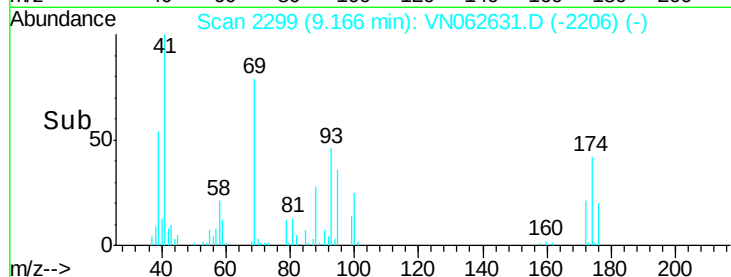
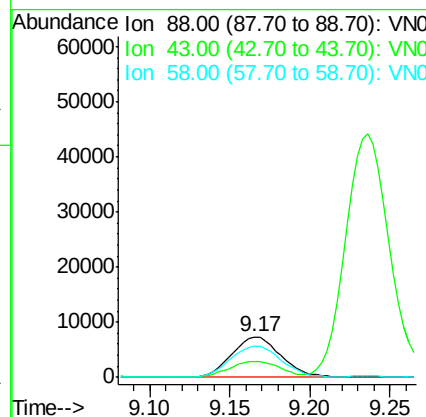
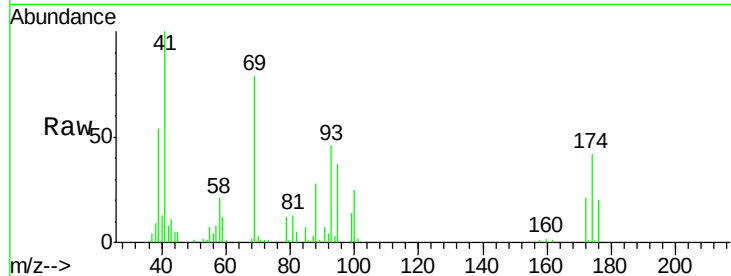
#49
1,4-Dioxane
Concen: 396.076 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampleId :
VN0728MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	15426		
43	40.8	32.0	48.0	
58	80.1	62.8	94.2	

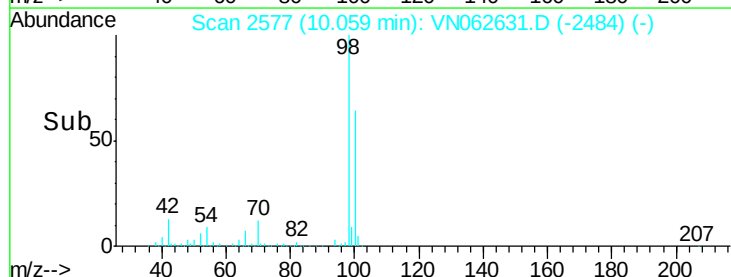
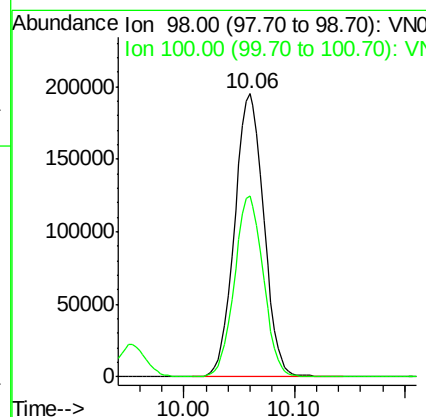
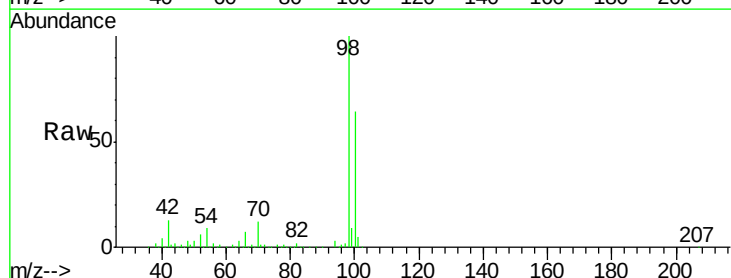
Manual Integrations
APPROVED

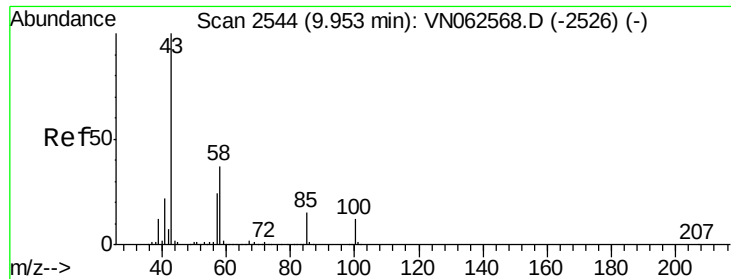
MMDadoda
7/29/2020 7:06:22 PM



#50
Toluene-d8
Concen: 47.435 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	358039		
100	62.9	50.9	76.3	





#51

4-Methyl-2-Pentanone

Concen: 100.157 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

VN0728MBS01

Tgt Ion: 43 Resp: 319681

Ion Ratio Lower Upper

43 100

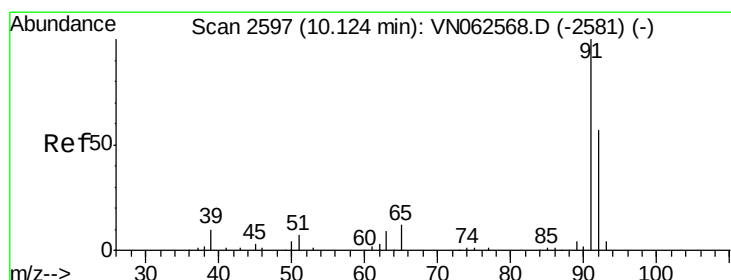
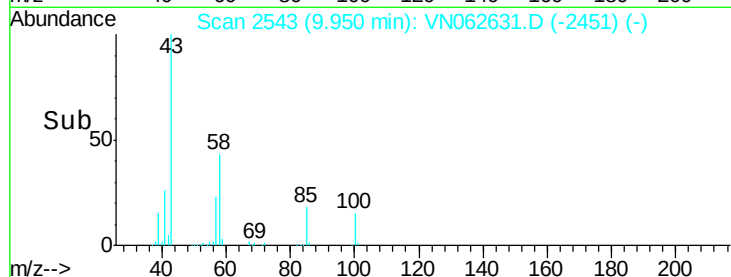
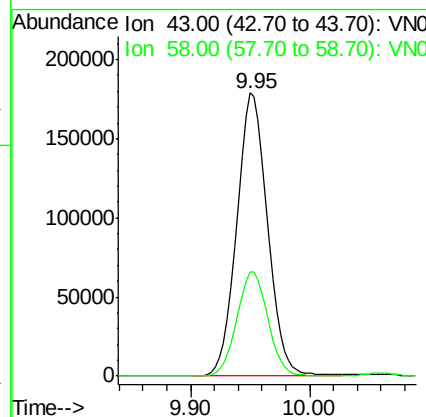
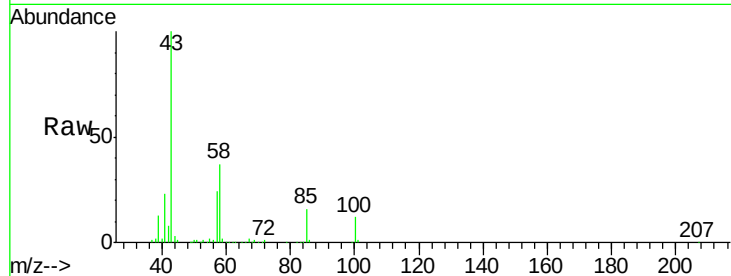
58 37.3 29.8 44.6

Manual Integrations

APPROVED

MMDadoda

7/29/2020 7:06:22 PM



#52

Toluene

Concen: 19.143 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN062631.D

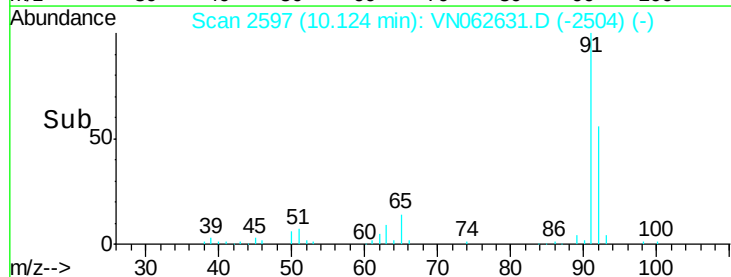
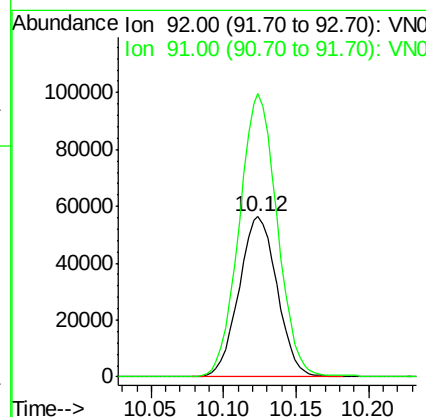
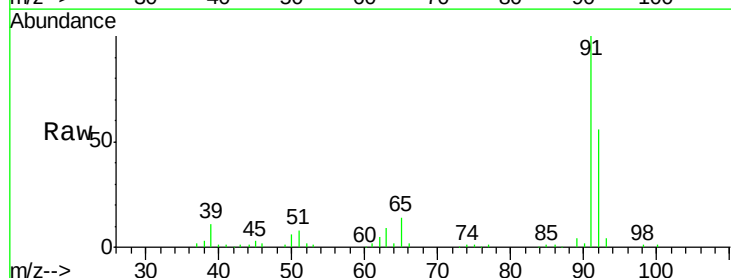
Acq: 28 Jul 2020 13:46

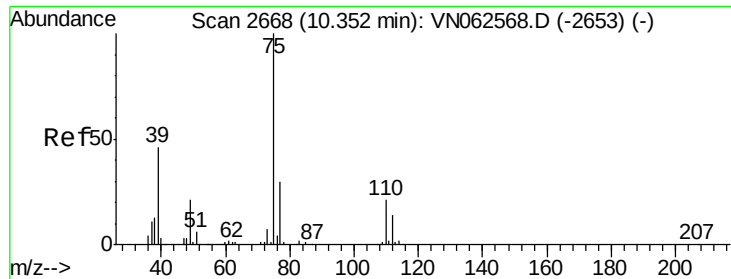
Tgt Ion: 92 Resp: 103307

Ion Ratio Lower Upper

92 100

91 175.3 139.4 209.2





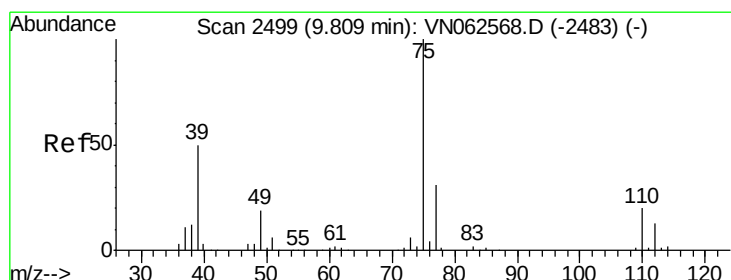
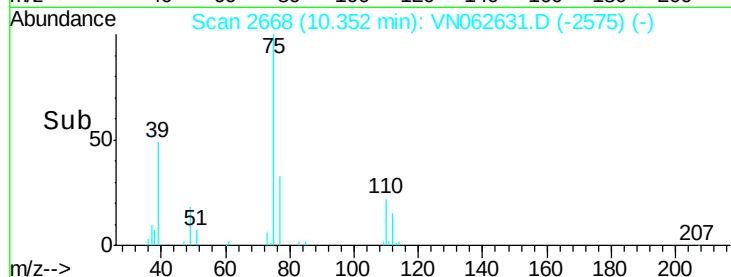
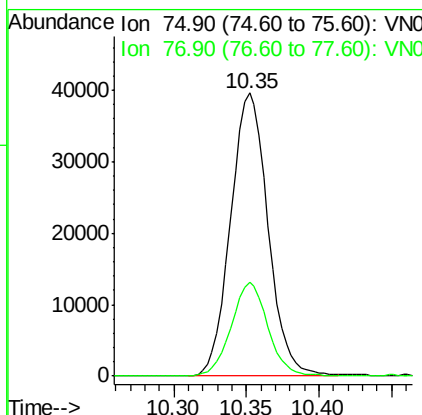
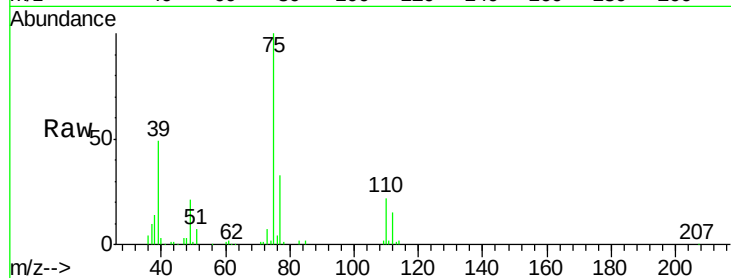
#53
t-1,3-Dichloropropene
Concen: 19.517 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampleId :
VN0728MBS01

Tgt Ion: 75 Resp: 70990
Ion Ratio Lower Upper
75 100
77 33.1 24.3 36.5

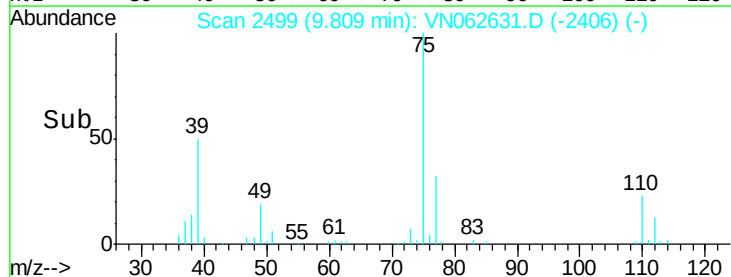
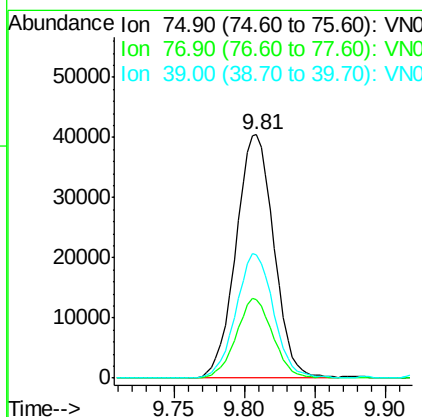
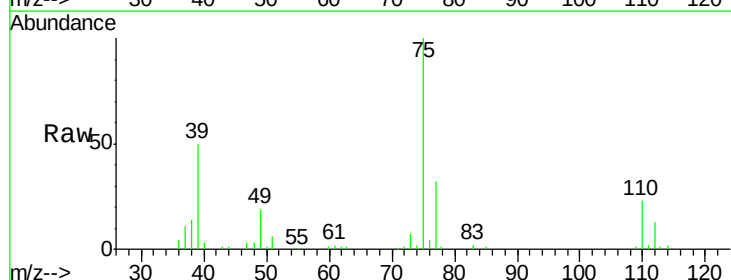
Manual Integrations
APPROVED

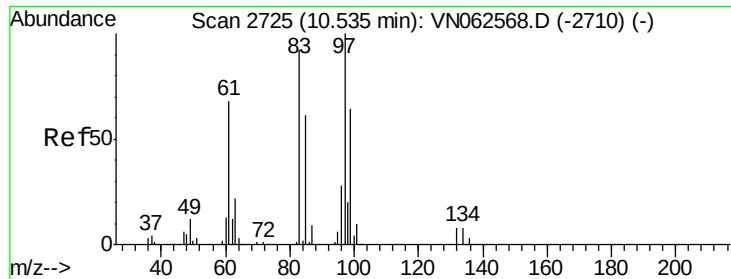
MMDadoda
7/29/2020 7:06:22 PM



#54
cis-1,3-Dichloropropene
Concen: 19.521 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion: 75 Resp: 76190
Ion Ratio Lower Upper
75 100
77 32.4 25.0 37.6
39 50.5 39.8 59.8





