

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
 Data File : VN063702.D
 Acq On : 28 Sep 2020 13:57
 Operator : JC/MD
 Sample : VN0928WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 4:37:59 PM

Quant Time: Sep 29 03:55:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	234056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	385037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	360939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	174485	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	201651	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
35) Dibromofluoromethane	7.55	113	139981	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
50) Toluene-d8	10.06	98	509641	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.38	95	188328	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	43118	16.261	ug/l	99
3) Chloromethane	2.04	50	52930	15.089	ug/l	97
4) Vinyl Chloride	2.16	62	51191	16.471	ug/l	94
5) Bromomethane	2.53	94	35412	19.191	ug/l	94
6) Chloroethane	2.68	64	32957	17.275	ug/l	100
7) Trichlorofluoromethane	2.99	101	85669	18.475	ug/l	97
8) Diethyl Ether	3.37	74	32851	18.174	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	48300	18.522	ug/l	98
10) Methyl Iodide	3.91	142	57069	16.809	ug/l #	94
11) Tert butyl alcohol	4.73	59	46764	84.724	ug/l #	88
12) 1,1-Dichloroethene	3.70	96	43349	16.412	ug/l	95
13) Acrolein	3.57	56	14504	70.907	ug/l	92
14) Allyl chloride	4.28	41	85399	16.346	ug/l	98
15) Acrylonitrile	4.93	53	128043	91.199	ug/l	99
16) Acetone	3.78	43	120731	94.286	ug/l	100
17) Carbon Disulfide	4.01	76	110359	14.364	ug/l	97
18) Methyl Acetate	4.28	43	65988	20.300	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	171818	17.454	ug/l	97
20) Methylene Chloride	4.51	84	58932	18.165	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	47549	16.249	ug/l	97
22) Diisopropyl ether	5.90	45	187474	17.594	ug/l	94
23) Vinyl Acetate	5.85	43	756661	86.467	ug/l	100
24) 1,1-Dichloroethane	5.80	63	104617	17.984	ug/l	98
25) 2-Butanone	6.78	43	174075	88.393	ug/l	99
26) 2,2-Dichloropropane	6.78	77	86011	16.793	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	58553	17.678	ug/l	97
28) Bromochloromethane	7.15	49	55814	20.779	ug/l	96
29) Tetrahydrofuran	7.16	42	112955	83.981	ug/l	98
30) Chloroform	7.33	83	110480	18.929	ug/l	99
31) Cyclohexane	7.61	56	82361	14.967	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	92727	17.863	ug/l	99
36) 1,1-Dichloropropene	7.75	75	74430	18.145	ug/l	98
37) Ethyl Acetate	6.88	43	77265	19.192	ug/l	99
38) Carbon Tetrachloride	7.73	117	80555	19.238	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
 Data File : VN063702.D
 Acq On : 28 Sep 2020 13:57
 Operator : JC/MD
 Sample : VN0928WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0928WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 4:37:59 PM

Quant Time: Sep 29 03:55:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	69298	15.566	ug/l	91
40) Benzene	8.00	78	219805	18.771	ug/l	98
41) Methacrylonitrile	7.14	41	37916m	20.940	ug/l	
42) 1,2-Dichloroethane	8.09	62	97194	20.640	ug/l	99
43) Isopropyl Acetate	8.13	43	133395	18.530	ug/l #	89
44) Trichloroethene	8.80	130	55427	19.515	ug/l	99
45) 1,2-Dichloropropane	9.08	63	62698	19.659	ug/l	95
46) Dibromomethane	9.18	93	42394	20.225	ug/l	99
47) Bromodichloromethane	9.37	83	87396	20.069	ug/l	99
48) Methyl methacrylate	9.17	41	63874	18.060	ug/l	98
49) 1,4-Dioxane	9.17	88	19576	385.691	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	399543	99.138	ug/l	98
52) Toluene	10.13	92	136333	19.365	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	90795	18.676	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	97270	18.969	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	57887	20.700	ug/l	98
56) Ethyl methacrylate	10.40	69	78778	18.045	ug/l	97
57) 1,3-Dichloropropane	10.68	76	98657	19.563	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.67	63	200024	87.343	ug/l	98
59) 2-Hexanone	10.72	43	286370	98.081	ug/l	98
60) Dibromochloromethane	10.87	129	62057	19.643	ug/l	94
61) 1,2-Dibromoethane	10.98	107	58469	20.125	ug/l	100
64) Tetrachloroethene	10.60	164	52044	21.176	ug/l	98
65) Chlorobenzene	11.41	112	145509	18.992	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	57567	20.497	ug/l	99
67) Ethyl Benzene	11.49	91	259470	17.983	ug/l	100
68) m/p-Xylenes	11.59	106	194156	37.322	ug/l	97
69) o-Xylene	11.92	106	91342	18.432	ug/l	100
70) Styrene	11.94	104	158131	19.028	ug/l	98
71) Bromoform	12.10	173	40893	19.545	ug/l #	99
73) Isopropylbenzene	12.23	105	249164	17.820	ug/l	100
74) N-amyl acetate	12.05	43	110032	16.624	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	82665	19.094	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	77436m	17.930	ug/l	
77) Bromobenzene	12.50	156	61324	19.498	ug/l	94
78) n-propylbenzene	12.57	91	282893	17.371	ug/l	99
79) 2-Chlorotoluene	12.65	91	176281	18.057	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	212580	18.233	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	26144	16.597	ug/l	95
82) 4-Chlorotoluene	12.75	91	187594	18.187	ug/l	100
83) tert-Butylbenzene	12.97	119	166192	17.270	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	209773	17.812	ug/l	100
85) sec-Butylbenzene	13.15	105	221017	17.158	ug/l	99
86) p-Isopropyltoluene	13.26	119	198618	17.482	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	108956	18.690	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	111014	18.731	ug/l	97
89) n-Butylbenzene	13.59	91	175250	16.735	ug/l	98
90) Hexachloroethane	13.85	117	37087	17.143	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	107541	18.790	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18124	17.580	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092820\
Data File : VN063702.D
Acq On : 28 Sep 2020 13:57
Operator : JC/MD
Sample : VN0928WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

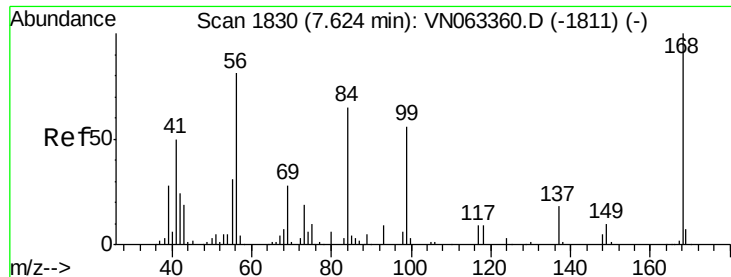
Manual Integrations
APPROVED

MMDadoda
9/29/2020 4:37:59 PM

Quant Time: Sep 29 03:55:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	57006	16.895	ug/l	99
94) Hexachlorobutadiene	14.98	225	28368	20.309	ug/l	97
95) Naphthalene	15.10	128	175405	15.735	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	55773	17.108	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion:168 Resp: 234056

