

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063840.D
 Acq On : 2 Oct 2020 23:56
 Operator : JC/MD
 Sample : VN1002WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:35:34 PM

Quant Time: Oct 05 07:47:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	246295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	417766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	391999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	180640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	222791	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	
35) Dibromofluoromethane	7.55	113	151503	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
50) Toluene-d8	10.06	98	555561	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.38	95	202164	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	47447	18.257	ug/l	97
3) Chloromethane	2.04	50	56243	18.444	ug/l	99
4) Vinyl Chloride	2.16	62	56444	18.440	ug/l	100
5) Bromomethane	2.53	94	39426	20.478	ug/l	100
6) Chloroethane	2.67	64	37722	20.624	ug/l	99
7) Trichlorofluoromethane	2.98	101	92535	19.061	ug/l	97
8) Diethyl Ether	3.38	74	32241	19.638	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	47402	18.269	ug/l	99
10) Methyl Iodide	3.91	142	57081	18.946	ug/l	100
11) Tert butyl alcohol	4.73	59	58868	131.043	ug/l #	86
12) 1,1-Dichloroethene	3.69	96	44843	18.081	ug/l	98
13) Acrolein	3.57	56	18057	65.493	ug/l	98
14) Allyl chloride	4.28	41	86717	18.820	ug/l	97
15) Acrylonitrile	4.93	53	142725	110.994	ug/l	98
16) Acetone	3.78	43	141699	113.128	ug/l	99
17) Carbon Disulfide	4.01	76	122218	18.677	ug/l	99
18) Methyl Acetate	4.28	43	71134	21.873	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	179553	19.927	ug/l	96
20) Methylene Chloride	4.51	84	58448	20.431	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	51198	18.430	ug/l	98
22) Diisopropyl ether	5.90	45	195755	20.649	ug/l	95
23) Vinyl Acetate	5.85	43	805181	102.535	ug/l	99
24) 1,1-Dichloroethane	5.80	63	107379	19.810	ug/l	99
25) 2-Butanone	6.78	43	207081	116.612	ug/l	99
26) 2,2-Dichloropropane	6.77	77	72897	14.686	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	61245	19.169	ug/l	97
28) Bromochloromethane	7.15	49	56554	21.110	ug/l	99
29) Tetrahydrofuran	7.16	42	137929	115.806	ug/l	99
30) Chloroform	7.33	83	113820	20.139	ug/l	93
31) Cyclohexane	7.61	56	83783	17.736	ug/l #	90
32) 1,1,1-Trichloroethane	7.53	97	99395	19.498	ug/l	99
36) 1,1-Dichloropropene	7.75	75	78099	18.453	ug/l	99
37) Ethyl Acetate	6.88	43	88347	21.010	ug/l #	87
38) Carbon Tetrachloride	7.73	117	85899	18.099	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063840.D
 Acq On : 2 Oct 2020 23:56
 Operator : JC/MD
 Sample : VN1002WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1002WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:35:34 PM

Quant Time: Oct 05 07:47:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	65427	15.502	ug/l	92
40) Benzene	8.00	78	227192	18.794	ug/l	100
41) Methacrylonitrile	7.13	41	37555	20.095	ug/l #	69
42) 1,2-Dichloroethane	8.09	62	103327	20.024	ug/l	100
43) Isopropyl Acetate	8.13	43	143993	20.761	ug/l	98
44) Trichloroethene	8.80	130	57695	18.215	ug/l	99
45) 1,2-Dichloropropane	9.08	63	64305	19.697	ug/l	95
46) Dibromomethane	9.17	93	43007	19.095	ug/l	98
47) Bromodichloromethane	9.37	83	90213	19.435	ug/l	97
48) Methyl methacrylate	9.17	41	72319	21.104	ug/l	95
49) 1,4-Dioxane	9.17	88	21532	442.121	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	454199	111.589	ug/l	99
52) Toluene	10.13	92	143058	19.132	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	90031	18.095	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	92672	17.809	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	60463	20.163	ug/l	93
56) Ethyl methacrylate	10.40	69	83009	19.529	ug/l	99
57) 1,3-Dichloropropane	10.68	76	101300	19.968	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	230855	101.536	ug/l	100
59) 2-Hexanone	10.72	43	338975	112.108	ug/l	98
60) Dibromochloromethane	10.87	129	66118	18.933	ug/l	98
61) 1,2-Dibromoethane	10.98	107	61229	19.961	ug/l	99
64) Tetrachloroethene	10.60	164	53835	17.751	ug/l	92
65) Chlorobenzene	11.41	112	150525	18.719	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	58917	19.112	ug/l	98
67) Ethyl Benzene	11.49	91	268837	18.373	ug/l	100
68) m/p-Xylenes	11.59	106	195785	35.902	ug/l	98
69) o-Xylene	11.92	106	93150	18.275	ug/l	98
70) Styrene	11.94	104	162773	18.813	ug/l	99
71) Bromoform	12.10	173	44644	18.935	ug/l #	98
73) Isopropylbenzene	12.23	105	251423	19.082	ug/l	99
74) N-amyl acetate	12.05	43	118309	20.679	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	85906	21.322	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	89583m	22.497	ug/l	
77) Bromobenzene	12.50	156	63398	19.610	ug/l	97
78) n-propylbenzene	12.57	91	280990	18.325	ug/l	100
79) 2-Chlorotoluene	12.65	91	183323	19.439	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	209004	18.908	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	24700	17.865	ug/l	89
82) 4-Chlorotoluene	12.75	91	181903	18.580	ug/l	97
83) tert-Butylbenzene	12.97	119	163473	18.080	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	209155	18.952	ug/l	100
85) sec-Butylbenzene	13.15	105	213508	17.978	ug/l	98
86) p-Isopropyltoluene	13.26	119	188796	17.970	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	109851	18.781	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	112046	18.398	ug/l	99
89) n-Butylbenzene	13.59	91	155859	16.073	ug/l	99
90) Hexachloroethane	13.85	117	38344	18.835	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	109503	18.902	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18977	20.084	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
Data File : VN063840.D
Acq On : 2 Oct 2020 23:56
Operator : JC/MD
Sample : VN1002WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

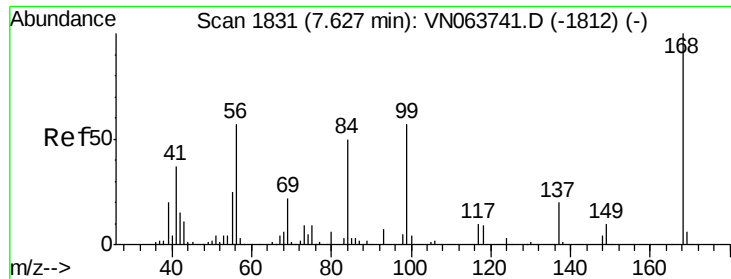
Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:34 PM

Quant Time: Oct 05 07:47:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	47269	16.221	ug/l	97
94) Hexachlorobutadiene	14.98	225	27403	17.489	ug/l	99
95) Naphthalene	15.10	128	154795	17.195	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	45851	16.105	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS02

Tot Ion:168 Resp: 246295

Ion Ratio Lower Upper

168 100

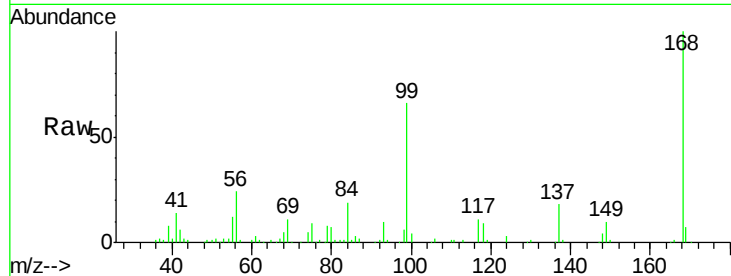
99 65.4 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

10/5/2020 5:35:34 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

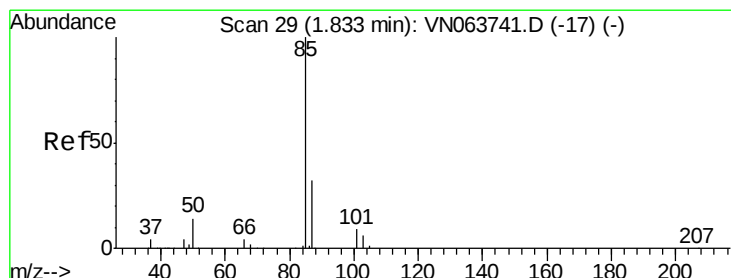
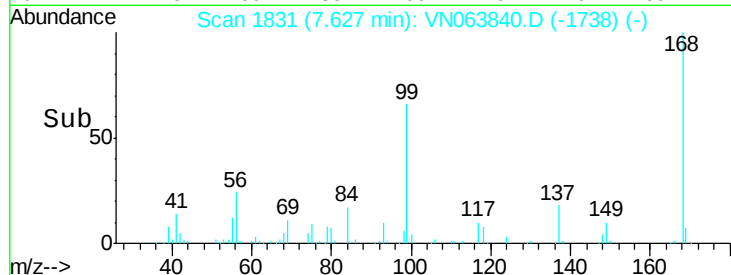
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.257 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063840.D

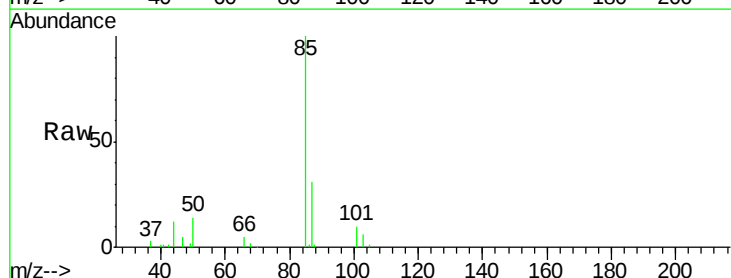
Acq: 2 Oct 2020 23:56

Tgt Ion: 85 Resp: 47447

Ion Ratio Lower Upper

85 100

87 30.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

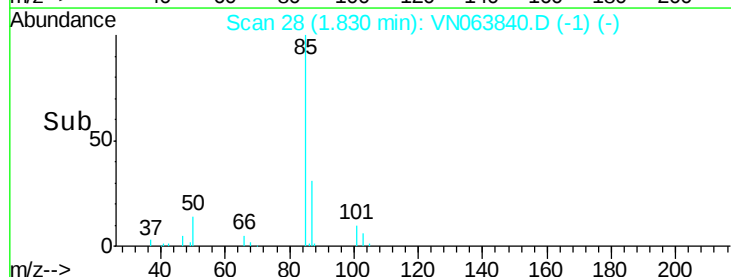
30000

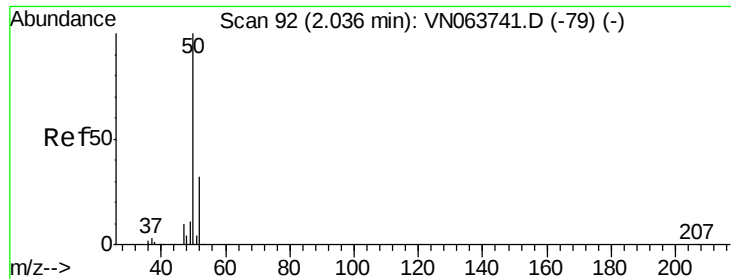
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.444 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS02

Tot Ion: 50 Resp: 56243

Ion Ratio Lower Upper

50 100

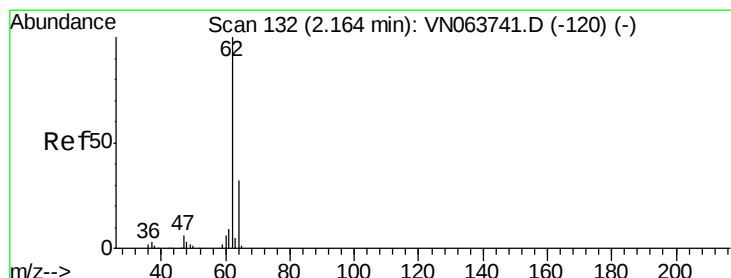
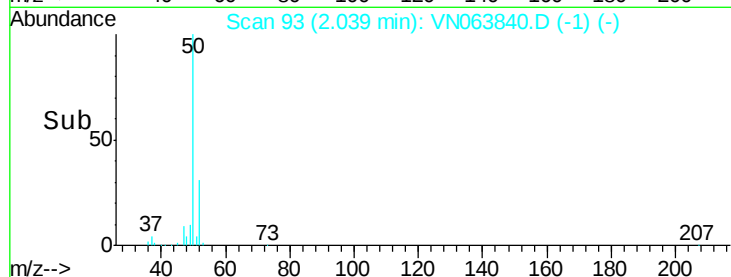
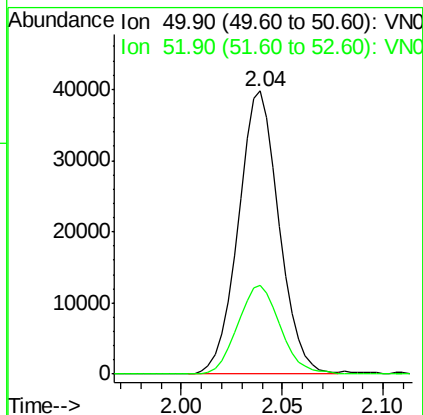
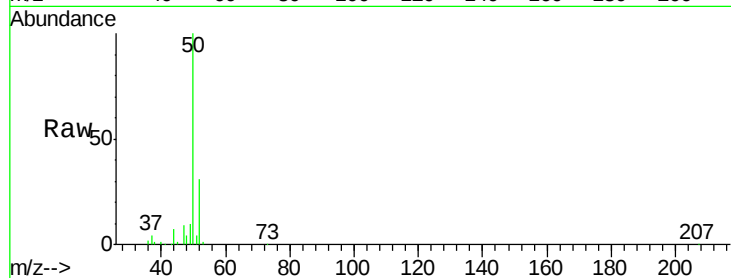
52 31.5 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

10/5/2020 5:35:34 PM



#4

Vinyl Chloride

Concen: 18.440 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063840.D

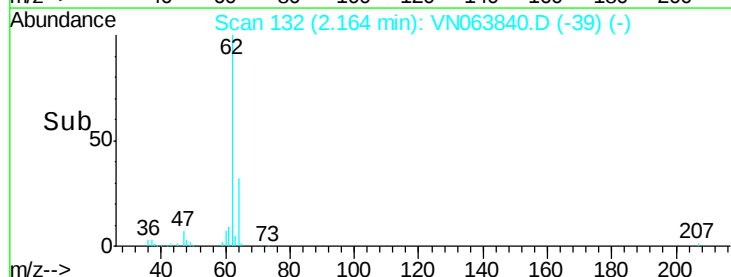
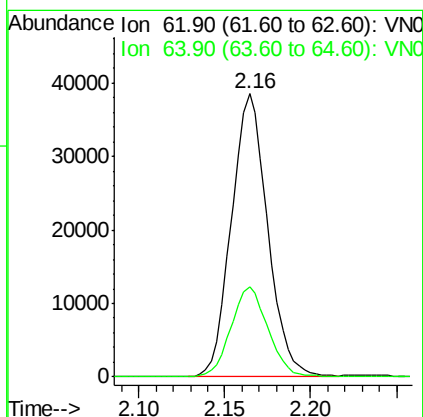
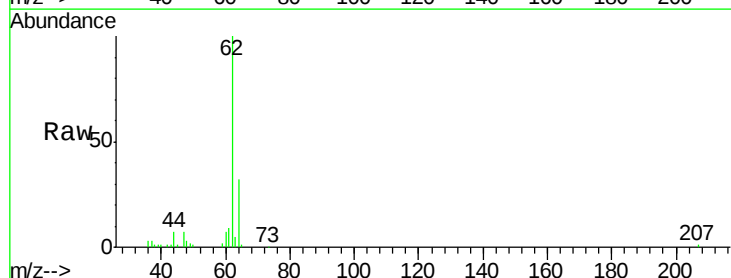
Acq: 2 Oct 2020 23:56

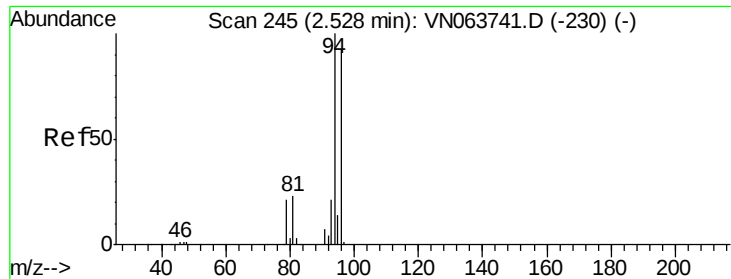
Tgt Ion: 62 Resp: 56444

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4





#5

Bromomethane

Concen: 20.478 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS02

Tot Ion: 94 Resp: 39426

Ion Ratio Lower Upper

94 100

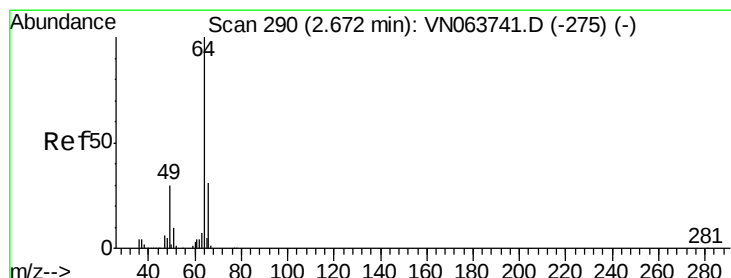
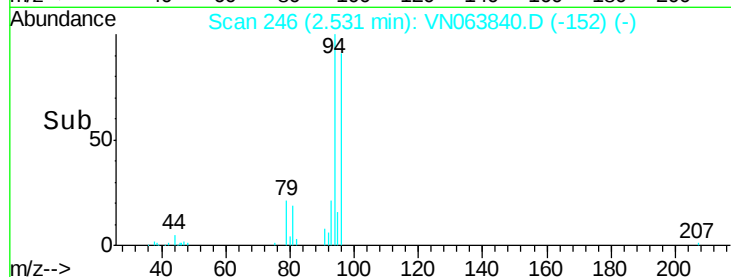
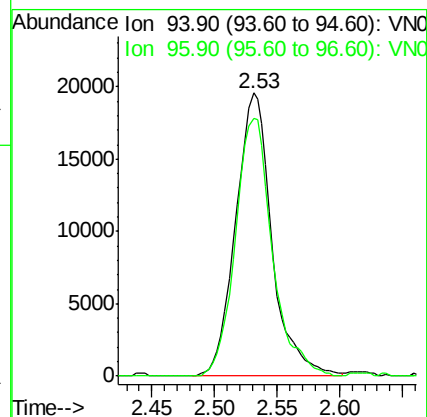
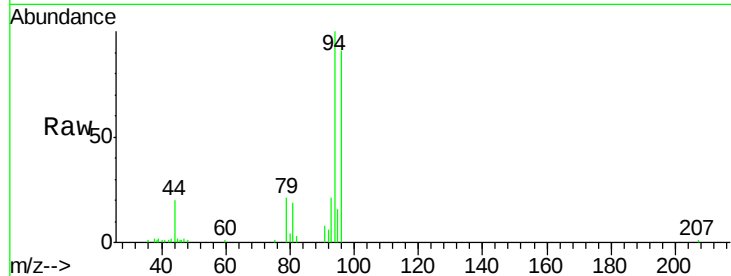
96 91.3 73.3 109.9

Manual Integrations

APPROVED

MMDadoda

10/5/2020 5:35:34 PM



#6

Chloroethane

Concen: 20.624 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN063840.D

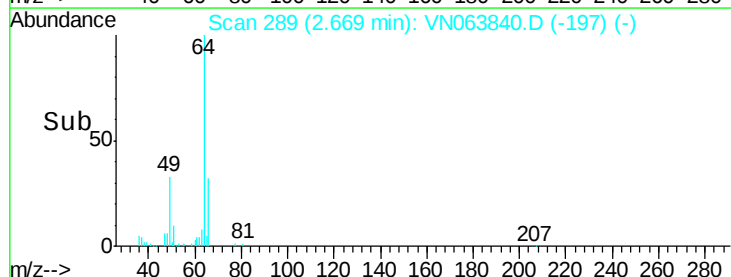
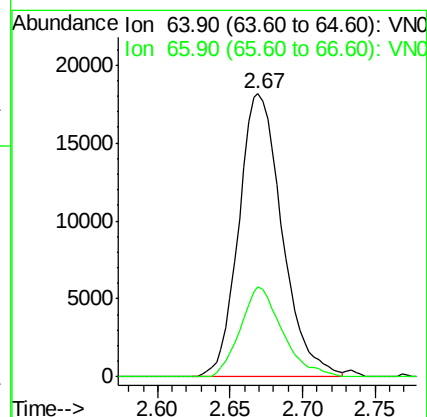
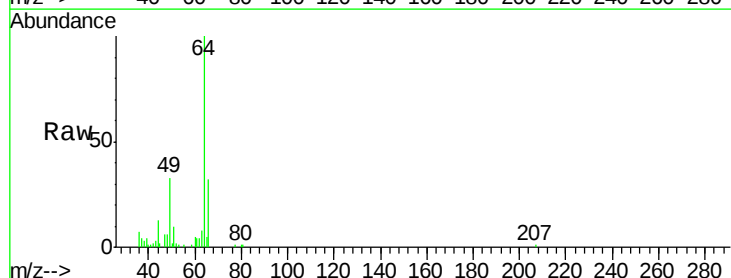
Acq: 2 Oct 2020 23:56

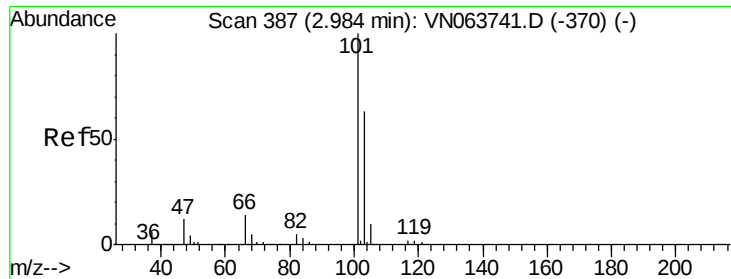
Tgt Ion: 64 Resp: 37722

Ion Ratio Lower Upper

64 100

66 32.0 25.1 37.7





#7

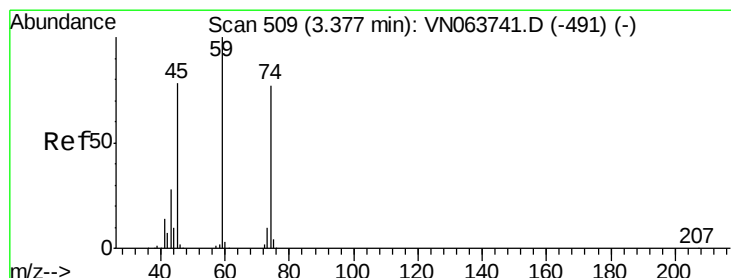
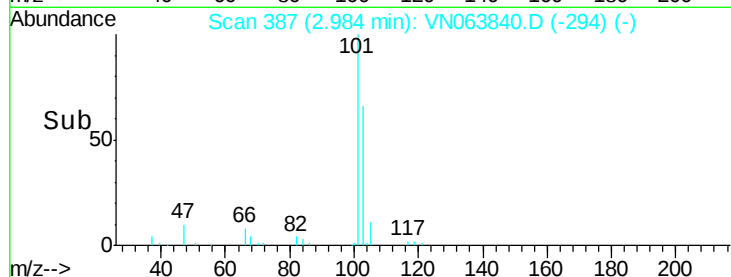
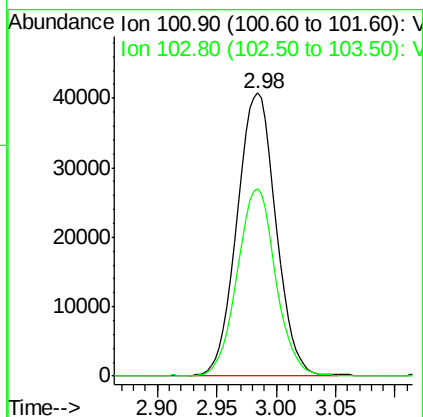
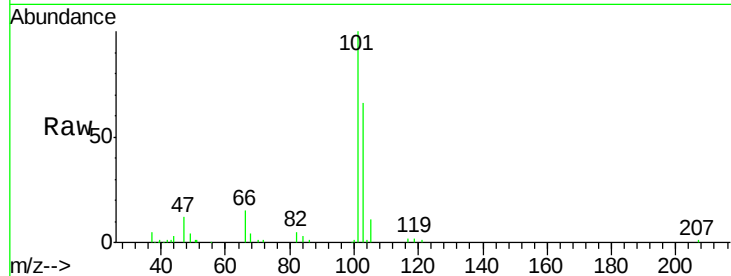
Trichlorofluoromethane
Concen: 19.061 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	50.7	76.1

Manual Integrations
APPROVED

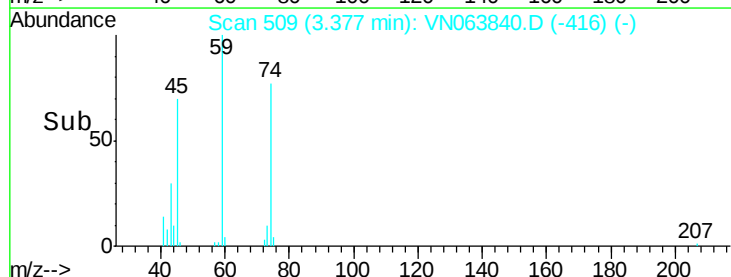
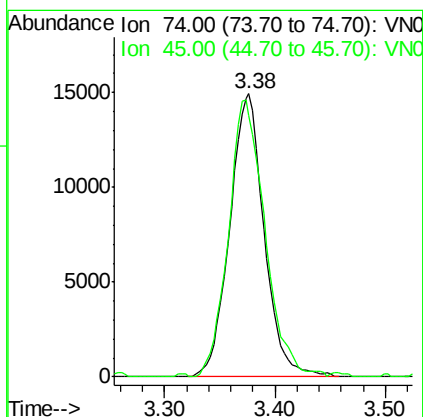
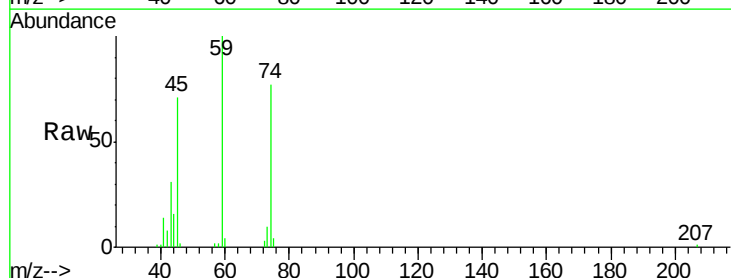
MMDadoda
10/5/2020 5:35:34 PM

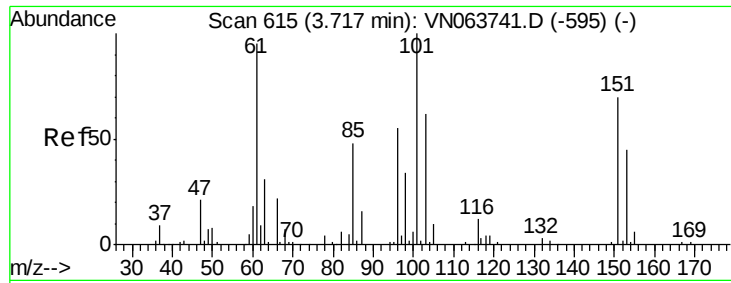


#8

Diethyl Ether
Concen: 19.638 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.9	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.269 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Instrument :

MSVOA_N

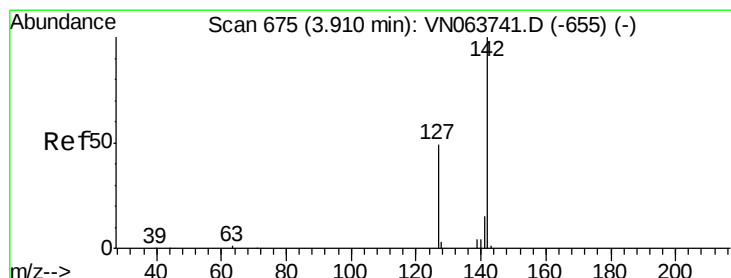
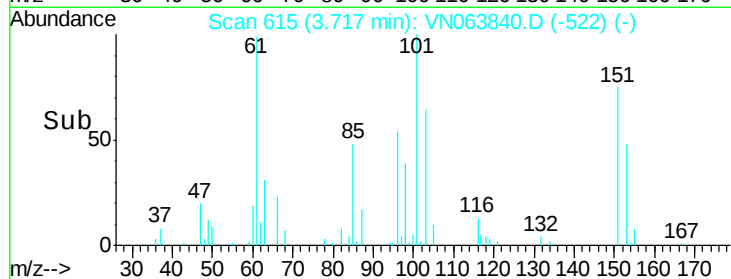
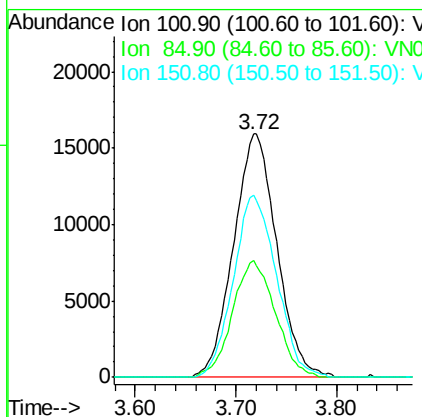
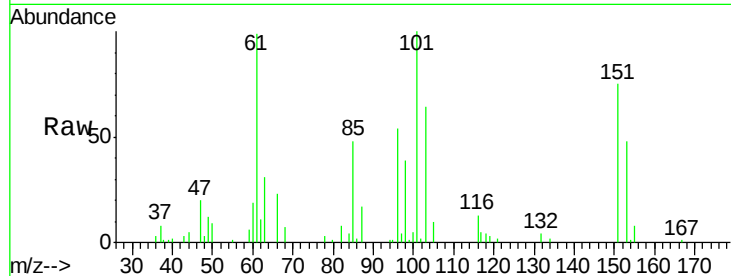
ClientSampleId :

VN1002WBS02

Tot Ion:	101	Resp:	47402
Ion Ratio	Lower	Upper	
101	100		
85	47.6	38.6	58.0
151	74.7	58.7	88.1

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:34 PM



#10

Methyl Iodide

Concen: 18.946 ug/l

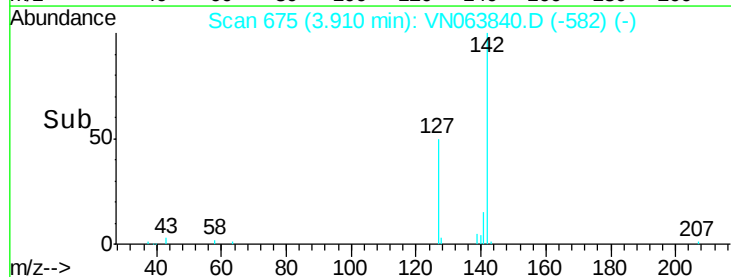
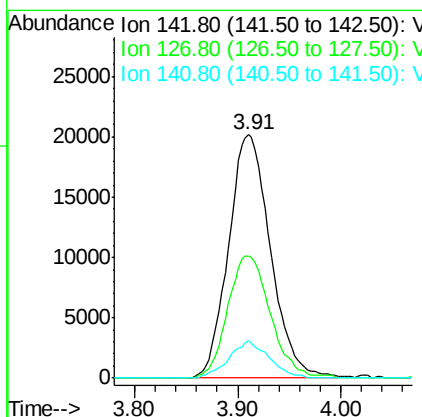
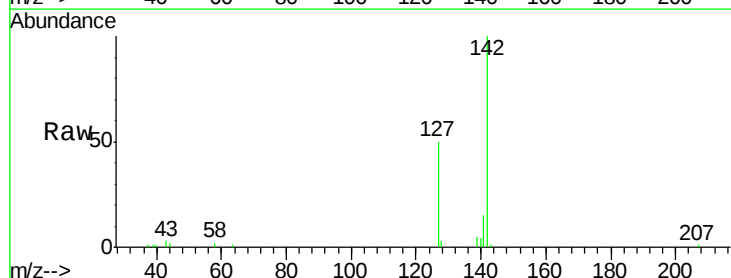
RT: 3.91 min Scan# 675

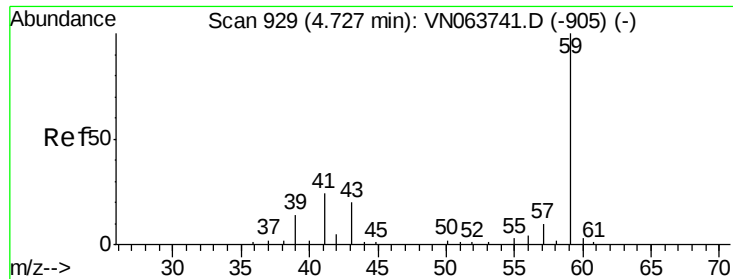
Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Tgt Ion:	142	Resp:	57081
Ion Ratio	Lower	Upper	
142	100		
127	50.7	40.5	60.7
141	14.5	11.7	17.5