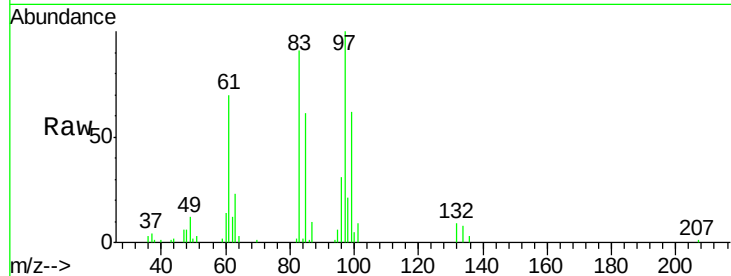
#55
 1,1,2-Trichloroethane
 Concen: 20.022 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0728MBS01

Tgt Ion:	97	Resp:	41911
Ion	Ratio	Lower	Upper
97	100		
83	91.5	73.7	110.5
85	61.4	48.5	72.7
99	61.8	50.8	76.2

Manual Integrations
 APPROVED

MMDadoda
 7/29/2020 7:06:22 PM

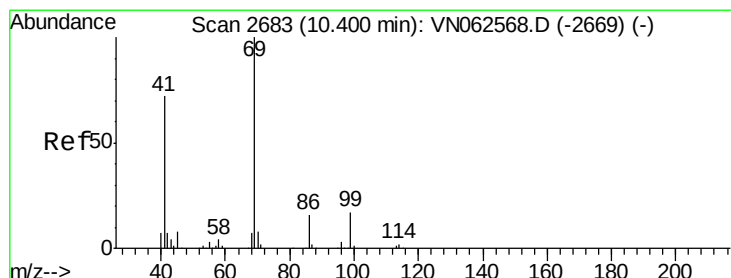
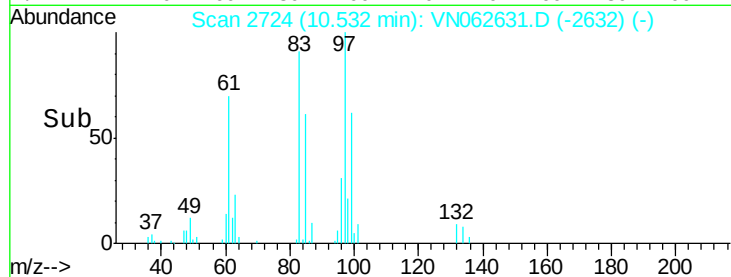
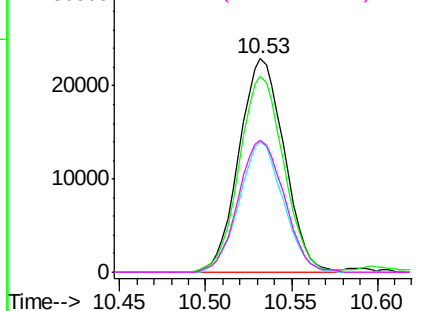


Abundance Ion 96.90 (96.60 to 97.60): VN062631.D (-2632) (-)

Ion 82.90 (82.60 to 83.60): VN062631.D (-2632) (-)

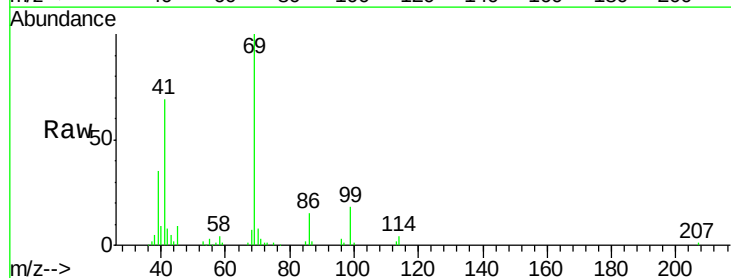
Ion 84.90 (84.60 to 85.60): VN062631.D (-2632) (-)

Ion 98.90 (98.60 to 99.60): VN062631.D (-2632) (-)



#56
 Ethyl methacrylate
 Concen: 19.175 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

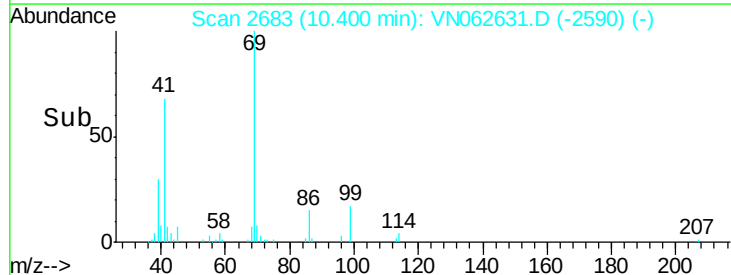
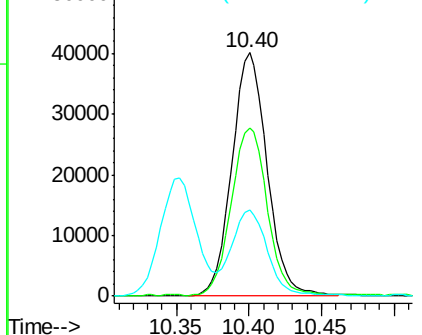
Tgt Ion:	69	Resp:	67822
Ion	Ratio	Lower	Upper
69	100		
41	71.4	57.2	85.8
39	36.2	28.6	43.0

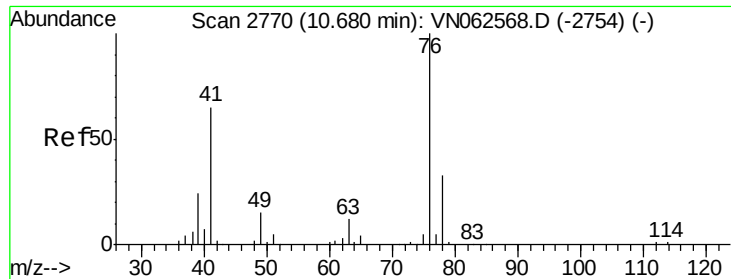


Abundance Ion 69.00 (68.70 to 69.70): VN062631.D (-2590) (-)

Ion 41.00 (40.70 to 41.70): VN062631.D (-2590) (-)

Ion 39.00 (38.70 to 39.70): VN062631.D (-2590) (-)





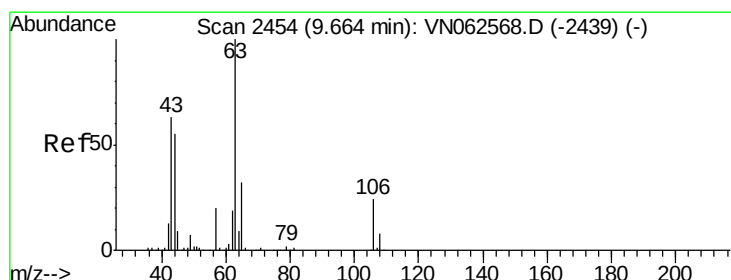
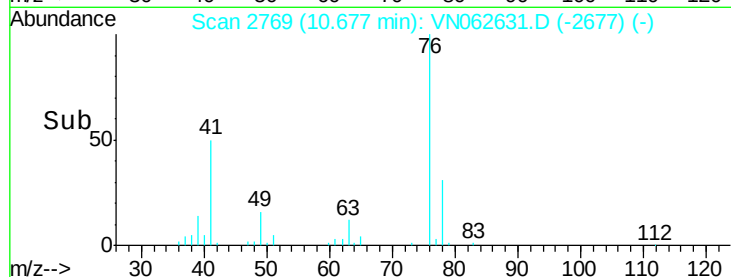
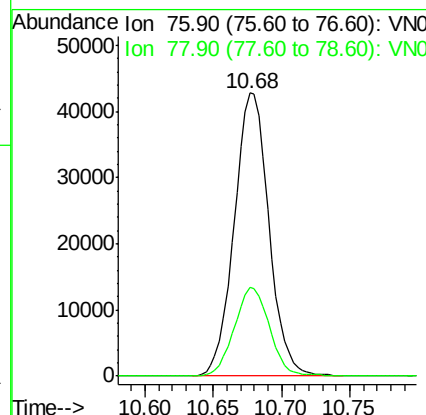
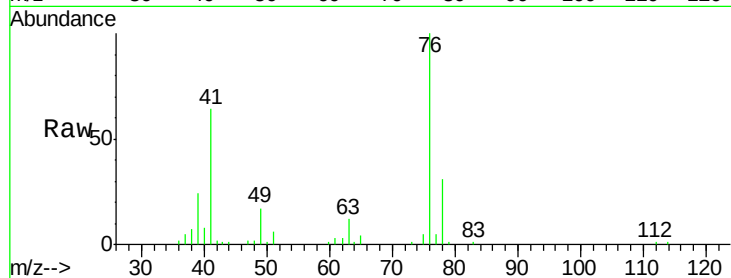
#57
 1,3-Dichloropropane
 Concen: 19.718 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0728MBS01

Tgt Ion: 76 Resp: 75617
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.3 39.5

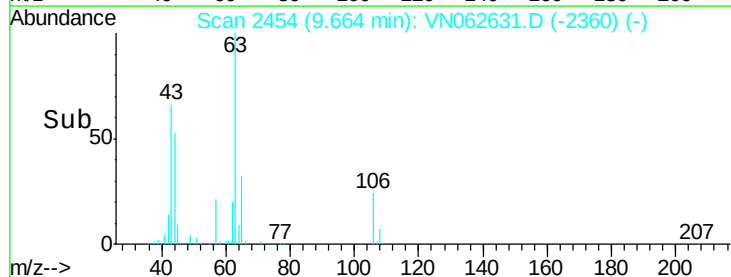
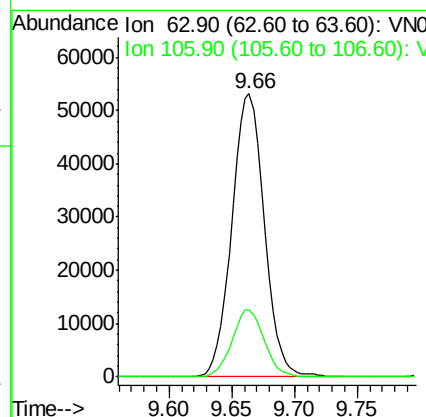
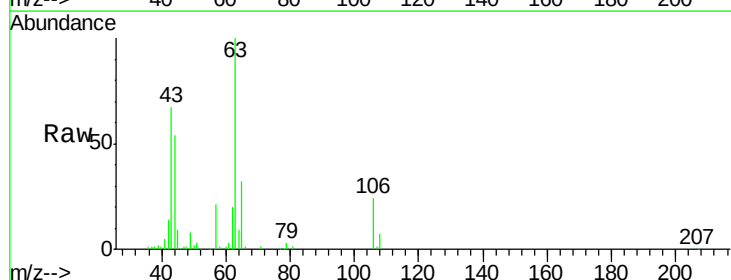
Manual Integrations
 APPROVED

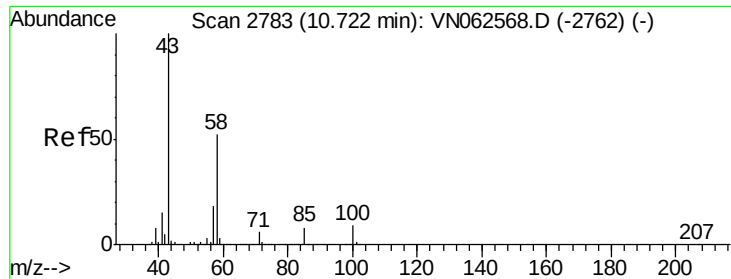
MMDadoda
 7/29/2020 7:06:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.478 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Tgt Ion: 63 Resp: 95634
 Ion Ratio Lower Upper
 63 100
 106 23.5 18.9 28.3





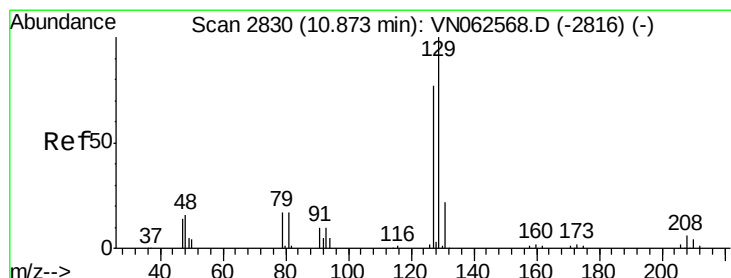
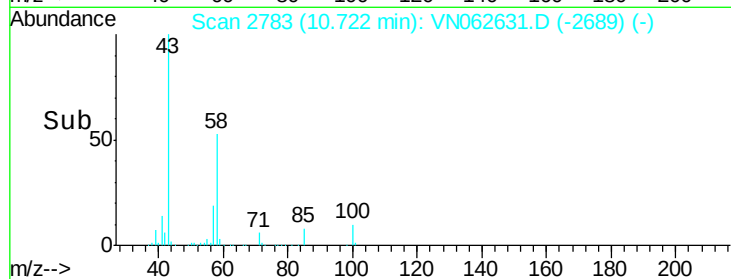
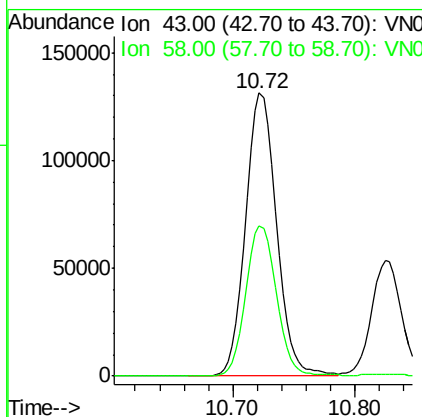
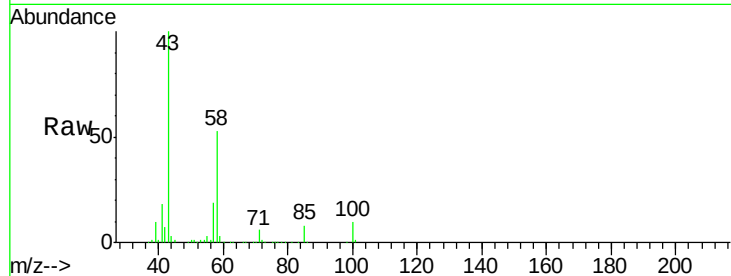
#59
2-Hexanone
Concen: 94.865 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampled :
VN0728MBS01

Tgt Ion: 43 Resp: 229582
Ion Ratio Lower Upper
43 100
58 52.8 26.0 78.0

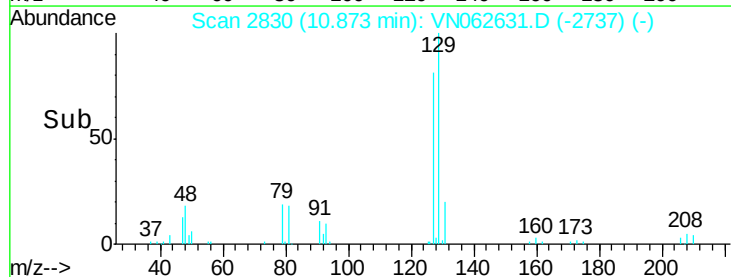
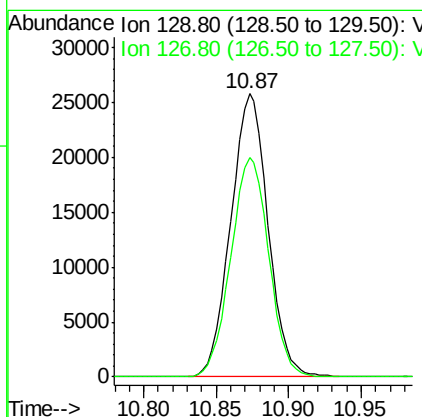
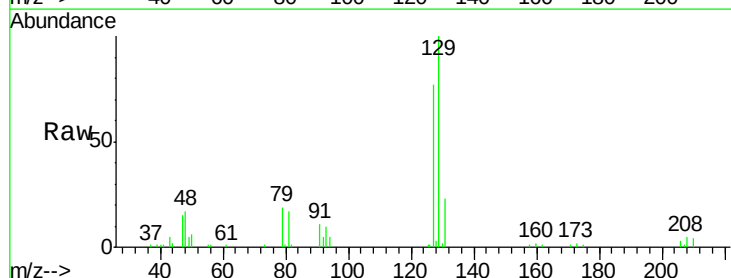
Manual Integrations
APPROVED