Ion Ratio Lower Upper

168 100

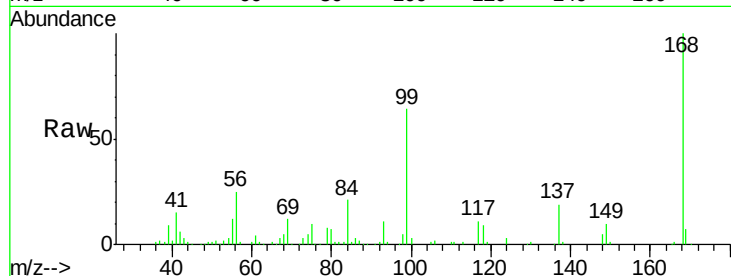
99 63.6 53.0 79.6

Manual Integrations

APPROVED

MMDadoda

9/29/2020 4:37:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

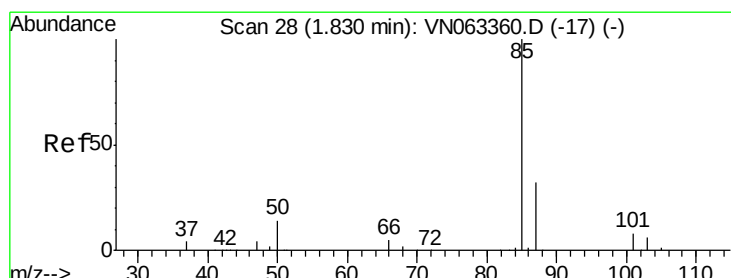
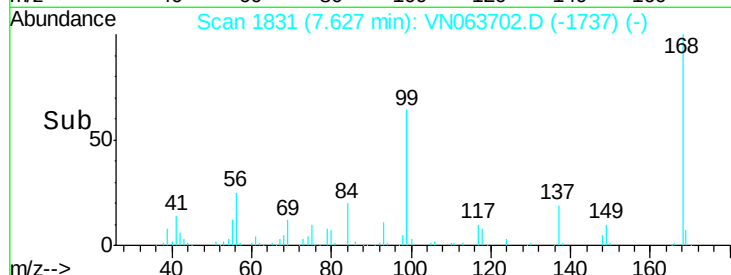
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.261 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063702.D

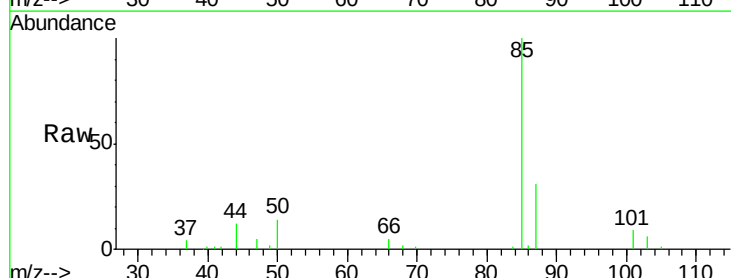
Acq: 28 Sep 2020 13:57

Tgt Ion: 85 Resp: 43118

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

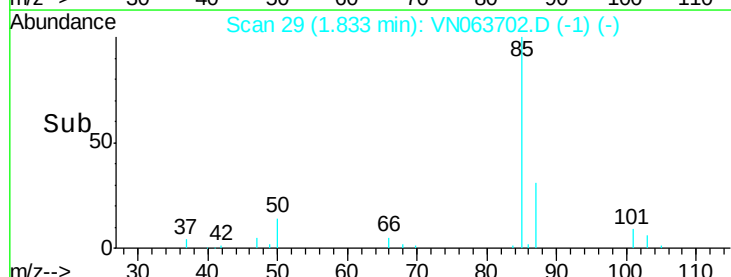
30000

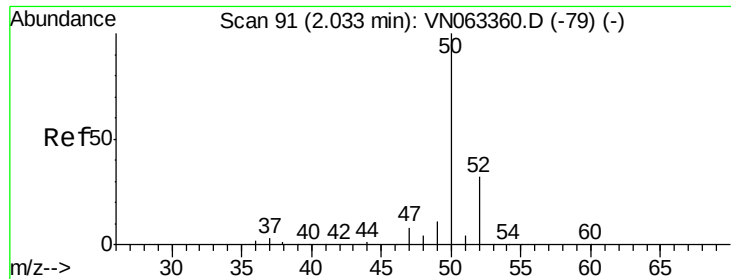
20000

10000

0

Time-->





#3

Chloromethane

Concen: 15.089 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion: 50 Resp: 52930

Ion Ratio Lower Upper

50 100

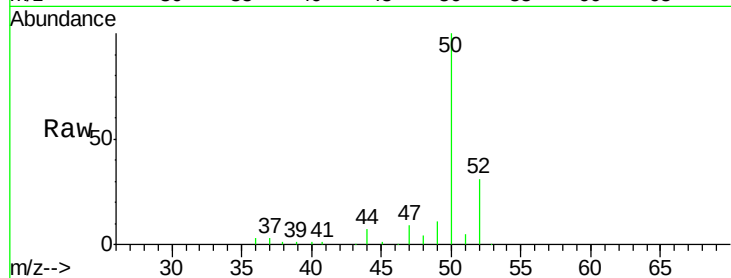
52 31.0 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

9/29/2020 4:37:59 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

40000

30000

20000

10000

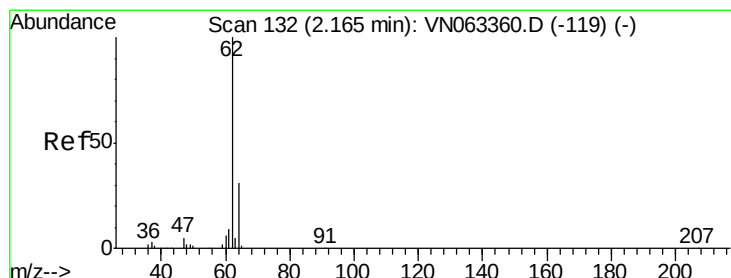
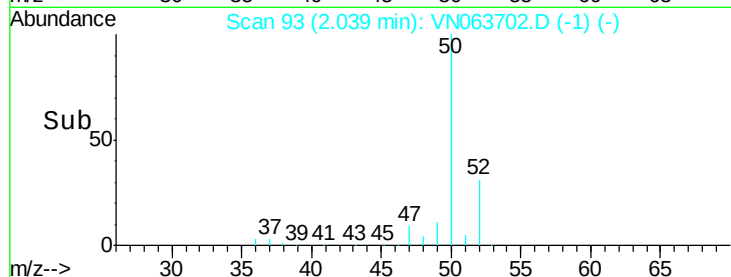
0

Time-->

2.00

2.05

2.10



#4

Vinyl Chloride

Concen: 16.471 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063702.D

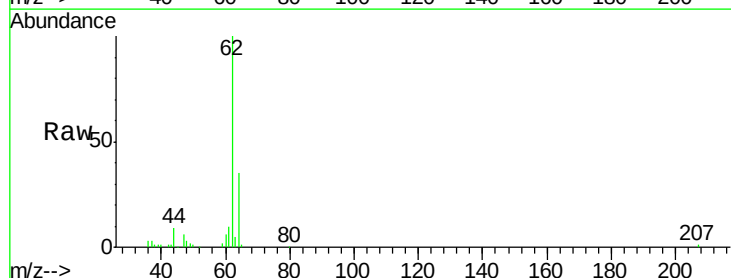
Acq: 28 Sep 2020 13:57

Tgt Ion: 62 Resp: 51191

Ion Ratio Lower Upper

62 100

64 34.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

40000

30000

20000

10000

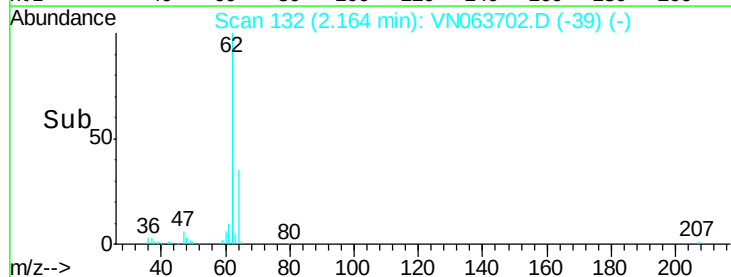
0

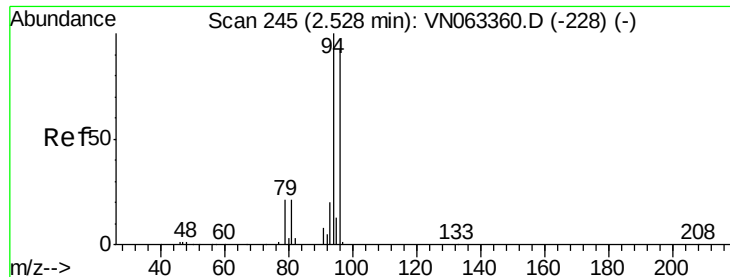
Time-->

2.10

2.15

2.20





#5

Bromomethane

Concen: 19.191 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion: 94 Resp: 35412