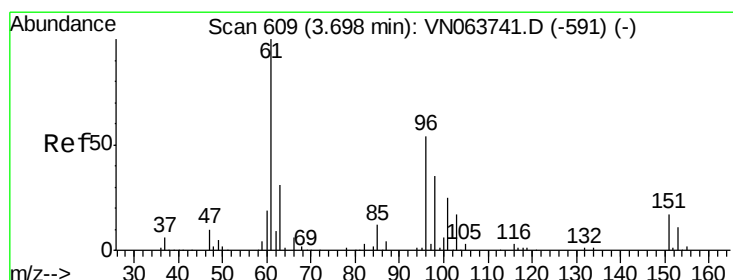
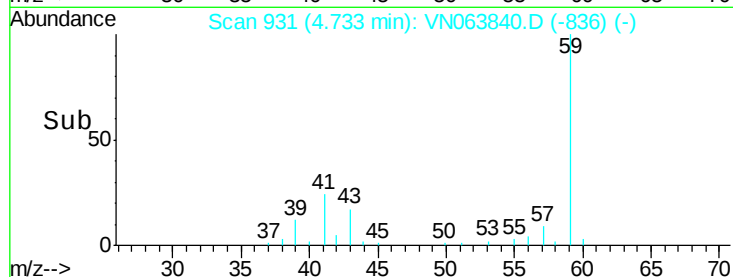
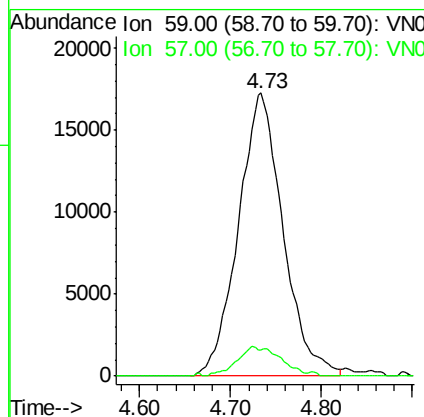
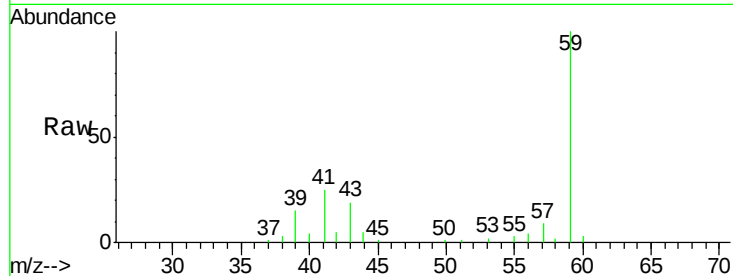
#11
Tert butyl alcohol
Concen: 131.043 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion: 59 Resp: 58868
Ion Ratio Lower Upper
59 100
57 5.6 8.7 13.1#

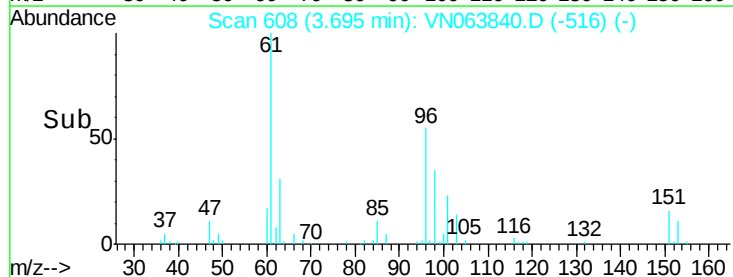
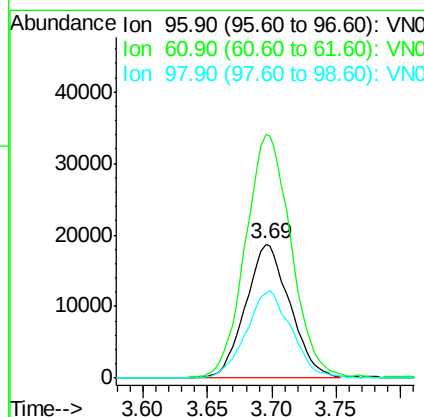
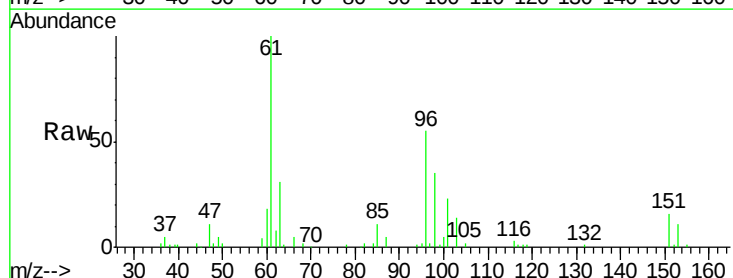
Manual Integrations
APPROVED

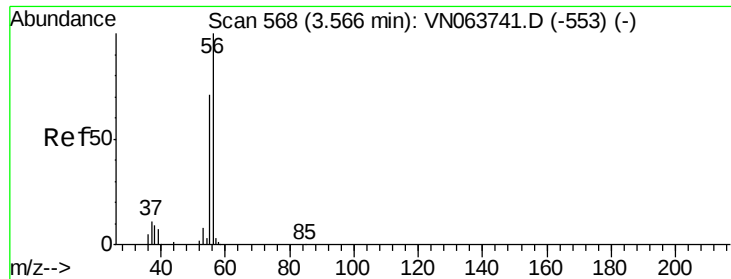
MMDadoda
10/5/2020 5:35:34 PM



#12
1,1-Dichloroethene
Concen: 18.081 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion: 96 Resp: 44843
Ion Ratio Lower Upper
96 100
61 181.2 147.7 221.5
98 63.8 51.9 77.9





#13

Acrolein

Concen: 65.493 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS02

Tot Ion: 56 Resp: 18057

Ion Ratio Lower Upper

56 100

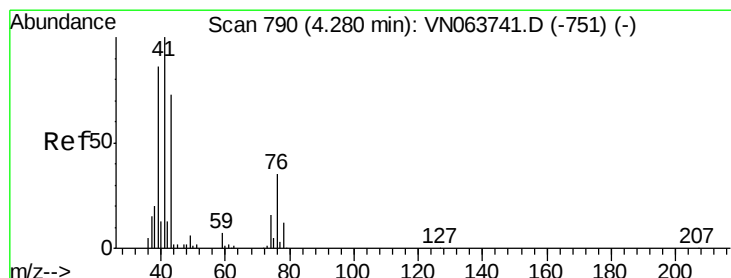
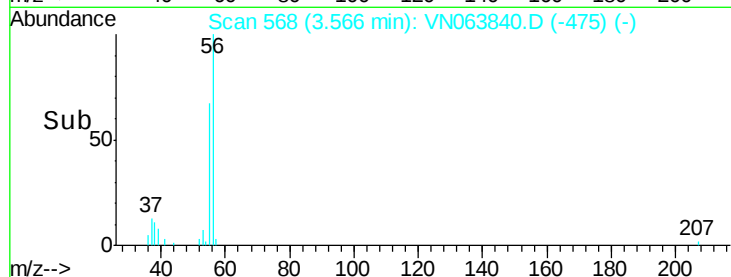
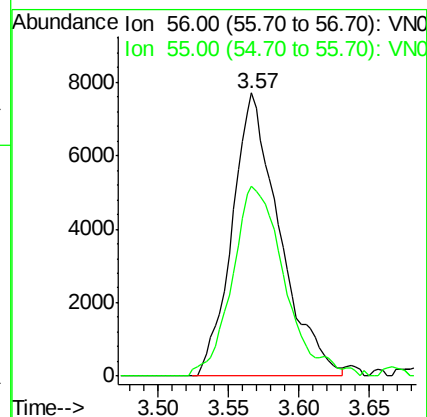
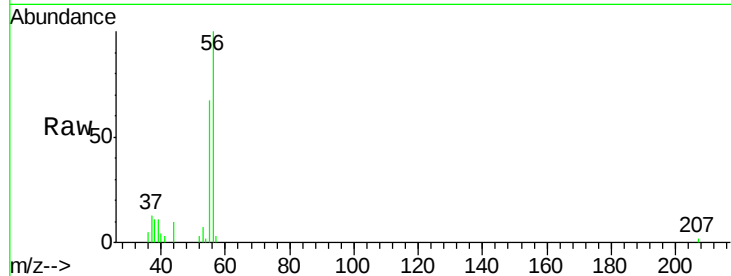
55 73.1 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

10/5/2020 5:35:34 PM



#14

Allyl chloride

Concen: 18.820 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

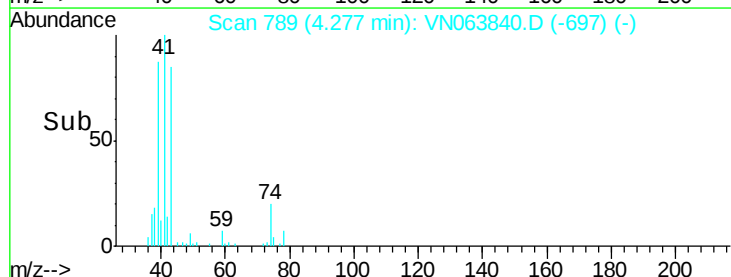
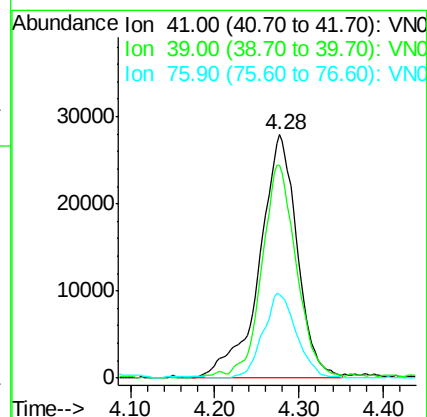
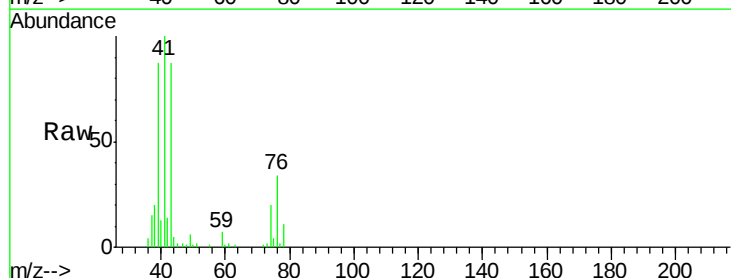
Tgt Ion: 41 Resp: 86717

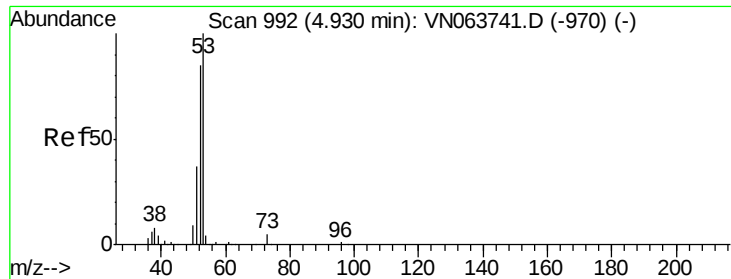
Ion Ratio Lower Upper

41 100

39 78.3 64.5 96.7

76 30.9 25.9 38.9





#15

Acrylonitrile

Concen: 110.994 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Instrument :

MSVOA_N

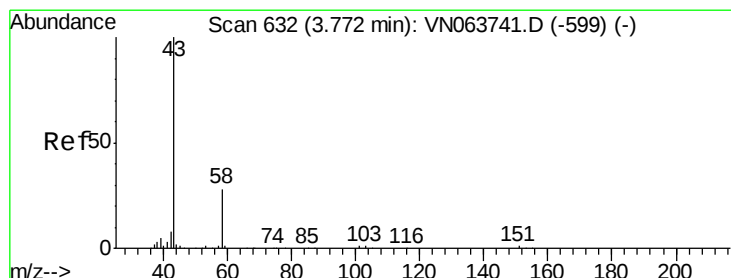
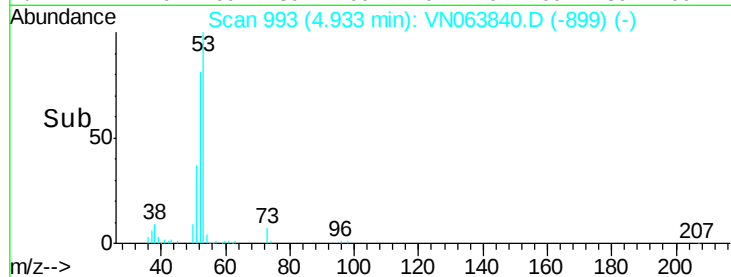
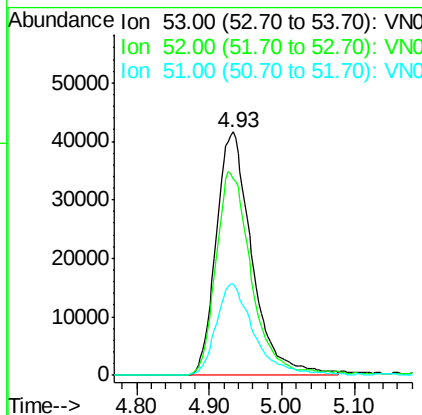
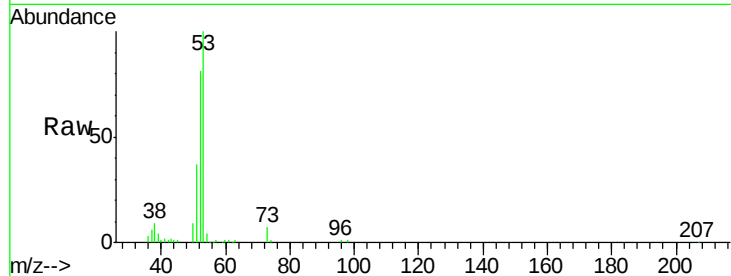
ClientSampleId :

VN1002WBS02

Tot Ion:	53	Resp:	142725
Ion Ratio	Lower	Upper	
53	100		
52	81.3	66.5	99.7
51	39.0	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:34 PM



#16

Acetone

Concen: 113.128 ug/l

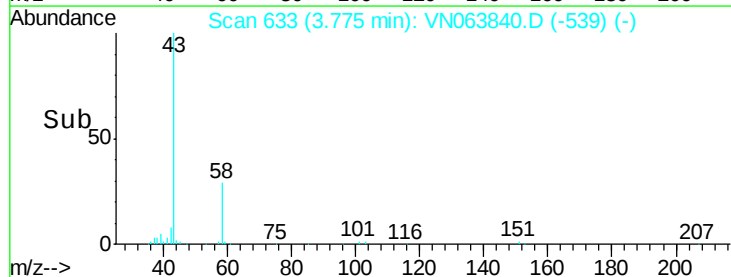
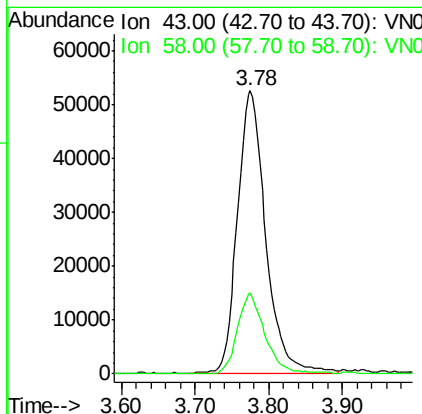
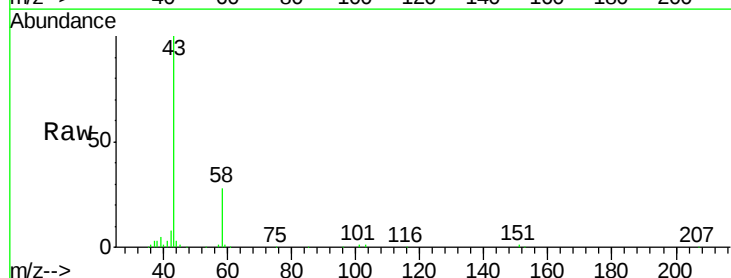
RT: 3.78 min Scan# 633

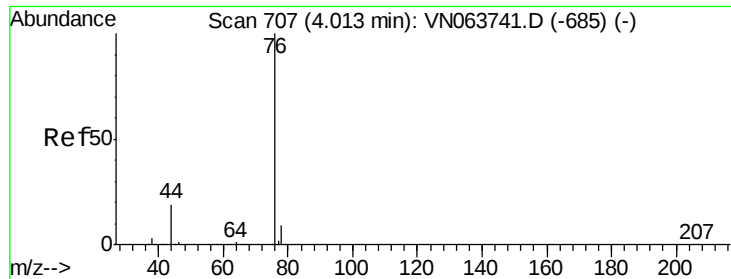
Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Tgt Ion:	43	Resp:	141699
Ion Ratio	Lower	Upper	
43	100		
58	28.2	22.3	33.5





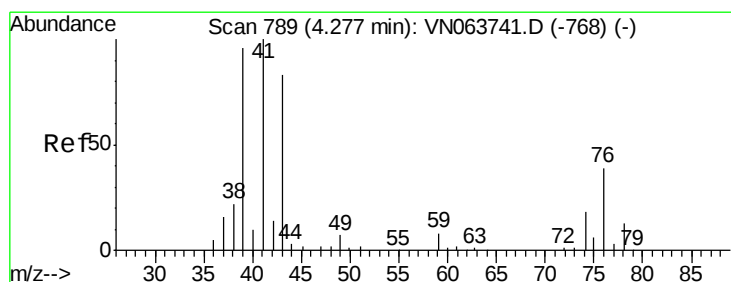
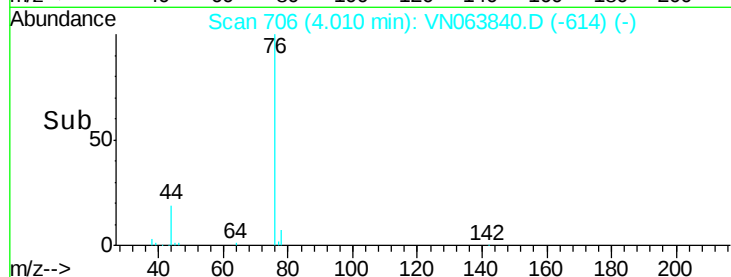
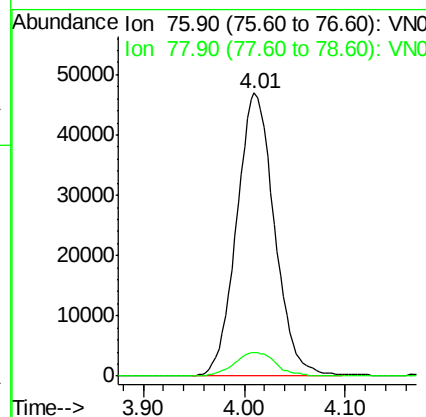
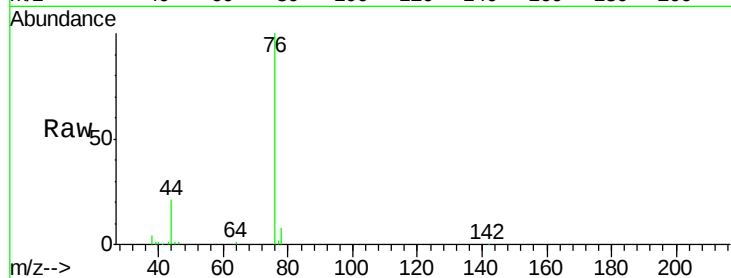
#17
Carbon Disulfide
Concen: 18.677 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.4

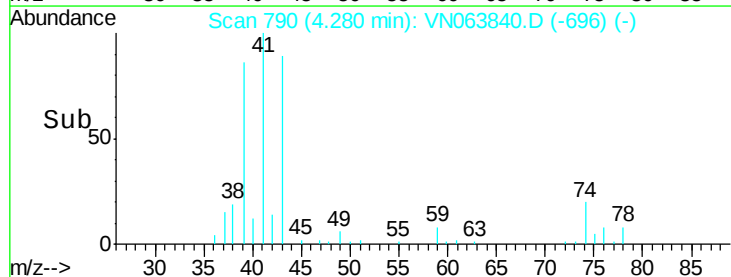
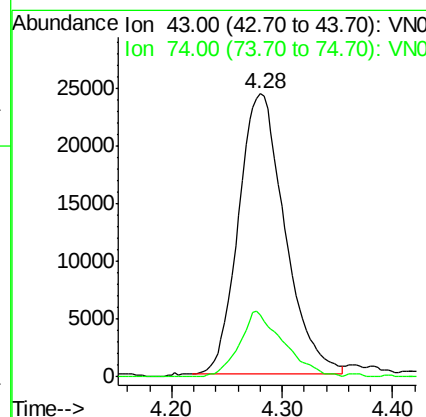
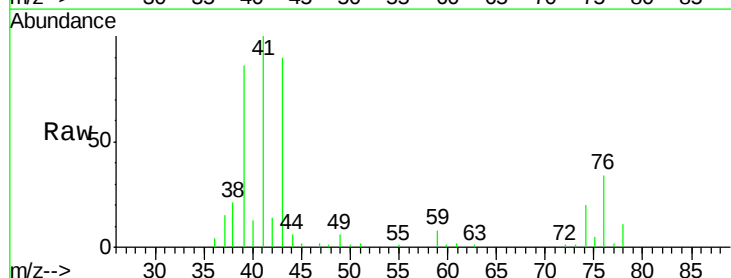
Manual Integrations
APPROVED

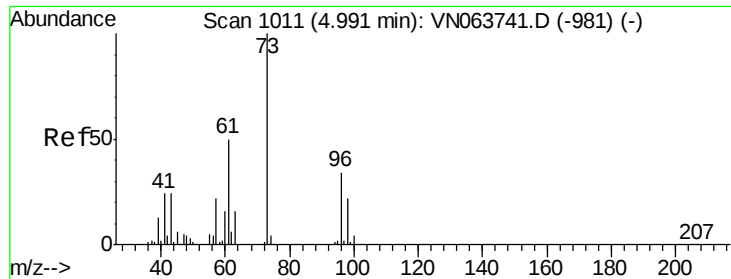
MMDadoda
10/5/2020 5:35:34 PM



#18
Methyl Acetate
Concen: 21.873 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2





#19

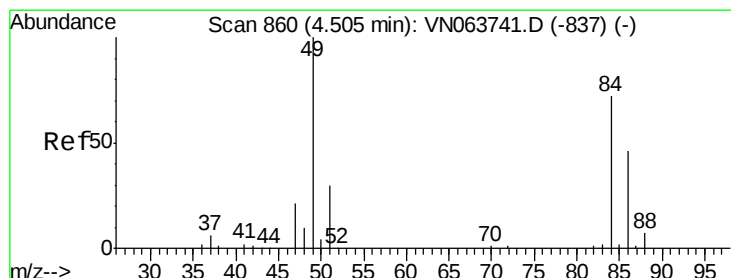
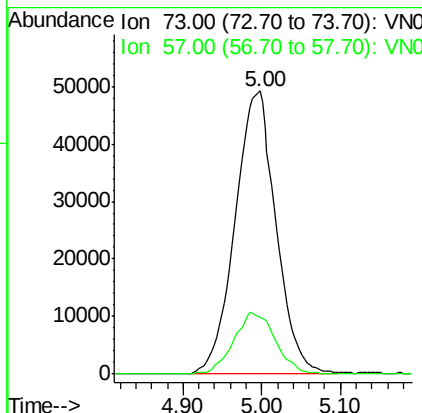
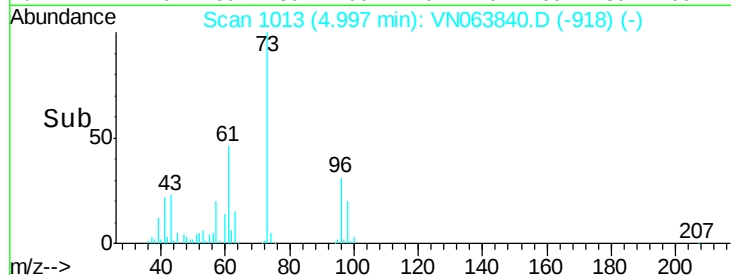
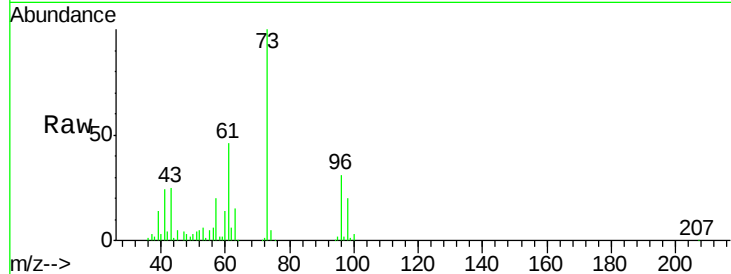
Methyl tert-butyl Ether
 Concen: 19.927 ug/l
 RT: 5.00 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN1002WBS02

Tot Ion: 73 Resp: 179553
 Ion Ratio Lower Upper
 73 100
 57 20.2 17.6 26.4

Manual Integrations
 APPROVED

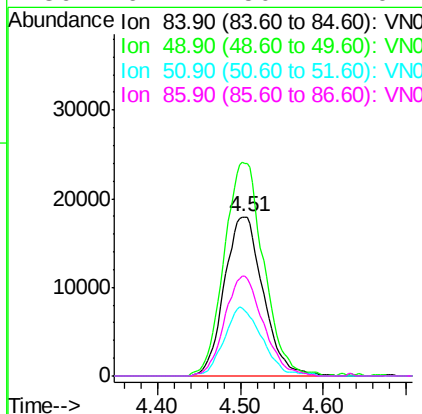
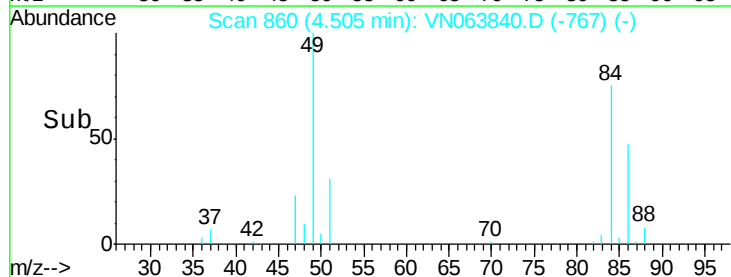
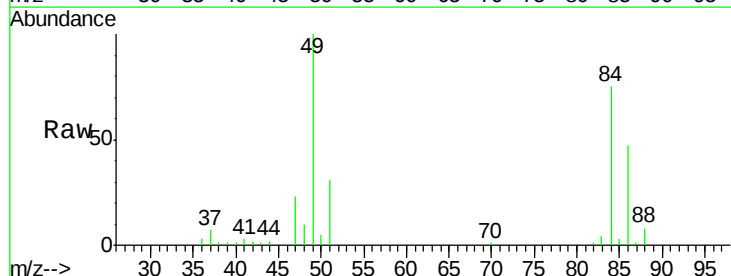
MMDadoda
 10/5/2020 5:35:34 PM

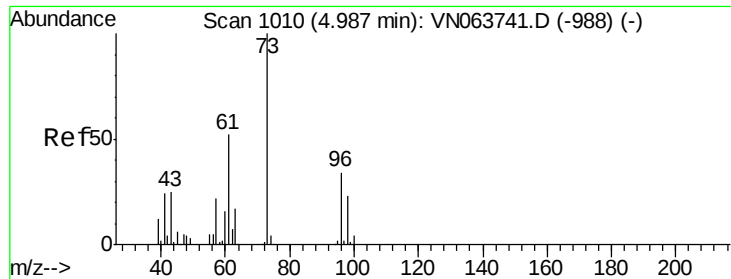


#20

Methylene Chloride
 Concen: 20.431 ug/l
 RT: 4.51 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Tgt Ion: 84 Resp: 58448
 Ion Ratio Lower Upper
 84 100
 49 133.6 110.4 165.6
 51 41.0 33.3 49.9
 86 62.7 50.7 76.1





#21

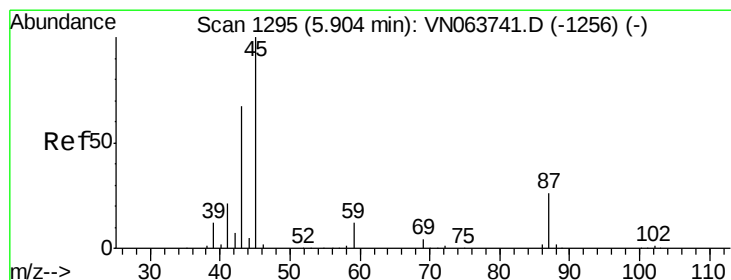
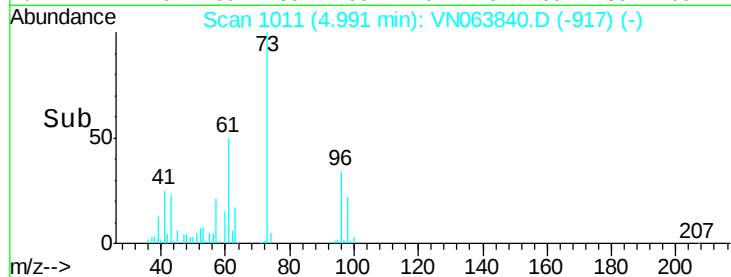
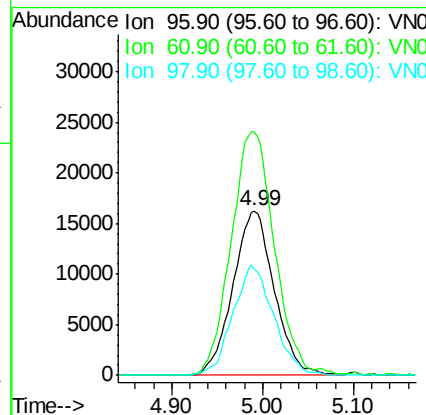
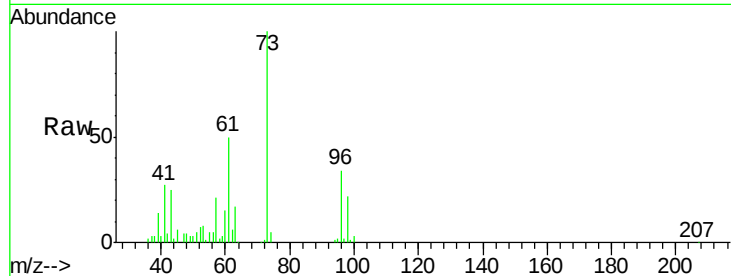
trans-1,2-Dichloroethene
Concen: 18.430 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.0	120.2	180.2
98	64.9	52.6	79.0

Manual Integrations
APPROVED

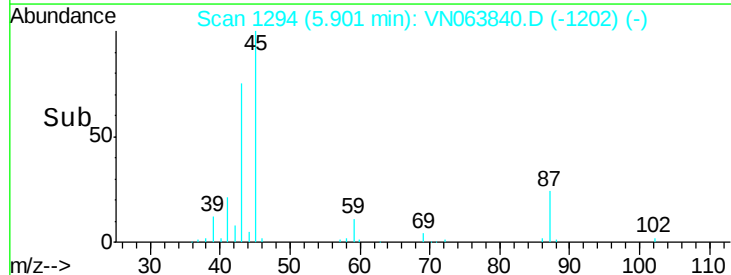
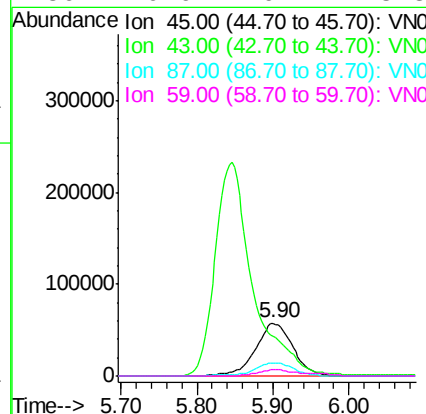
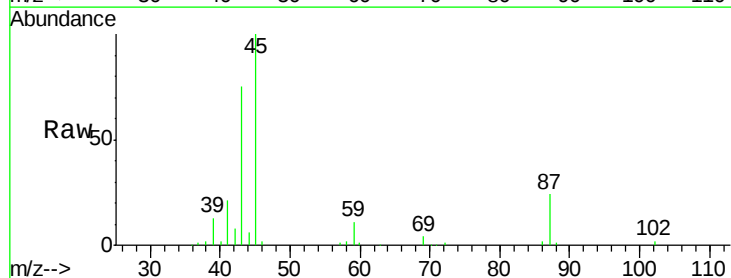
MMDadoda
10/5/2020 5:35:34 PM

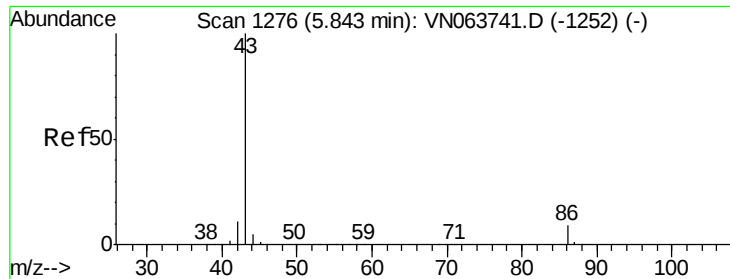


#22

Diisopropyl ether
Concen: 20.649 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.7	53.7	80.5
87	24.2	21.1	31.7
59	10.9	9.2	13.8