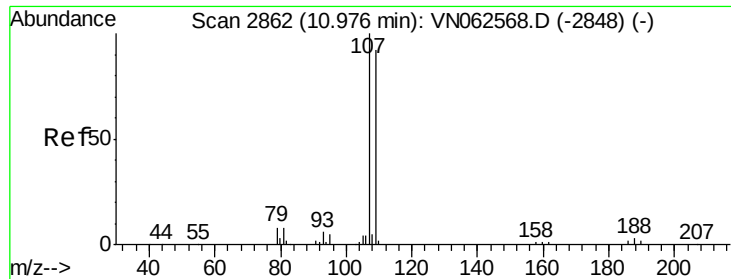
MMDadoda
7/29/2020 7:06:22 PM



#60
Dibromochloromethane
Concen: 19.725 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion: 129 Resp: 46061
Ion Ratio Lower Upper
129 100
127 78.7 38.0 113.9





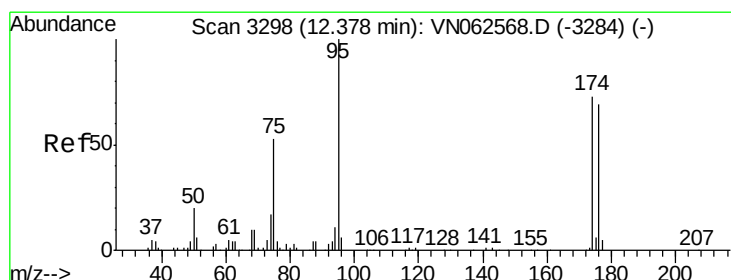
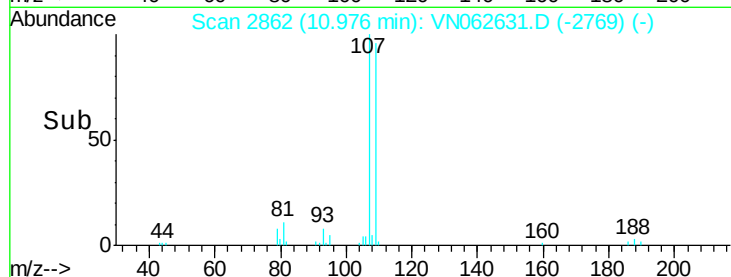
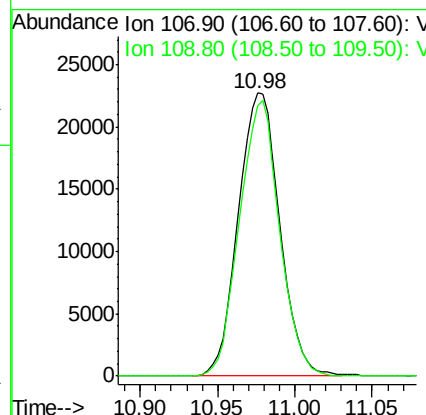
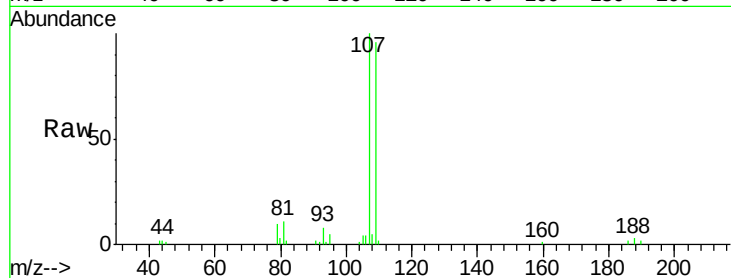
#61
 1,2-Dibromoethane
 Concen: 19.393 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0728MBS01

Tgt Ion: 107 Resp: 42270
 Ion Ratio Lower Upper
 107 100
 109 94.2 73.8 110.6

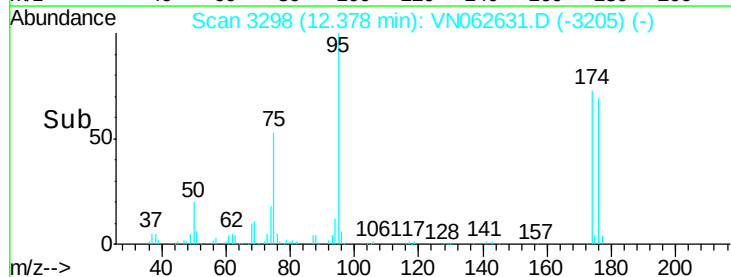
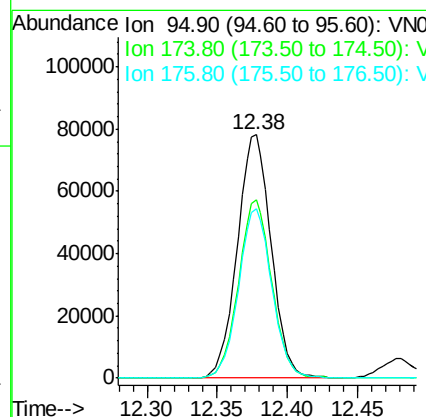
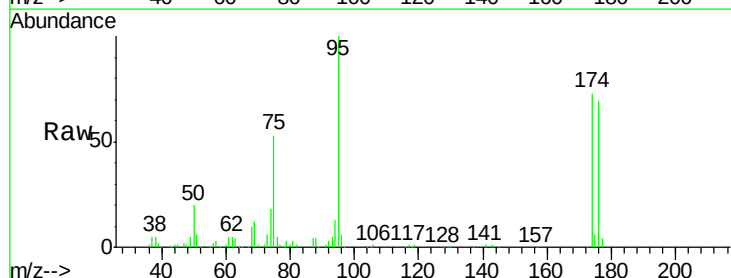
Manual Integrations
 APPROVED

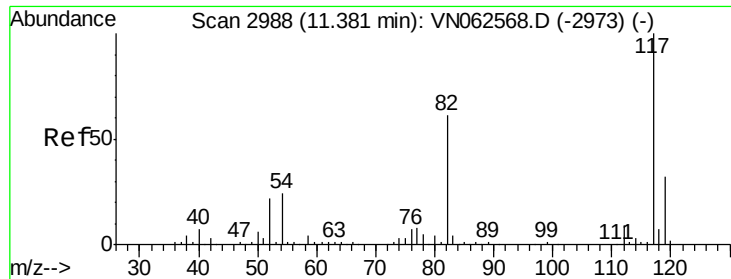
MMDadoda
 7/29/2020 7:06:22 PM



#62
 4-Bromofluorobenzene
 Concen: 47.614 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Tgt Ion: 95 Resp: 131407
 Ion Ratio Lower Upper
 95 100
 174 71.8 0.0 144.6
 176 68.4 0.0 139.4





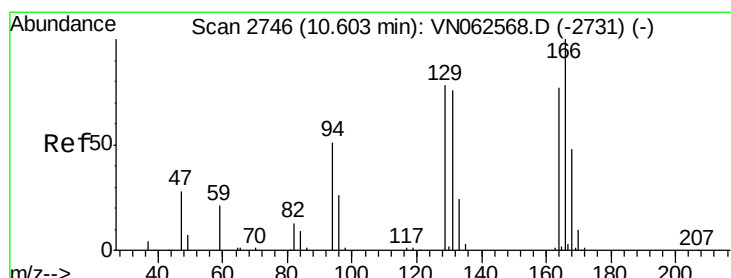
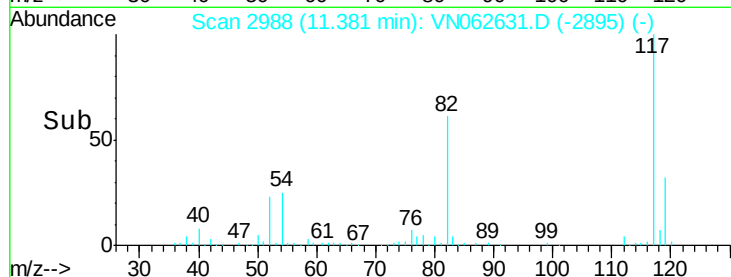
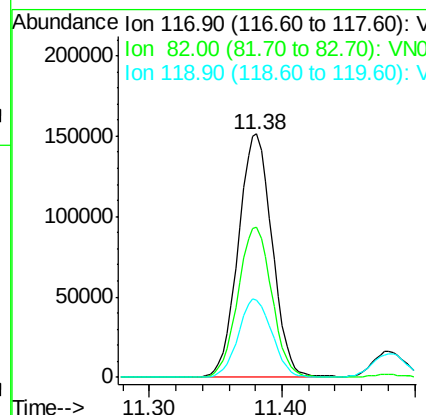
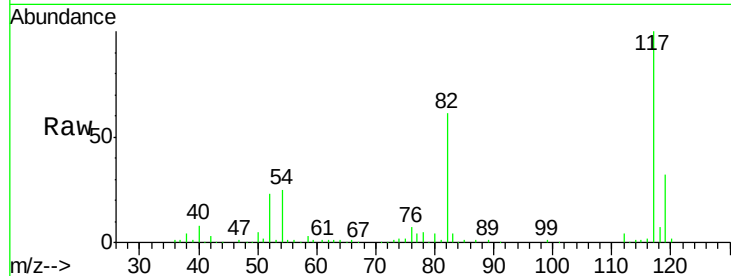
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampleId :
VN0728MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	268208		
82	61.5	49.0	73.6	
119	31.9	25.4	38.2	

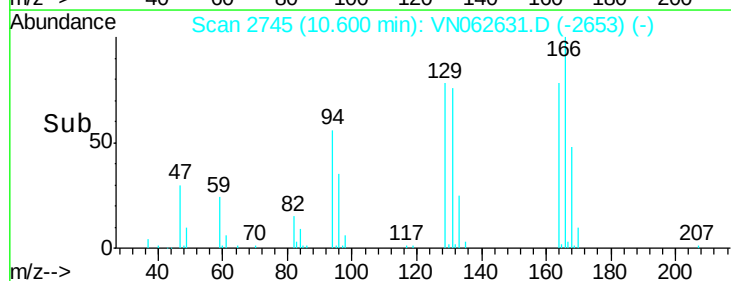
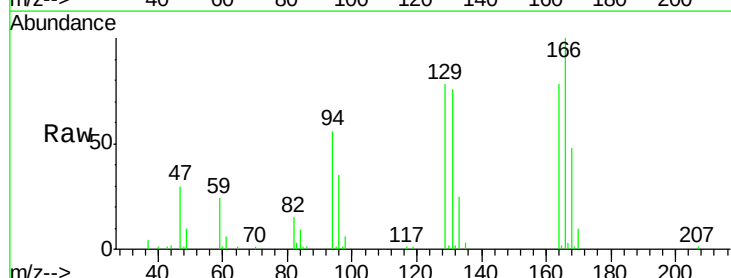
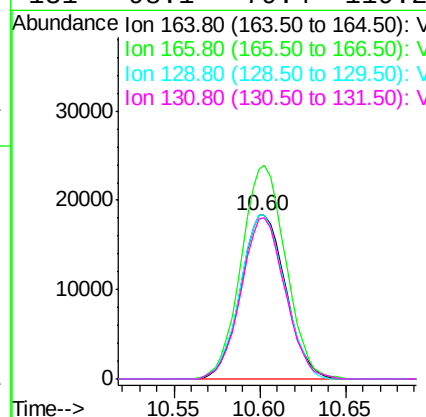
Manual Integrations
APPROVED

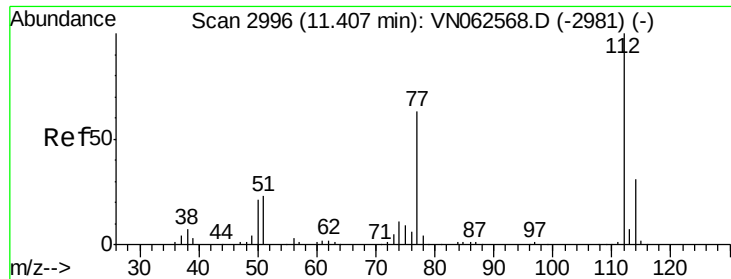
MMDadoda
7/29/2020 7:06:22 PM



#64
Tetrachloroethene
Concen: 19.177 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33419		
166	128.4	104.4	156.6	
129	100.1	81.0	121.4	
131	98.1	79.4	119.2	





#65

Chlorobenzene

Concen: 19.373 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

VN0728MBS01

Tgt Ion:112 Resp: 108932

Ion Ratio Lower Upper

112 100

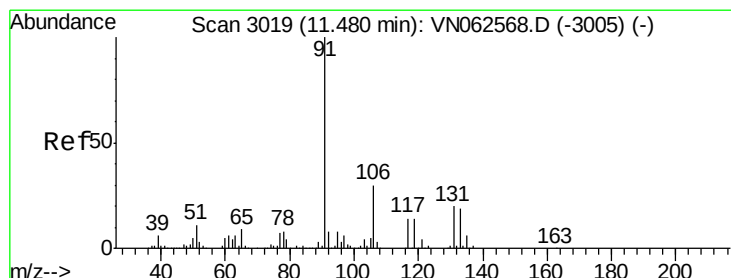
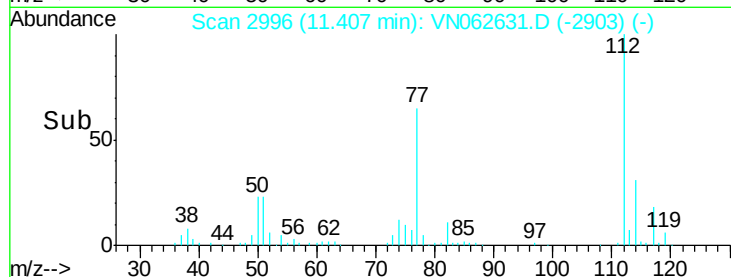
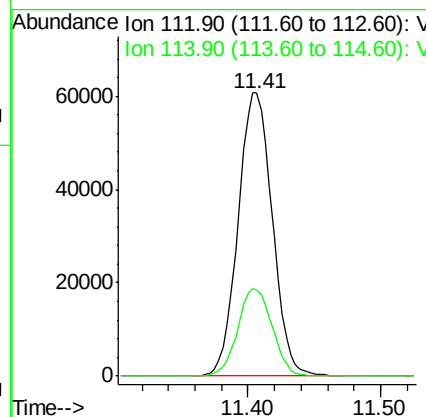
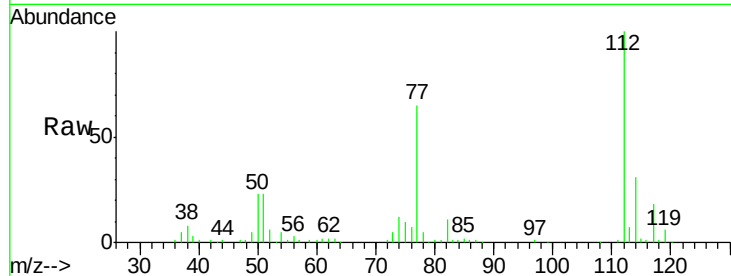
114 30.6 25.1 37.7

Manual Integrations

APPROVED

MMDadoda

7/29/2020 7:06:22 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.339 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

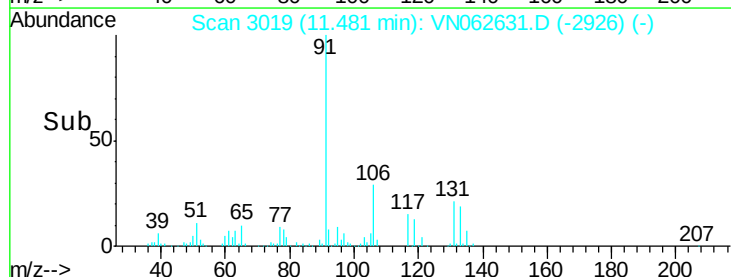
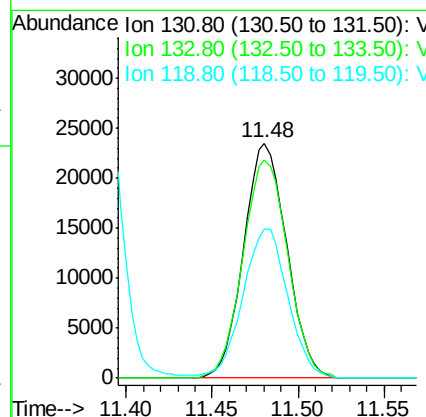
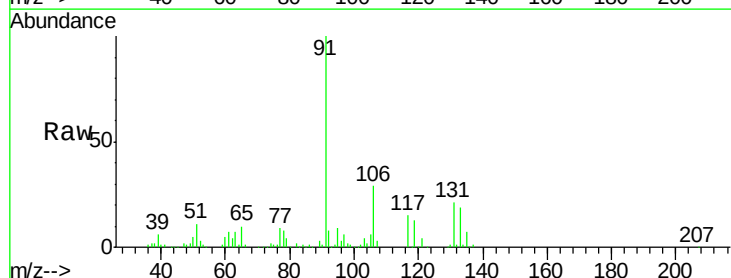
Tgt Ion:131 Resp: 40908