Ion Ratio Lower Upper

94 100

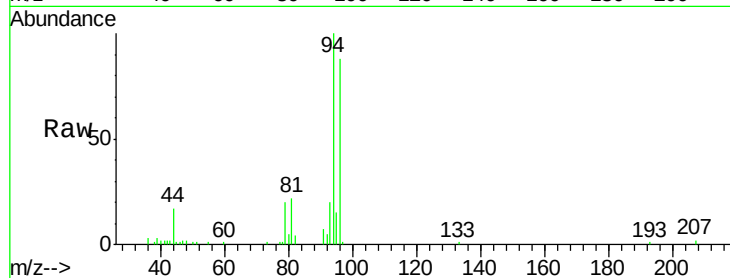
96 87.7 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

9/29/2020 4:37:59 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

20000

15000

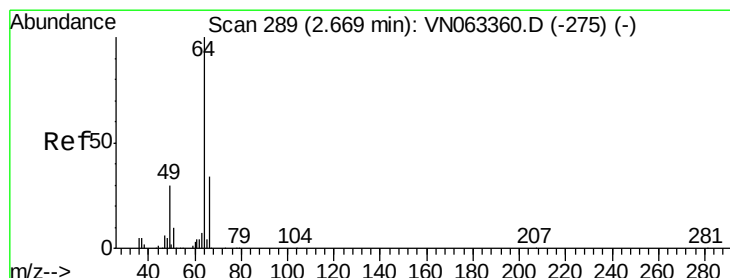
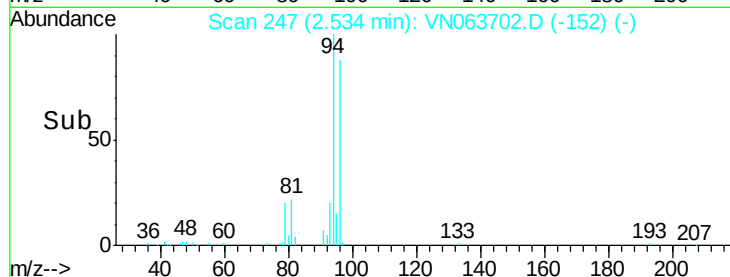
10000

5000

0

Time--> 2.45 2.50 2.55 2.60

2.53



#6

Chloroethane

Concen: 17.275 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN063702.D

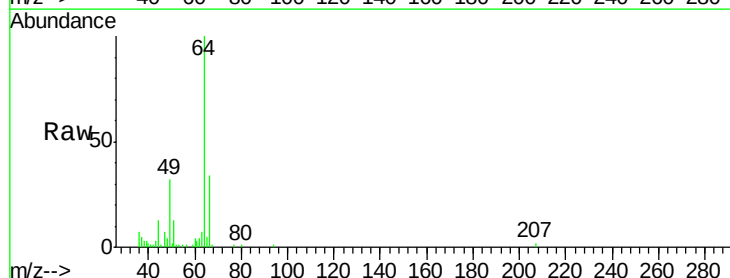
Acq: 28 Sep 2020 13:57

Tgt Ion: 64 Resp: 32957

Ion Ratio Lower Upper

64 100

66 33.8 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

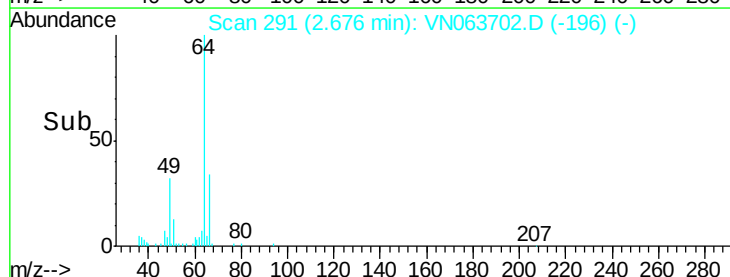
10000

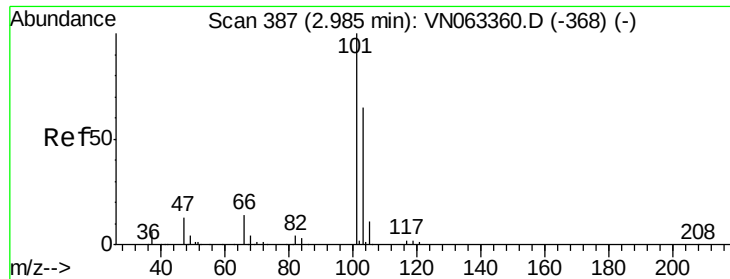
5000

0

Time--> 2.60 2.65 2.70 2.75

2.68





#7

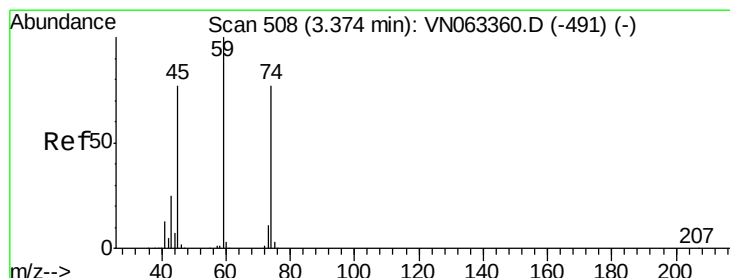
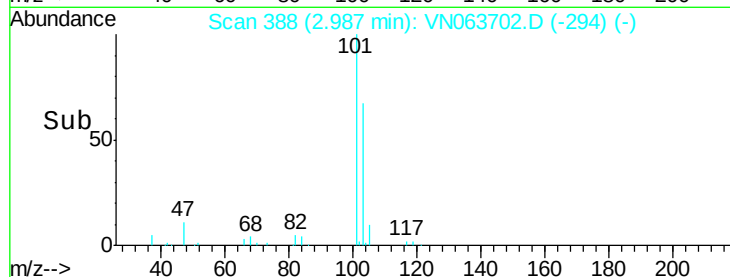
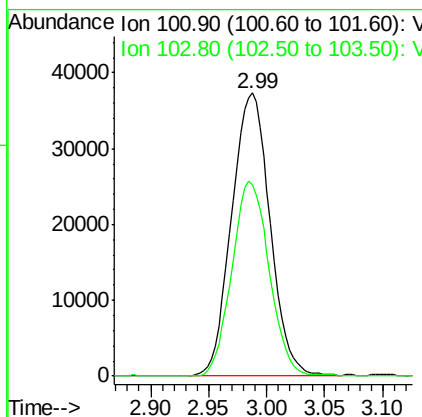
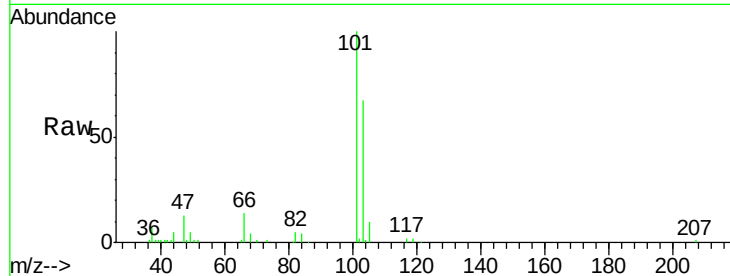
Trichlorofluoromethane
 Concen: 18.475 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	52.3	78.5