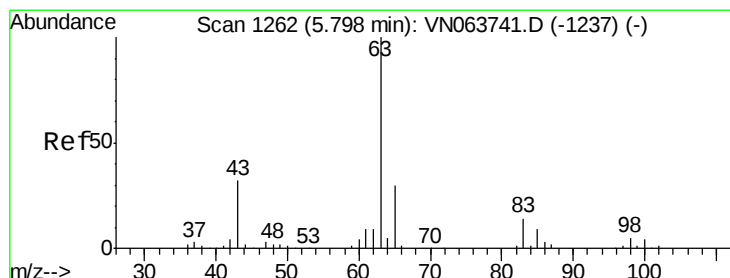
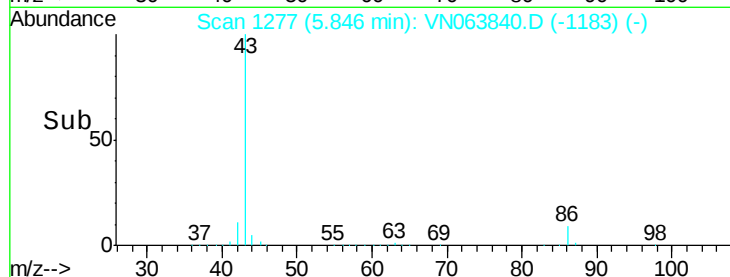
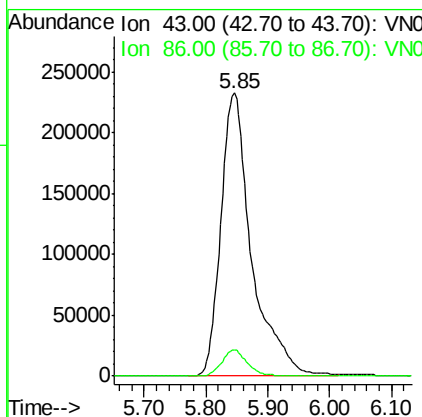
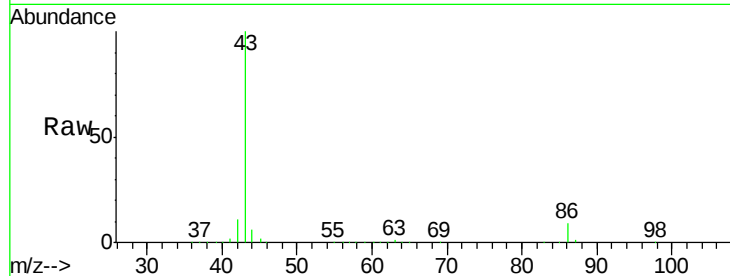
#23
 Vinyl Acetate
 Concen: 102.535 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN1002WBS02

Tot Ion	43	Resp	805181
Ion Ratio	100	Lower	Upper
43	100		
86	9.4	7.3	10.9

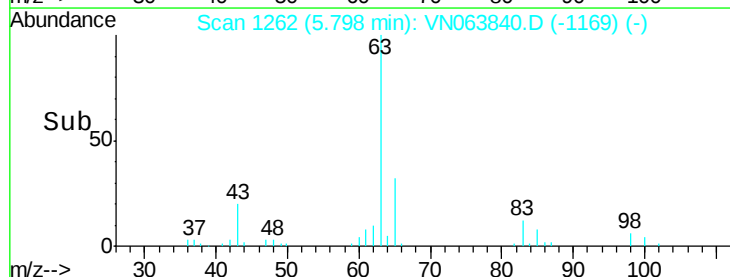
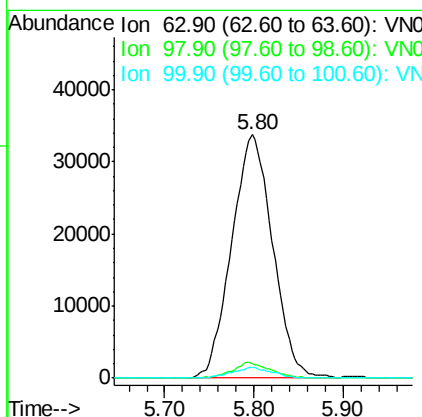
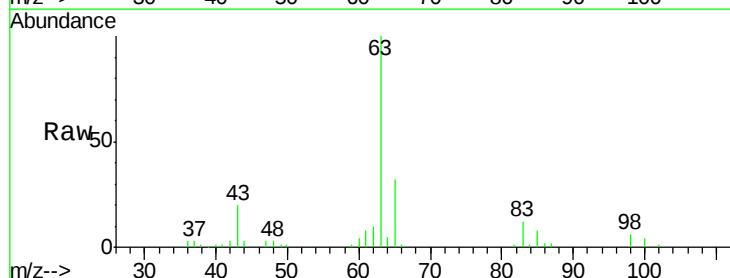
Manual Integrations
 APPROVED

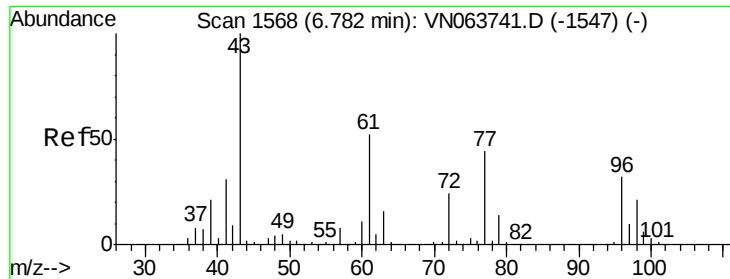
MMDadoda
 10/5/2020 5:35:34 PM



#24
 1,1-Dichloroethane
 Concen: 19.810 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Tgt Ion	63	Resp	107379
Ion Ratio	100	Lower	Upper
63	100		
98	5.9	2.7	8.1
100	4.2	1.9	5.7





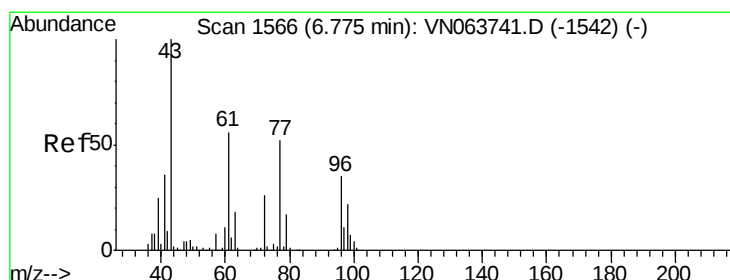
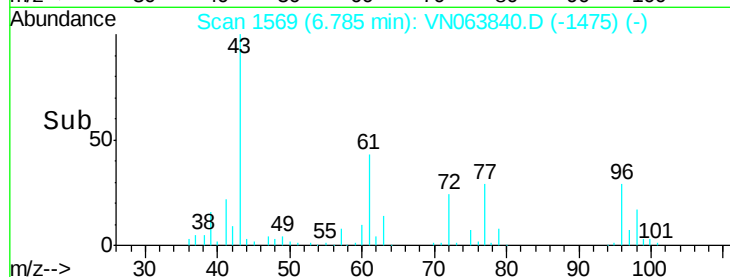
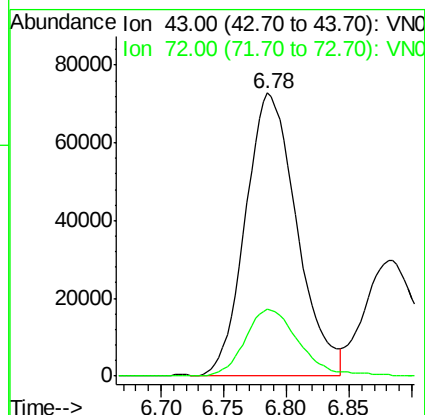
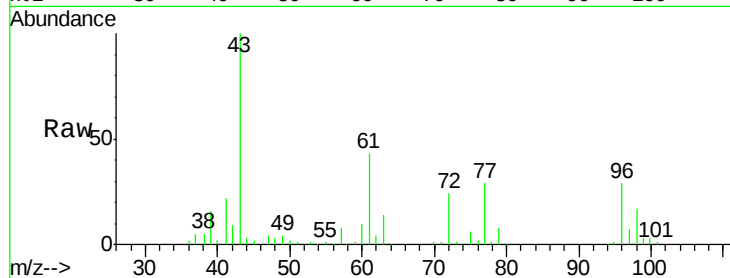
#25
2-Butanone
Concen: 116.612 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion: 43 Resp: 207081
Ion Ratio Lower Upper
43 100
72 23.6 19.3 28.9

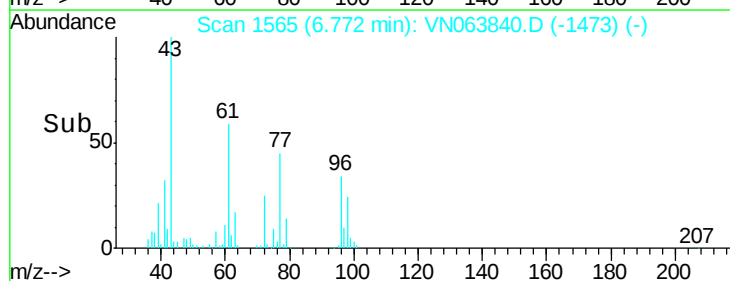
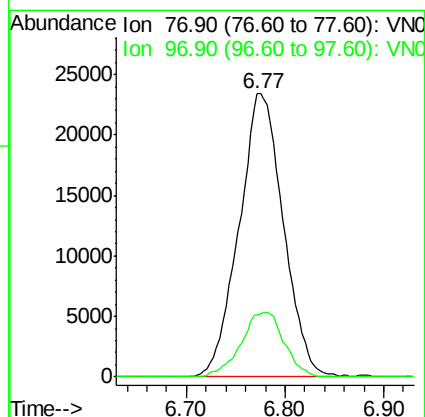
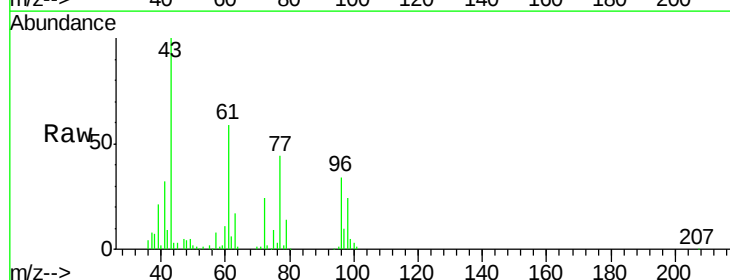
Manual Integrations
APPROVED

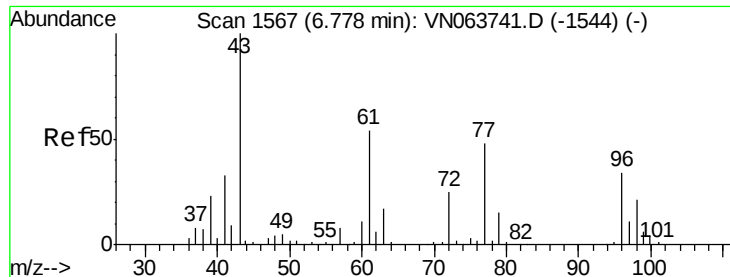
MMDadoda
10/5/2020 5:35:34 PM



#26
2,2-Dichloropropane
Concen: 14.686 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion: 77 Resp: 72897
Ion Ratio Lower Upper
77 100
97 22.0 10.8 32.3





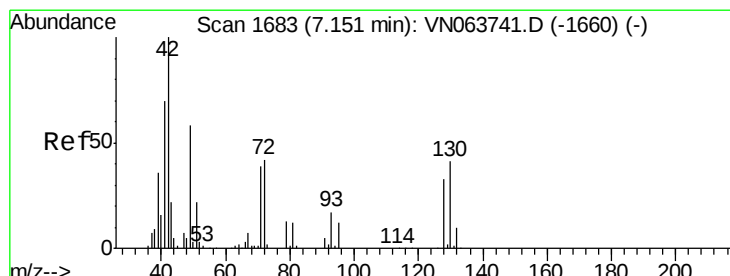
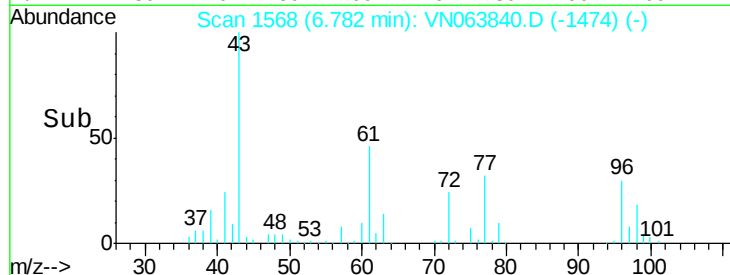
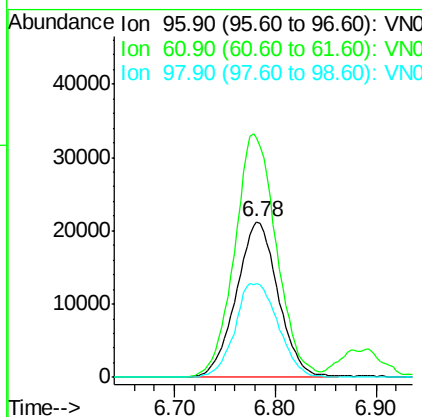
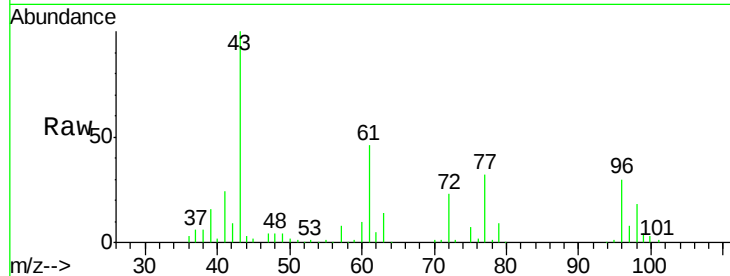
#27
 cis-1,2-Dichloroethene
 Concen: 19.169 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.8	0.0	321.2
98	62.0	0.0	124.4

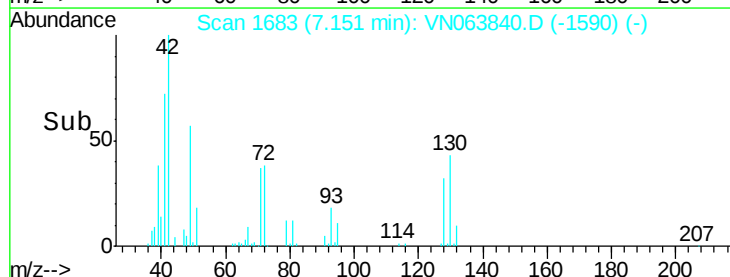
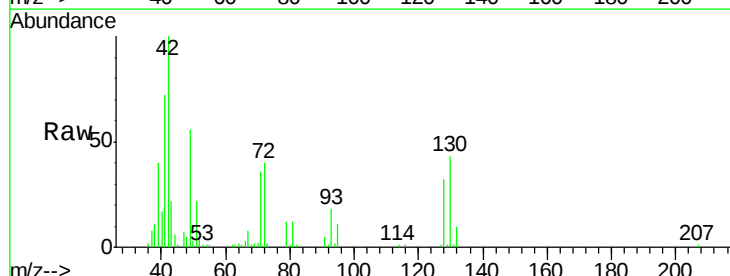
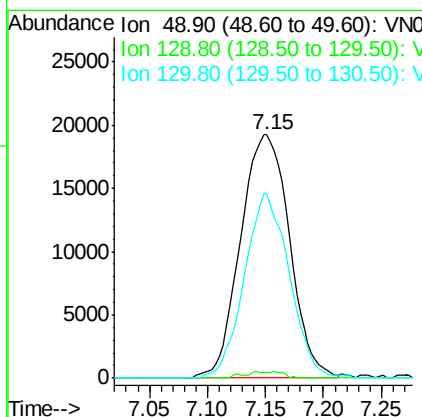
Manual Integrations
 APPROVED

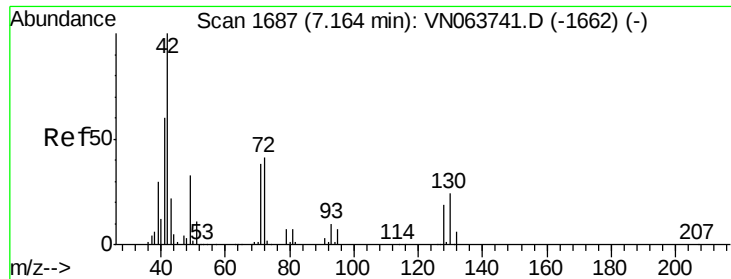
MMDadoda
 10/5/2020 5:35:34 PM



#28
 Bromochloromethane
 Concen: 21.110 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	4.8
130	69.8	55.6	83.4





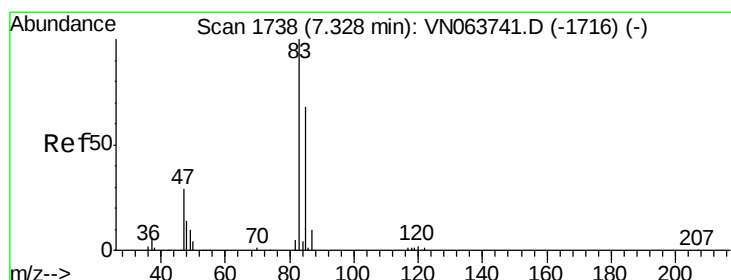
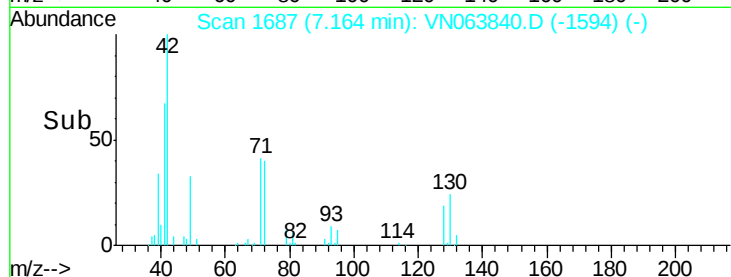
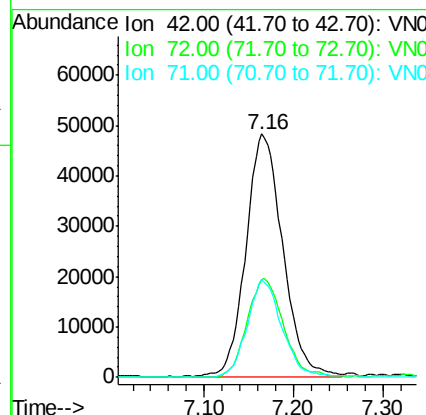
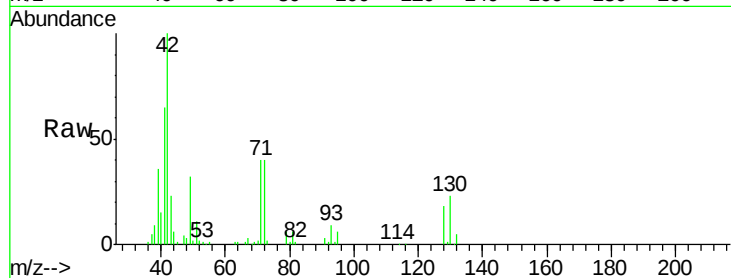
#29
Tetrahydrofuran
Concen: 115.806 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.8	49.2
71	38.3	30.6	45.8

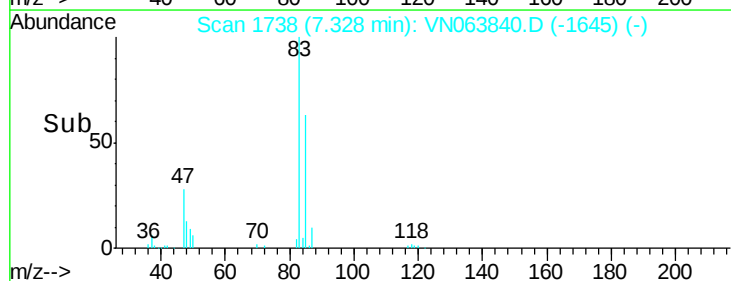
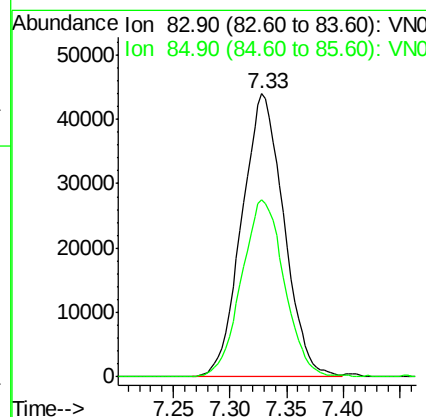
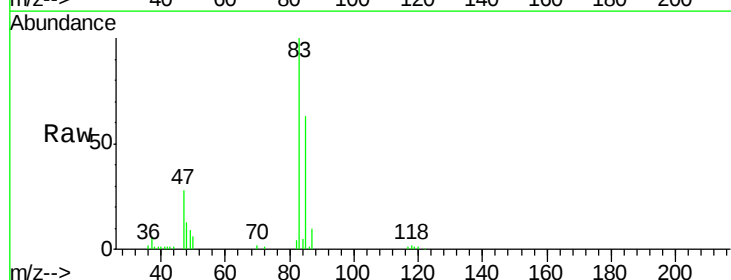
Manual Integrations
APPROVED

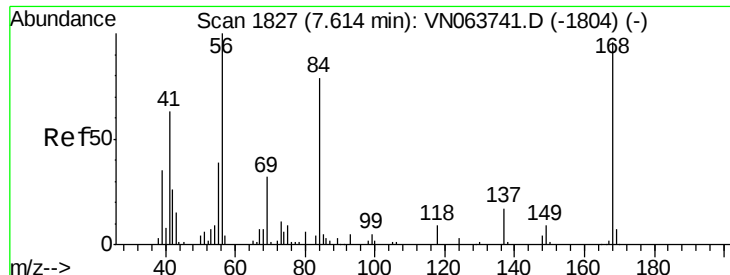
MMDadoda
10/5/2020 5:35:34 PM



#30
Chloroform
Concen: 20.139 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	54.6	82.0





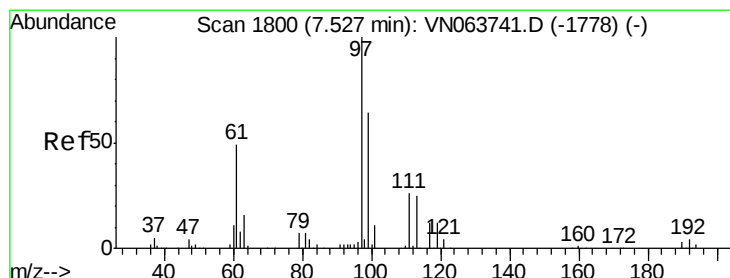
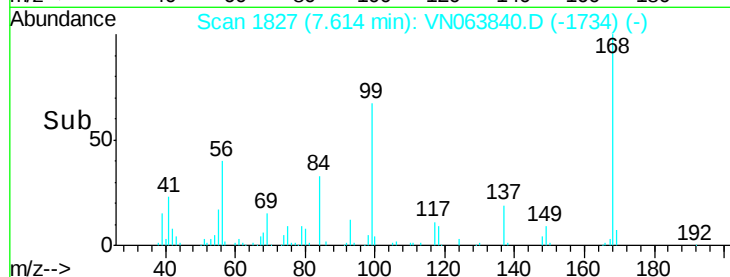
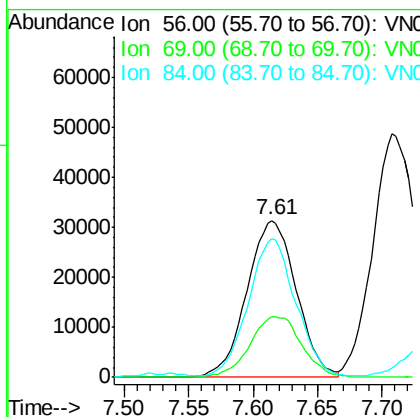
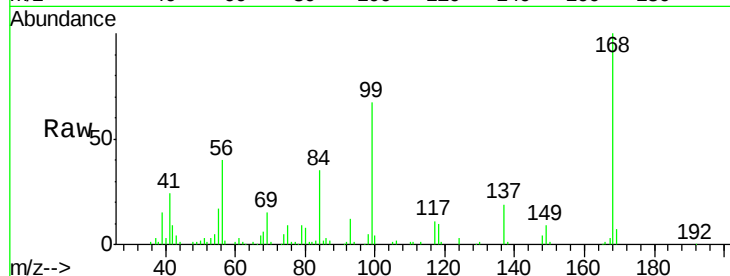
#31
Cyclohexane
Concen: 17.736 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.4	25.4	38.2#
84	87.0	63.3	94.9

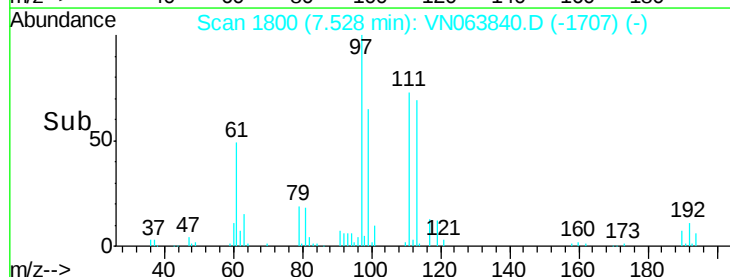
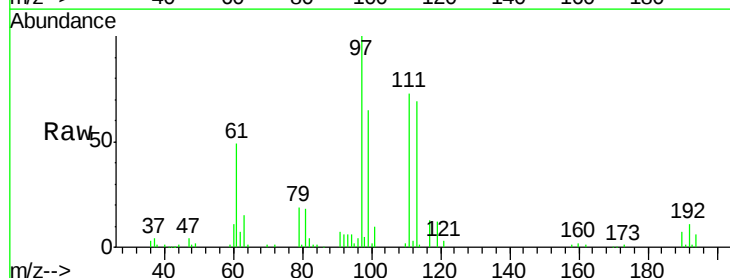
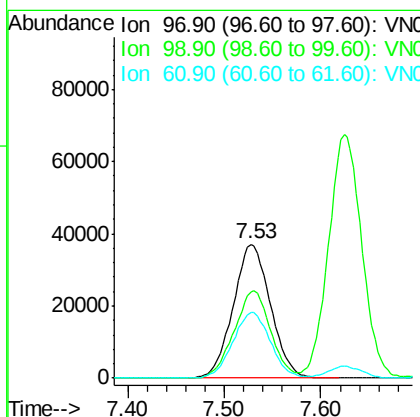
Manual Integrations
APPROVED

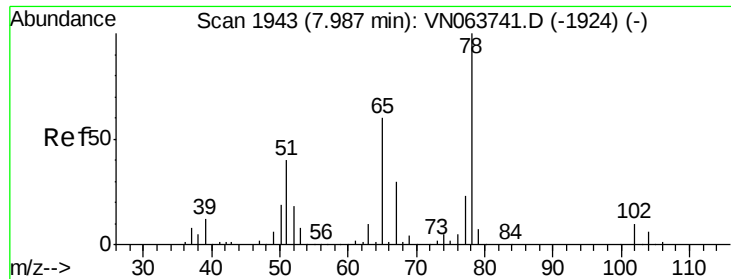
MMDadoda
10/5/2020 5:35:34 PM



#32
1,1,1-Trichloroethane
Concen: 19.498 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	49.5	38.7	58.1





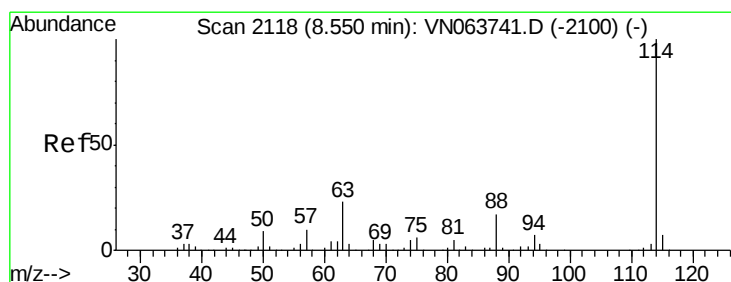
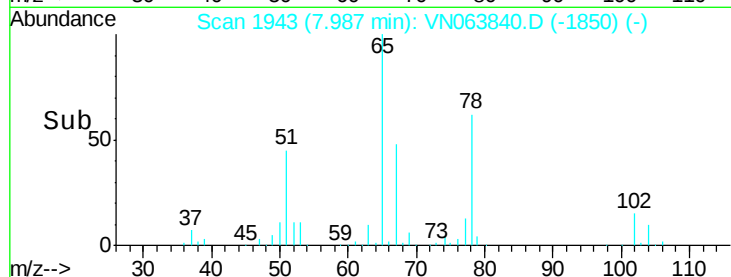
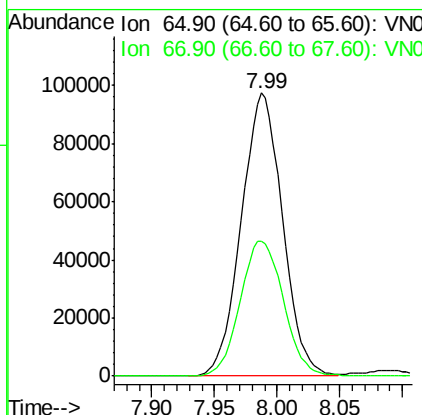
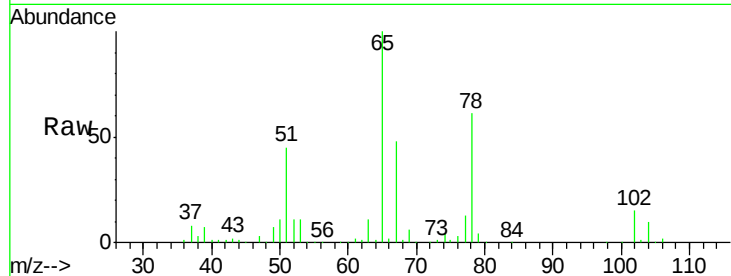
#33
 1,2-Dichloroethane-d4
 Concen: 54.754 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	222791		
67	50.2	0.0	99.6	

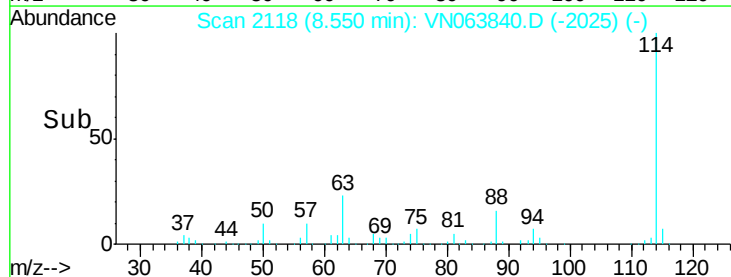
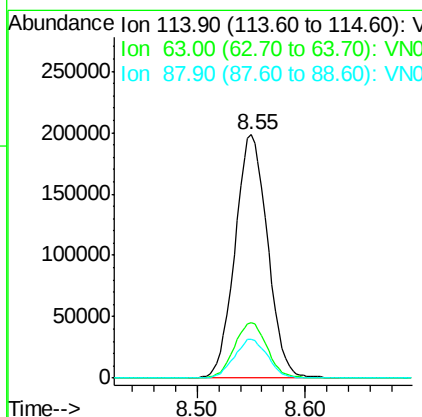
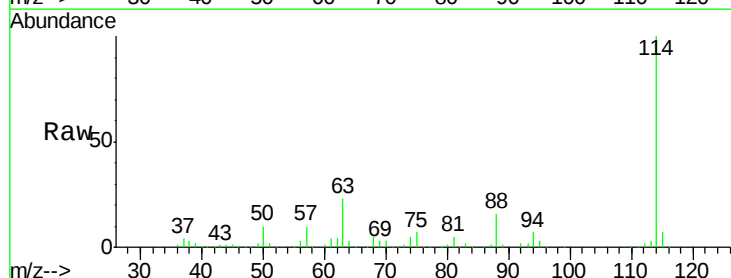
Manual Integrations
 APPROVED

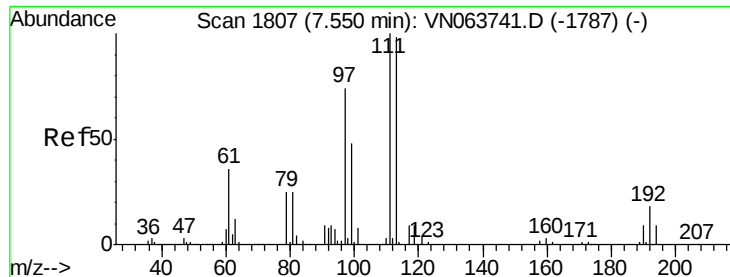
MMDadoda
 10/5/2020 5:35:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	417766		
63	22.6	0.0	45.0	
88	16.2	0.0	34.0	