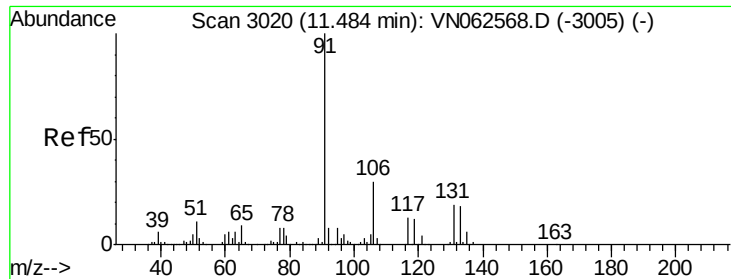
Ion Ratio Lower Upper

131 100

133 96.8 47.3 142.0

119 66.0 33.7 101.0





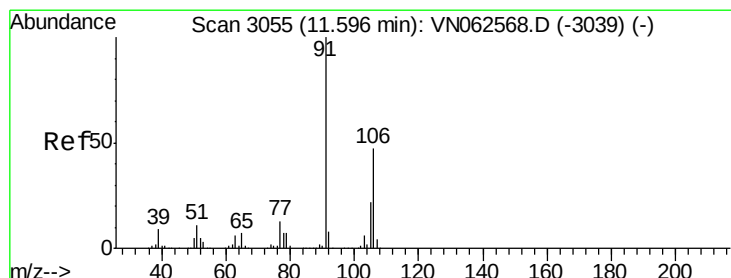
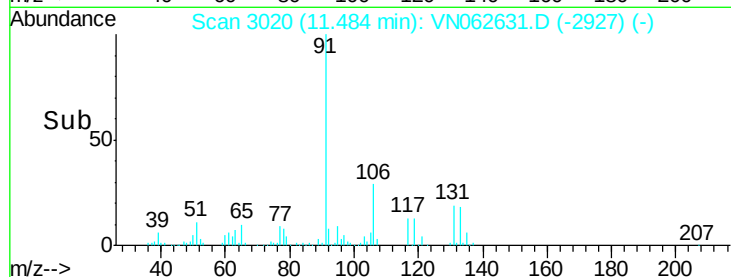
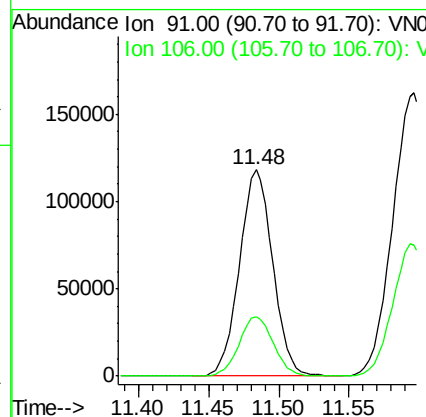
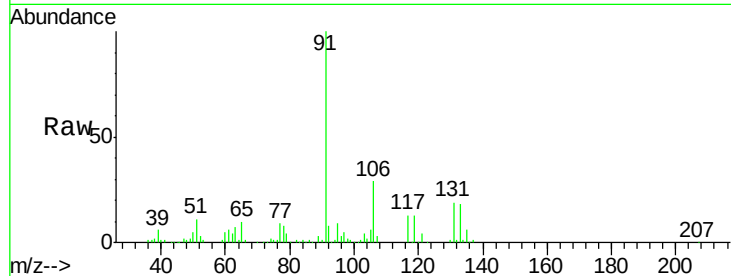
#67
Ethyl Benzene
Concen: 19.014 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampled :
VN0728MBS01

Tgt Ion: 91 Resp: 196027
Ion Ratio Lower Upper
91 100
106 29.0 23.8 35.8

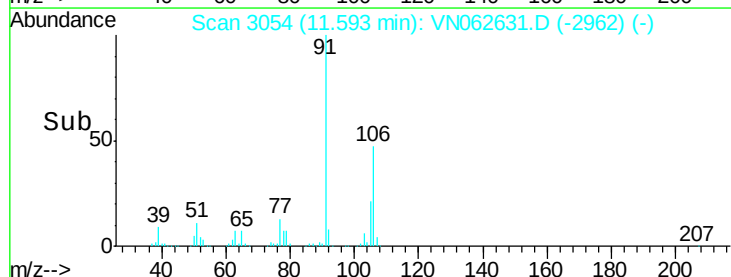
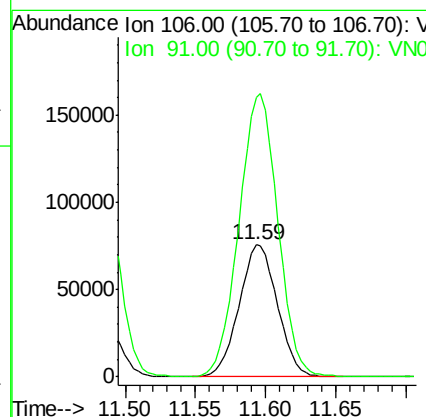
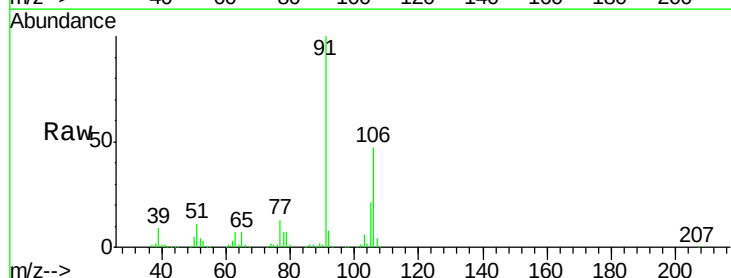
Manual Integrations
APPROVED

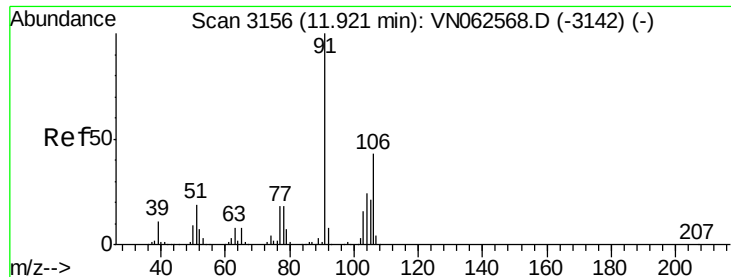
MMDadoda
7/29/2020 7:06:22 PM



#68
m/p-Xylenes
Concen: 38.884 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion: 106 Resp: 144084
Ion Ratio Lower Upper
106 100
91 216.5 171.4 257.2





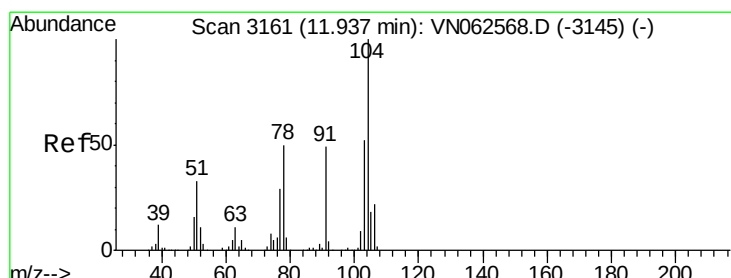
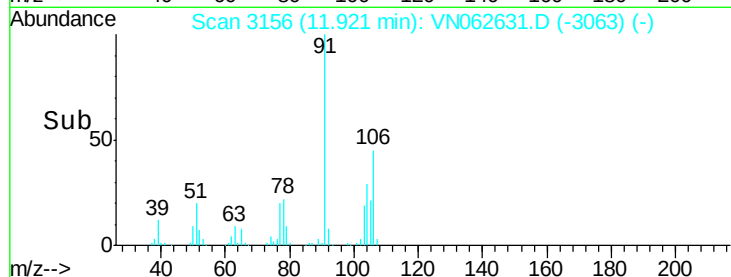
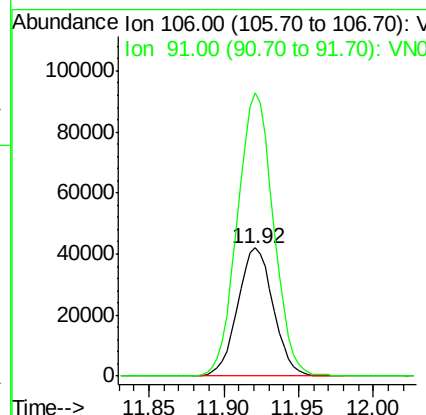
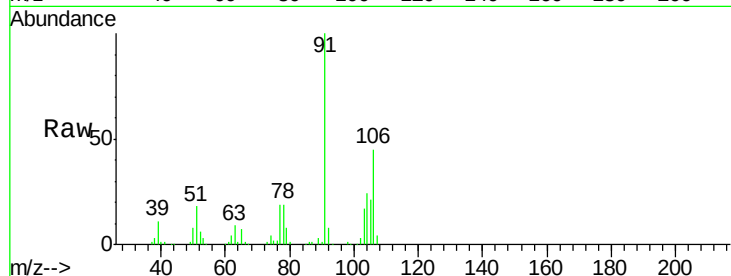
#69
o-Xylene
Concen: 19.800 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampleId :
VN0728MBS01

Tgt Ion:106 Resp: 69670
Ion Ratio Lower Upper
106 100
91 223.9 113.8 341.2

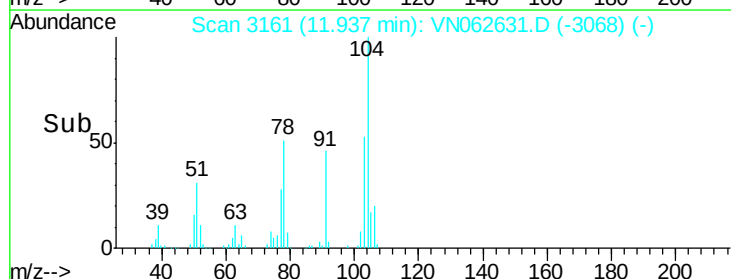
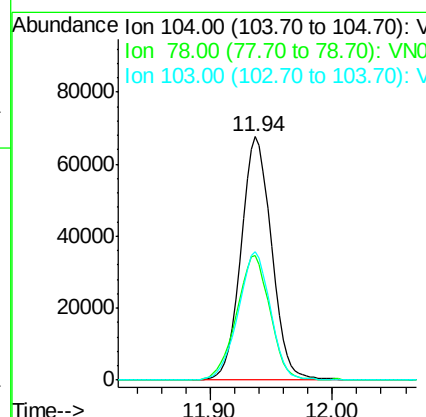
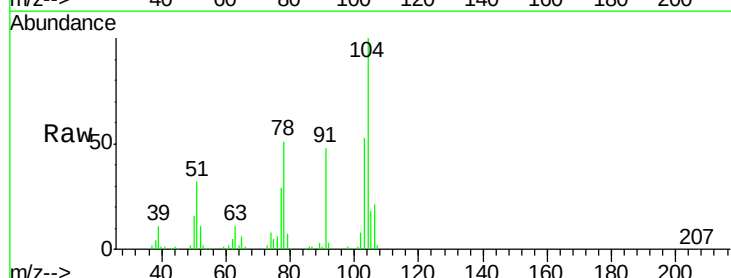
Manual Integrations
APPROVED

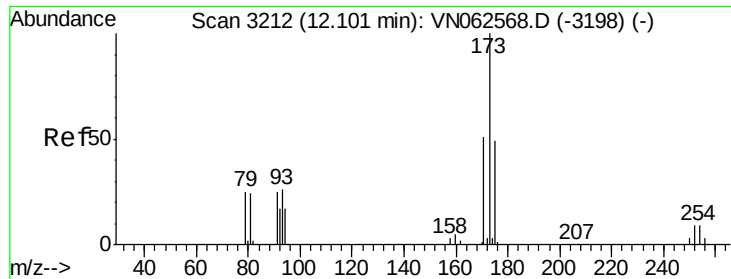
MMDadoda
7/29/2020 7:06:22 PM



#70
Styrene
Concen: 19.685 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion:104 Resp: 117011
Ion Ratio Lower Upper
104 100
78 56.1 43.8 65.6
103 55.9 44.0 66.0





#71

Bromoform

Concen: 20.211 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

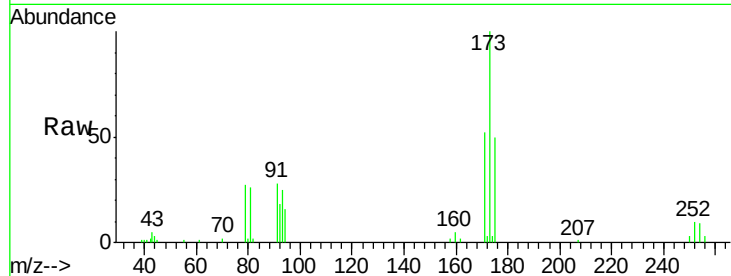
ClientSampleId :

VN0728MBS01

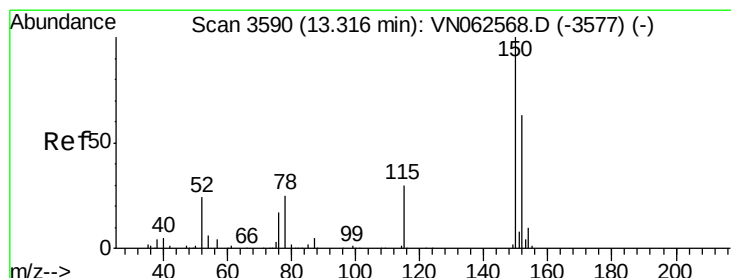
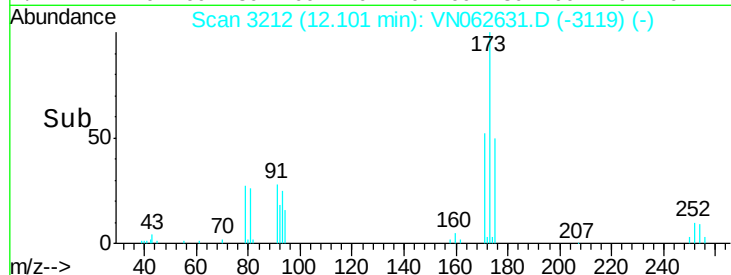
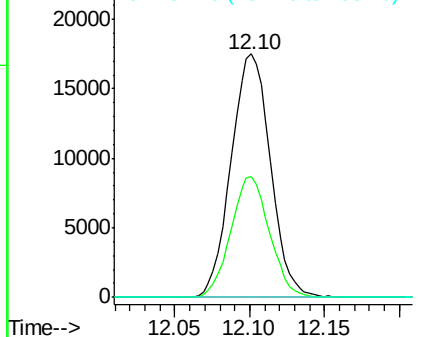
Tgt Ion:	173	Resp:	32100
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
7/29/2020 7:06:22 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

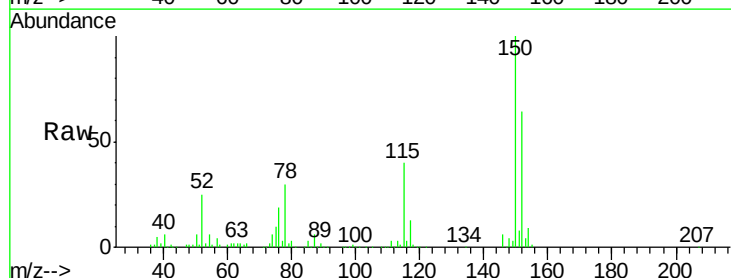
RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