Manual Integrations
 APPROVED

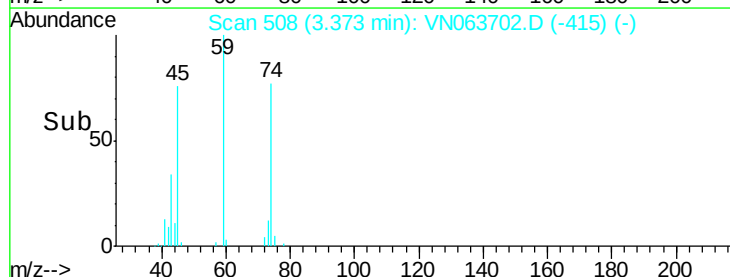
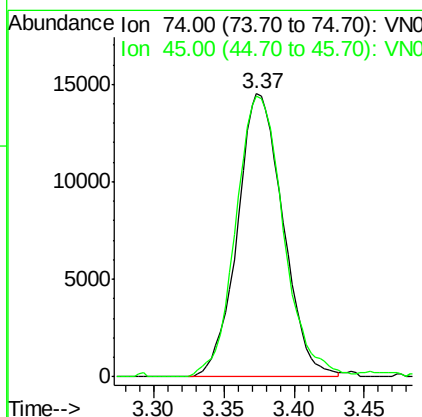
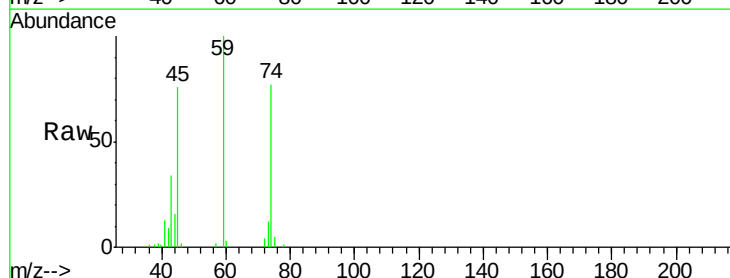
MMDadoda
 9/29/2020 4:37:59 PM

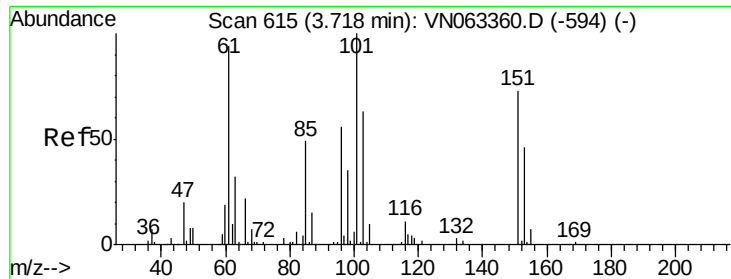


#8

Diethyl Ether
 Concen: 18.174 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.8	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.522 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

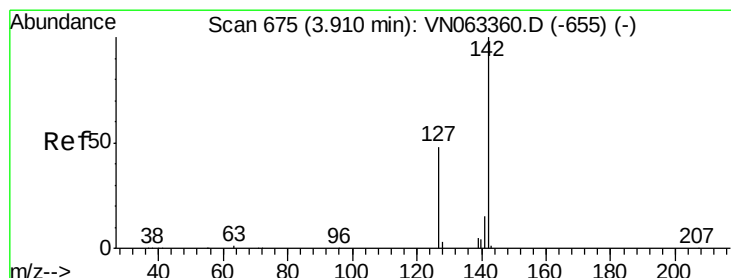
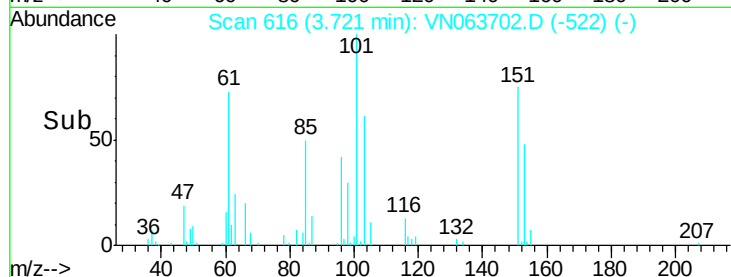
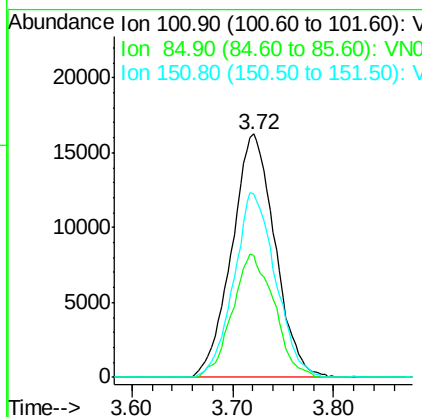
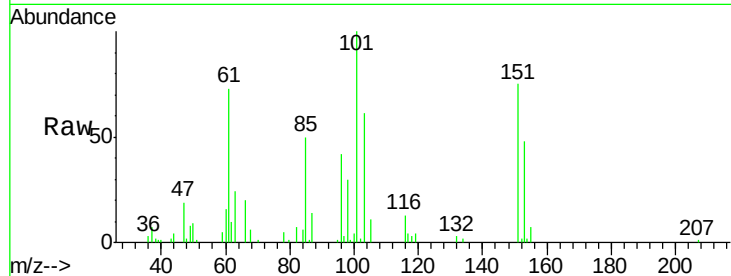
ClientSampleId :

VN0928WBSD01

Tot Ion:	101	Resp:	48300
Ion Ratio	Lower	Upper	
101	100		
85	49.0	37.7	56.5
151	73.1	57.7	86.5

Manual Integrations
APPROVED

MMDadoda
9/29/2020 4:37:59 PM



#10

Methyl Iodide

Concen: 16.809 ug/l

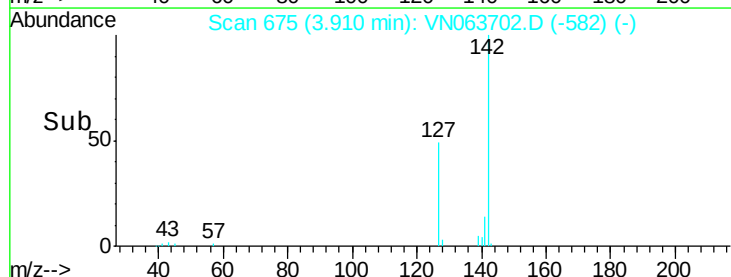
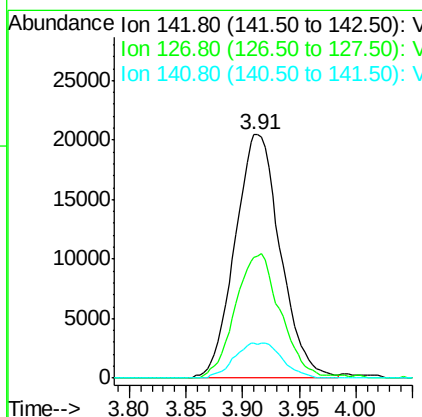
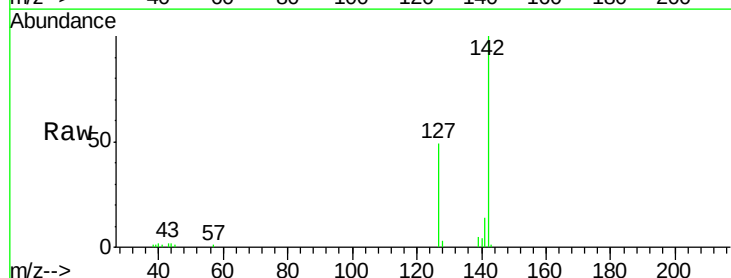
RT: 3.91 min Scan# 675