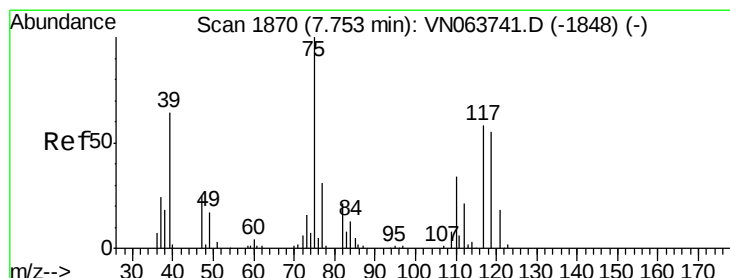
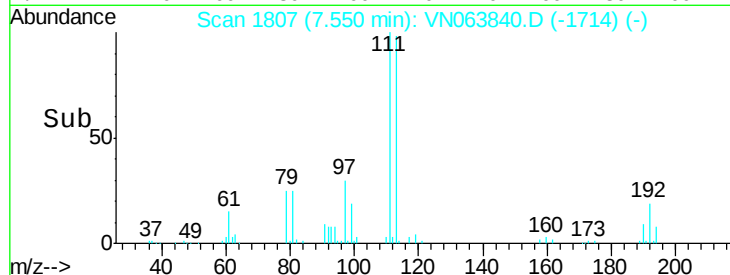
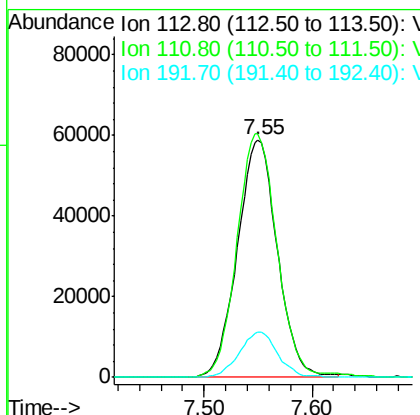
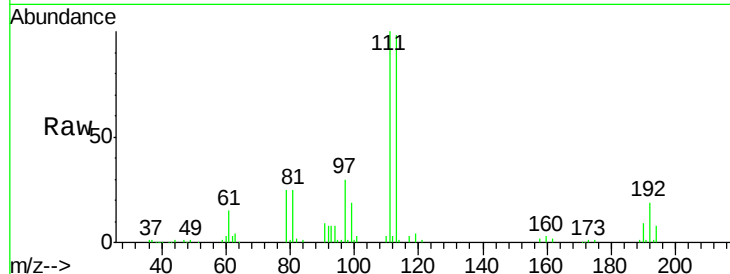
#35
 Dibromofluoromethane
 Concen: 52.264 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	151503		
111	102.4	81.8	122.8	
192	18.3	14.2	21.2	

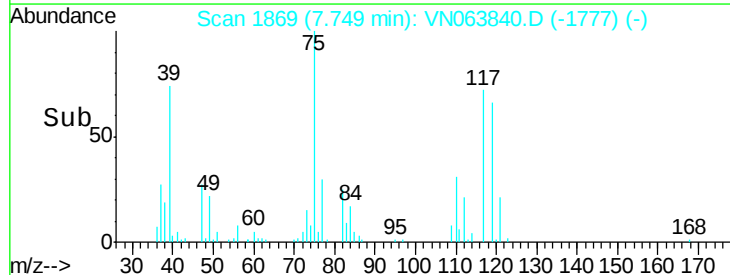
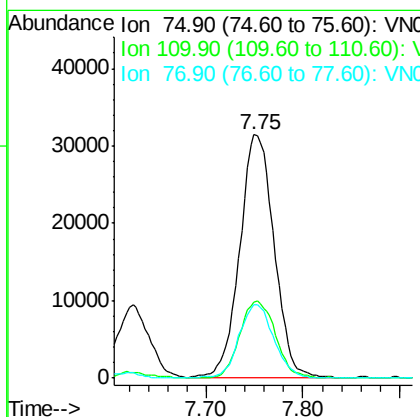
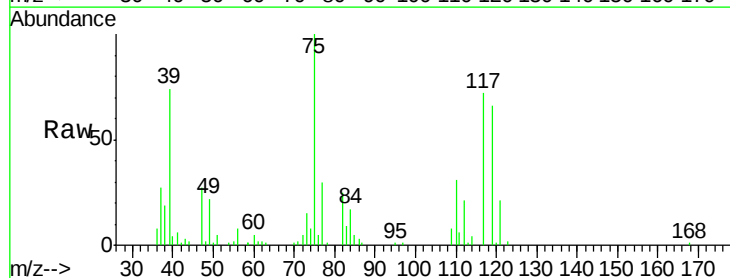
Manual Integrations
 APPROVED

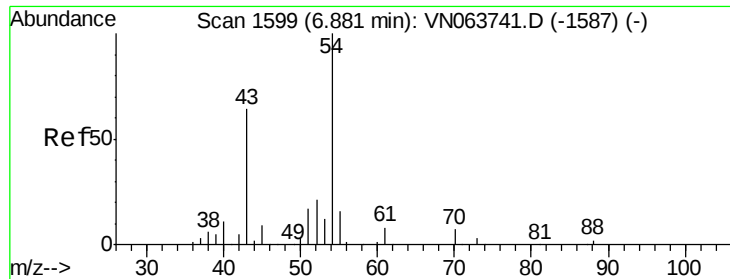
MMDadoda
 10/5/2020 5:35:34 PM



#36
 1,1-Dichloropropene
 Concen: 18.453 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	78099		
110	32.6	16.9	50.6	
77	30.5	24.5	36.7	





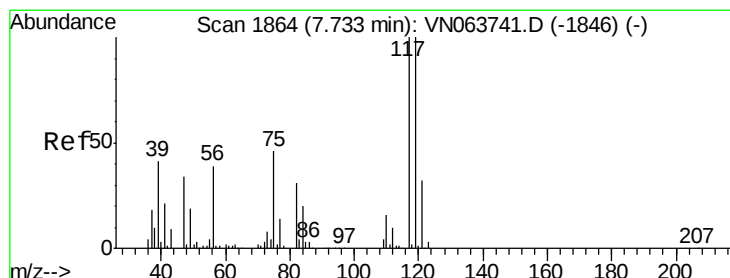
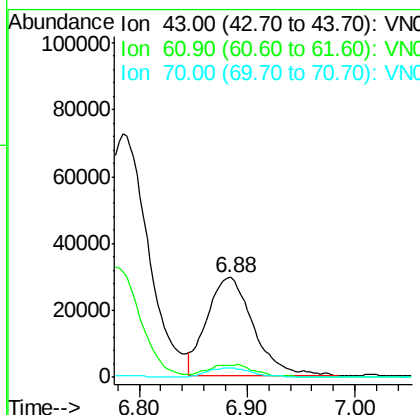
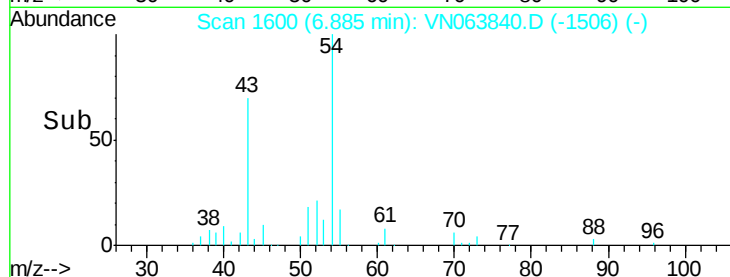
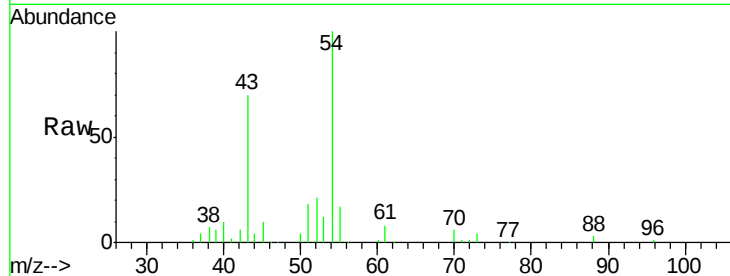
#37
Ethyl Acetate
Concen: 21.010 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion	43	61	70
Resp	88347		
Ratio	100	4.1	9.2
Lower		10.4	7.3
Upper		15.6#	10.9

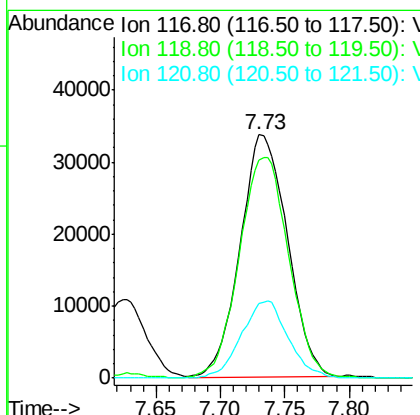
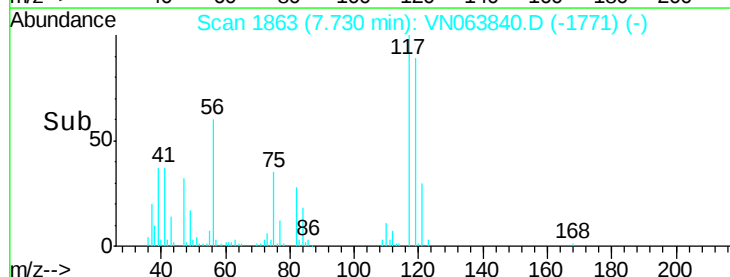
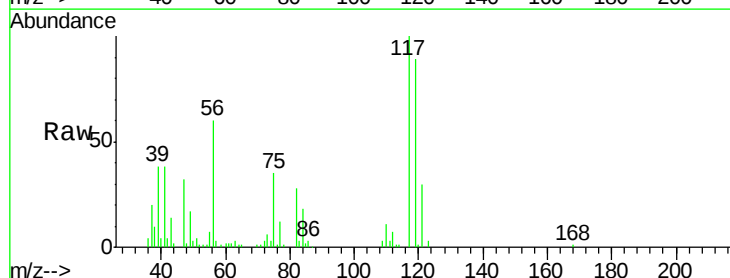
Manual Integrations
APPROVED

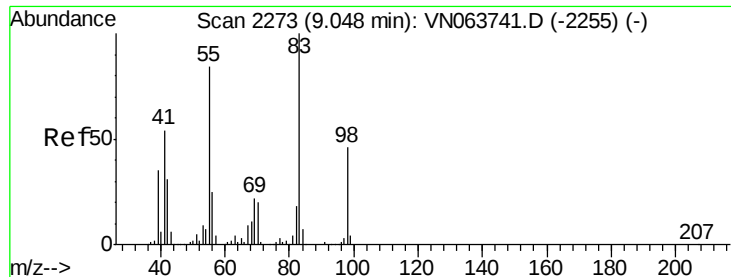
MMDadoda
10/5/2020 5:35:34 PM



#38
Carbon Tetrachloride
Concen: 18.099 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion	117	119	121
Resp	85899		
Ratio	100	89.3	30.7
Lower		80.1	25.7
Upper		120.1	38.5





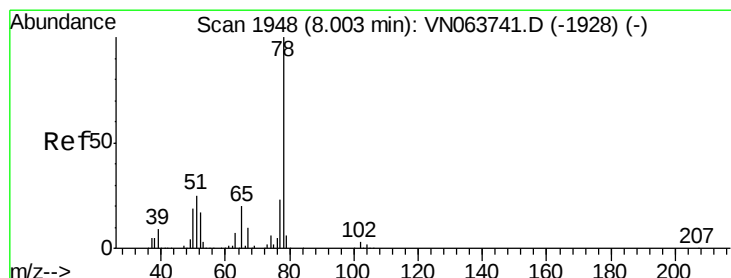
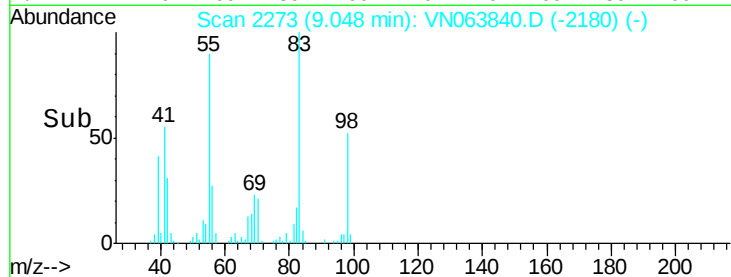
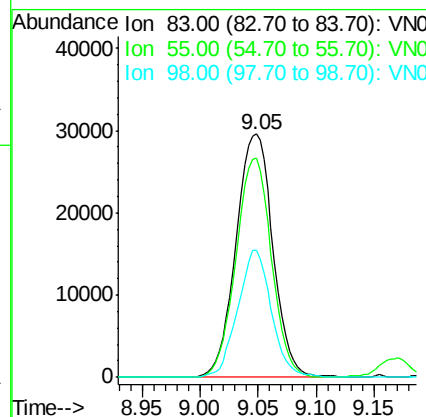
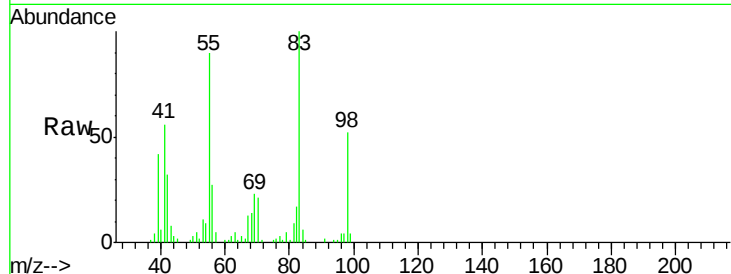
#39
Methvlcvclohexane
Concen: 15.502 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.1	67.1	100.7
98	52.0	36.6	54.8

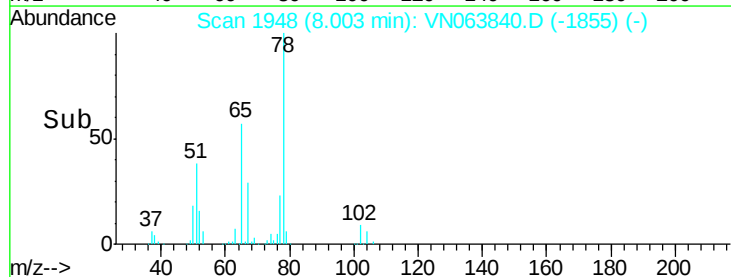
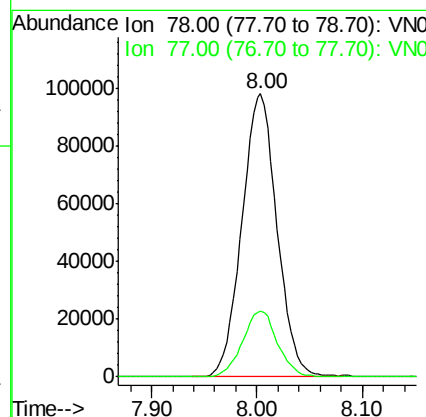
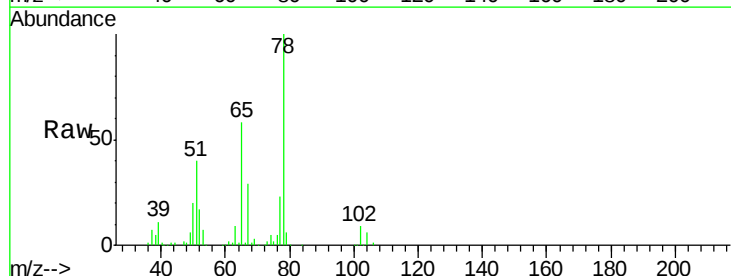
Manual Integrations
APPROVED

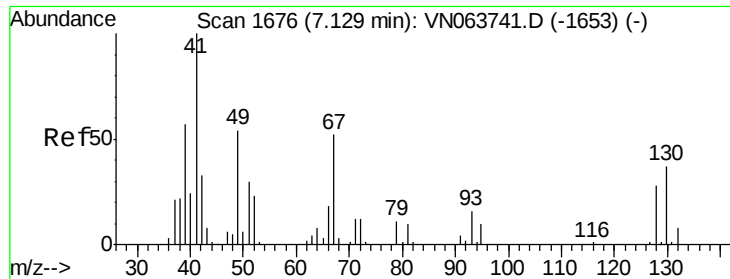
MMDadoda
10/5/2020 5:35:34 PM



#40
Benzene
Concen: 18.794 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1





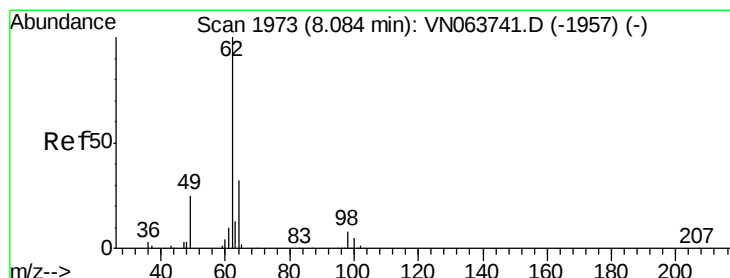
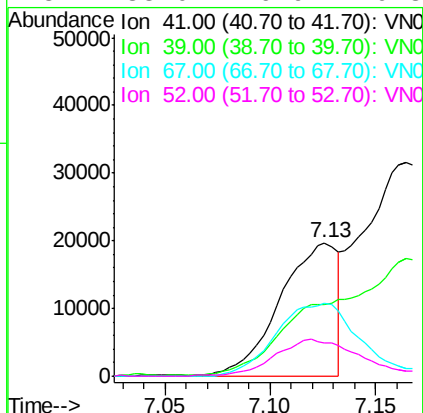
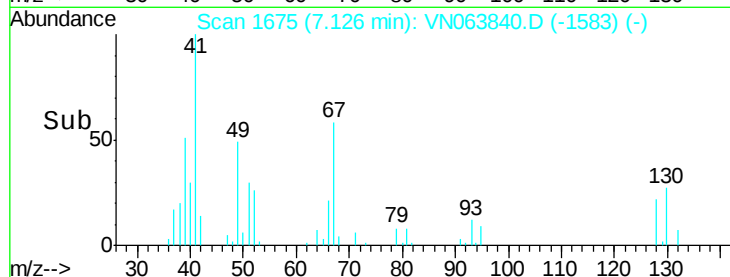
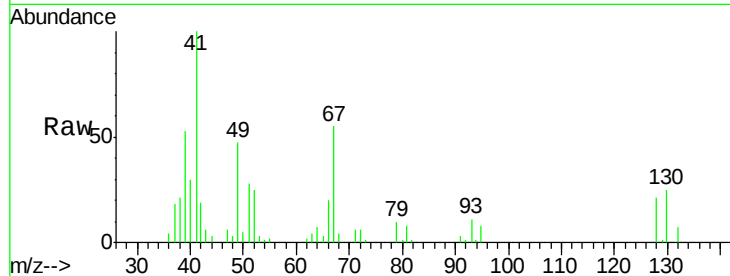
#41
Methacrylonitrile
Concen: 20.095 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion	41	Resp	37555
Ion Ratio	Lower	Upper	
41	100		
39	0.0	42.5	63.7#
67	79.7	57.4	86.2
52	38.0	26.9	40.3

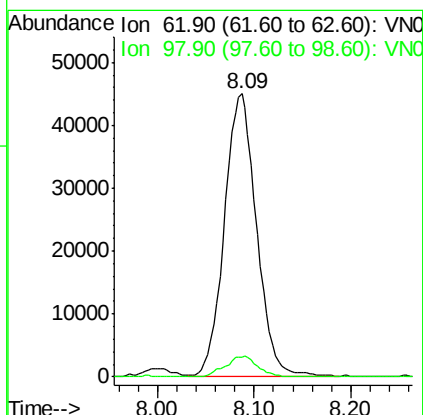
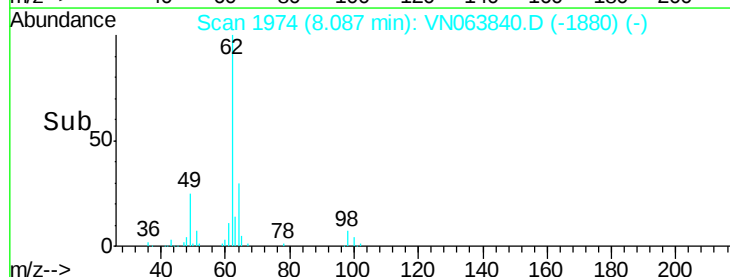
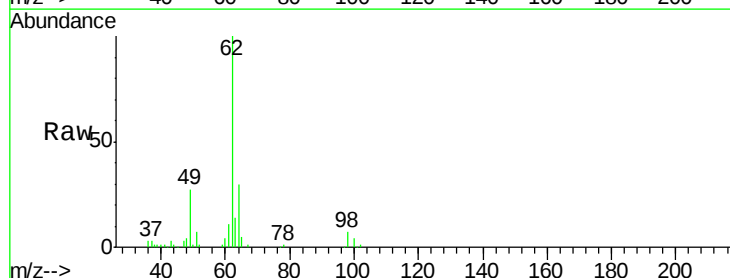
Manual Integrations
APPROVED

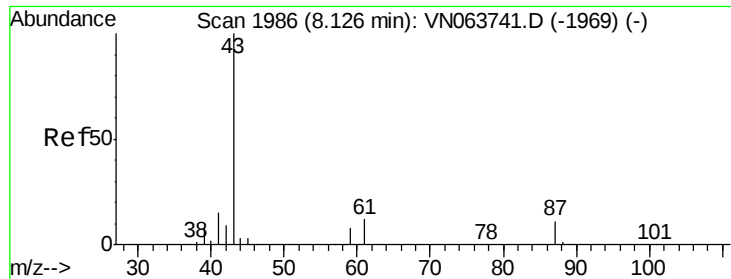
MMDadoda
10/5/2020 5:35:34 PM



#42
1,2-Dichloroethane
Concen: 20.024 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion	62	Resp	103327
Ion Ratio	Lower	Upper	
62	100		
98	7.3	0.0	15.0





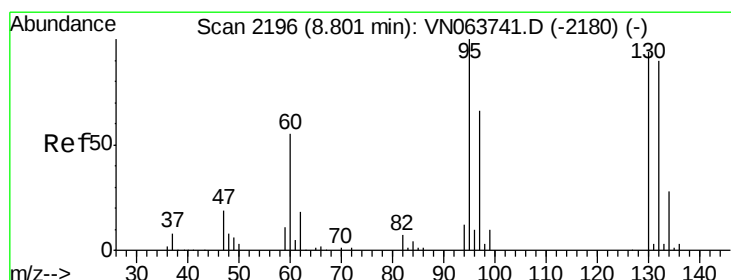
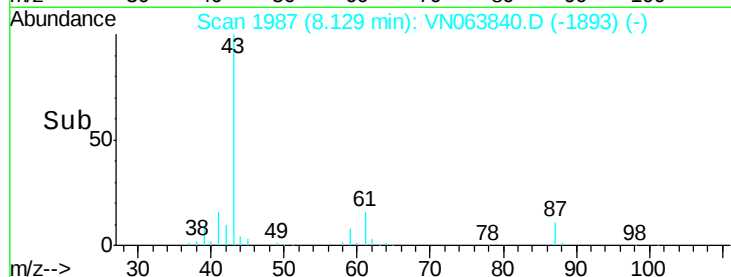
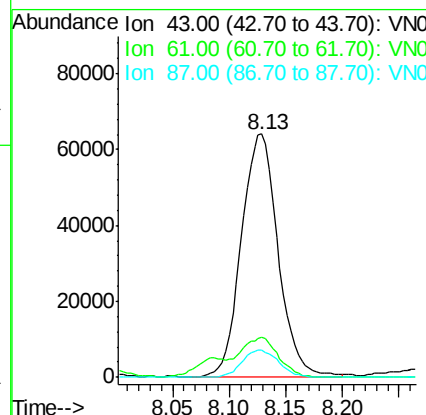
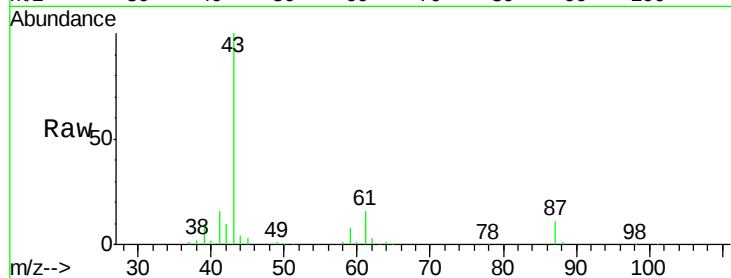
#43
Isopropyl Acetate
Concen: 20.761 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	14.2	21.4
87	11.2	9.0	13.6

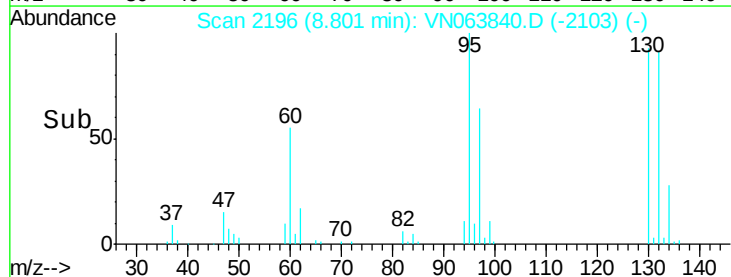
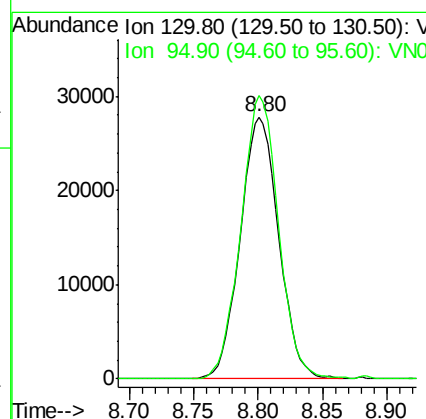
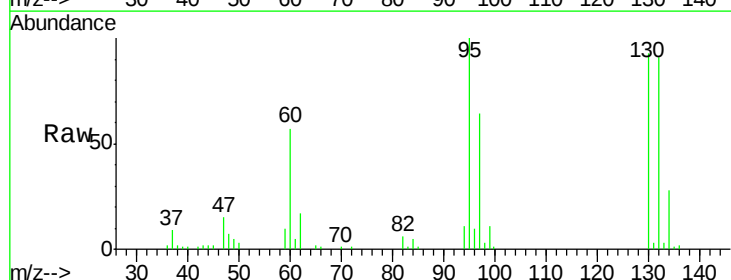
Manual Integrations
APPROVED

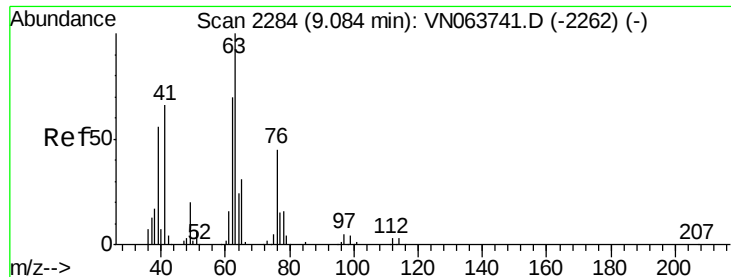
MMDadoda
10/5/2020 5:35:34 PM



#44
Trichloroethene
Concen: 18.215 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.0	0.0	213.6





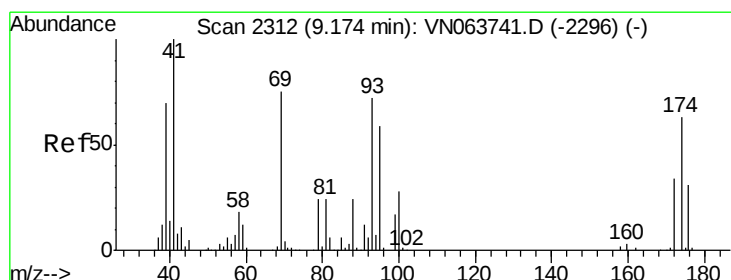
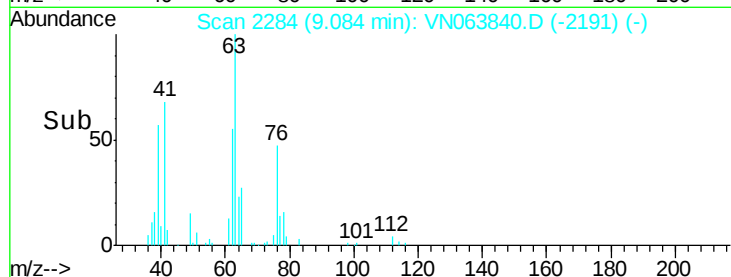
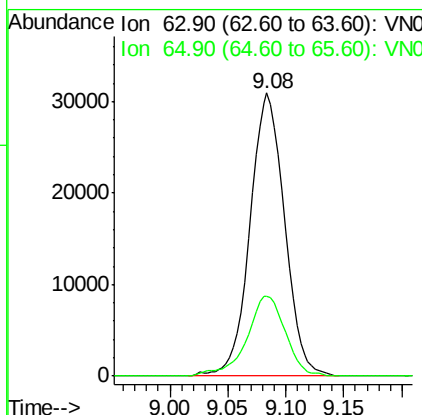
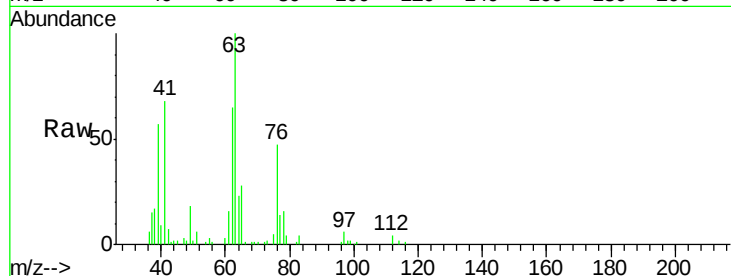
#45
 1,2-Dichloropropane
 Concen: 19.697 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS02

Tot Ion: 63 Resp: 64305
 Ion Ratio Lower Upper
 63 100
 65 28.1 24.7 37.1

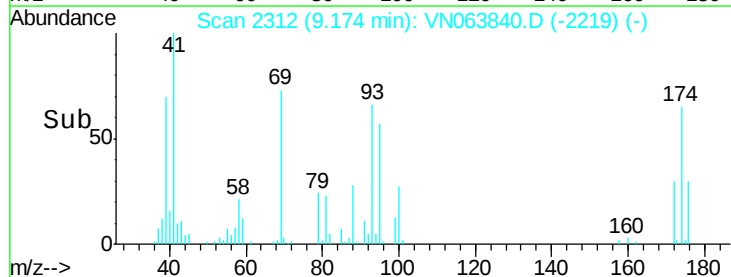
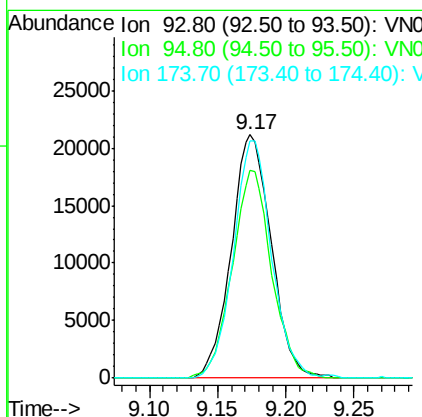
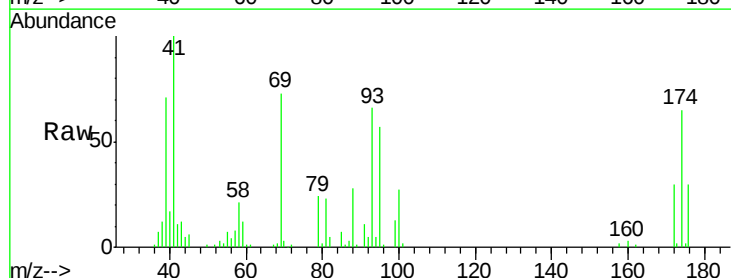
Manual Integrations
 APPROVED

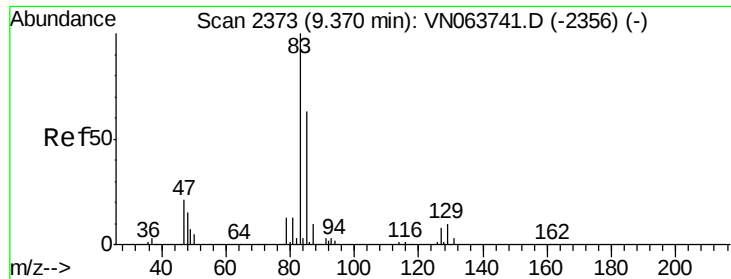
MMDadoda
 10/5/2020 5:35:34 PM



#46
 Dibromomethane
 Concen: 19.095 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Tgt Ion: 93 Resp: 43007
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.3 99.5
 174 93.0 72.7 109.1