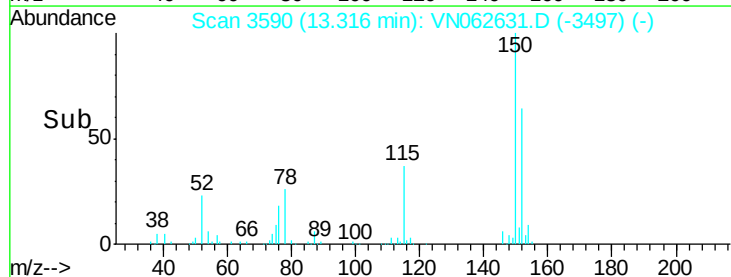
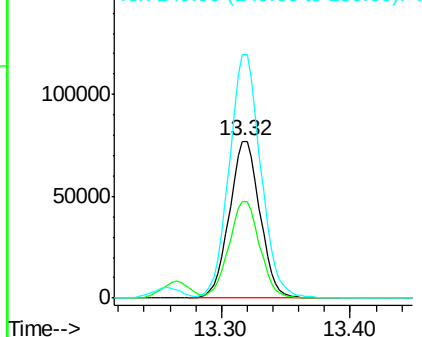
Lab File: VN062631.D

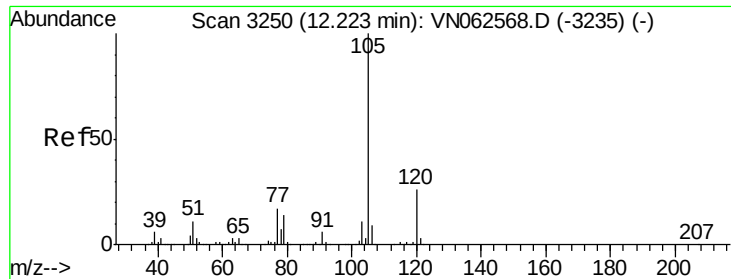
Acq: 28 Jul 2020 13:46

Tgt Ion:	152	Resp:	126582
Ion Ratio	Lower	Upper	
152	100		
115	62.6	31.8	95.4
150	160.5	0.0	351.4



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





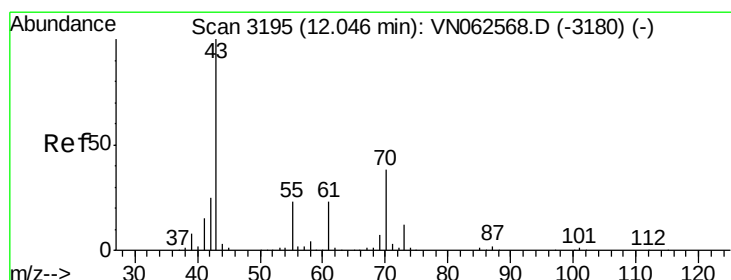
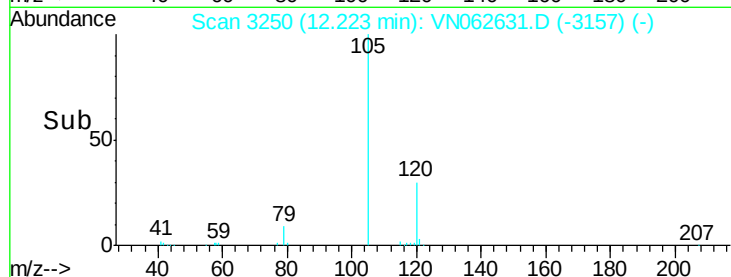
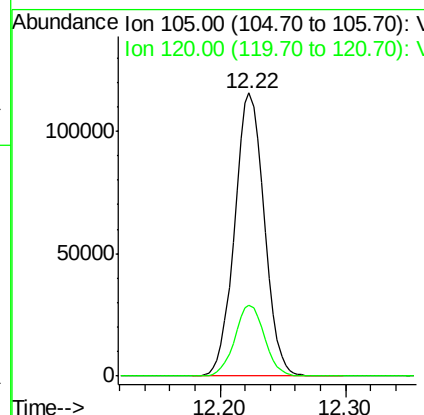
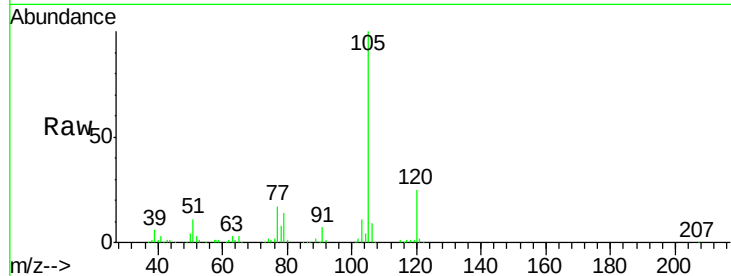
#73
Isopropylbenzene
Concen: 18.923 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampleId :
VN0728MBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.8	38.4

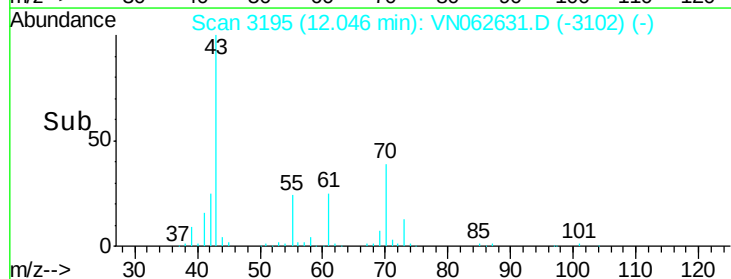
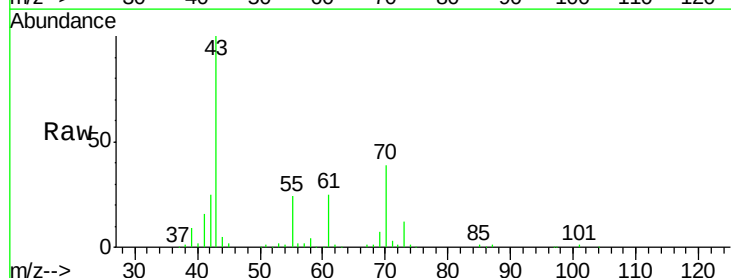
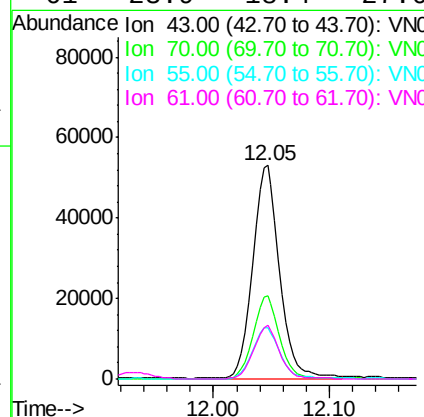
Manual Integrations
APPROVED

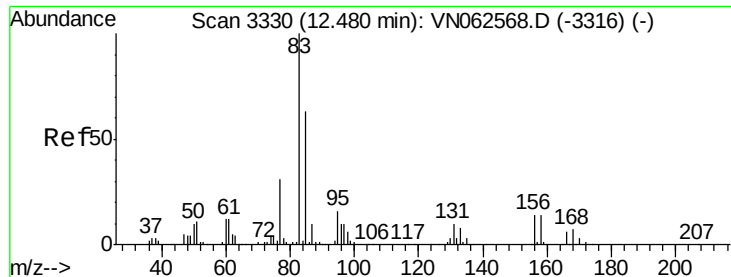
MMDadoda
7/29/2020 7:06:22 PM



#74
N-ethyl acetate
Concen: 19.433 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.5	30.5	45.7
55	24.4	19.0	28.6
61	23.9	18.4	27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.509 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

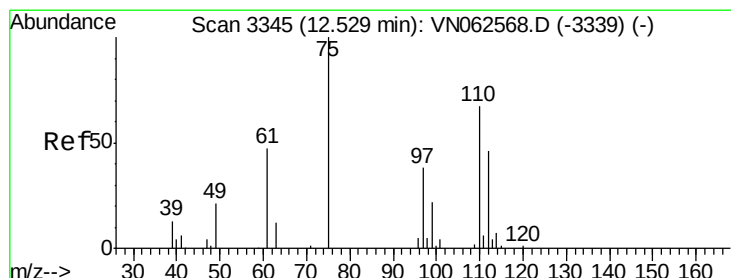
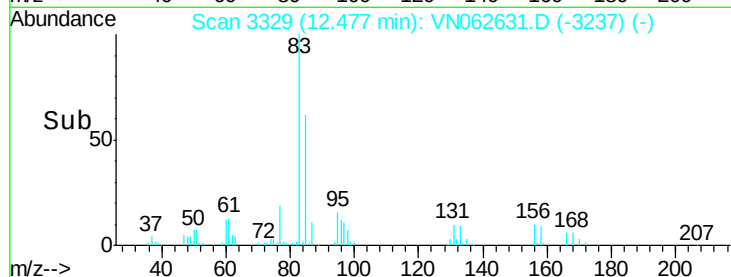
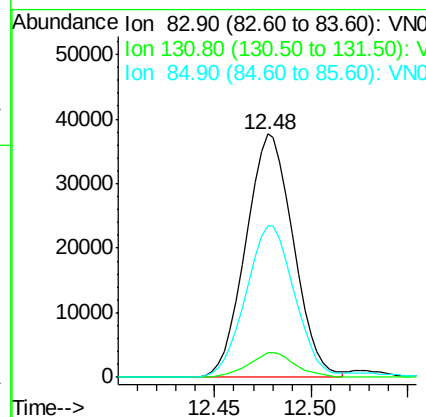
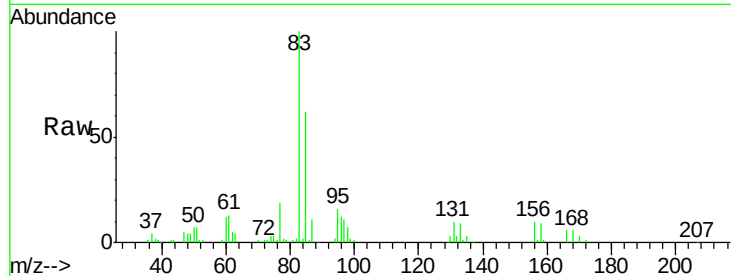
ClientSampleId :

VN0728MBS01

Tgt Ion:	83	Resp:	64375
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.3
85	64.0	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
7/29/2020 7:06:22 PM



#76

1,2,3-Trichloropropane

Concen: 19.204 ug/l m

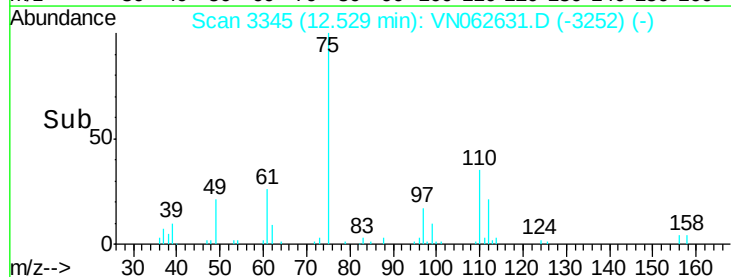
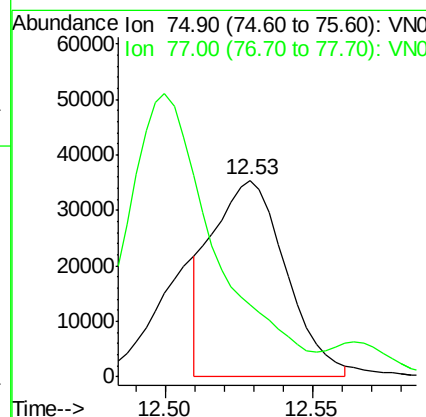
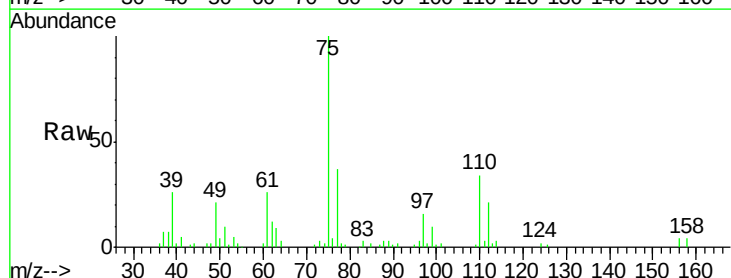
RT: 12.53 min Scan# 3345

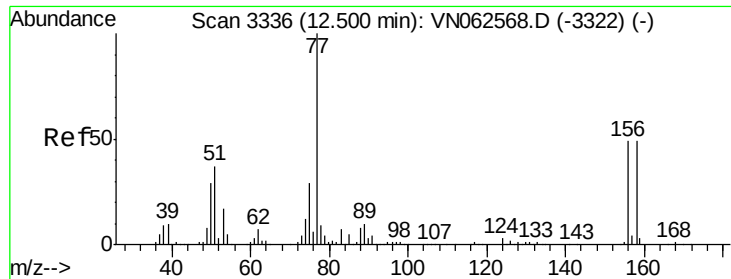
Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Tgt Ion:	75	Resp:	61873
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.560 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

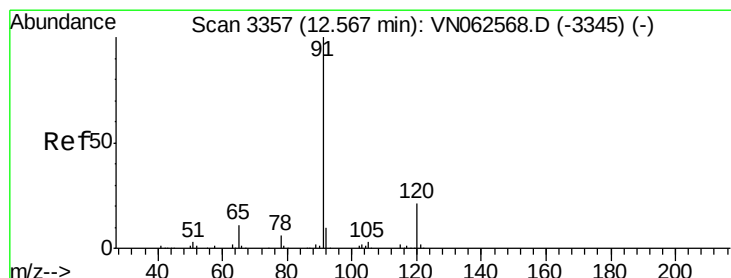
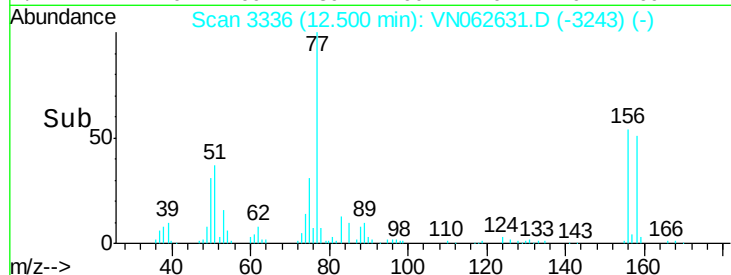
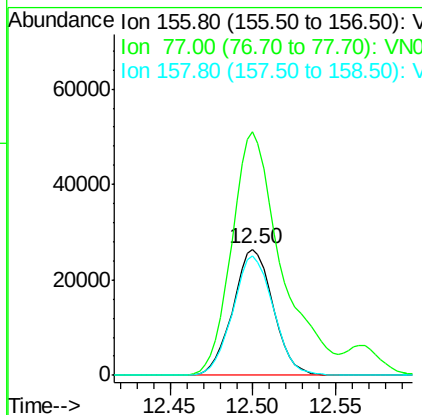
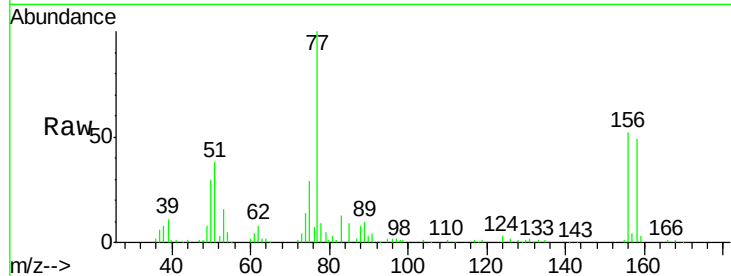
ClientSampleId :

VN0728MBS01

Tgt Ion:	156	Resp:	44642
Ion Ratio	Lower	Upper	
156	100		
77	238.7	122.8	368.3
158	96.0	49.4	148.0