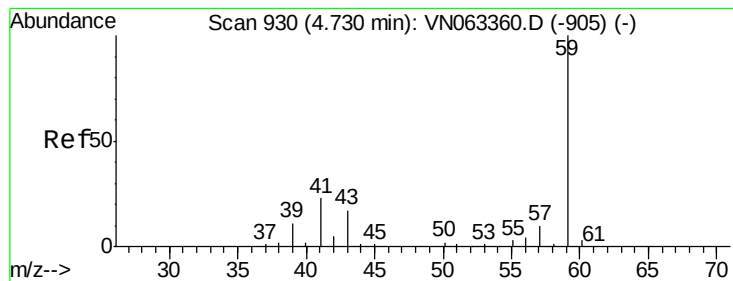
Delta R.T. -0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Tgt Ion:	142	Resp:	57069
Ion Ratio	Lower	Upper	
142	100		
127	50.7	39.0	58.6
141	7.8	11.6	17.4#





#11

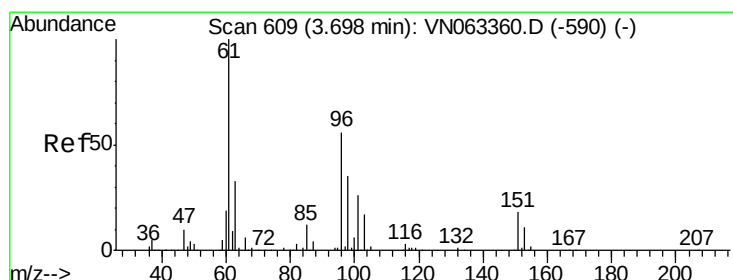
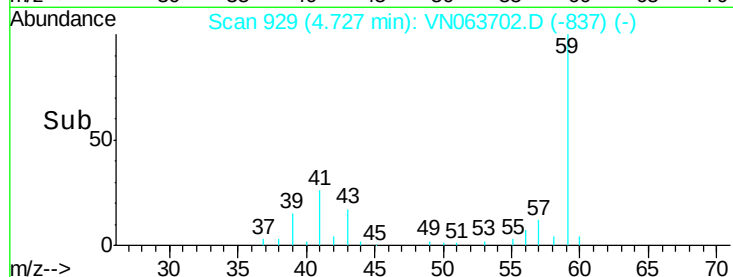
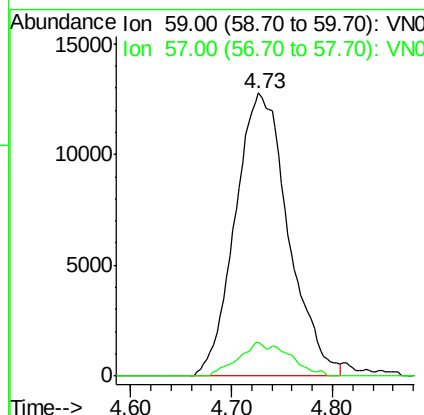
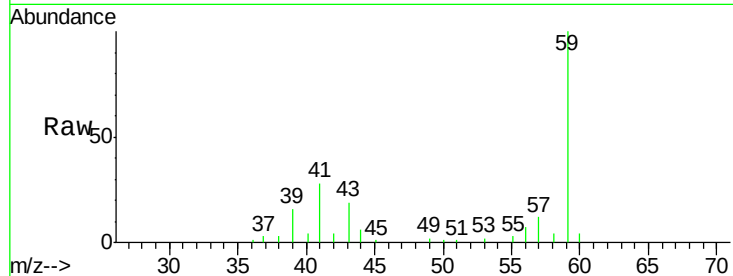
Tert butyl alcohol
 Concen: 84.724 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.0	8.4	12.6#

Manual Integrations
 APPROVED

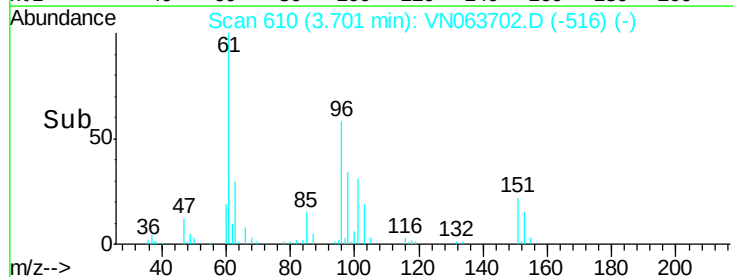
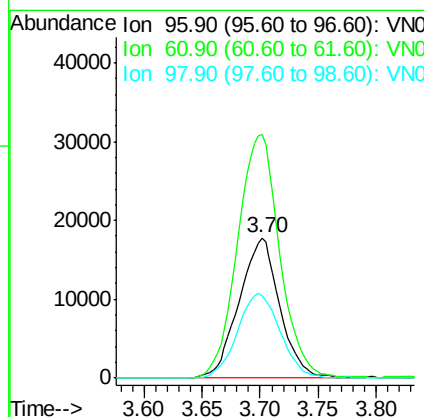
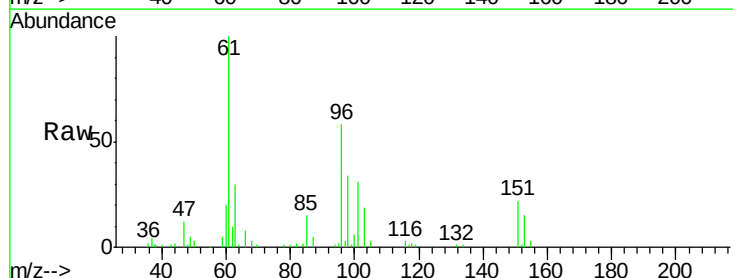
MMDadoda
 9/29/2020 4:37:59 PM

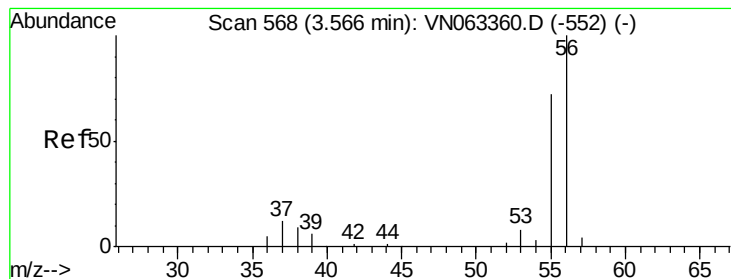


#12

1,1-Dichloroethene
 Concen: 16.412 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.3	143.4	215.2
98	59.0	50.6	76.0





#13

Acrolein

Concen: 70.907 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion: 56 Resp: 14504