#47

Bromodichloromethane

Concen: 19.435 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Instrument :

MSVOA_N

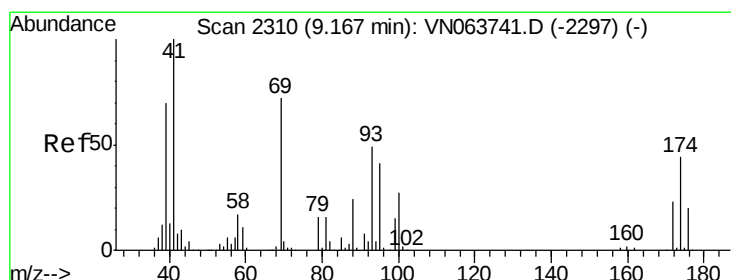
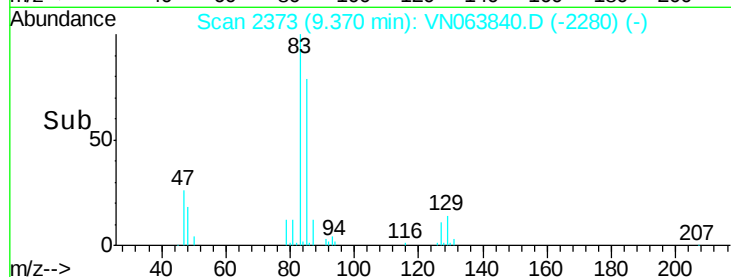
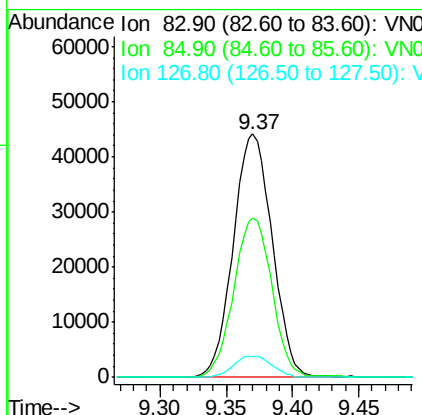
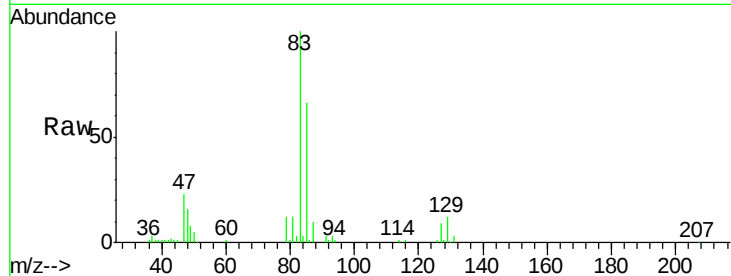
ClientSampleId :

VN1002WBS02

Tot Ion:	83	Resp:	90213
Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.6	75.8
127	8.8	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:34 PM



#48

Methyl methacrylate

Concen: 21.104 ug/l

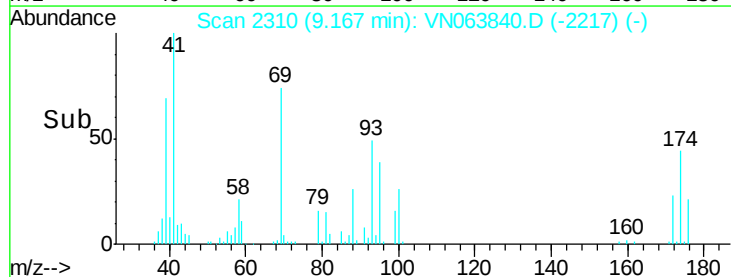
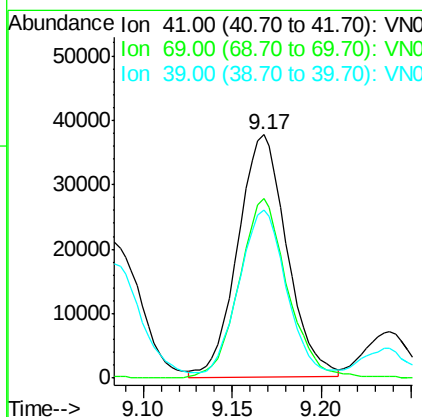
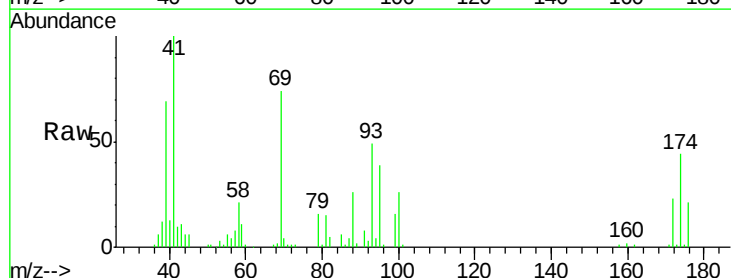
RT: 9.17 min Scan# 2310

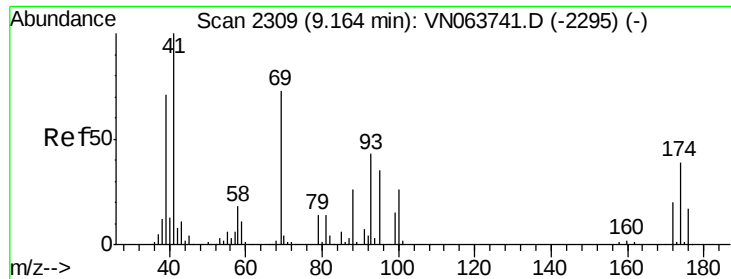
Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Tgt Ion:	41	Resp:	72319
Ion	Ratio	Lower	Upper
41	100		
69	73.0	60.9	91.3
39	67.3	57.5	86.3





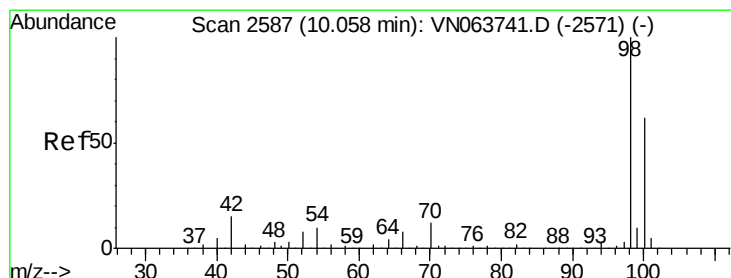
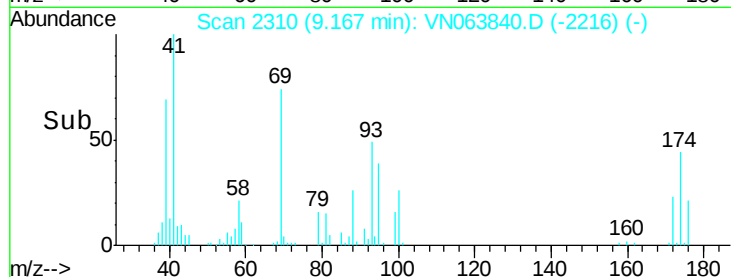
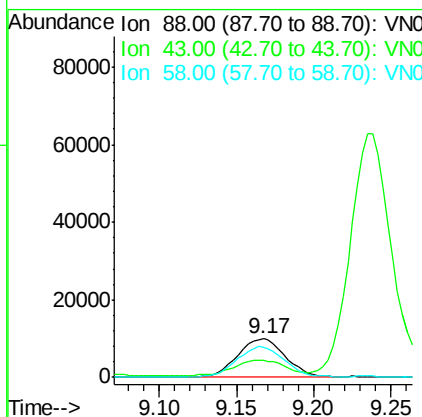
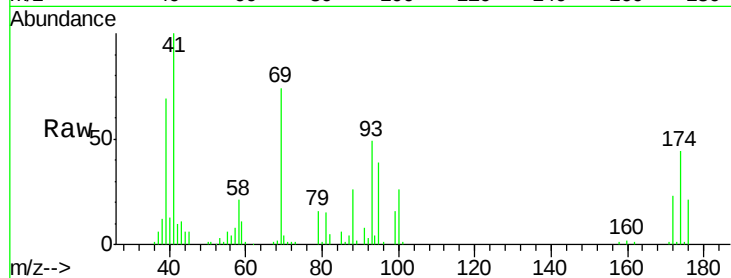
#49
1,4-Dioxane
Concen: 442.121 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.4	33.1	49.7
58	79.5	58.9	88.3

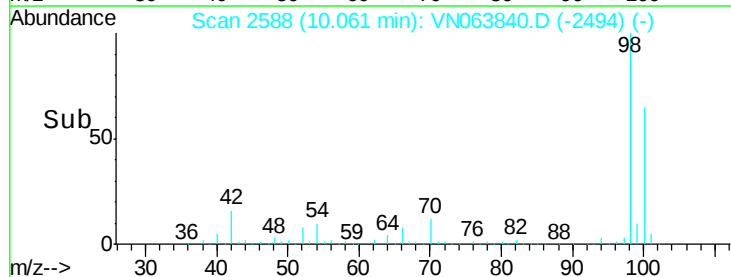
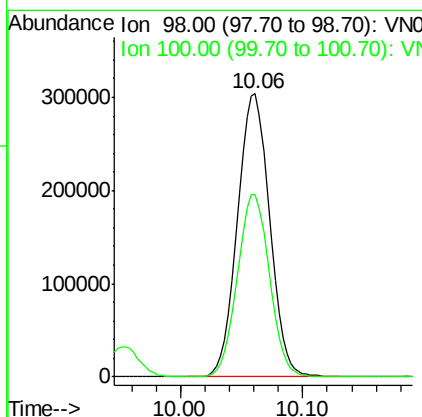
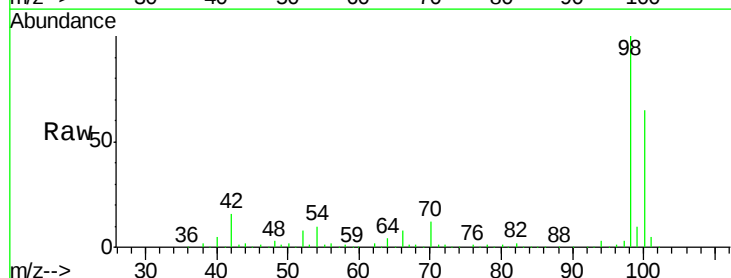
Manual Integrations
APPROVED

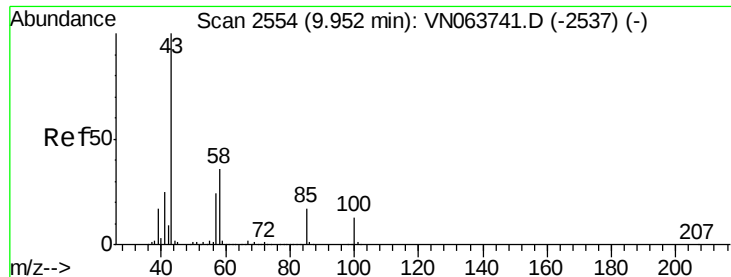
MMDadoda
10/5/2020 5:35:34 PM



#50
Toluene-d8
Concen: 50.556 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	49.8	74.6





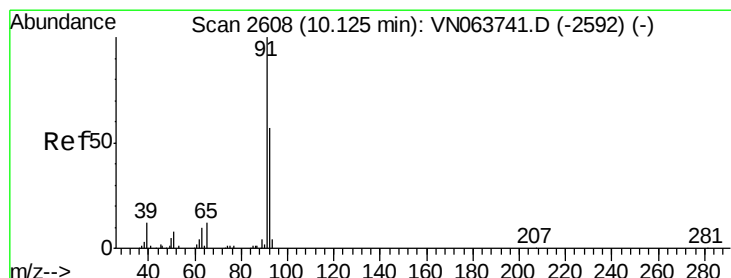
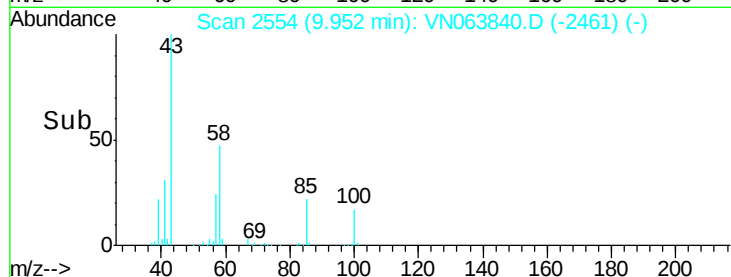
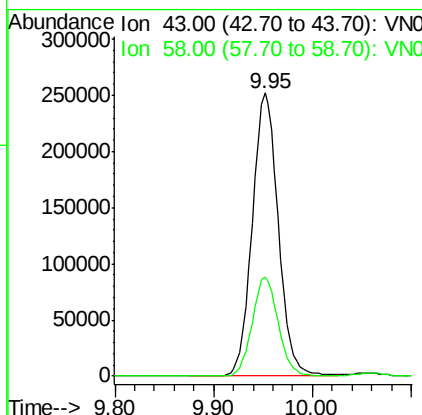
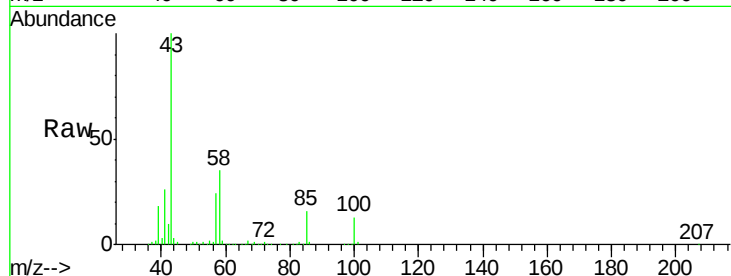
#51
4-Methyl-2-Pentanone
Concen: 111.589 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampled :
VN1002WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.4	42.6

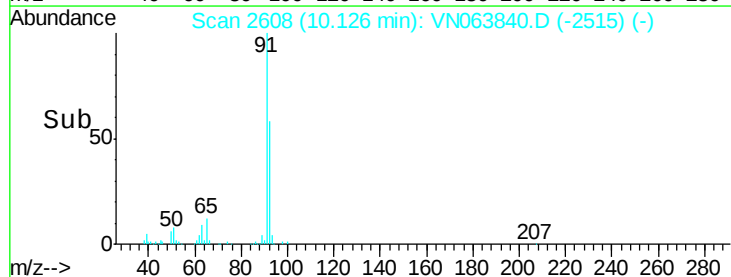
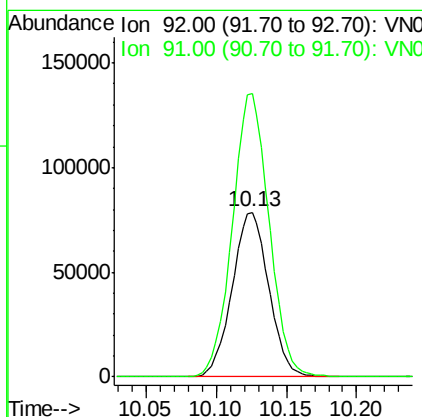
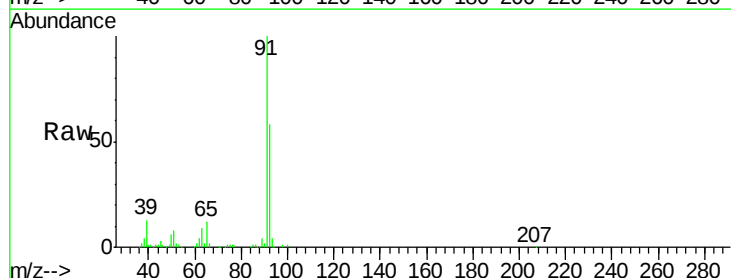
Manual Integrations
APPROVED

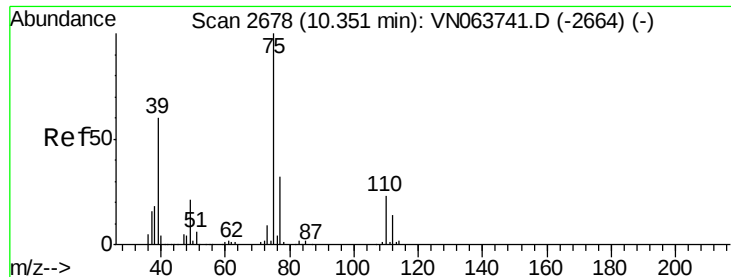
MMDadoda
10/5/2020 5:35:34 PM



#52
Toluene
Concen: 19.132 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.4	140.6	210.8





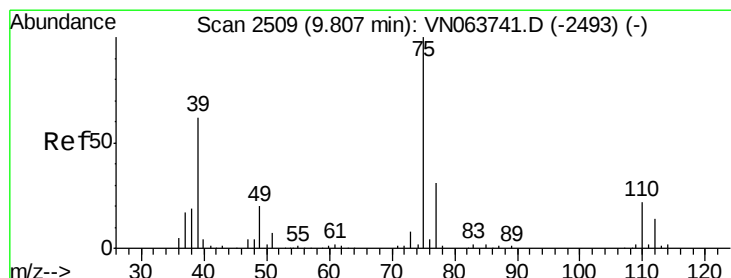
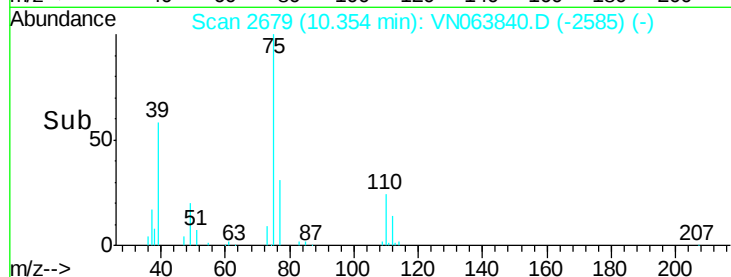
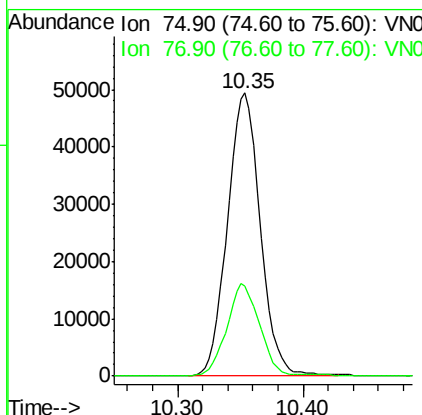
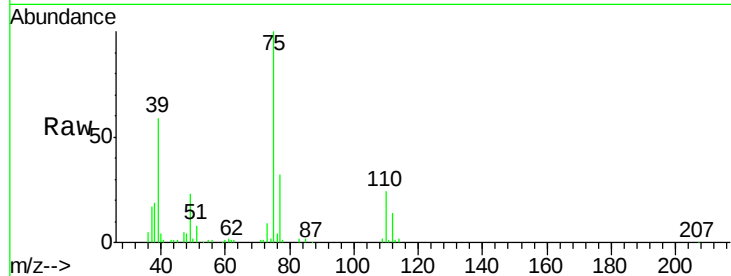
#53
t-1,3-Dichloropropene
Concen: 18.095 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampled :
VN1002WBS02

Tot Ion: 75 Resp: 90031
Ion Ratio Lower Upper
75 100
77 32.0 25.3 37.9

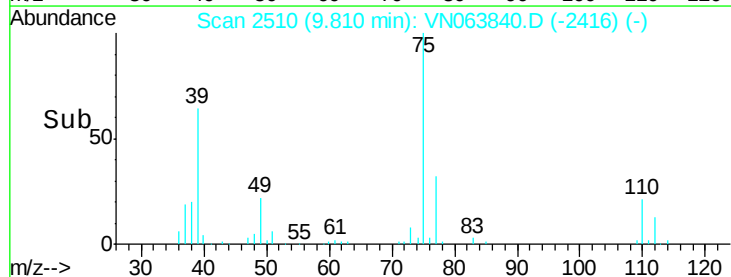
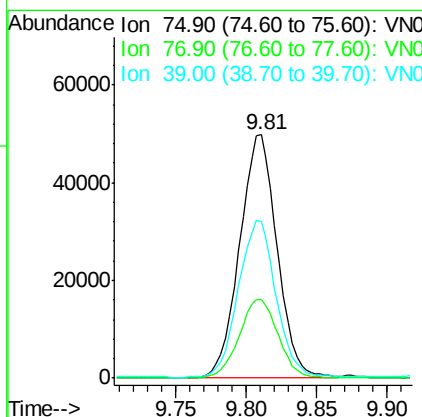
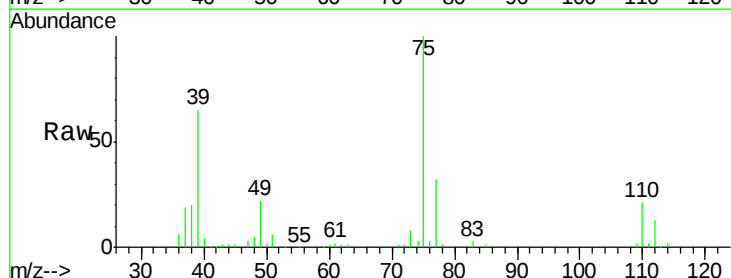
Manual Integrations
APPROVED

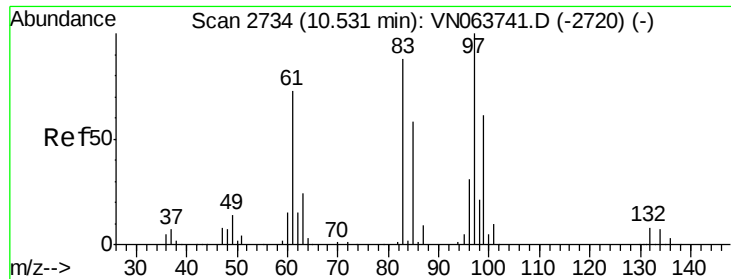
MMDadoda
10/5/2020 5:35:34 PM



#54
cis-1,3-Dichloropropene
Concen: 17.809 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion: 75 Resp: 92672
Ion Ratio Lower Upper
75 100
77 32.2 24.6 36.8
39 64.0 49.7 74.5





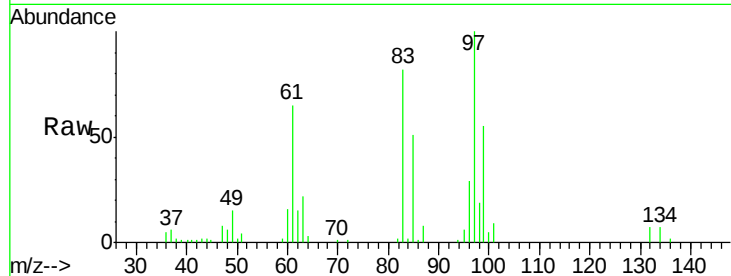
#55
 1,1,2-Trichloroethane
 Concen: 20.163 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS02

Tot Ion:	97	Resp:	60463
Ion	Ratio	Lower	Upper
97	100		
83	82.1	70.7	106.1
85	51.4	46.1	69.1
99	55.5	48.8	73.2

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:35:34 PM

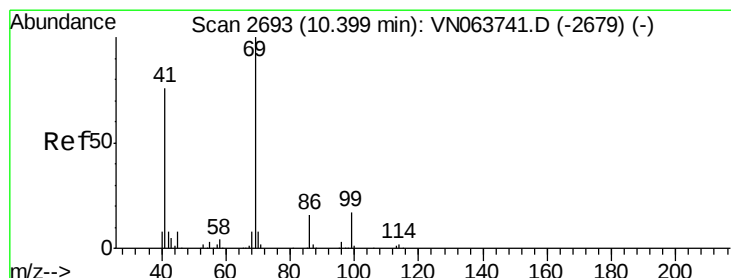
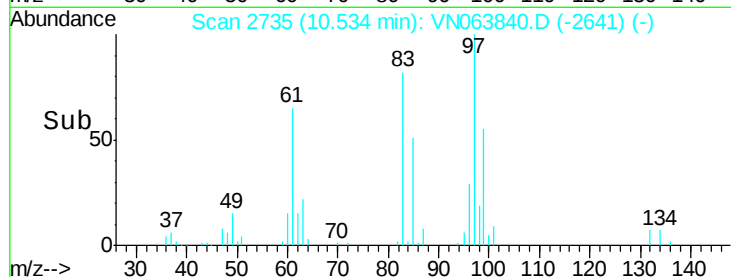
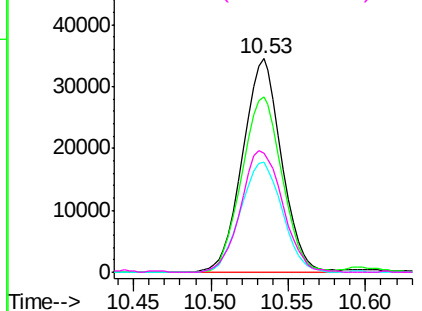


Abundance Ion 96.90 (96.60 to 97.60): VN063840.D (-2641) (-)

Ion 82.90 (82.60 to 83.60): VN063840.D (-2641) (-)

Ion 84.90 (84.60 to 85.60): VN063840.D (-2641) (-)

Ion 98.90 (98.60 to 99.60): VN063840.D (-2641) (-)



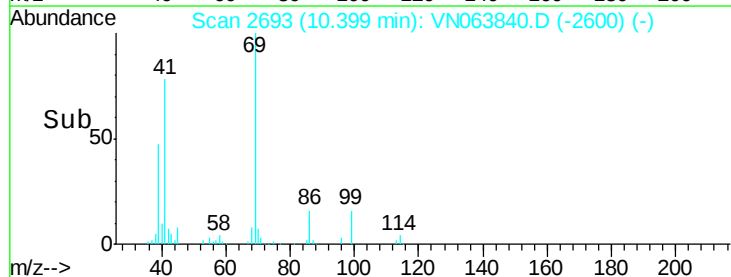
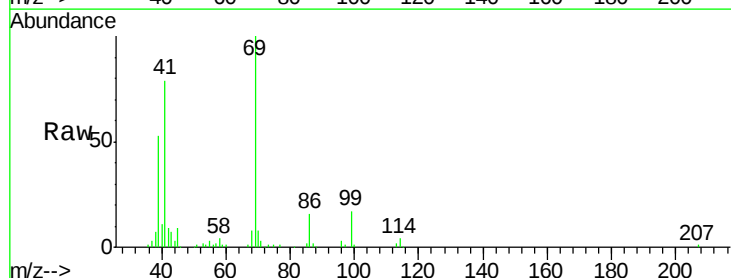
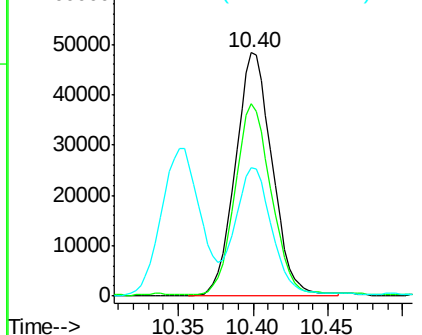
#56
 Ethyl methacrylate
 Concen: 19.529 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

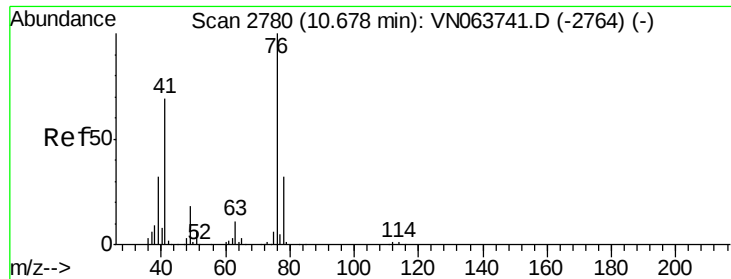
Tgt Ion:	69	Resp:	83009
Ion	Ratio	Lower	Upper
69	100		
41	77.7	61.1	91.7
39	52.4	42.2	63.4

Abundance Ion 69.00 (68.70 to 69.70): VN063840.D (-2600) (-)

Ion 41.00 (40.70 to 41.70): VN063840.D (-2600) (-)

Ion 39.00 (38.70 to 39.70): VN063840.D (-2600) (-)





#57

1,3-Dichloropropane

Concen: 19.968 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS02

Tot Ion: 76 Resp: 101300

Ion Ratio Lower Upper

76 100

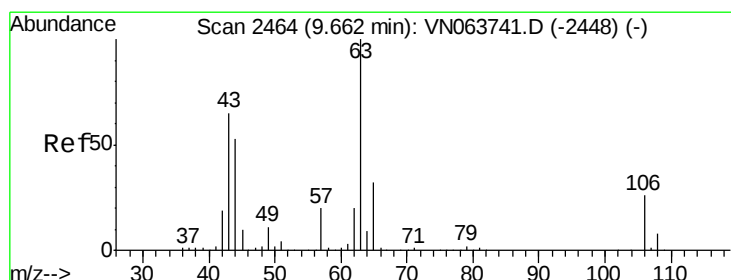
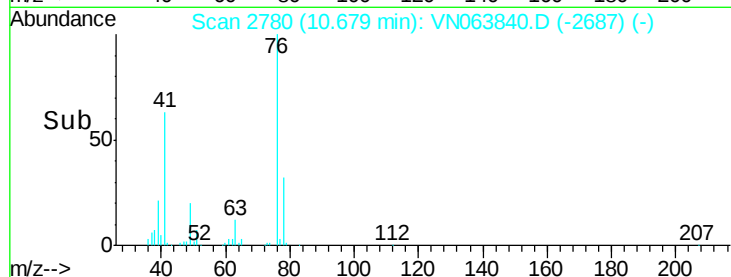
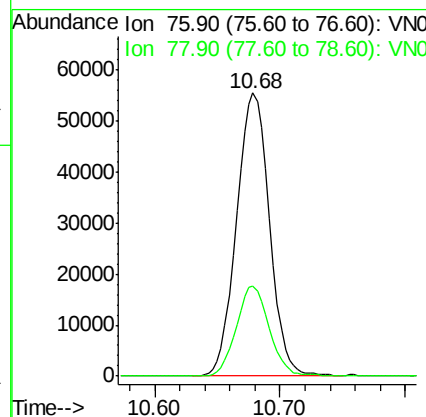
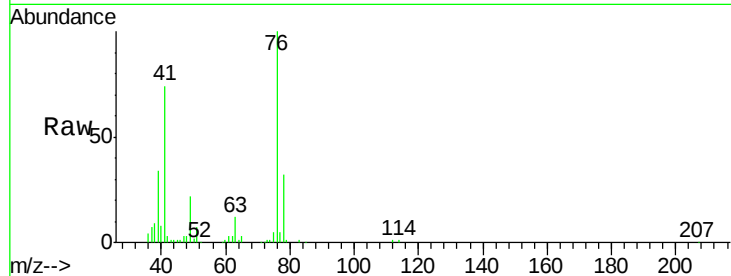
78 31.7 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

10/5/2020 5:35:34 PM



#58

2-Chloroethyl Vinyl ether

Concen: 101.536 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063840.D

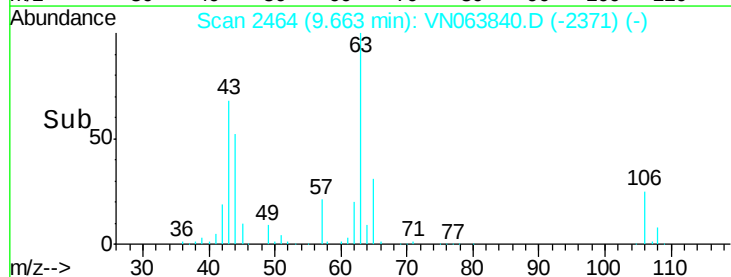
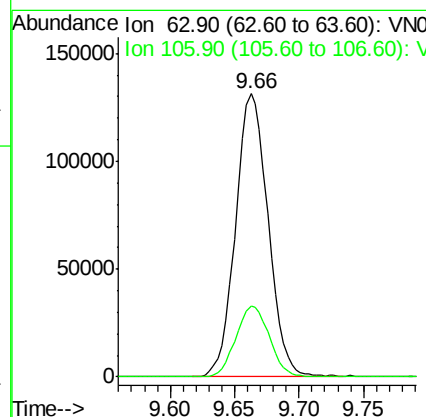
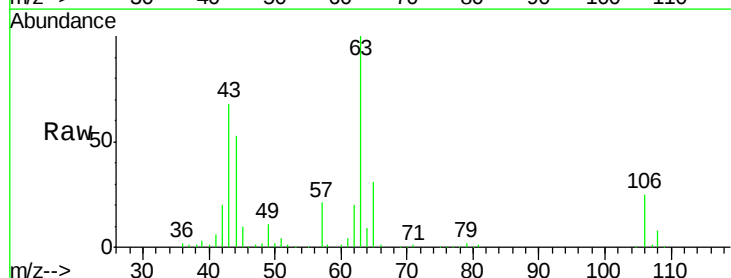
Acq: 2 Oct 2020 23:56