Manual Integrations
APPROVED

MMDadoda
7/29/2020 7:06:22 PM



#78

n-propylbenzene

Concen: 18.898 ug/l

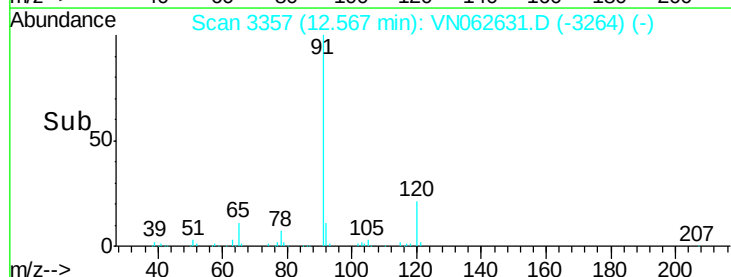
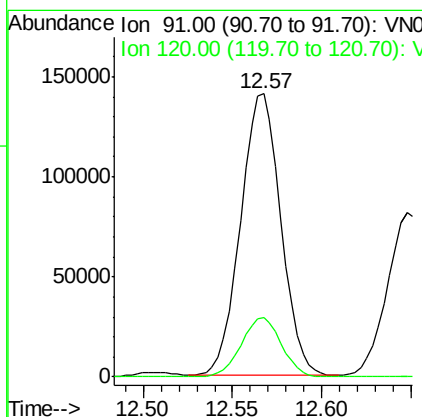
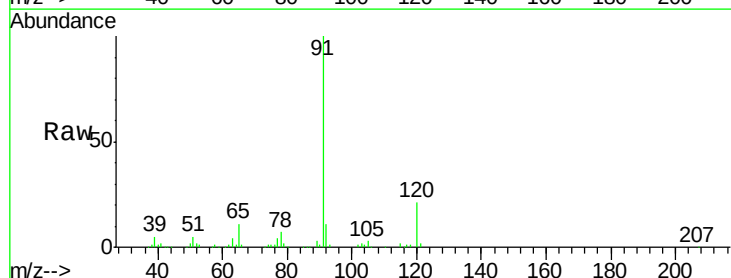
RT: 12.57 min Scan# 3357

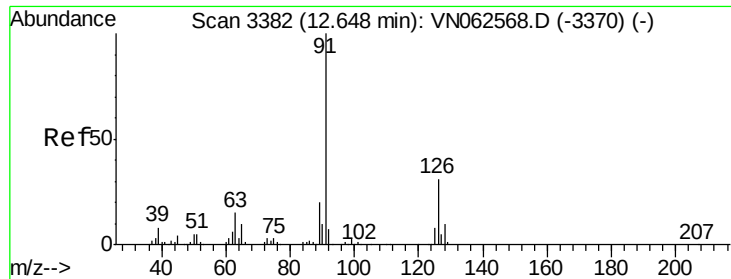
Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Tgt Ion:	91	Resp:	221558
Ion Ratio	Lower	Upper	
91	100		
120	21.0	10.9	32.6





#79

2-Chlorotoluene

Concen: 18.536 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

VN0728MBS01

Tgt Ion: 91 Resp: 133930

Ion Ratio Lower Upper

91 100

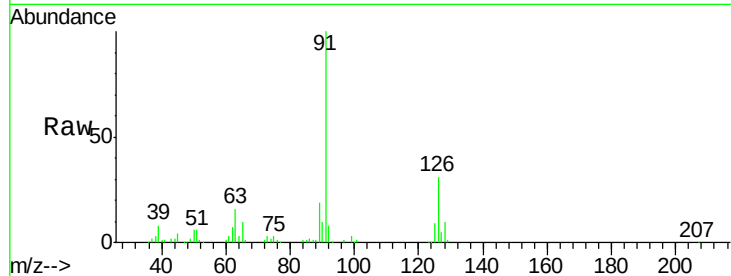
126 31.8 15.9 47.6

Manual Integrations

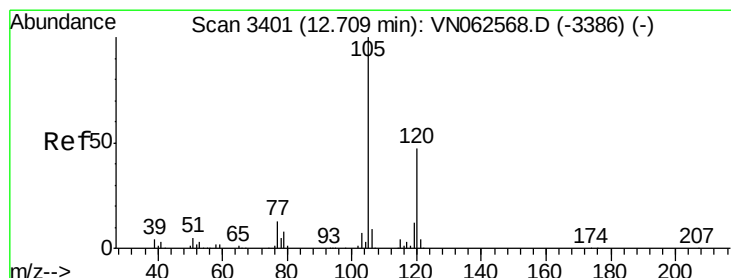
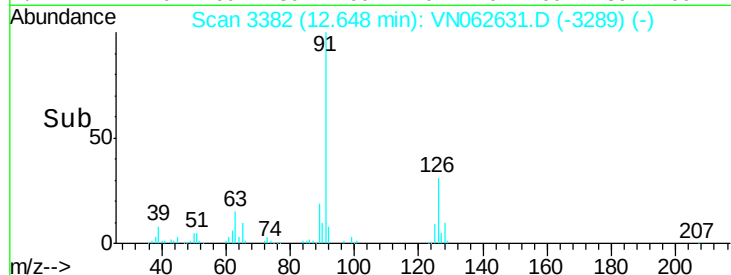
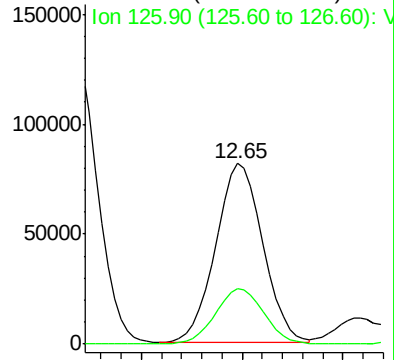
APPROVED

MMDadoda

7/29/2020 7:06:22 PM



Abundance Ion 91.00 (90.70 to 91.70): VN062631.D (-3289) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.689 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062631.D

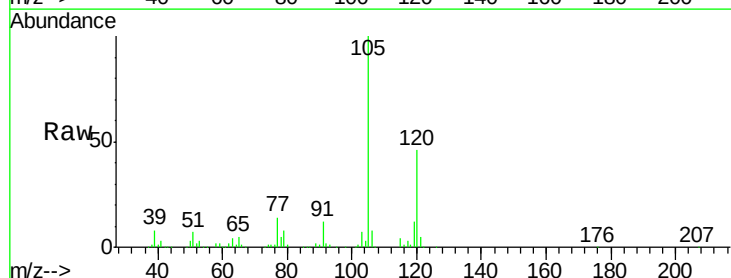
Acq: 28 Jul 2020 13:46

Tgt Ion: 105 Resp: 163469

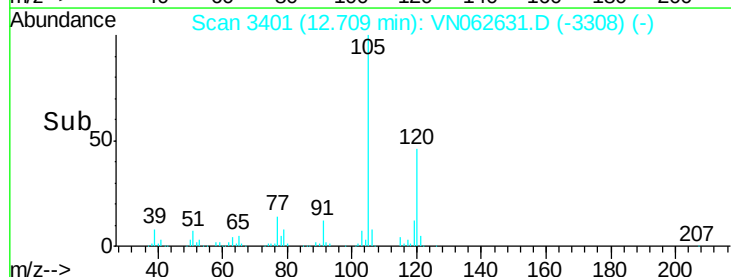
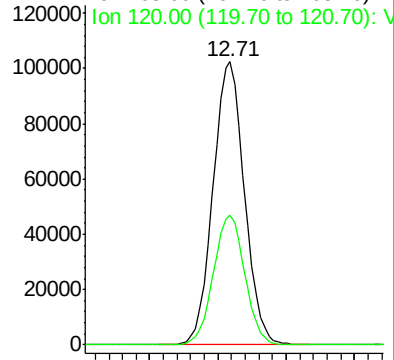
Ion Ratio Lower Upper

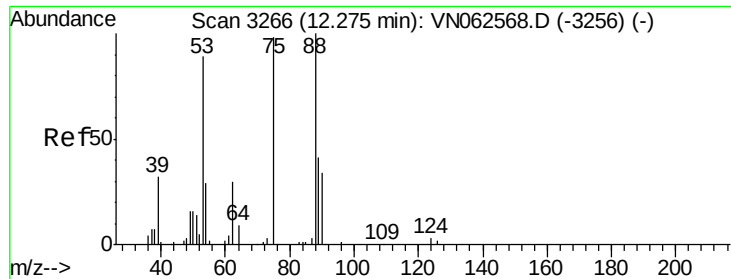
105 100

120 45.8 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): VN062631.D (-3308) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.903 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

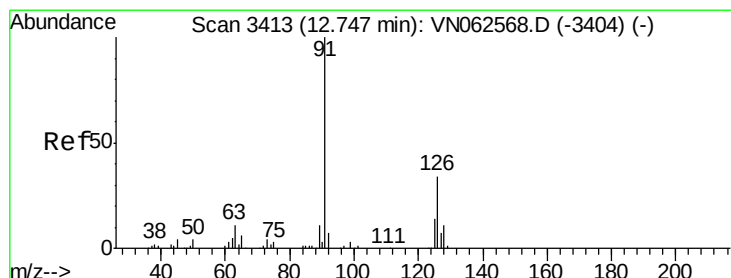
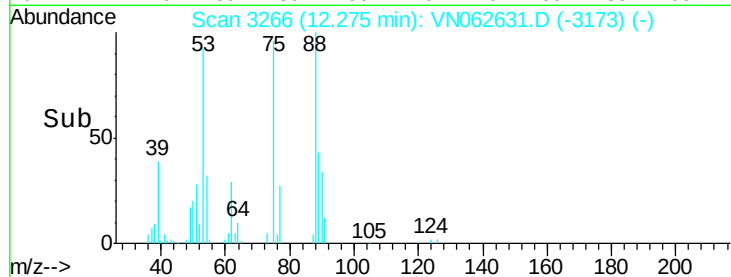
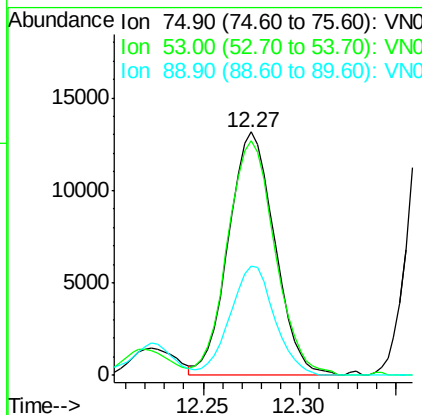
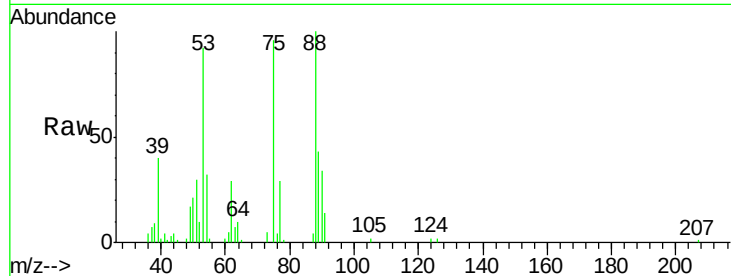
ClientSampleId :

VN0728MBS01

Tgt Ion:	75	Resp:	21879
Ion	Ratio	Lower	Upper
75	100		
53	99.3	75.4	113.0
89	43.2	34.5	51.7

Manual Integrations
APPROVED

MMDadoda
7/29/2020 7:06:22 PM



#82

4-Chlorotoluene

Concen: 18.502 ug/l

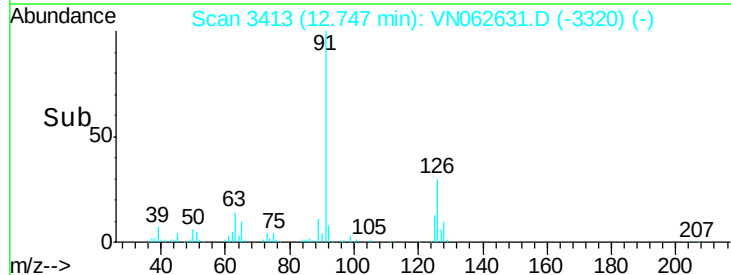
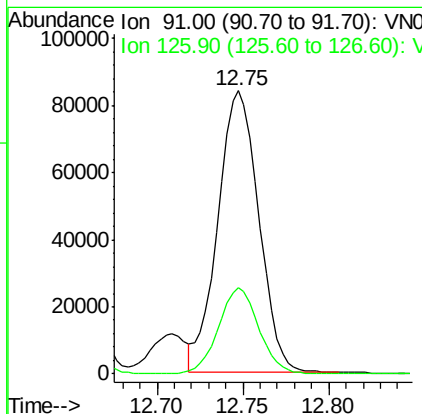
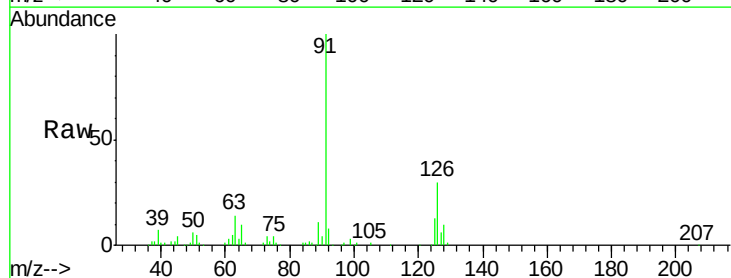
RT: 12.75 min Scan# 3413

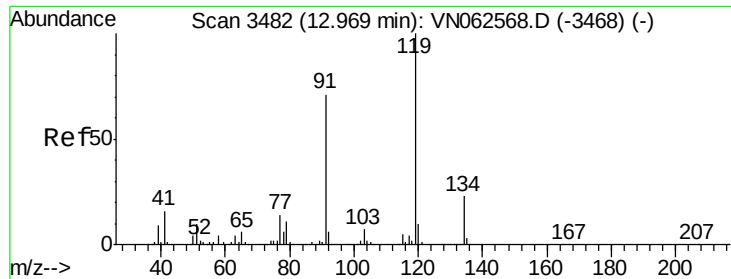
Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Tgt Ion:	91	Resp:	139149
Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.4	46.4





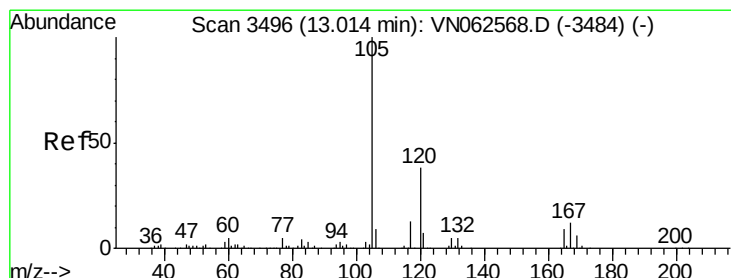
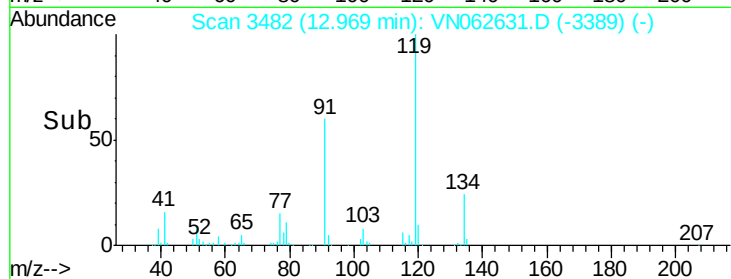
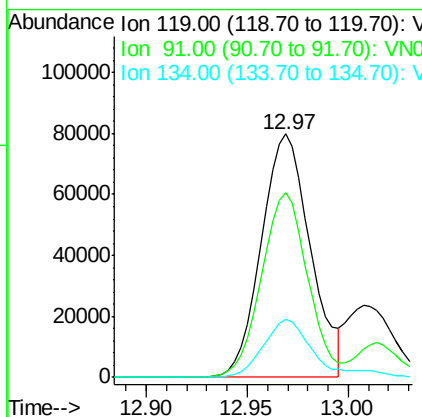
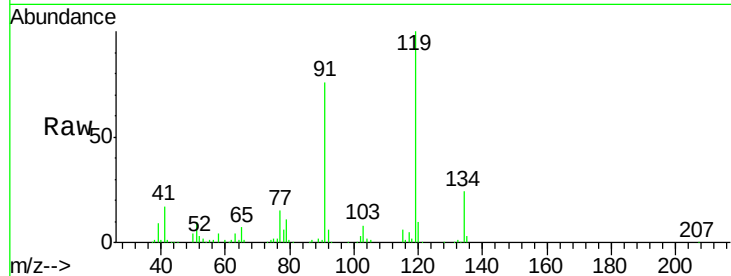
#83
 tert-Butylbenzene
 Concen: 19.627 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0728MBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	71.7	34.6	103.8
134	24.5	11.5	34.4