Ion Ratio Lower Upper

56 100

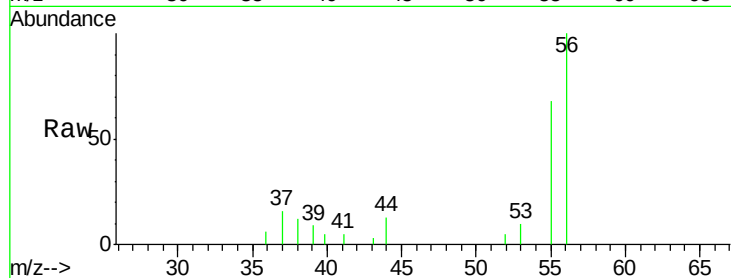
55 66.2 58.2 87.2

Manual Integrations

APPROVED

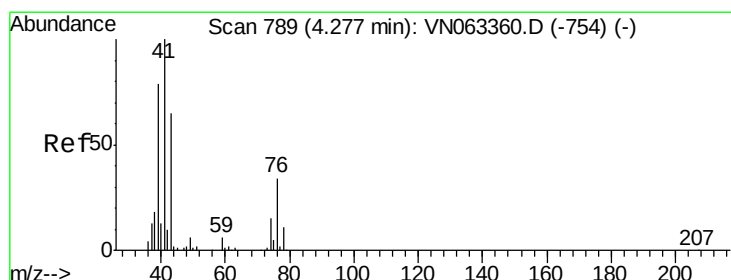
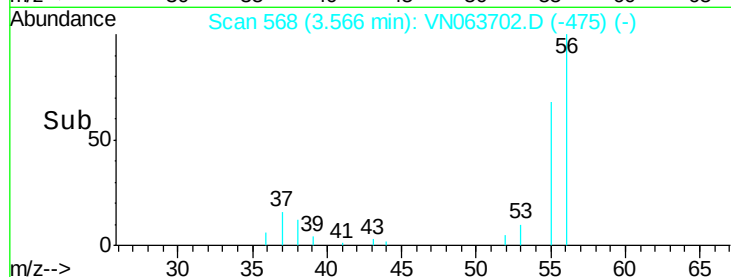
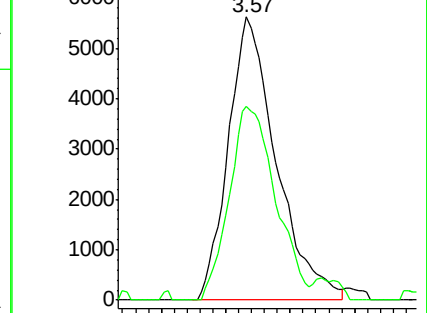
MMDadoda

9/29/2020 4:37:59 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.346 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

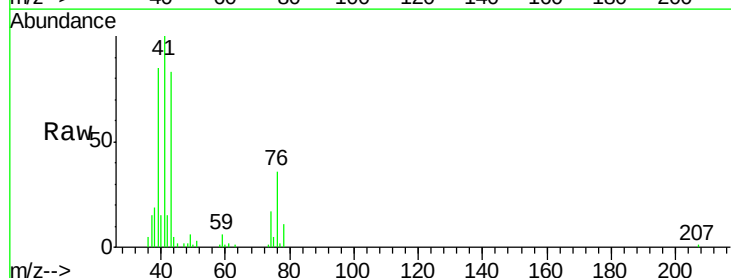
Tgt Ion: 41 Resp: 85399

Ion Ratio Lower Upper

41 100

39 76.9 59.3 88.9

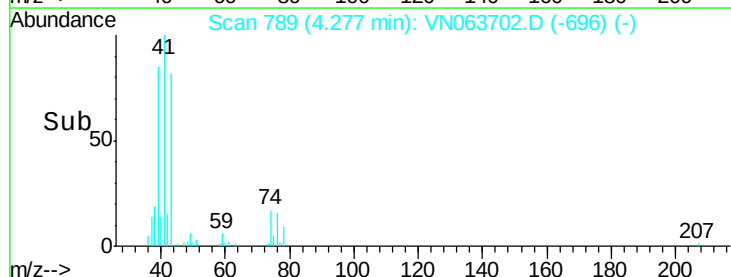
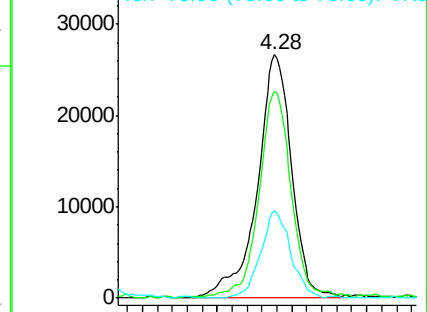
76 31.3 25.3 37.9

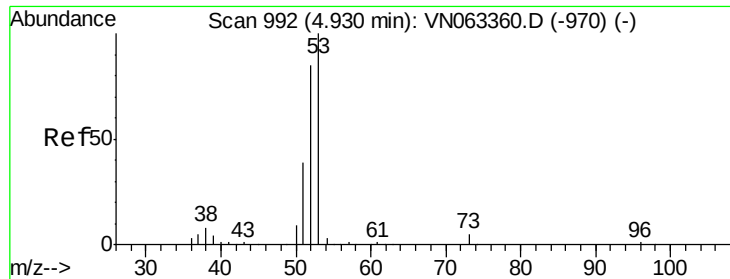


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 91.199 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

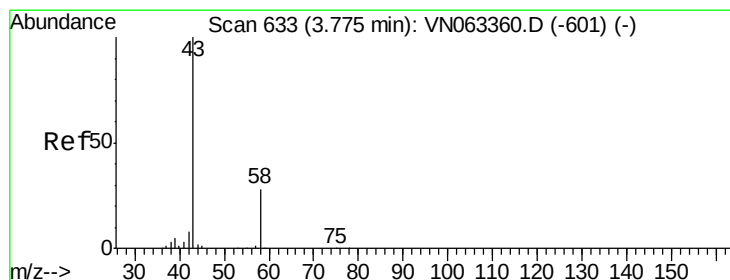
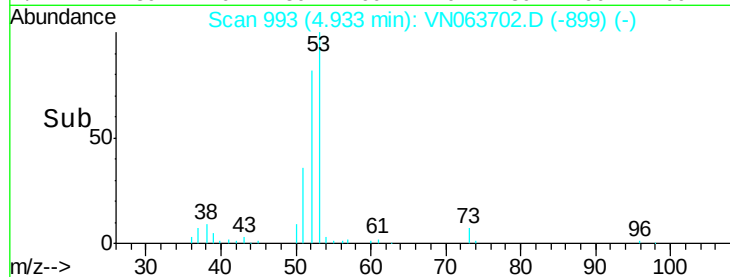
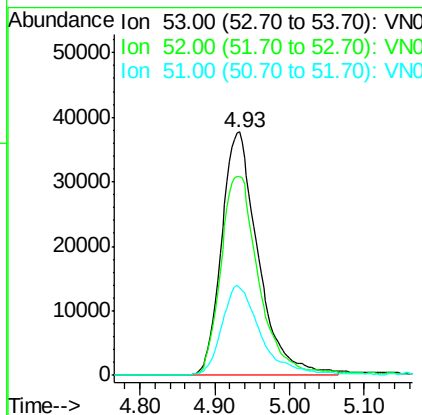
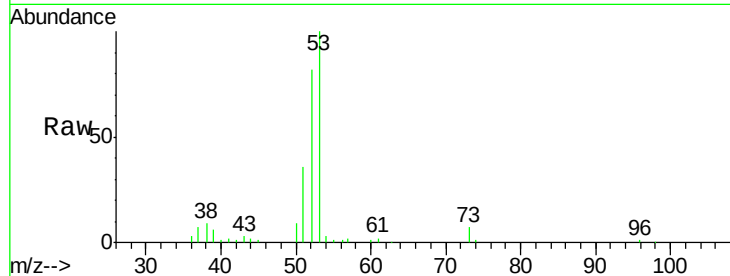
ClientSampleId :