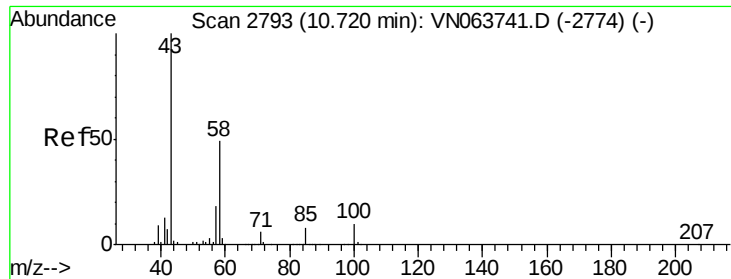
Tgt Ion: 63 Resp: 230855

Ion Ratio Lower Upper

63 100

106 25.7 20.7 31.1





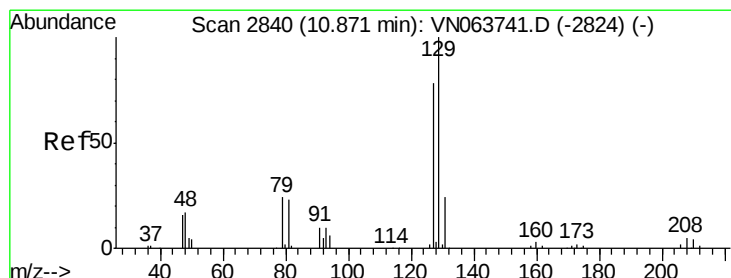
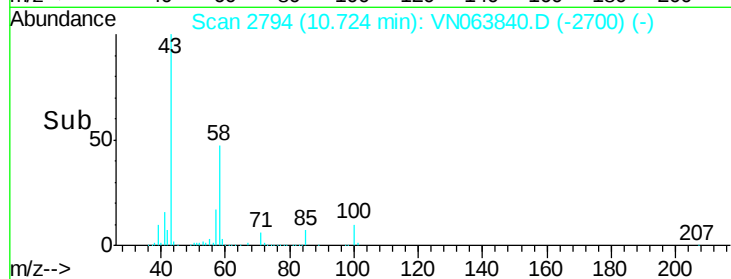
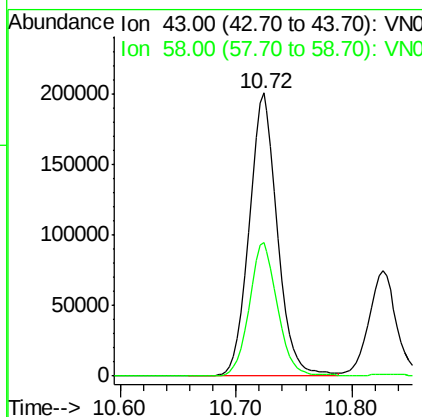
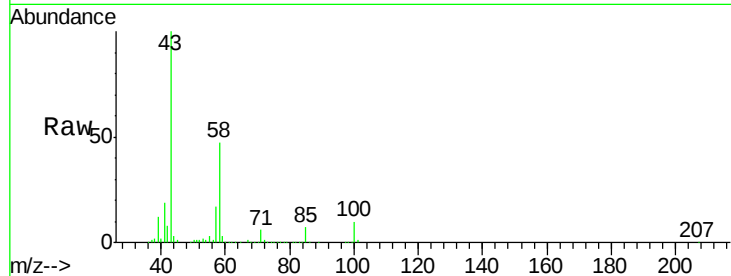
#59
2-Hexanone
Concen: 112.108 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion: 43 Resp: 338975
Ion Ratio Lower Upper
43 100
58 47.6 24.6 73.8

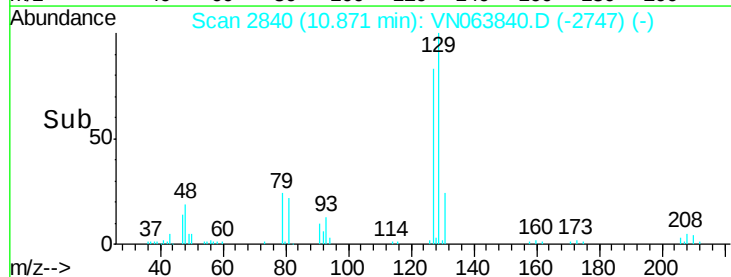
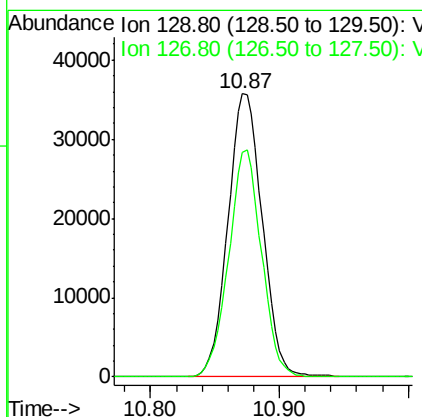
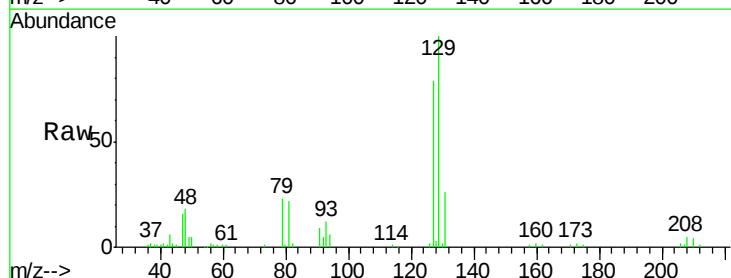
Manual Integrations
APPROVED

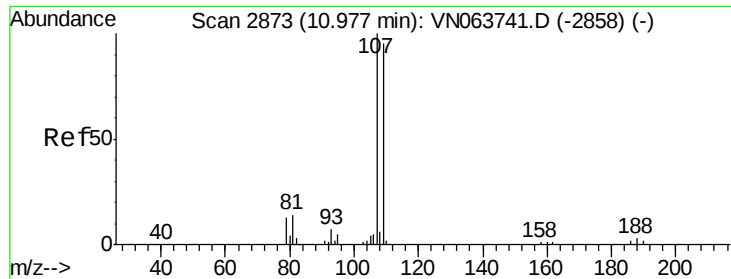
MMDadoda
10/5/2020 5:35:34 PM



#60
Dibromochloromethane
Concen: 18.933 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion:129 Resp: 66118
Ion Ratio Lower Upper
129 100
127 76.4 38.9 116.7





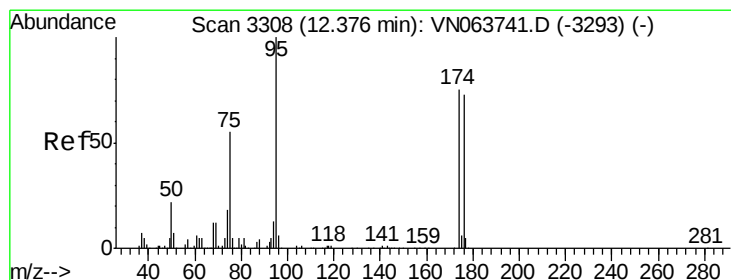
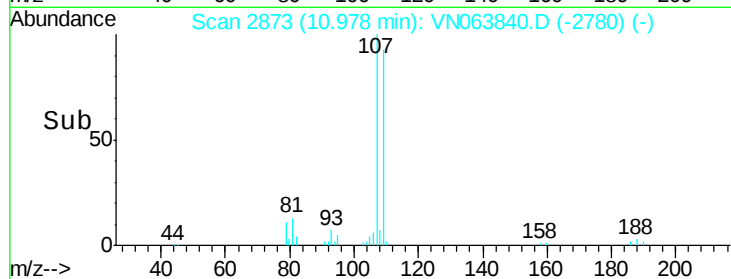
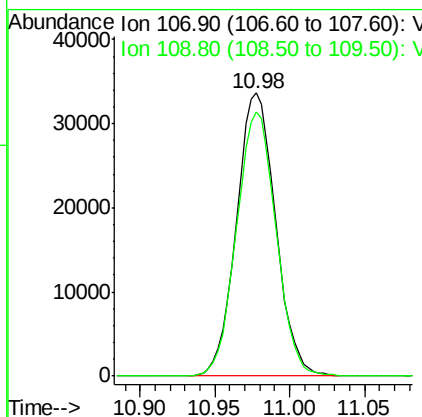
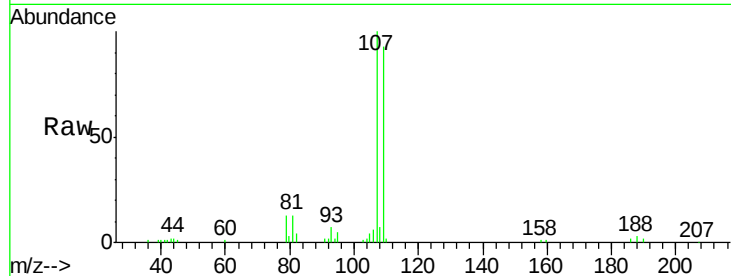
#61
 1,2-Dibromoethane
 Concen: 19.961 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.8	112.2

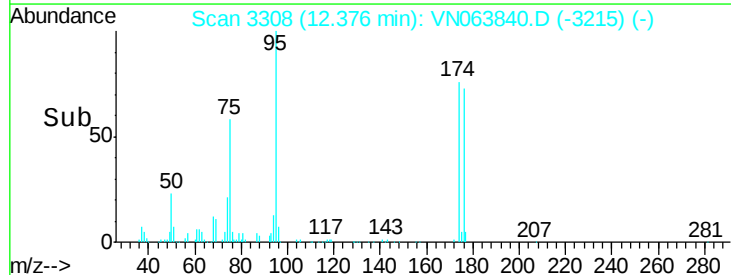
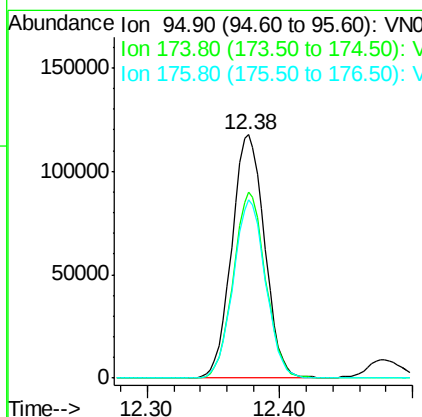
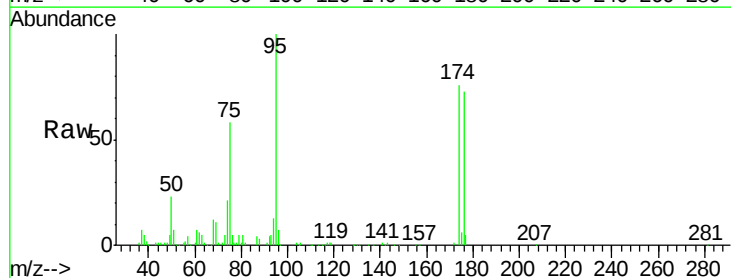
Manual Integrations
 APPROVED

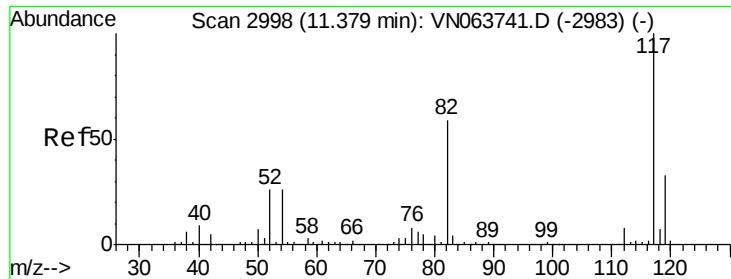
MMDadoda
 10/5/2020 5:35:34 PM



#62
 4-Bromofluorobenzene
 Concen: 48.940 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	150.6
176	72.3	0.0	145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS02

Tot Ion:117 Resp: 391999

Ion Ratio Lower Upper

117 100

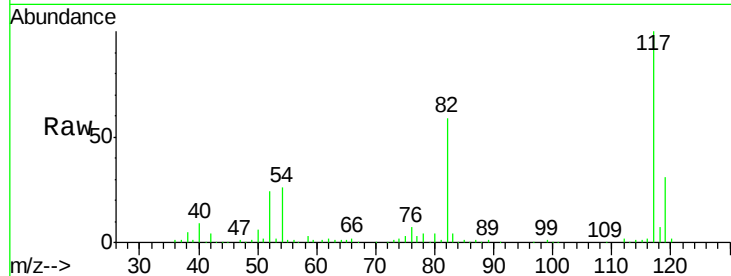
82 59.2 47.4 71.2

119 31.1 26.4 39.6

Manual Integrations
APPROVED

MMDadoda

10/5/2020 5:35:34 PM

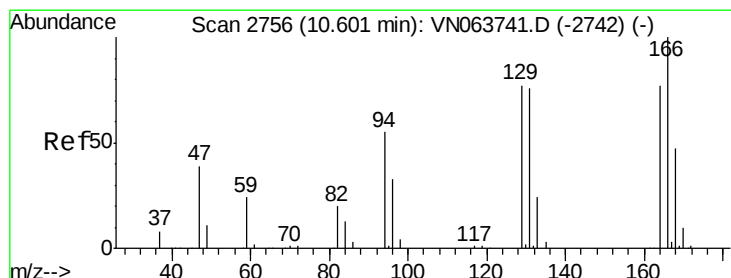
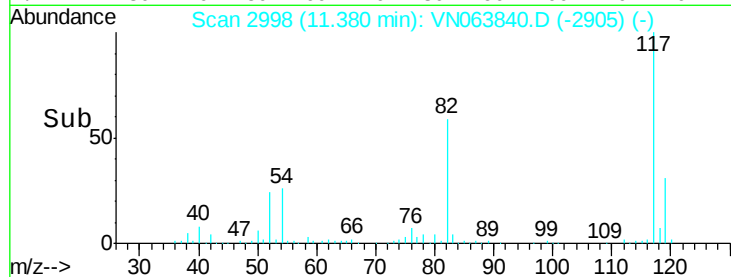
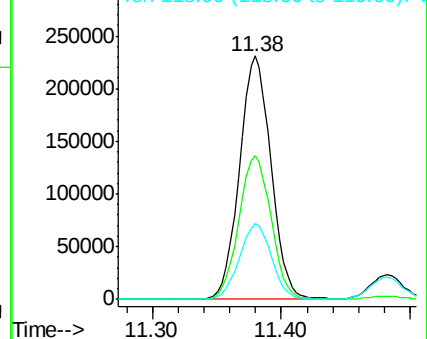


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 17.751 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Tgt Ion:164 Resp: 53835

Ion Ratio Lower Upper

164 100

166 119.8 103.9 155.9

129 92.6 80.3 120.5

131 91.7 78.9 118.3

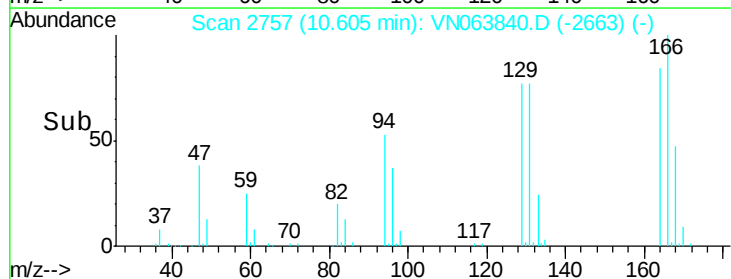
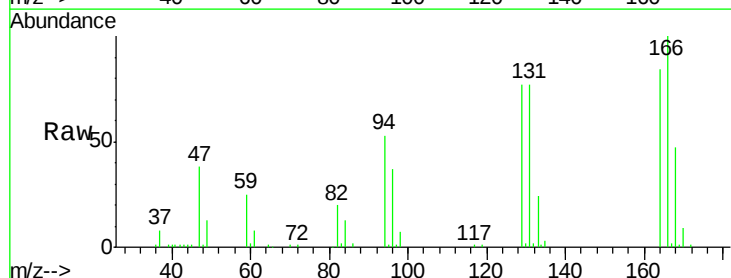
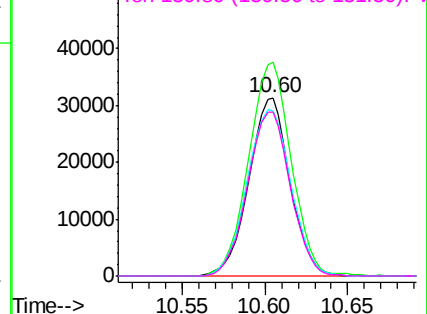
Abundance

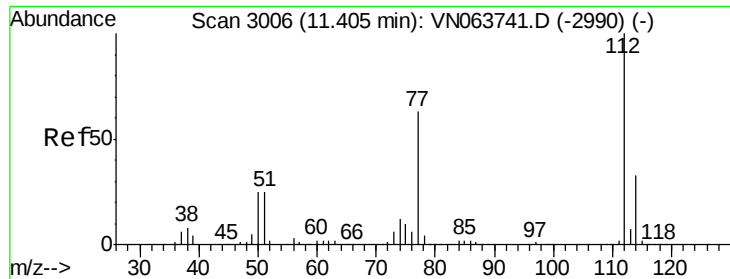
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





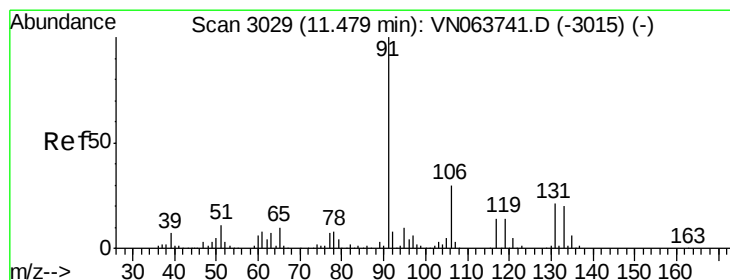
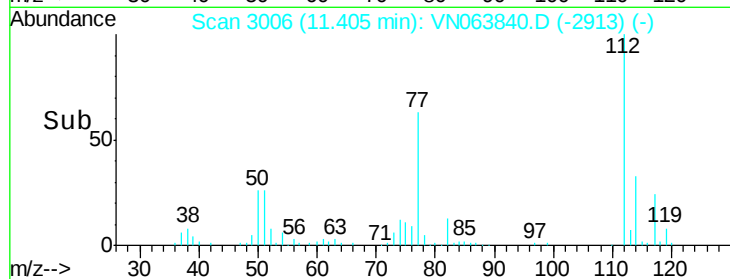
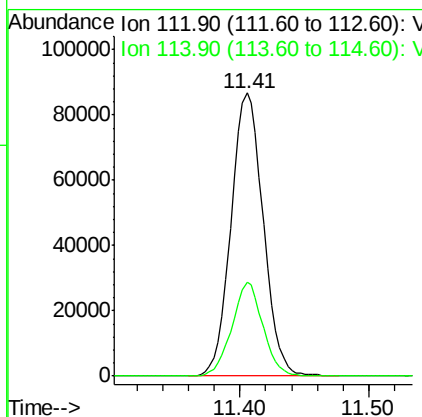
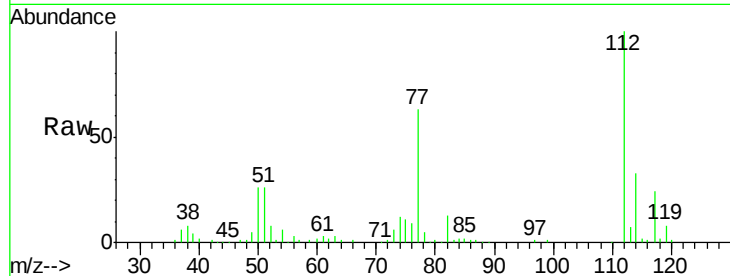
#65
Chlorobenzene
Concen: 18.719 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion:112 Resp: 150525
Ion Ratio Lower Upper
112 100
114 33.2 26.1 39.1

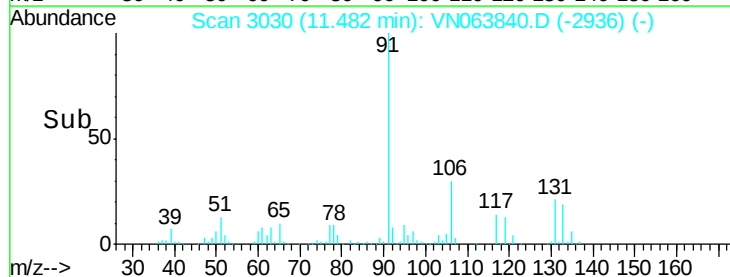
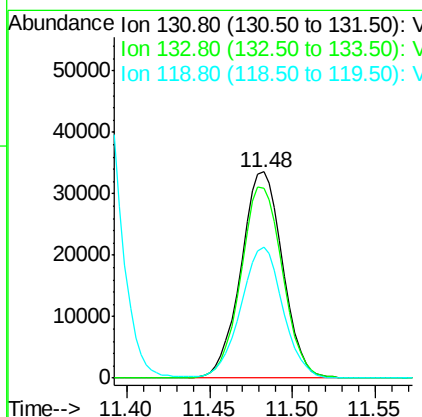
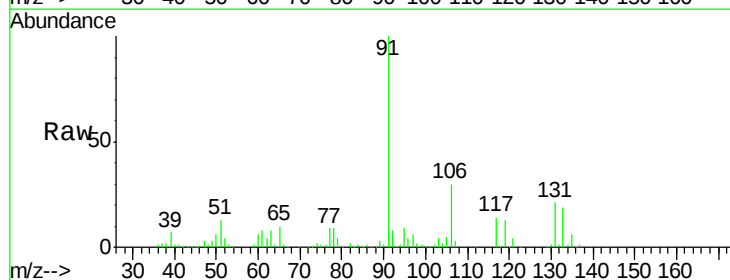
Manual Integrations
APPROVED

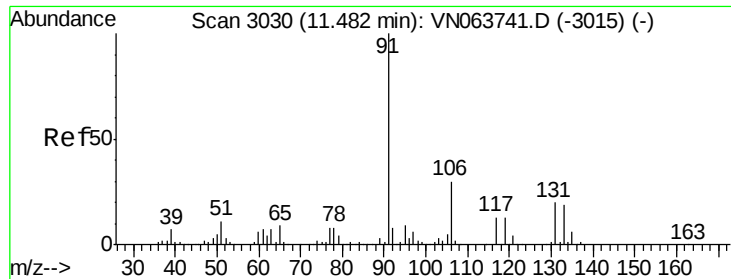
MMDadoda
10/5/2020 5:35:34 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.112 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion:131 Resp: 58917
Ion Ratio Lower Upper
131 100
133 92.6 47.3 141.8
119 64.0 32.6 97.7





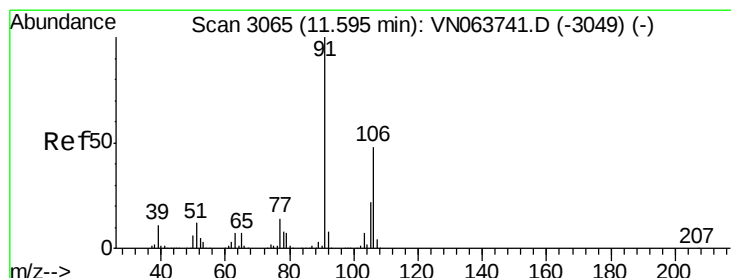
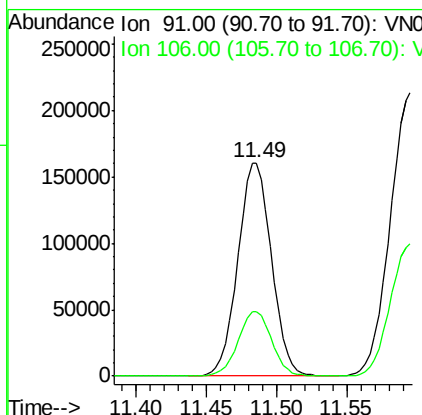
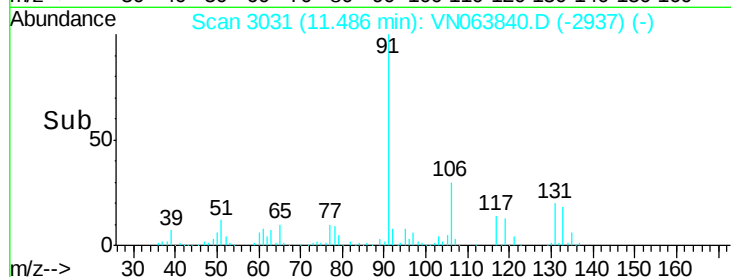
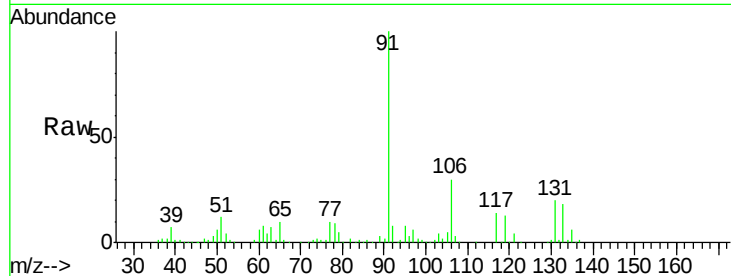
#67
Ethyl Benzene
Concen: 18.373 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion: 91 Resp: 268837
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2

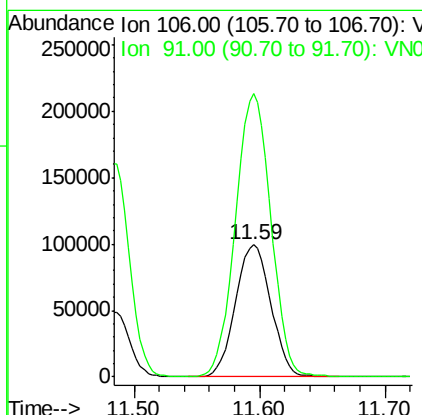
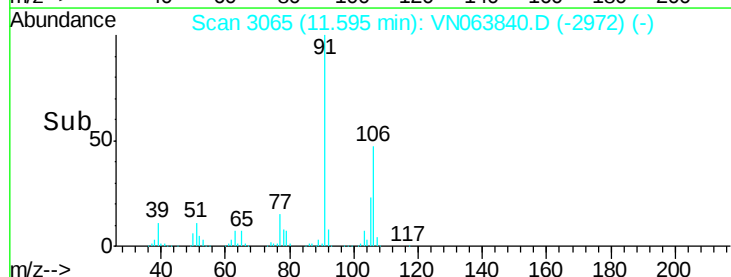
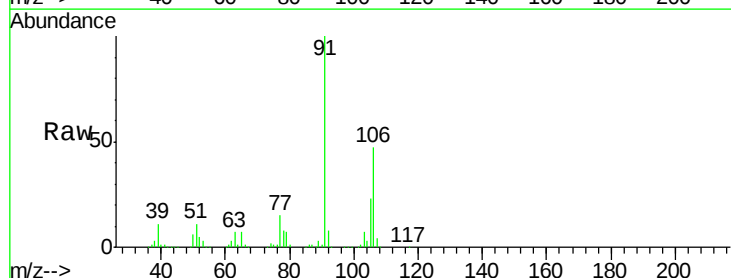
Manual Integrations
APPROVED

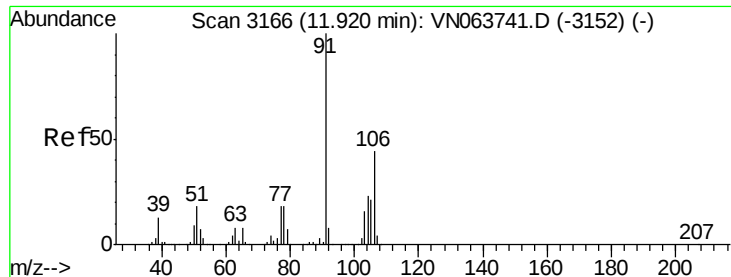
MMDadoda
10/5/2020 5:35:34 PM



#68
m/p-Xylenes
Concen: 35.902 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion: 106 Resp: 195785
Ion Ratio Lower Upper
106 100
91 212.6 168.0 252.0





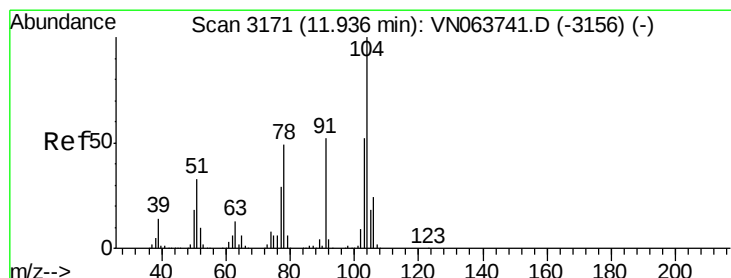
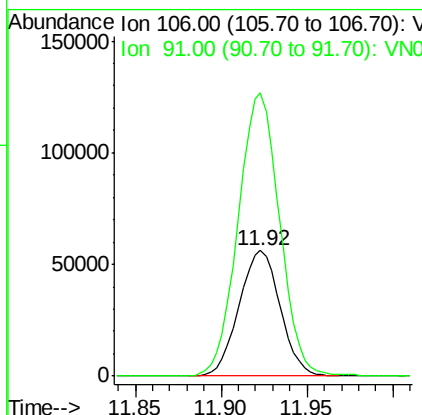
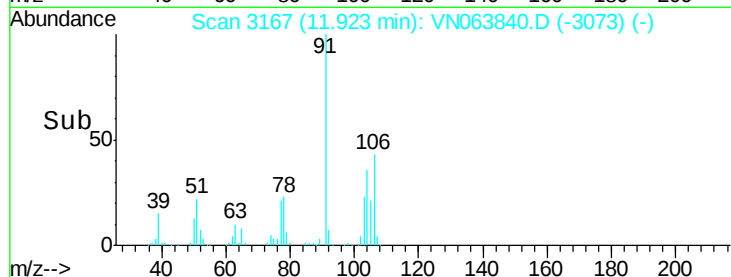
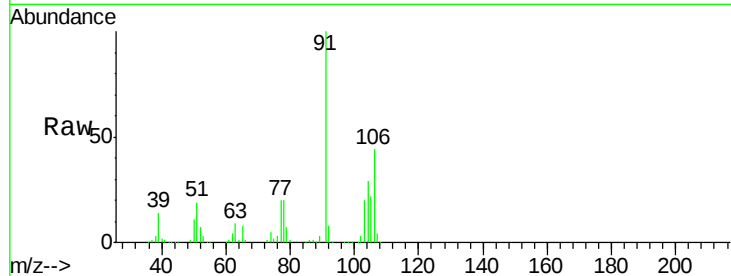
#69
o-Xylene
Concen: 18.275 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion:106 Resp: 93150
Ion Ratio Lower Upper
106 100
91 229.2 112.7 338.0

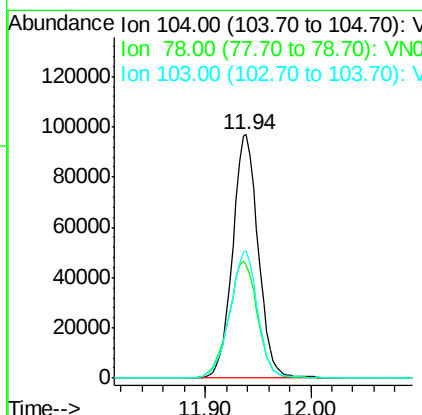
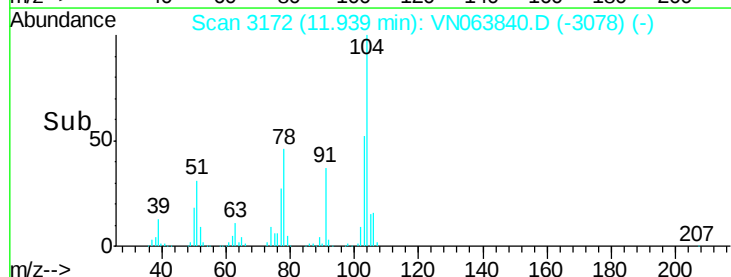
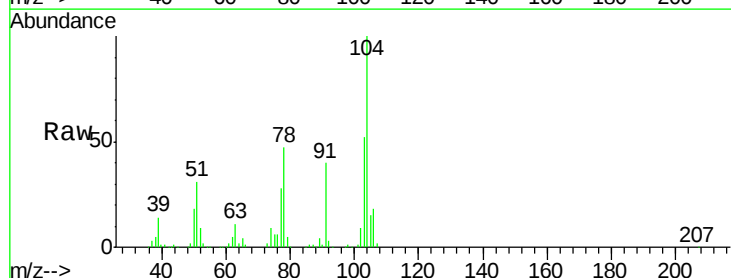
Manual Integrations
APPROVED

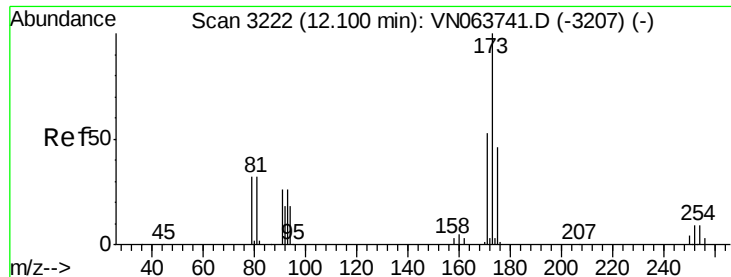
MMDadoda
10/5/2020 5:35:34 PM



#70
Styrene
Concen: 18.813 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion:104 Resp: 162773
Ion Ratio Lower Upper
104 100
78 53.8 44.1 66.1
103 56.1 44.3 66.5