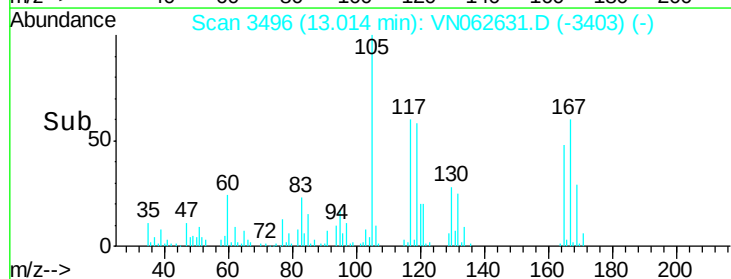
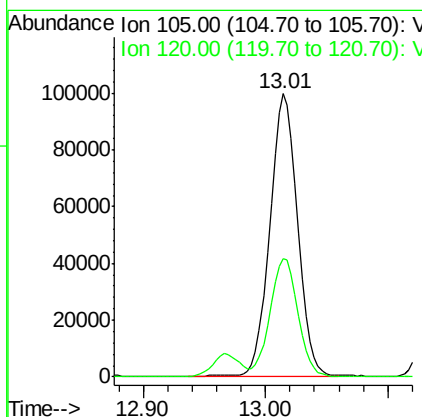
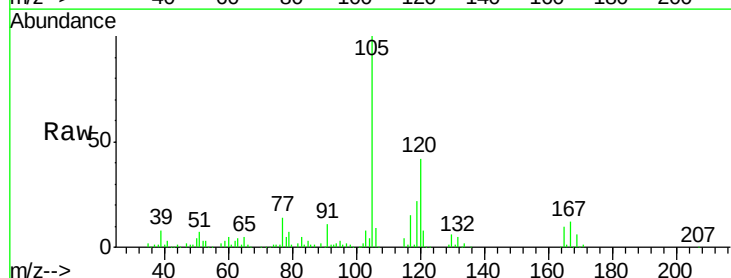
Manual Integrations
 APPROVED

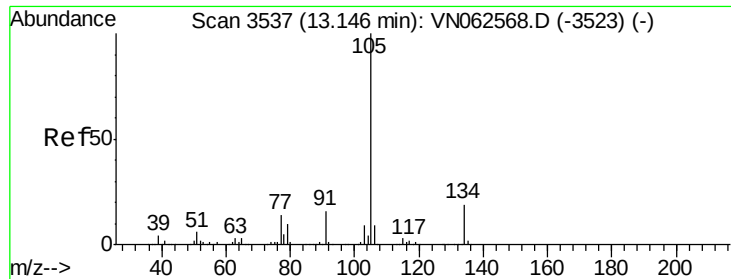
MMDadoda
 7/29/2020 7:06:22 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.601 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.2	22.1	66.3





#85

sec-Butylbenzene

Concen: 19.381 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

VN0728MBS01

Tgt Ion:105 Resp: 178879

Ion Ratio Lower Upper

105 100

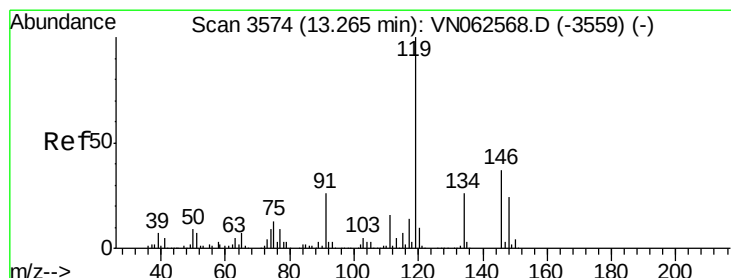
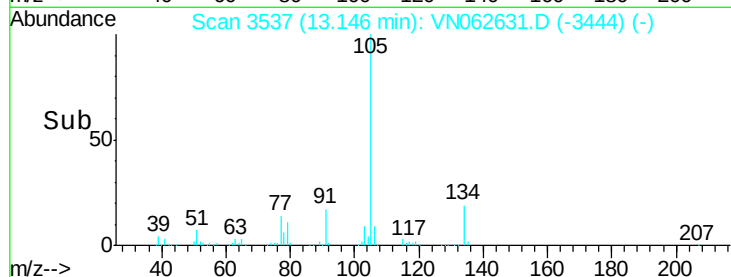
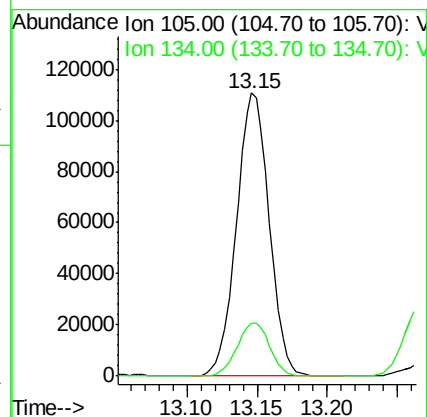
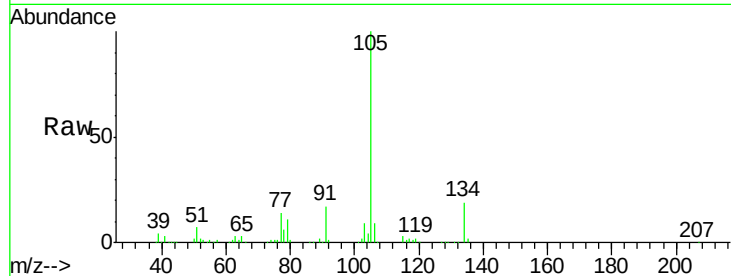
134 18.9 9.5 28.5

Manual Integrations

APPROVED

MMDadoda

7/29/2020 7:06:22 PM



#86

p-Isopropyltoluene

Concen: 19.950 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062631.D

Acq: 28 Jul 2020 13:46

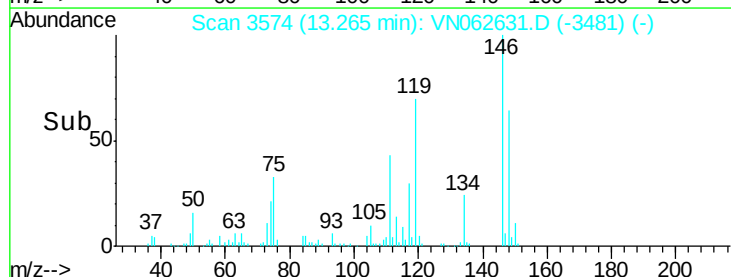
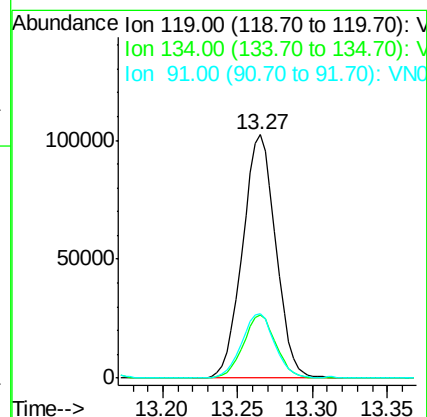
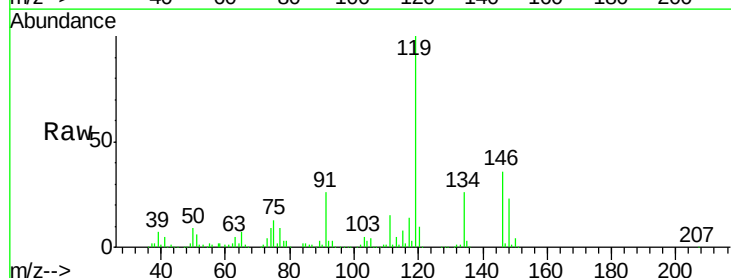
Tgt Ion:119 Resp: 158364

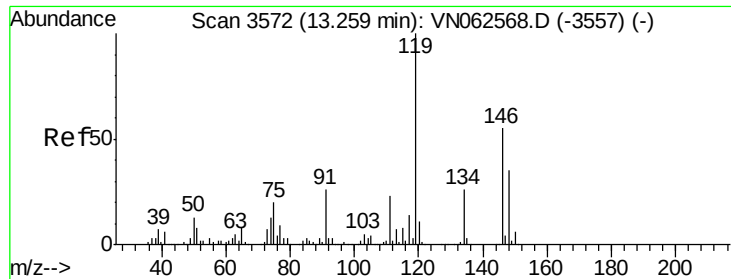
Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.4

91 26.6 12.7 38.1





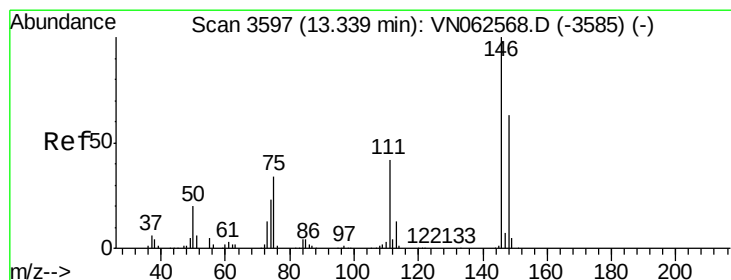
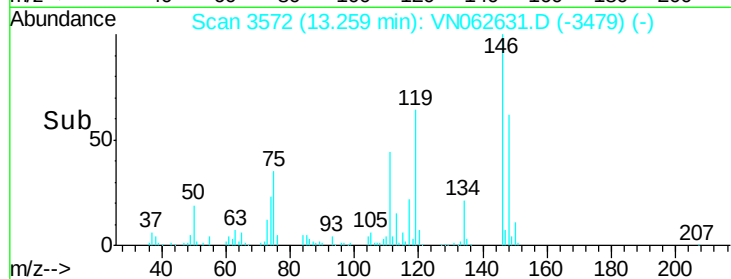
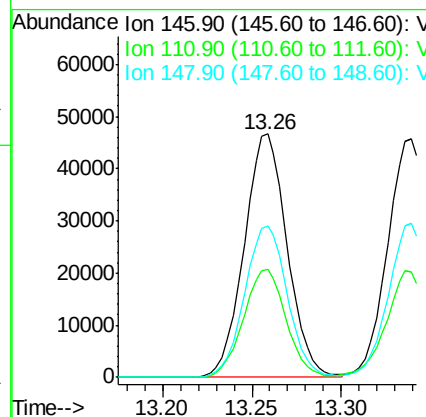
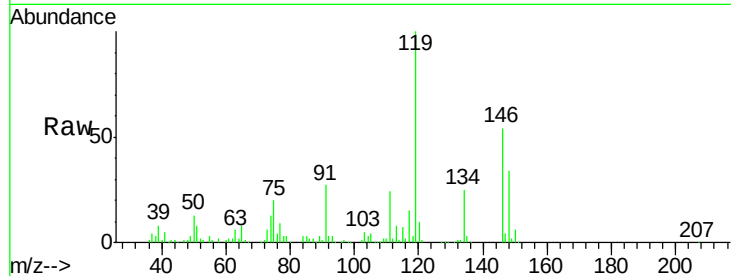
#87
 1,3-Dichlorobenzene
 Concen: 18.528 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0728MBS01

Tgt Ion:146 Resp: 78209
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.6 64.6
 148 62.1 31.8 95.4

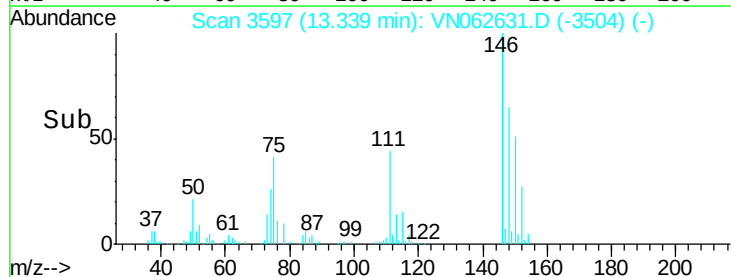
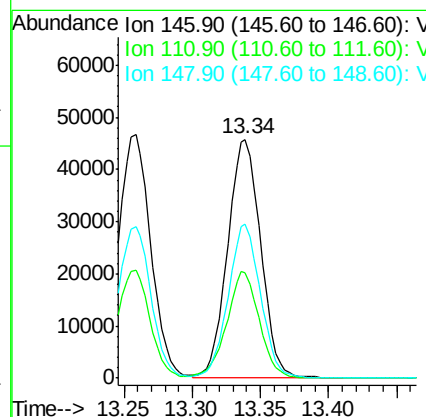
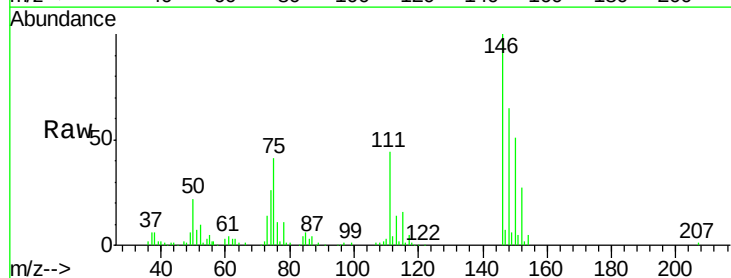
Manual Integrations
 APPROVED

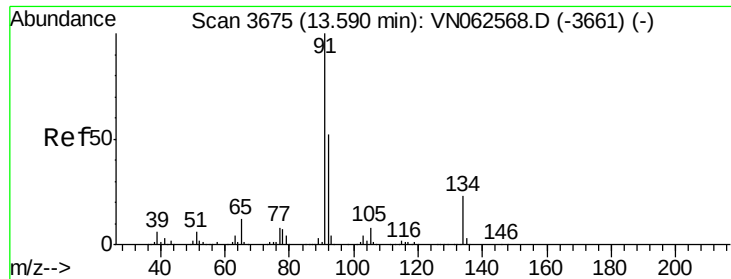
MMDadoda
 7/29/2020 7:06:22 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.623 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Tgt Ion:146 Resp: 77381
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.1 63.1
 148 63.1 31.6 94.8





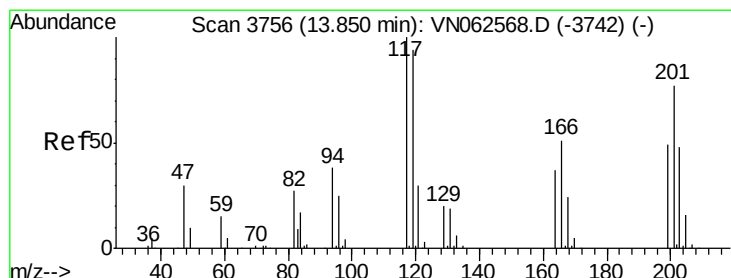
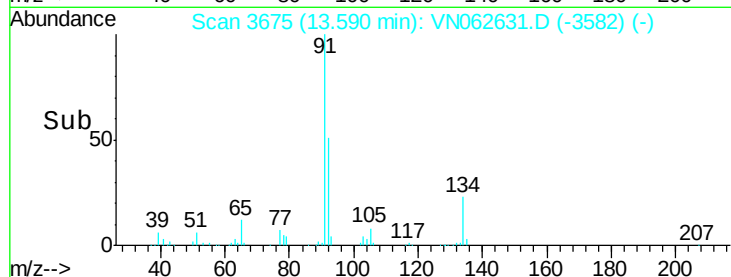
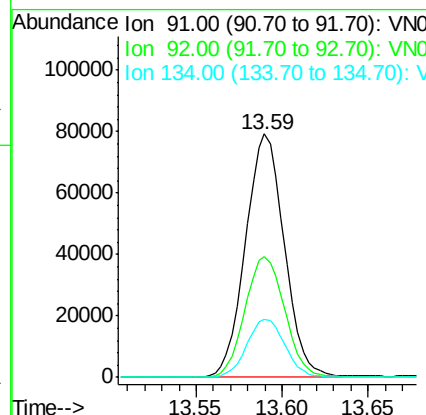
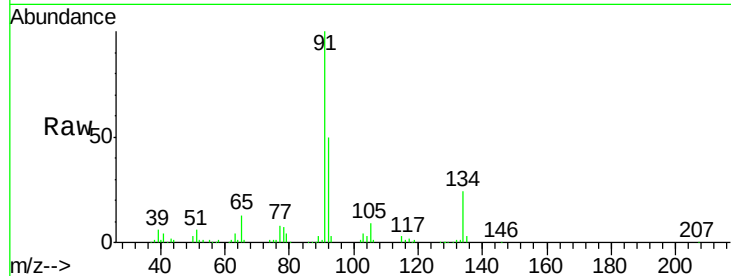
#89
n-Butylbenzene
Concen: 18.241 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampleId :
VN0728MBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.8	77.3
134	23.7	11.8	35.3