VN0928WBSD01

Tot Ion:	53	Resp:	128043
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.4	99.6
51	38.9	30.2	45.4

Manual Integrations
APPROVED

MMDadoda
9/29/2020 4:37:59 PM



#16

Acetone

Concen: 94.286 ug/l

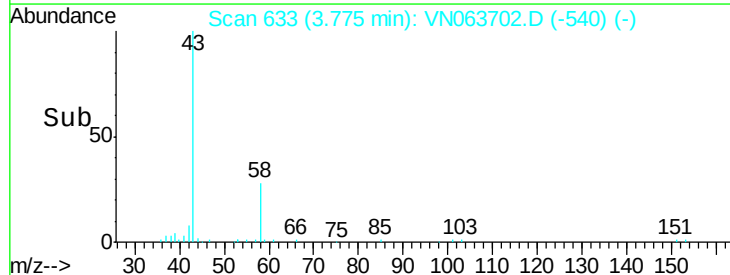
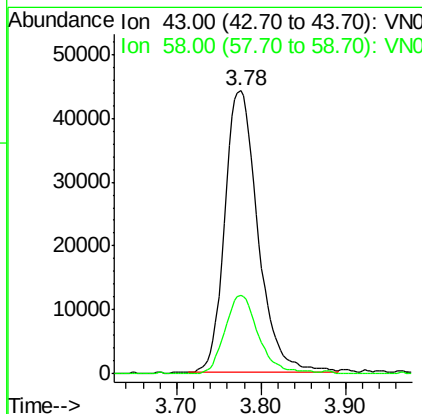
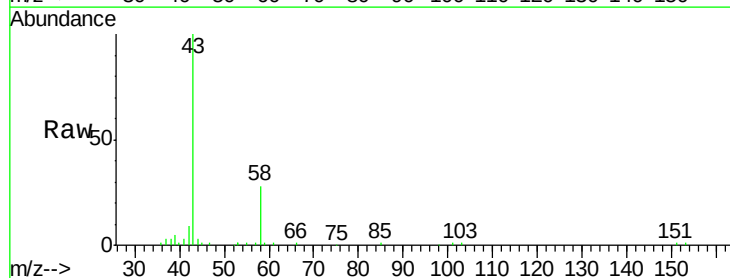
RT: 3.78 min Scan# 633

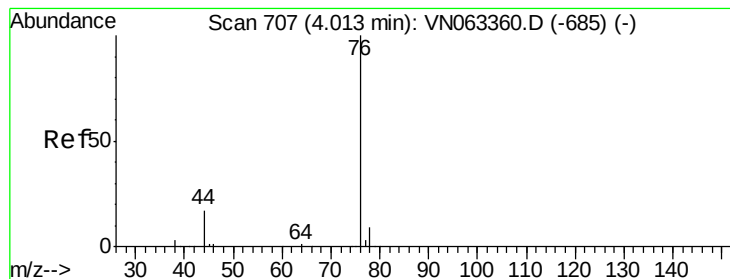
Delta R.T. -0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Tgt Ion:	43	Resp:	120731
Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.3	33.5





#17

Carbon Disulfide

Concen: 14.364 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion: 76 Resp: 110359

Ion Ratio Lower Upper

76 100

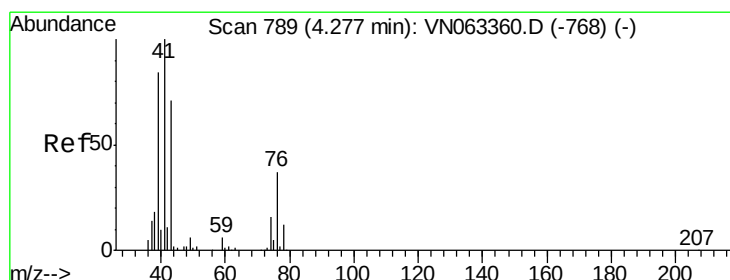
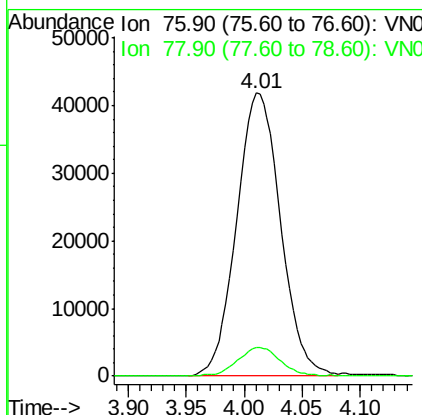
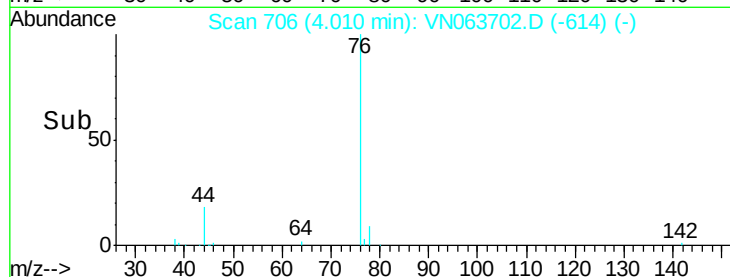
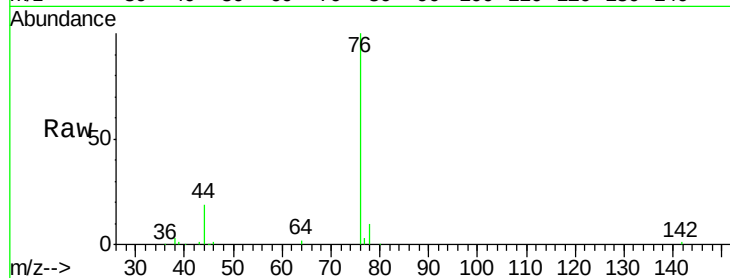
78 10.1 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

9/29/2020 4:37:59 PM



#18

Methyl Acetate

Concen: 20.300 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063702.D

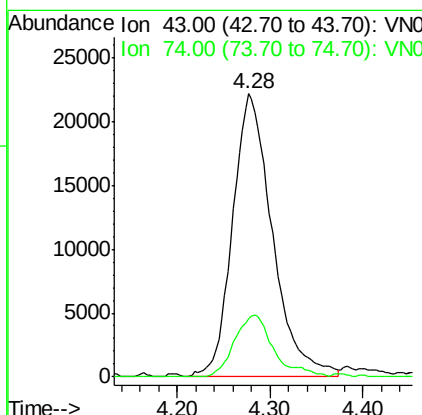
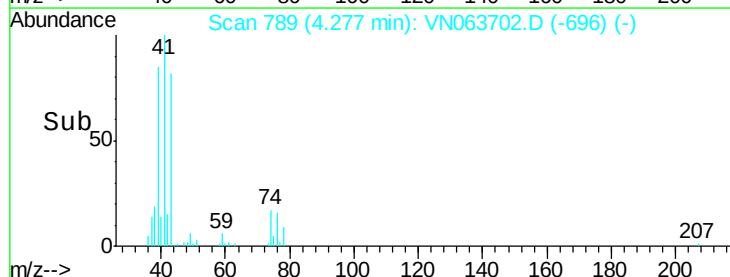
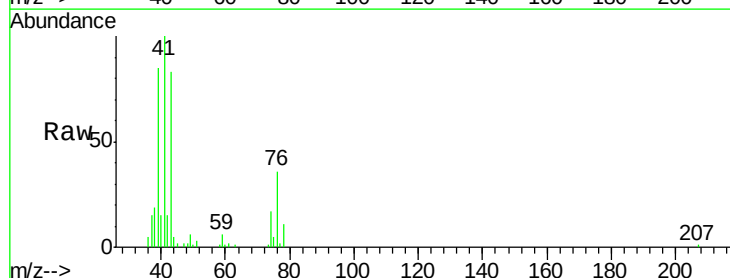
Acq: 28 Sep 2020 13:57