#71

Bromoform

Concen: 18.935 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

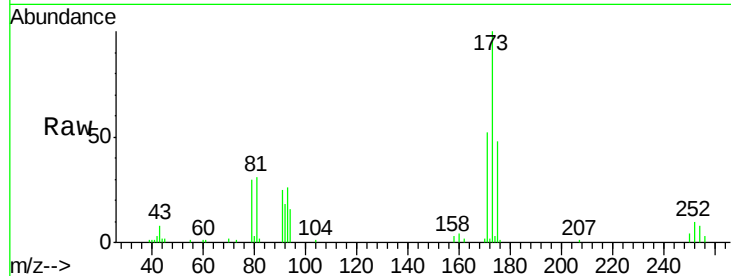
VN1002WBS02

Tot Ion:173 Resp: 44644

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.5	70.5
254	0.0	0.0	0.0

Manual Integrations
APPROVED

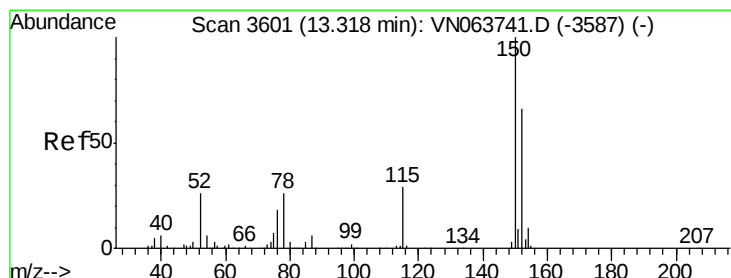
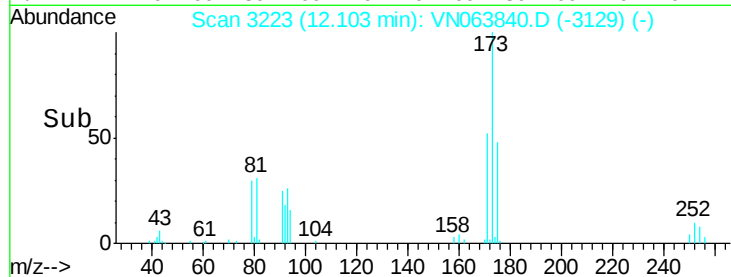
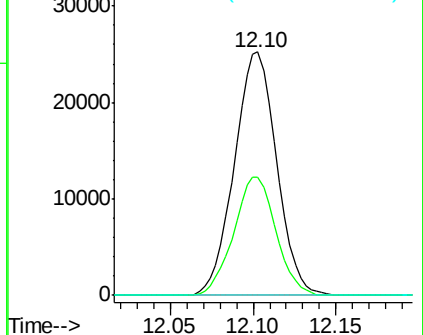
MMDadoda
10/5/2020 5:35:34 PM



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# 3601

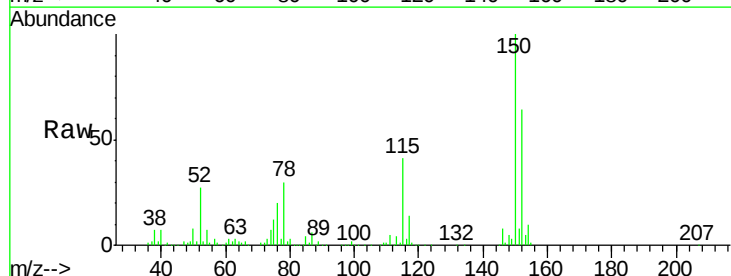
Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Tgt Ion:152 Resp: 180640

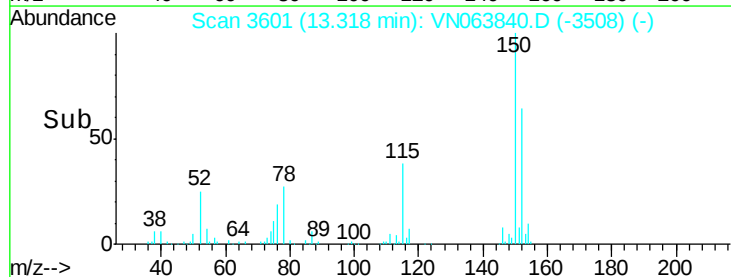
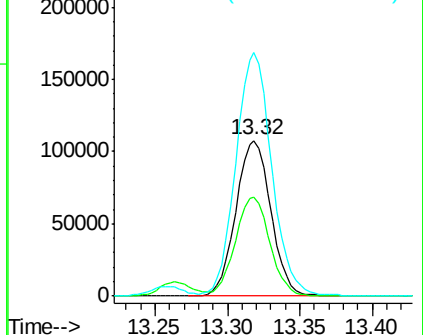
Ion	Ratio	Lower	Upper
152	100		
115	62.9	31.3	93.8
150	159.7	0.0	341.8

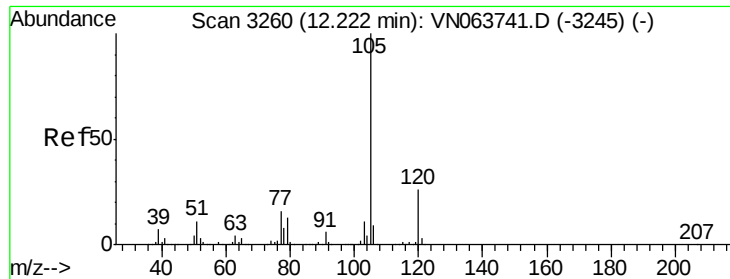


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.082 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampled :

VN1002WBS02

Tot Ion: 105 Resp: 251423

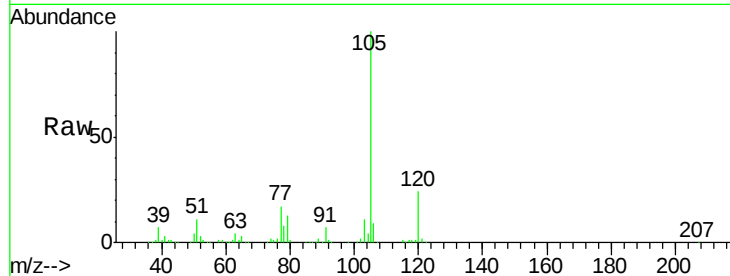
Ion Ratio Lower Upper

105 100

120 25.5 12.6 37.8

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:34 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.23

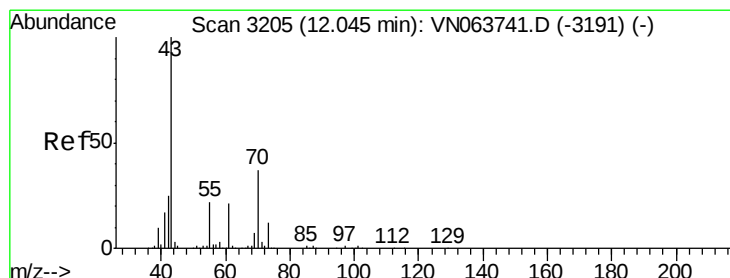
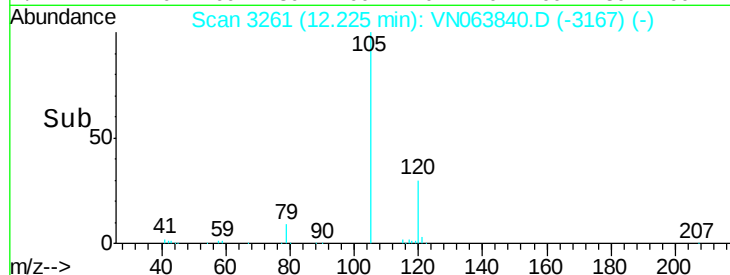
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.679 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Tgt Ion: 43 Resp: 118309

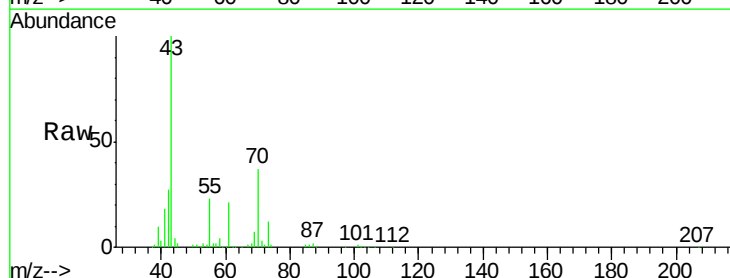
Ion Ratio Lower Upper

43 100

70 37.3 29.8 44.8

55 24.2 17.9 26.9

61 20.5 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.05

100000

80000

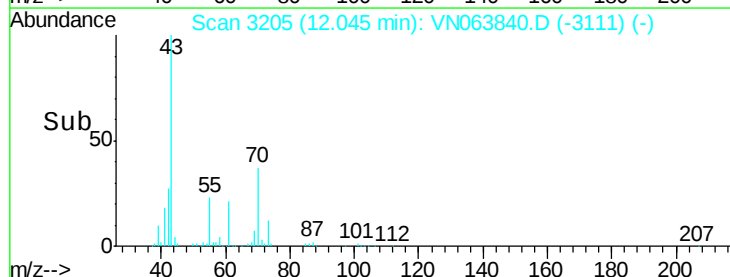
60000

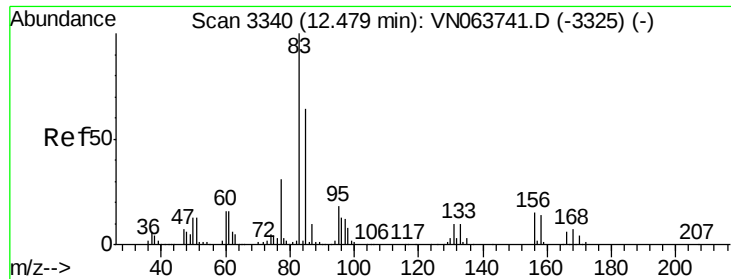
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.322 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Instrument :

MSVOA_N

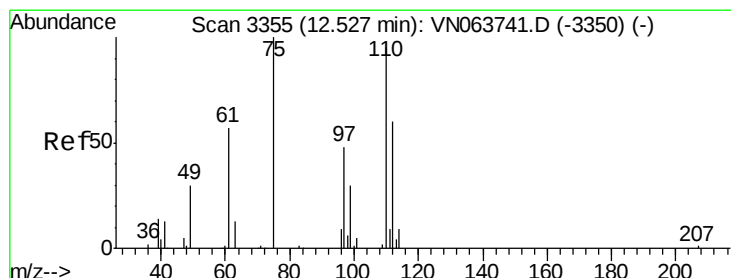
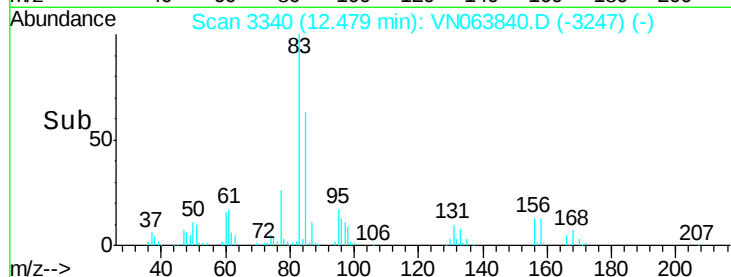
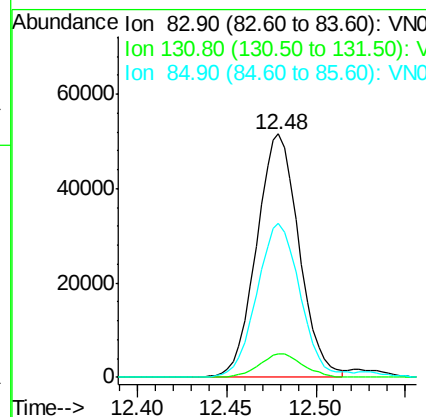
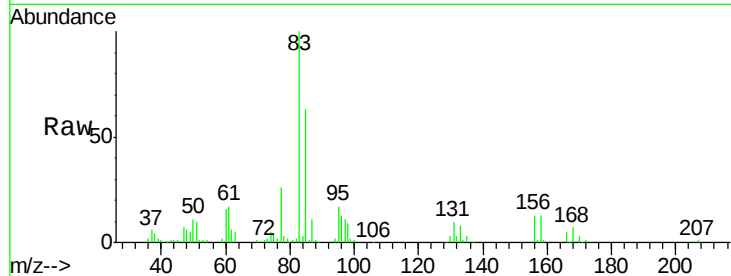
ClientSampleId :

VN1002WBS02

Tot Ion	83	Resp	85906
Ion Ratio	100	Lower	Upper
83	100		
131	10.0	5.3	15.8
85	64.5	31.3	93.8

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:34 PM



#76

1,2,3-Trichloropropane

Concen: 22.497 ug/l m

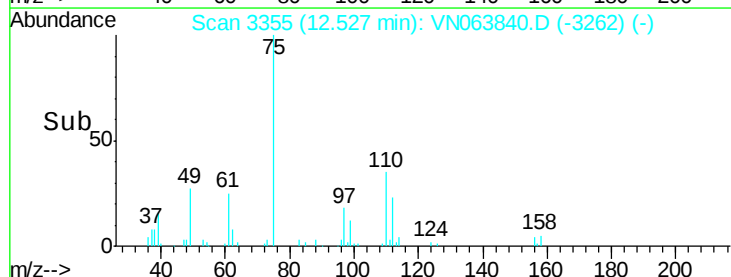
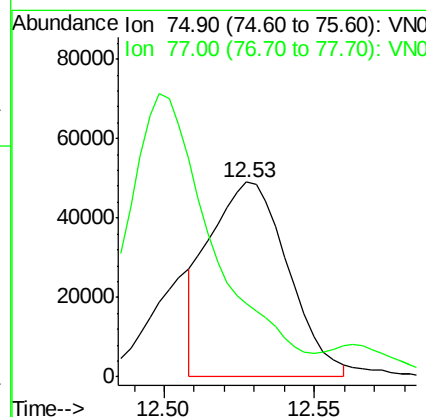
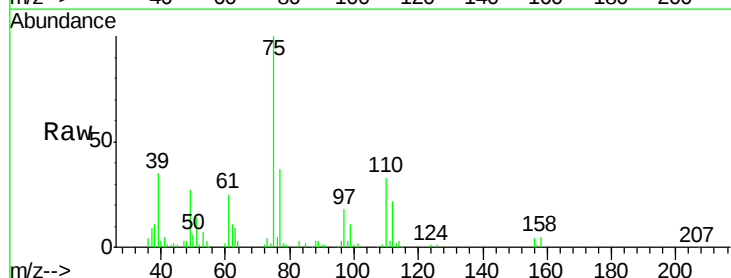
RT: 12.53 min Scan# 3355

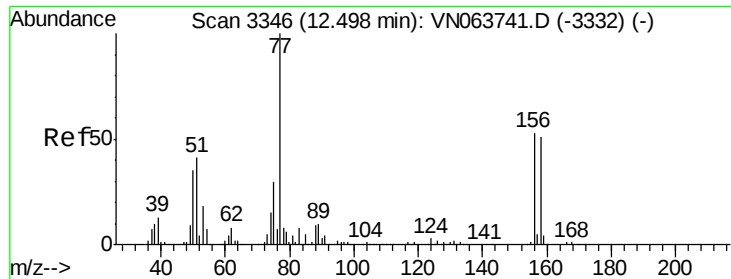
Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Tgt Ion	75	Resp	89583
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.610 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS02

Tot Ion:156 Resp: 63398

Ion Ratio Lower Upper

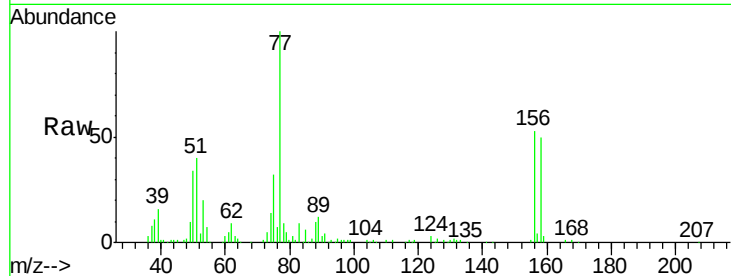
156 100

77 228.2 110.9 332.7

158 97.6 47.7 143.1

Manual Integrations
APPROVED

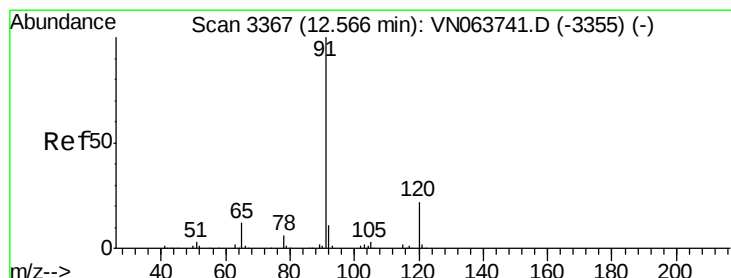
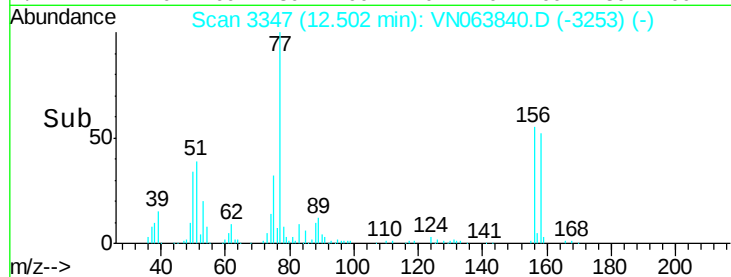
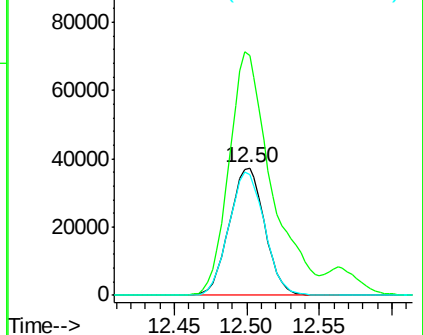
MMDadoda
10/5/2020 5:35:34 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.325 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063840.D

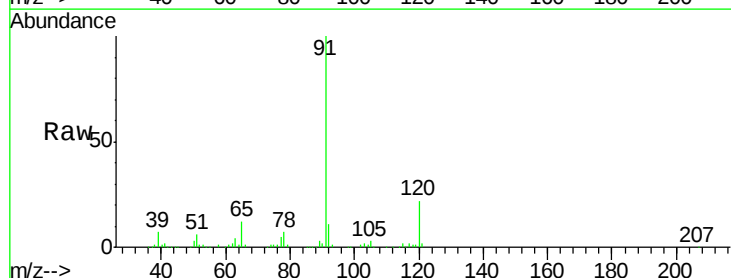
Acq: 2 Oct 2020 23:56

Tgt Ion: 91 Resp: 280990

Ion Ratio Lower Upper

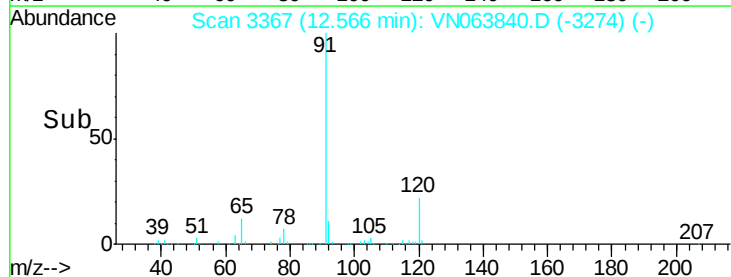
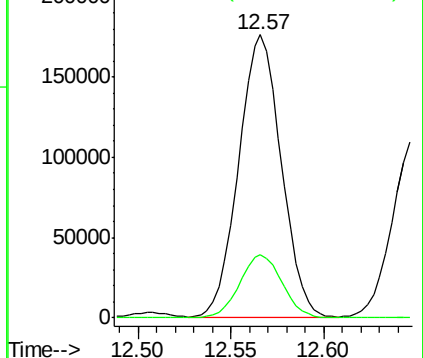
91 100

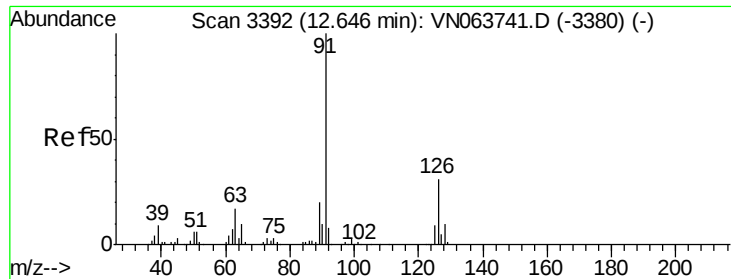
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.439 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampled :

VN1002WBS02

Tot Ion: 91 Resp: 183323

Ion Ratio Lower Upper

91 100

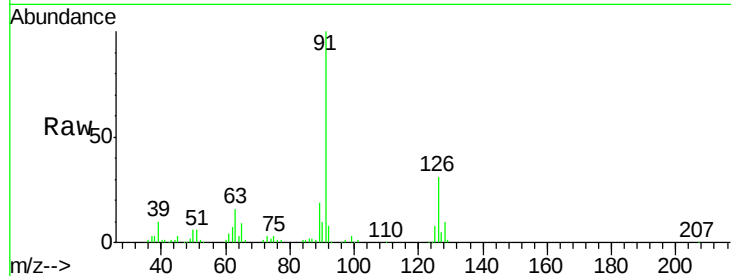
126 31.9 15.9 47.7

Manual Integrations

APPROVED

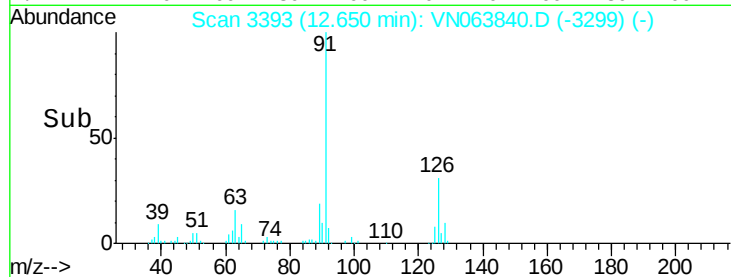
MMDadoda

10/5/2020 5:35:34 PM

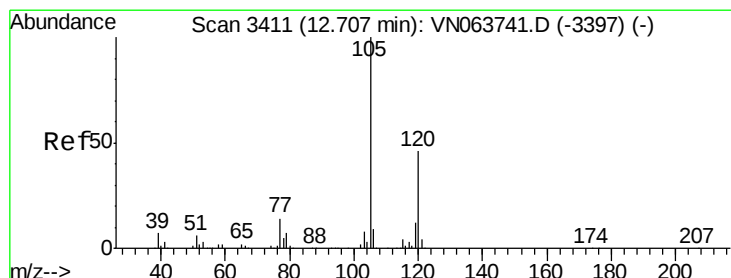


Abundance Ion 91.00 (90.70 to 91.70): VN063840.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN063840.D (-3393) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.908 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063840.D

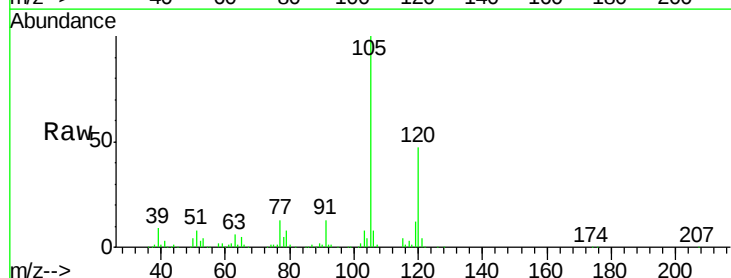
Acq: 2 Oct 2020 23:56

Tgt Ion: 105 Resp: 209004

Ion Ratio Lower Upper

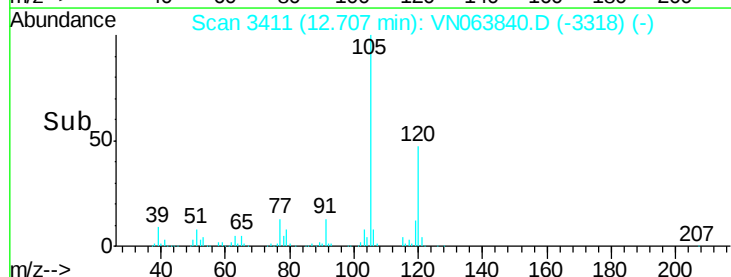
105 100

120 46.8 23.3 69.9

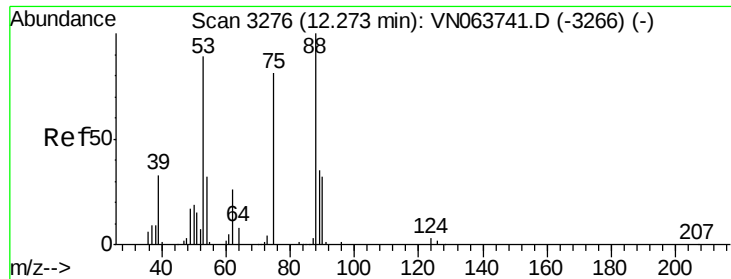


Abundance Ion 105.00 (104.70 to 105.70): VN063840.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN063840.D (-3411) (-)



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 17.865 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Instrument :

MSVOA_N

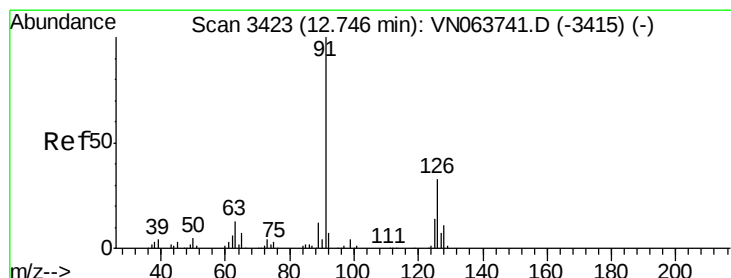
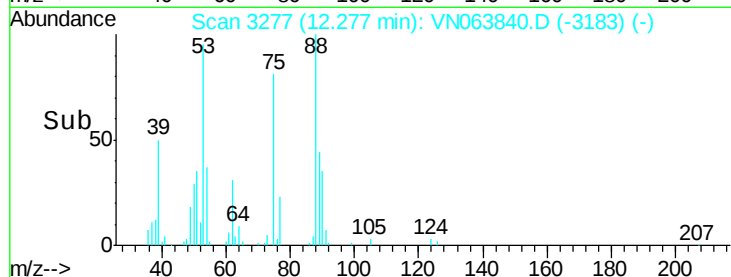
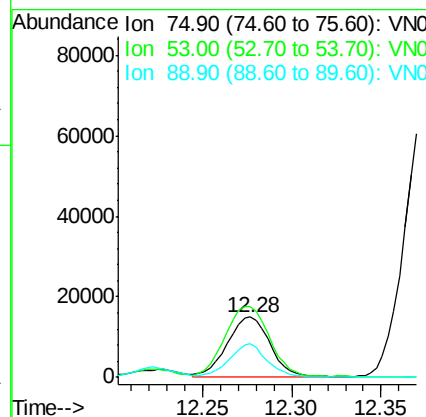
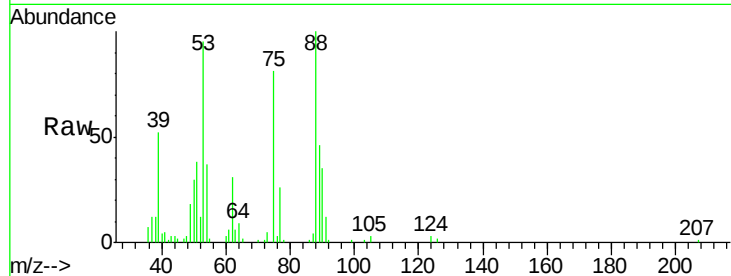
ClientSampled :

VN1002WBS02

Tot Ion:	75	Resp:	24700
Ion	Ratio	Lower	Upper
75	100		
53	122.6	88.2	132.2
89	50.5	36.0	54.0

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:34 PM



#82

4-Chlorotoluene

Concen: 18.580 ug/l

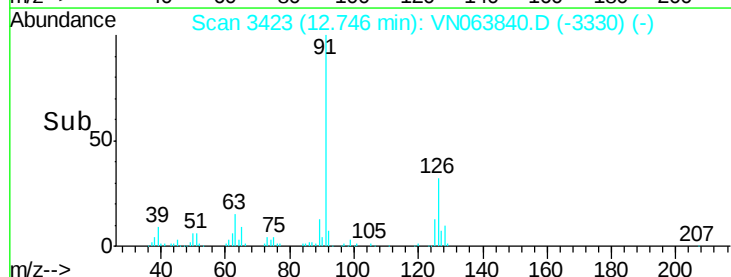
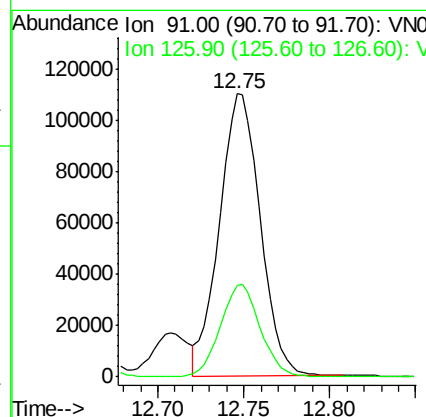
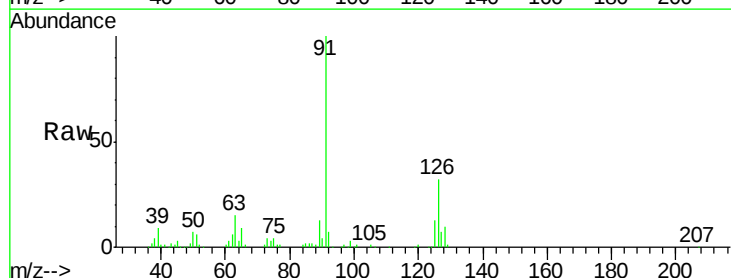
RT: 12.75 min Scan# 3423

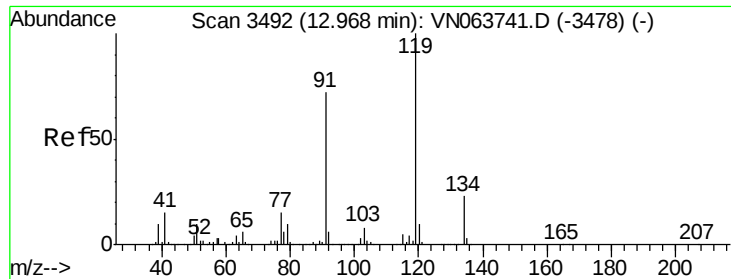
Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Tgt Ion:	91	Resp:	181903
Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.4	46.2





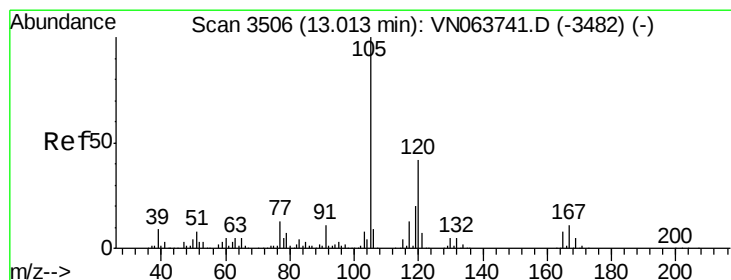
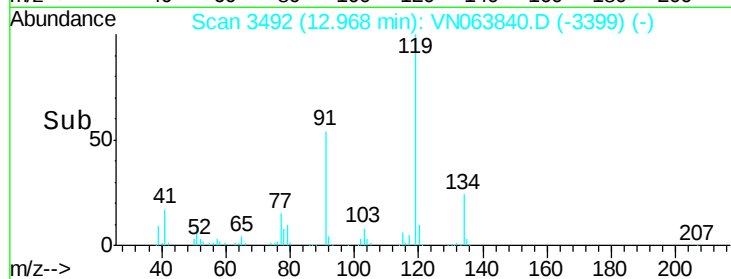
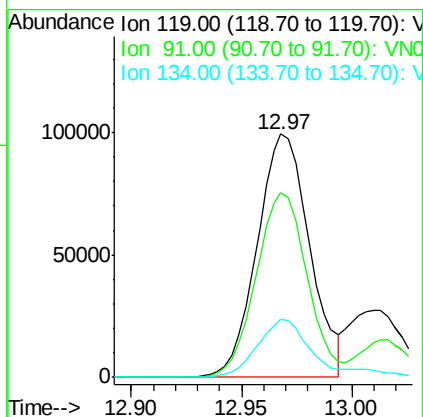
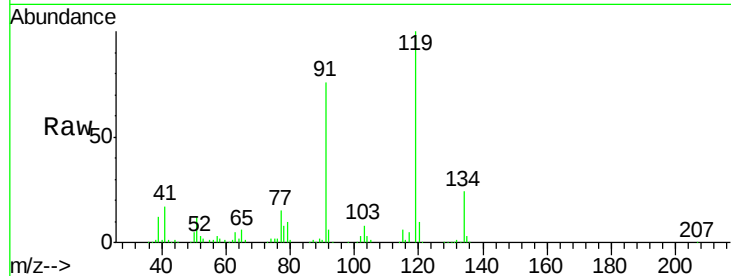
#83
 tert-Butylbenzene
 Concen: 18.080 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN1002WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.3	35.5	106.5
134	25.6	11.7	35.1