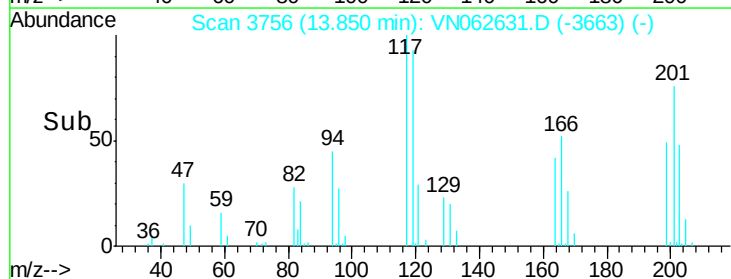
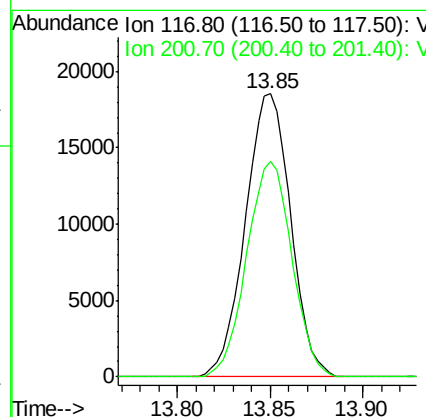
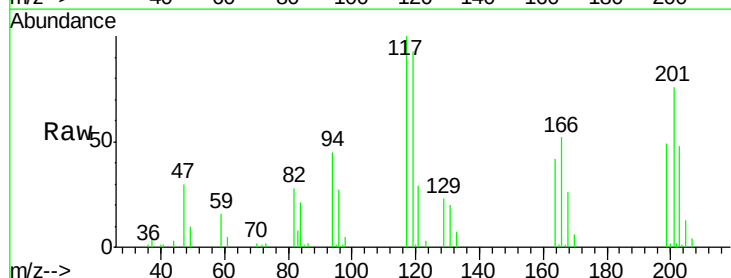
Manual Integrations
APPROVED

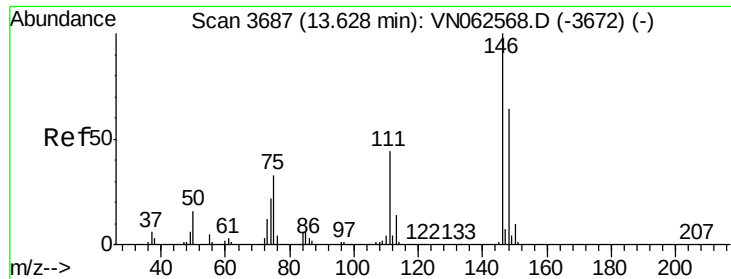
MMDadoda
7/29/2020 7:06:22 PM



#90
Hexachloroethane
Concen: 18.689 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.9	39.2	117.6





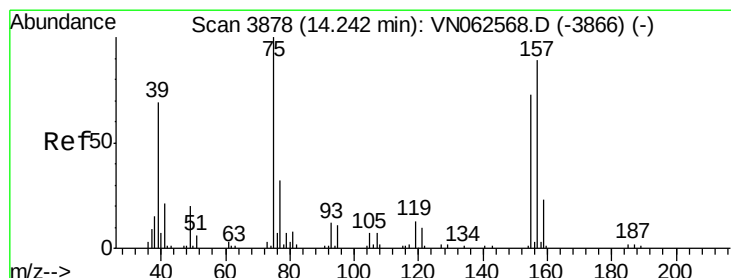
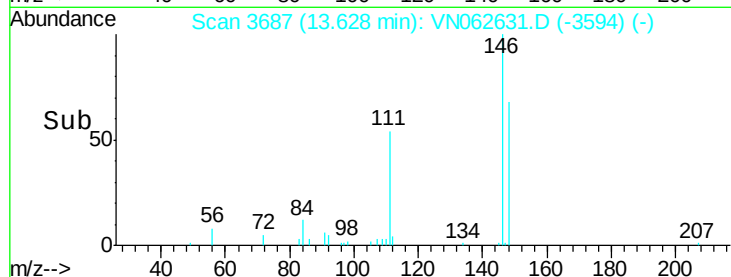
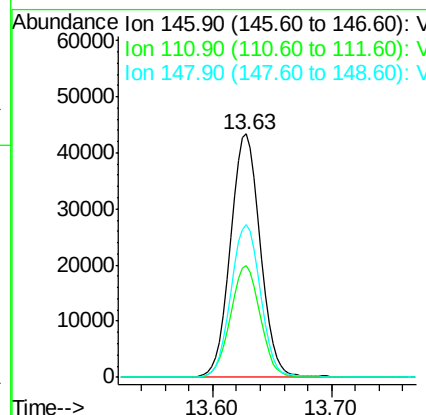
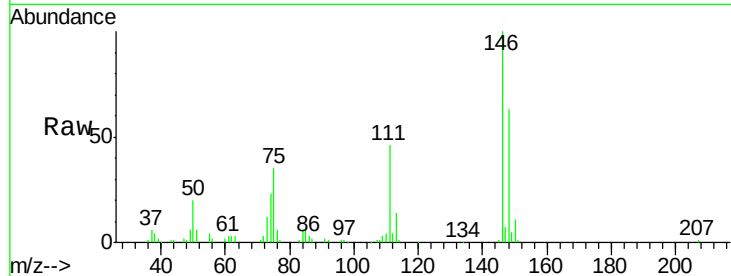
#91
 1,2-Dichlorobenzene
 Concen: 18.720 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0728MBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.9	65.8
148	62.1	31.6	94.7

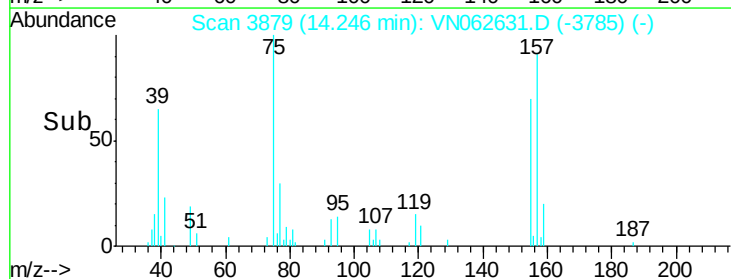
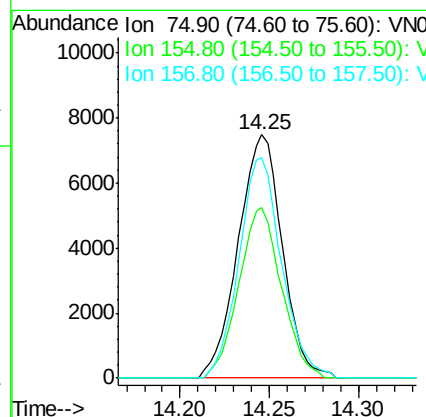
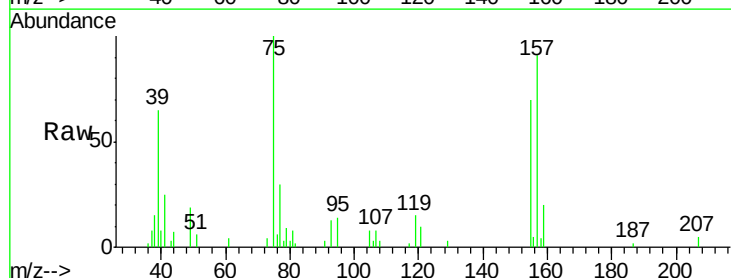
Manual Integrations
 APPROVED

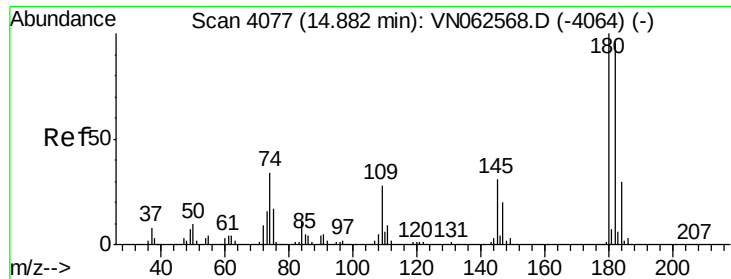
MMDadoda
 7/29/2020 7:06:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.525 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062631.D
 Acq: 28 Jul 2020 13:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.5	35.9	107.5
157	87.6	45.0	135.0





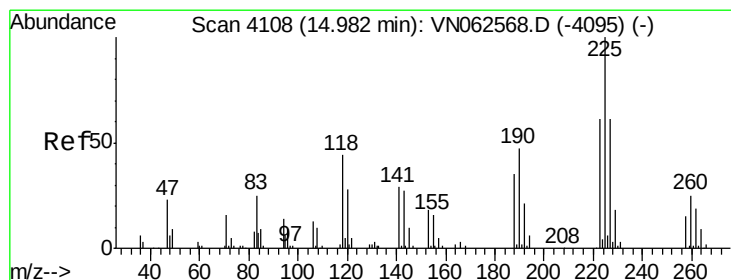
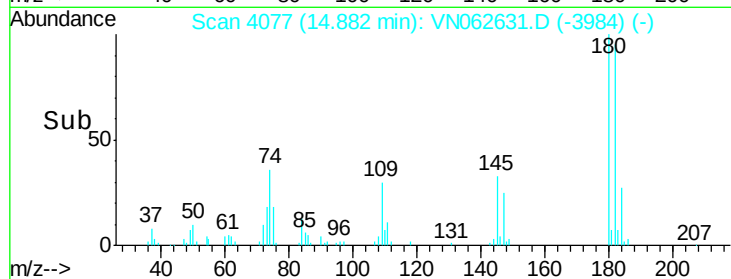
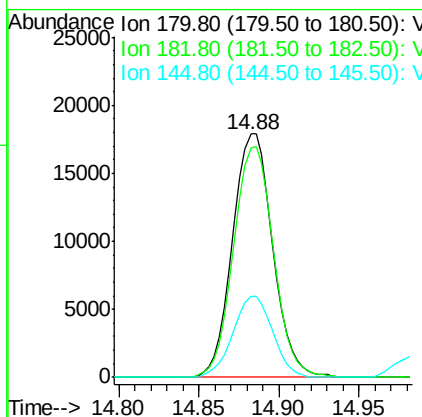
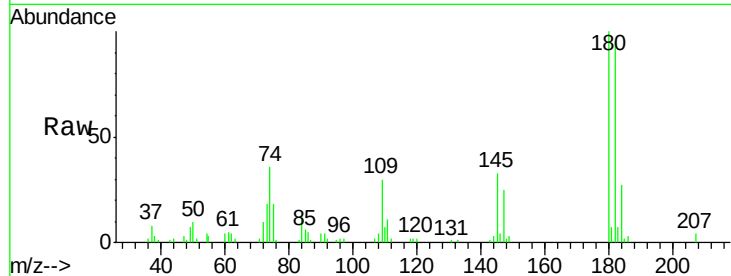
#93
1,2,4-Trichlorobenzene
Concen: 16.649 ug/l
RT: 14.88 min Scan# 4077
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampleId :
VN0728MBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.3
145	32.8	15.3	45.9

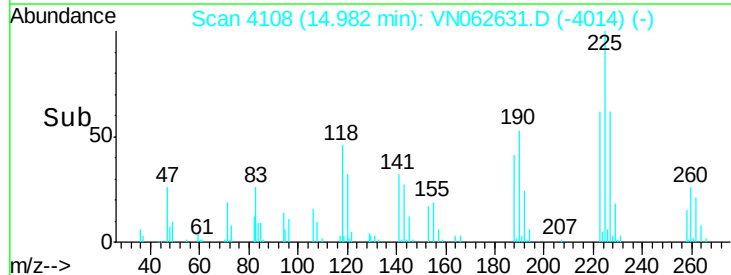
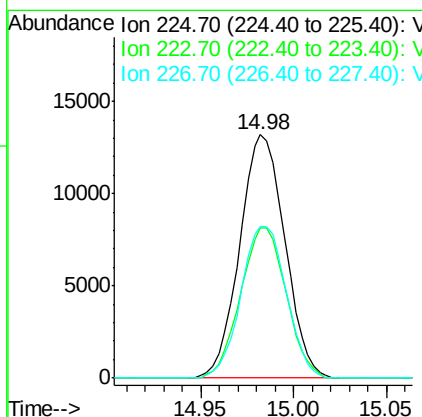
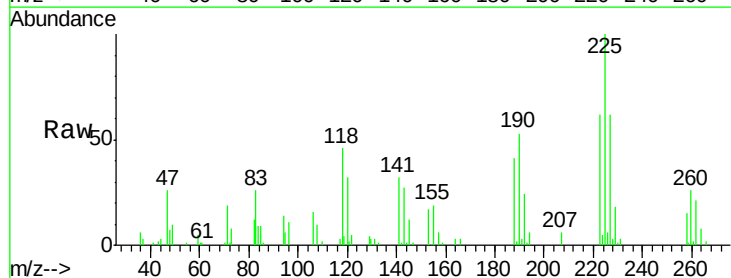
Manual Integrations
APPROVED

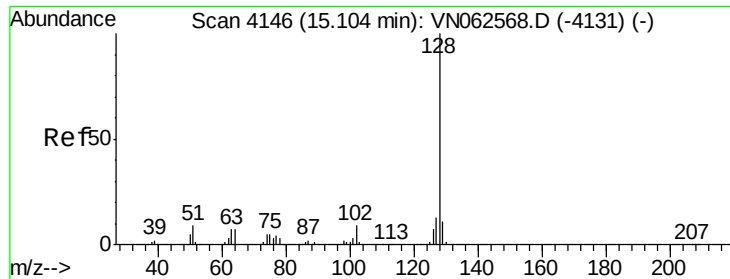
MMDadoda
7/29/2020 7:06:22 PM



#94
Hexachlorobutadiene
Concen: 20.157 ug/l
RT: 14.98 min Scan# 4108
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.0	96.0
227	62.5	31.1	93.2





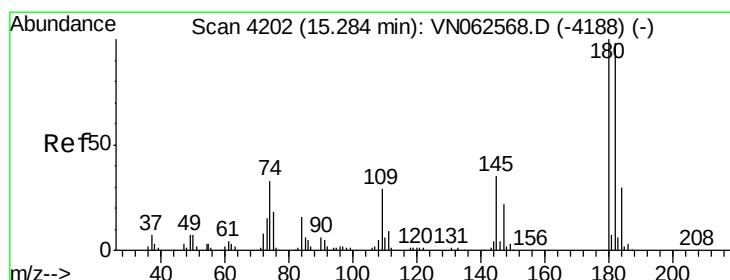
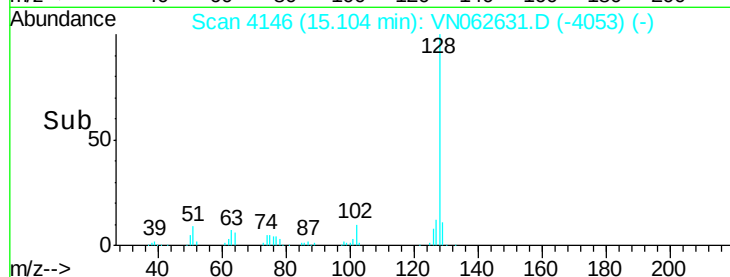
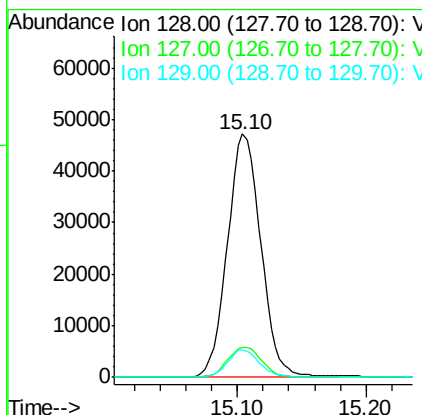
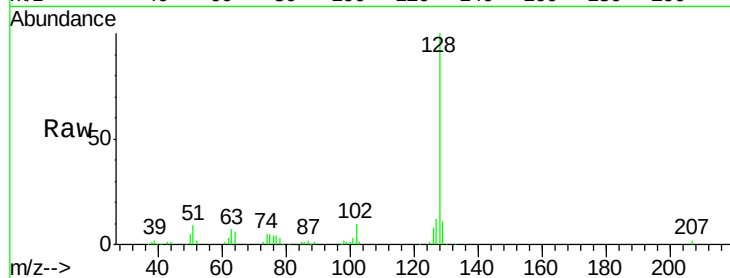
#95
Naphthalene
Concen: 17.755 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Instrument :
MSVOA_N
ClientSampleId :
VN0728MBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/29/2020 7:06:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 16.719 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062631.D
Acq: 28 Jul 2020 13:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.1	144.3
145	34.8	16.7	50.1