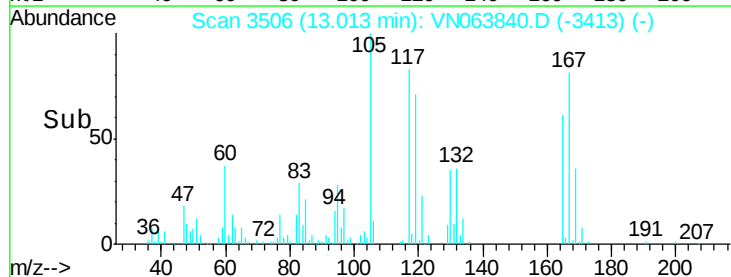
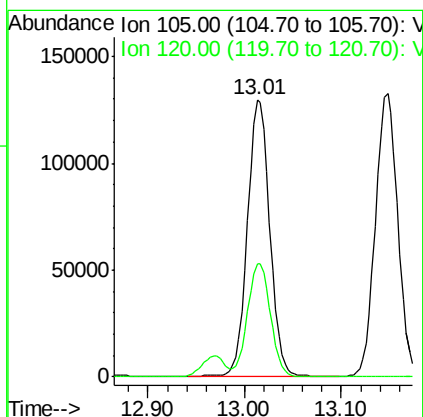
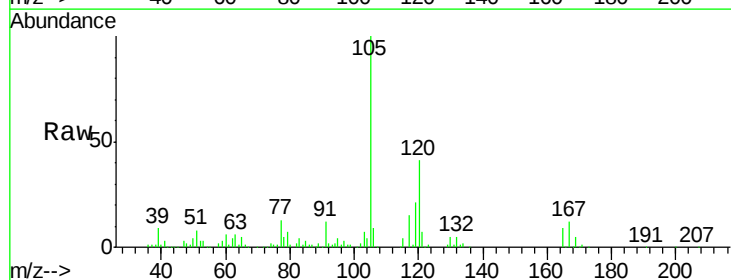
Manual Integrations
 APPROVED

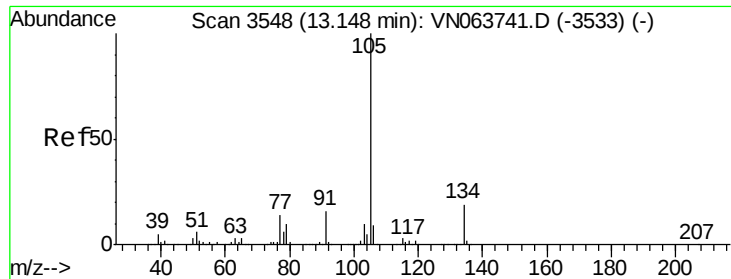
MMDadoda
 10/5/2020 5:35:34 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.952 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.6	20.9	62.7





#85

sec-Butylbenzene

Concen: 17.978 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS02

Tot Ion:105 Resp: 213508

Ion Ratio Lower Upper

105 100

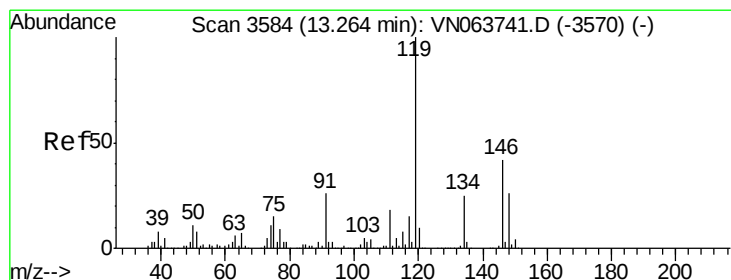
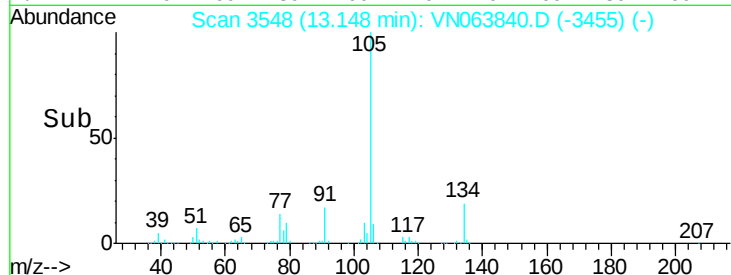
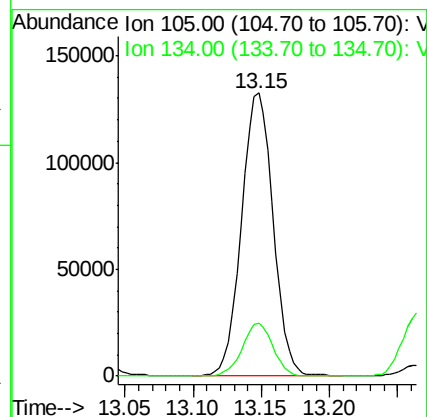
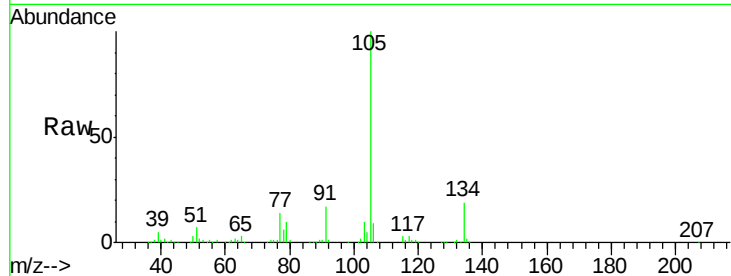
134 18.0 9.5 28.5

Manual Integrations

APPROVED

MMDadoda

10/5/2020 5:35:34 PM



#86

p-Isopropyltoluene

Concen: 17.970 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063840.D

Acq: 2 Oct 2020 23:56

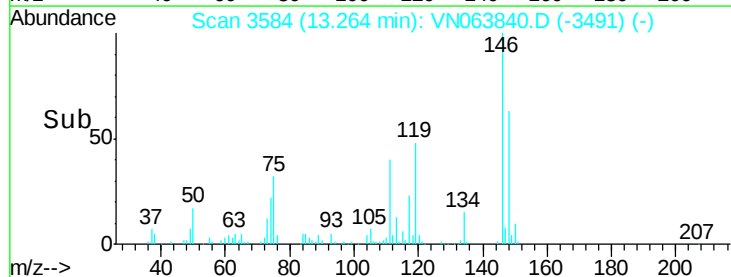
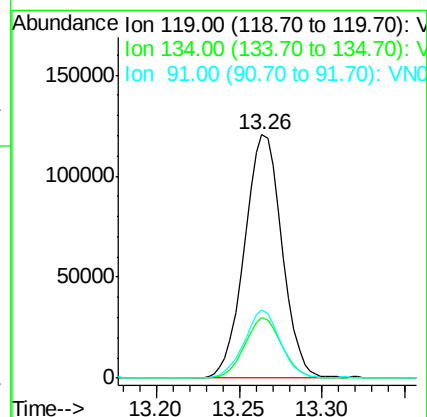
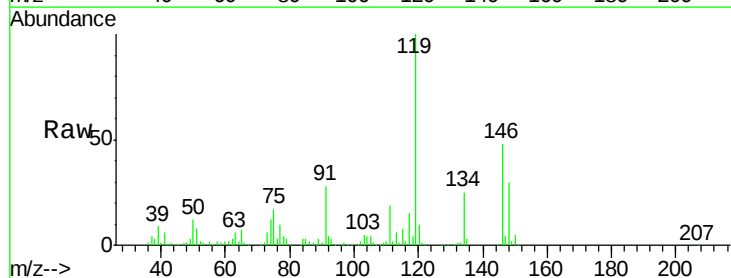
Tgt Ion:119 Resp: 188796

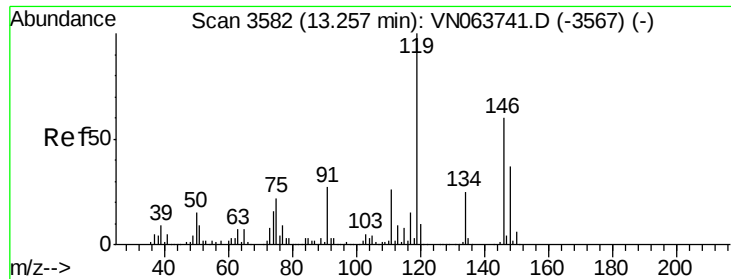
Ion Ratio Lower Upper

119 100

134 24.6 12.6 37.8

91 27.1 13.4 40.2





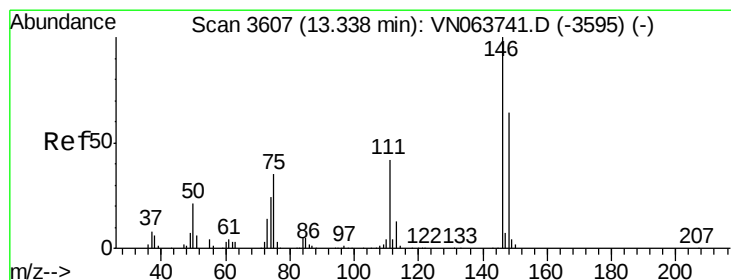
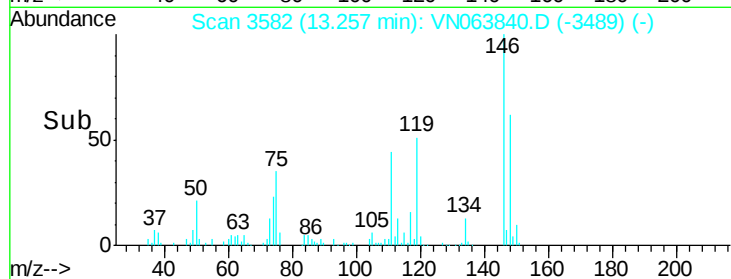
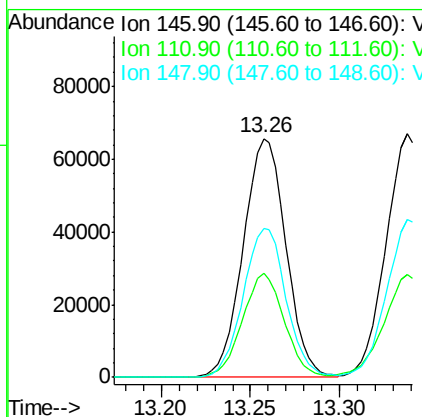
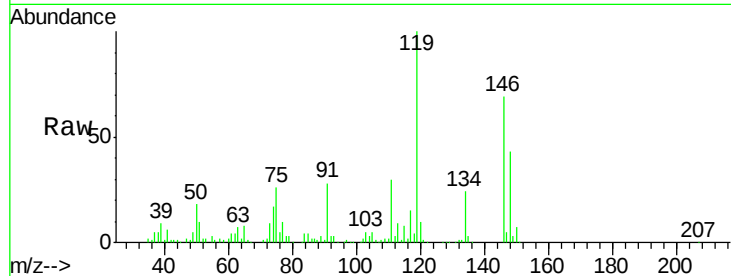
#87
 1,3-Dichlorobenzene
 Concen: 18.781 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	62.8	31.1	93.3

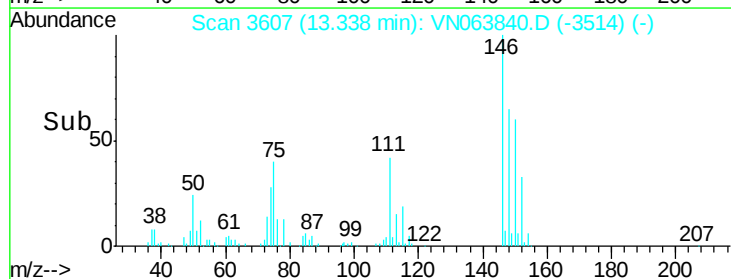
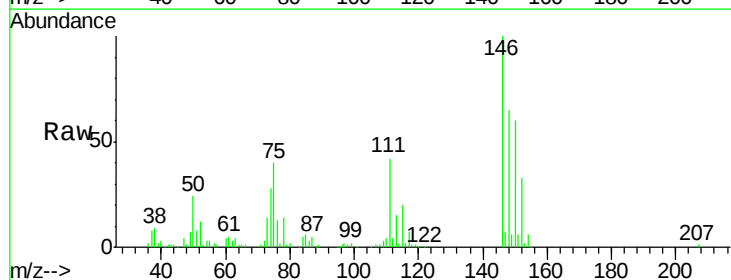
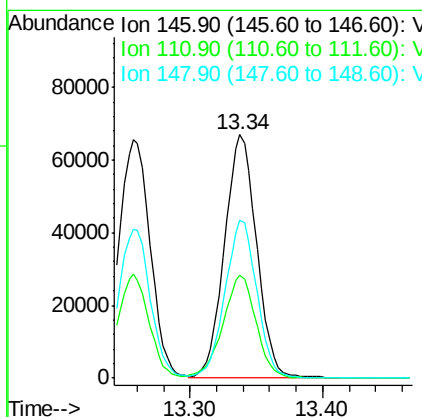
Manual Integrations
 APPROVED

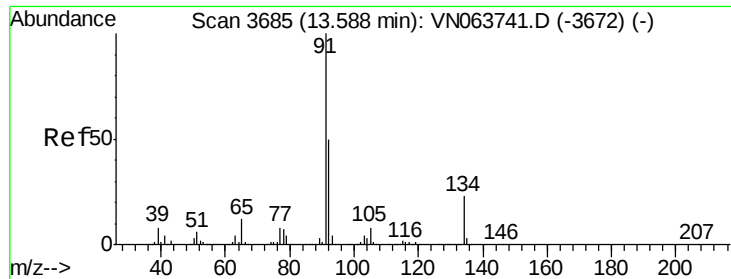
MMDadoda
 10/5/2020 5:35:34 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.398 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	63.7
148	64.8	32.0	96.0





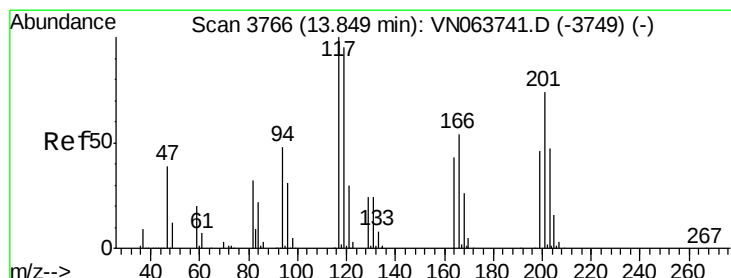
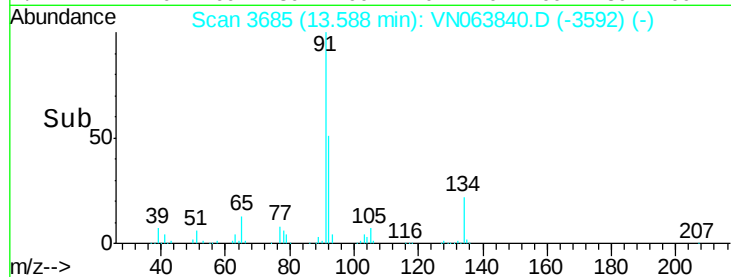
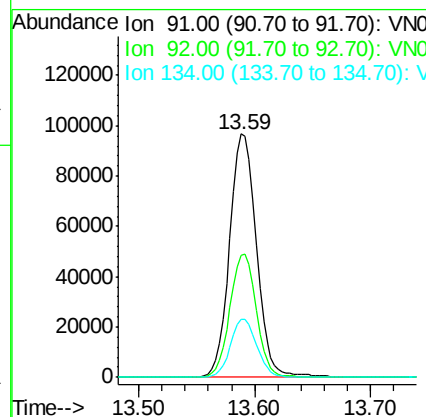
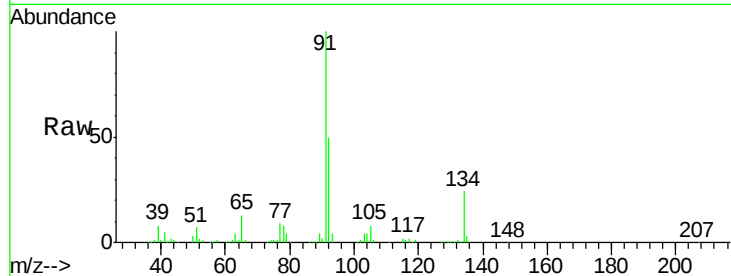
#89
n-Butylbenzene
Concen: 16.073 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.6	25.4	76.4
134	23.5	11.7	35.1

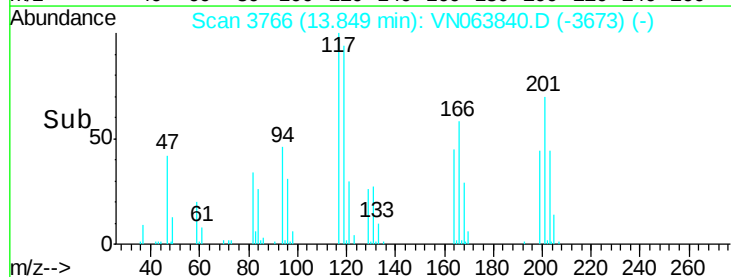
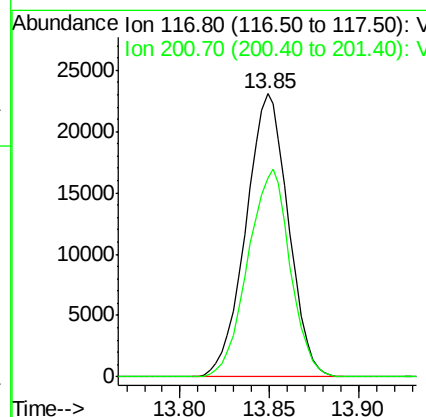
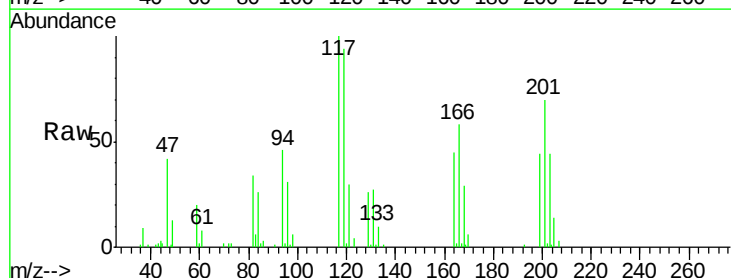
Manual Integrations
APPROVED

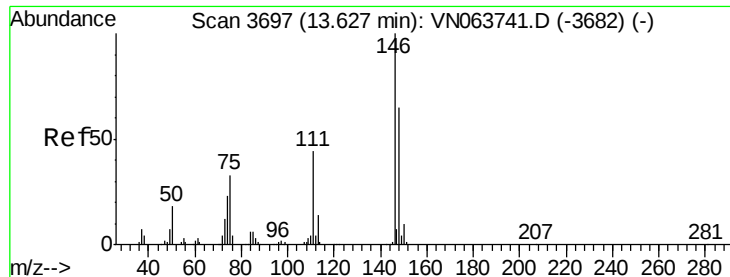
MMDadoda
10/5/2020 5:35:34 PM



#90
Hexachloroethane
Concen: 18.835 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.0	36.0	108.0





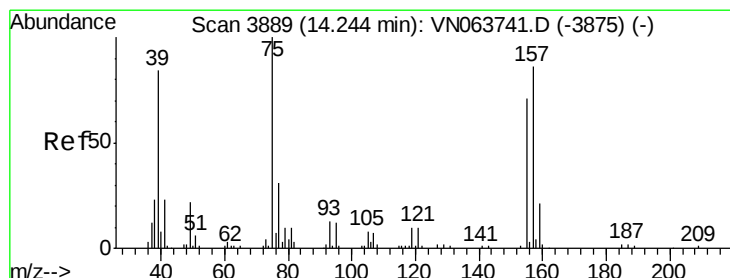
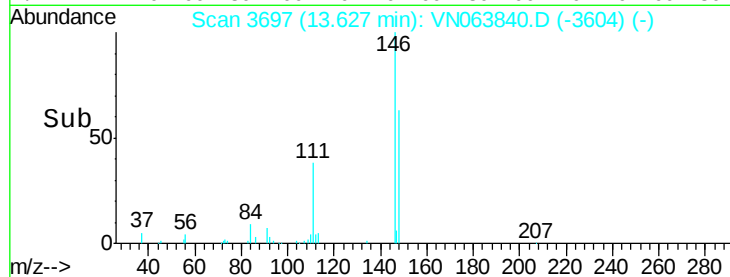
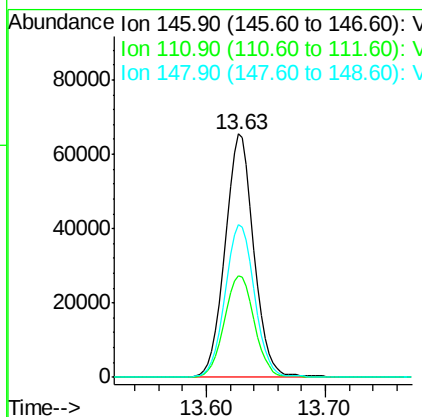
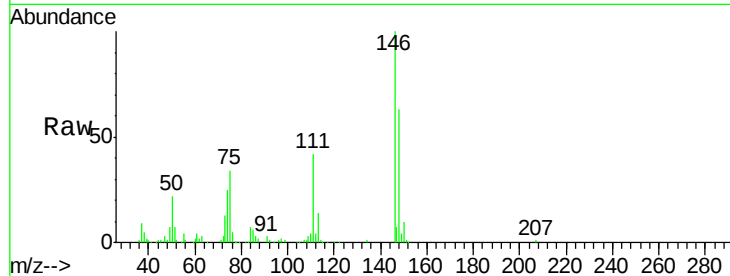
#91
 1,2-Dichlorobenzene
 Concen: 18.902 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.2	66.6
148	64.3	32.5	97.4

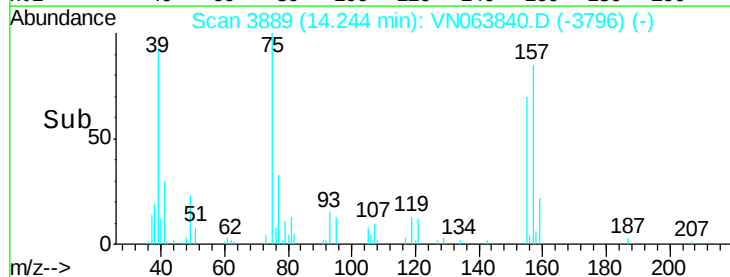
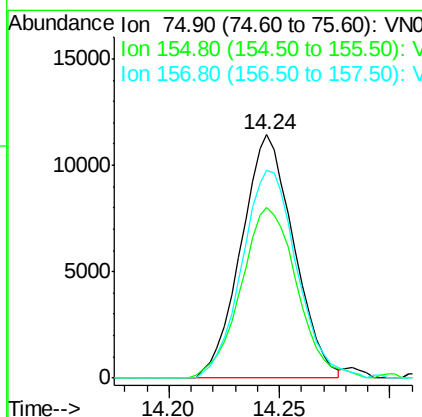
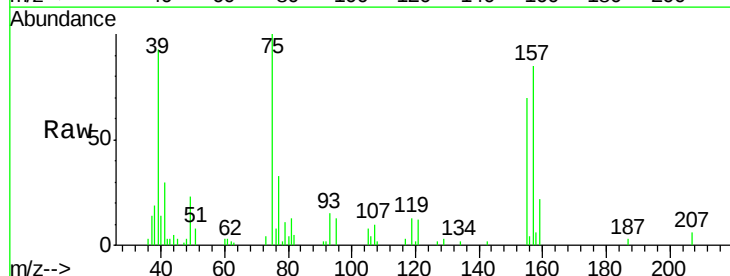
Manual Integrations
 APPROVED

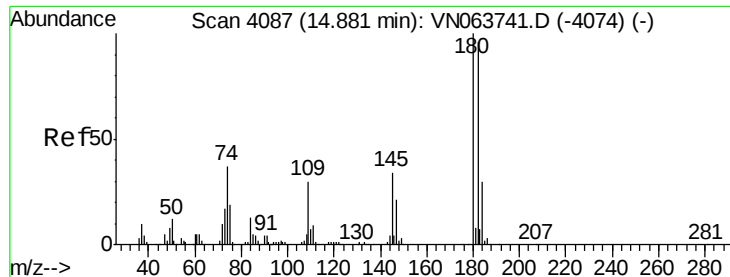
MMDadoda
 10/5/2020 5:35:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.084 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	34.8	104.5
157	89.0	43.7	131.1





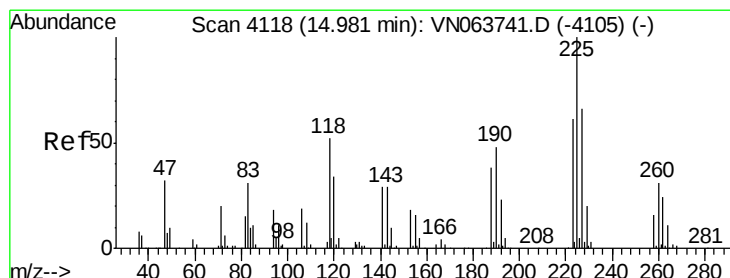
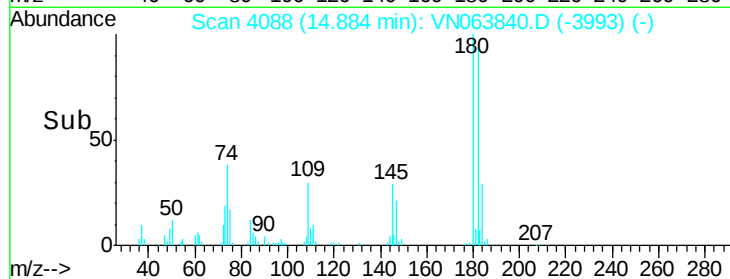
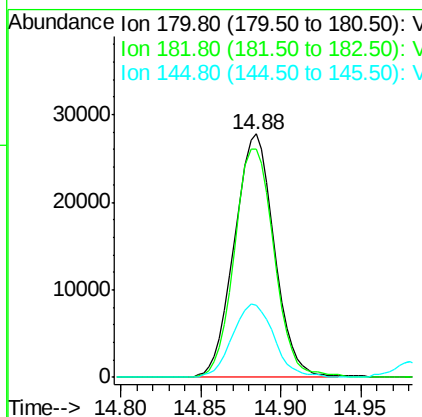
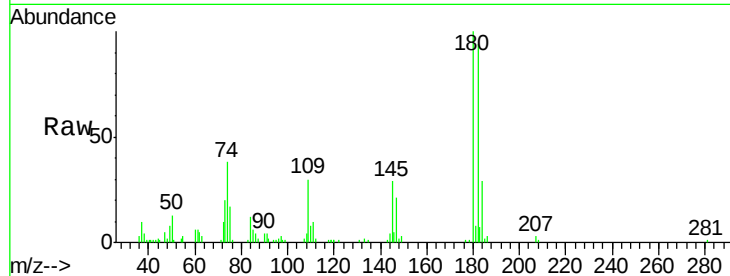
#93
 1,2,4-Trichlorobenzene
 Concen: 16.221 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.2	144.6
145	31.2	17.1	51.2

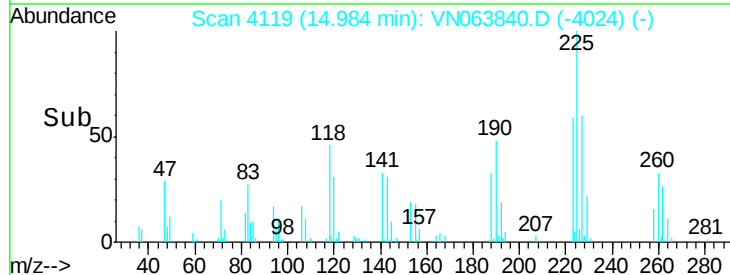
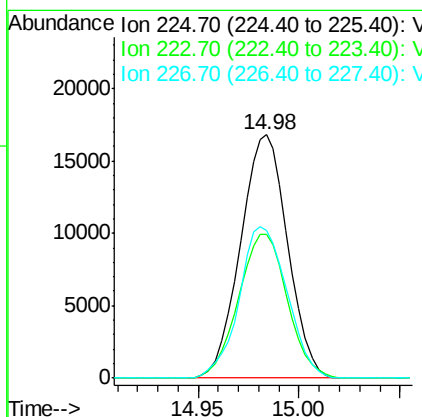
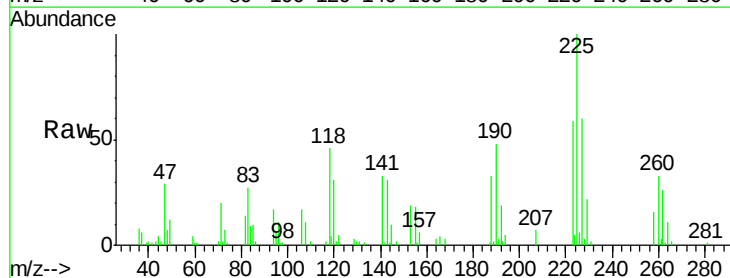
Manual Integrations
 APPROVED

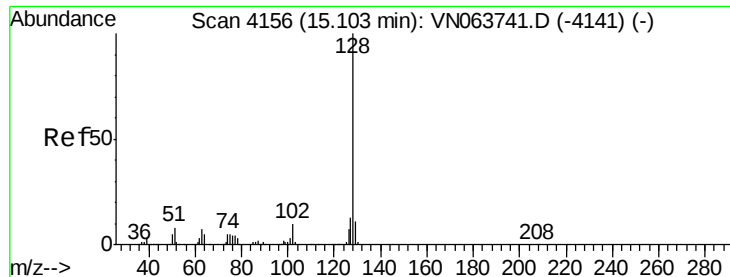
MMDadoda
 10/5/2020 5:35:34 PM



#94
 Hexachlorobutadiene
 Concen: 17.489 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063840.D
 Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.3	91.0
227	63.3	31.9	95.5





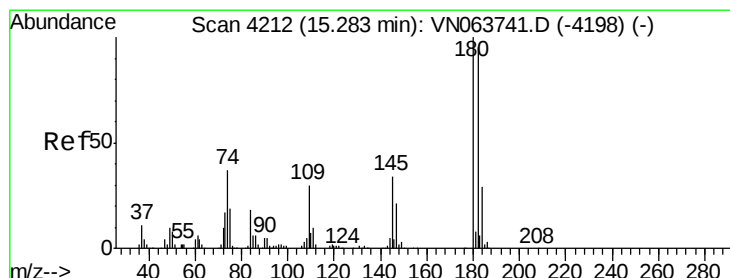
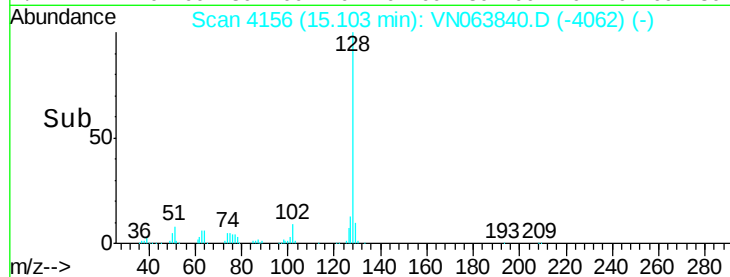
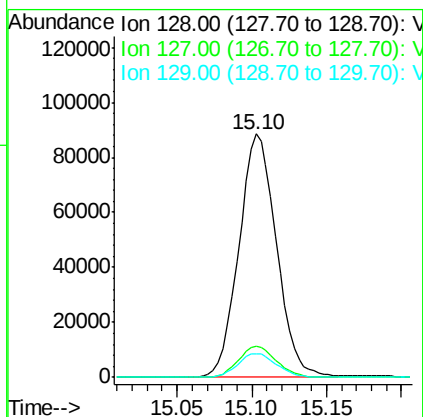
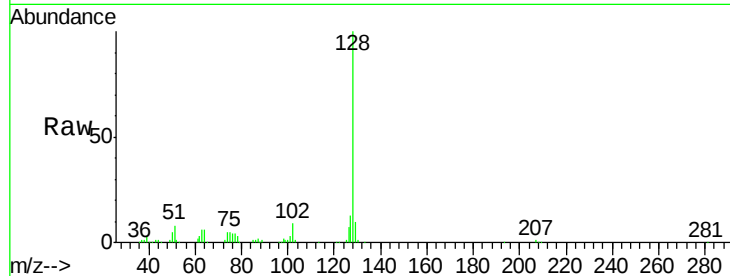
#95
Naphthalene
Concen: 17.195 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 16.105 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN063840.D
Acq: 2 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.9	143.6
145	35.6	17.2	51.5