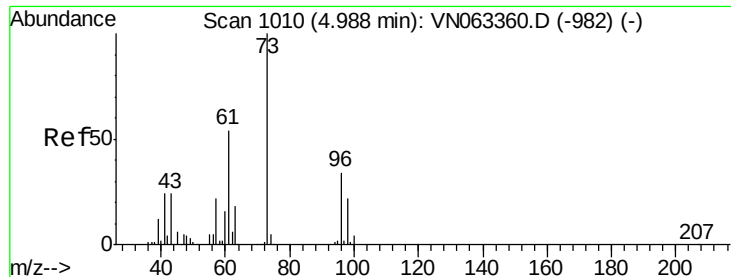
Tgt Ion: 43 Resp: 65988

Ion Ratio Lower Upper

43 100

74 21.5 17.4 26.2





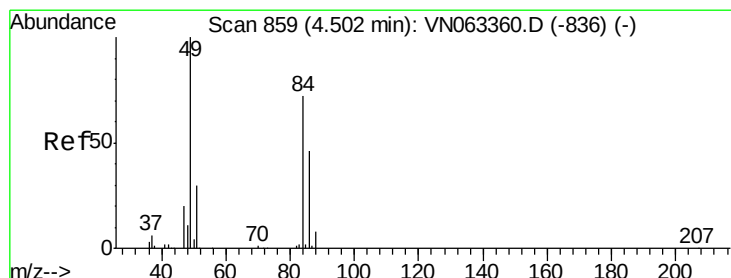
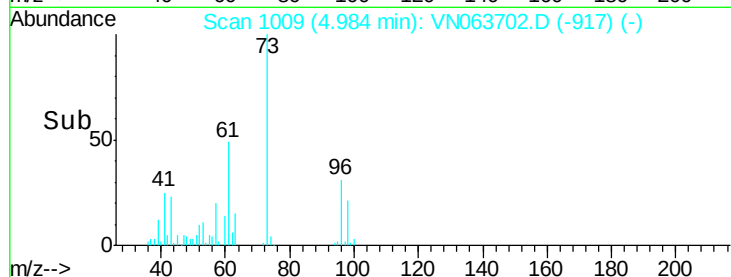
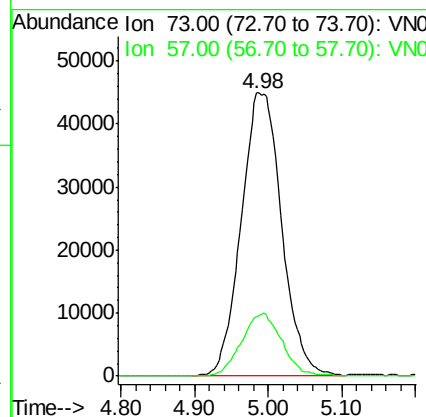
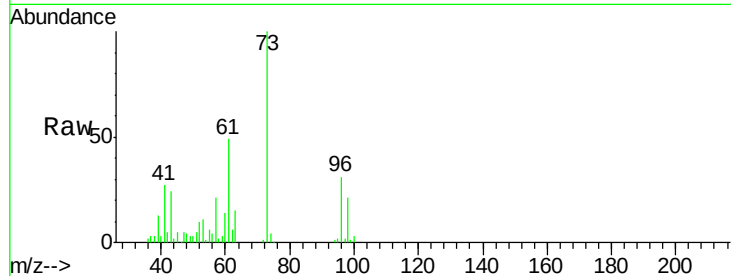
#19
Methvl tert-butvl Ether
Concen: 17.454 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion: 73 Resp: 171818
Ion Ratio Lower Upper
73 100
57 21.2 17.9 26.9

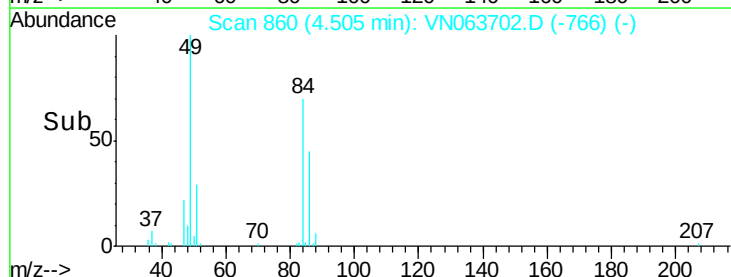
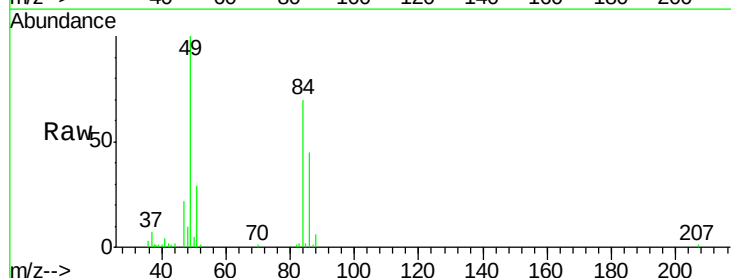
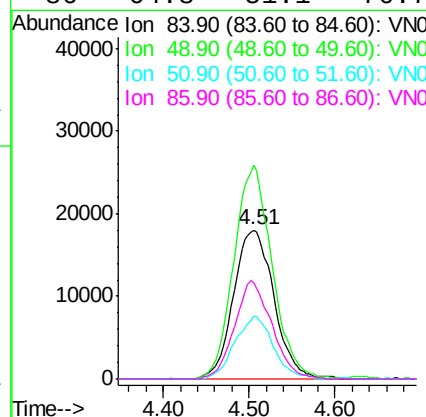
Manual Integrations
APPROVED

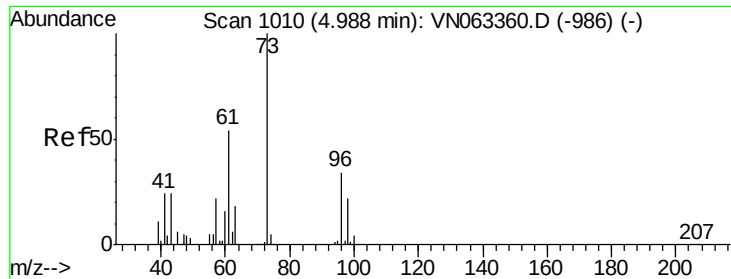
MMDadoda
9/29/2020 4:37:59 PM



#20
Methylene Chloride
Concen: 18.165 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Tgt Ion: 84 Resp: 58932
Ion Ratio Lower Upper
84 100
49 143.7 110.7 166.1
51 42.0 32.9 49.3
86 64.8 51.1 76.7





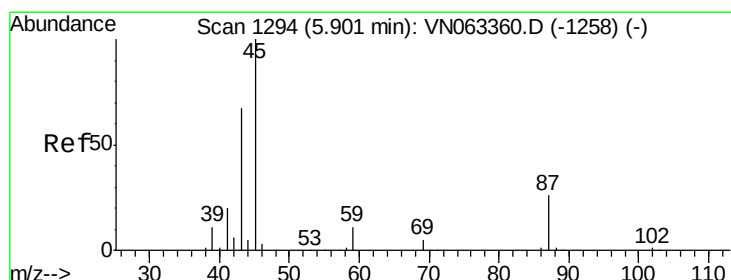
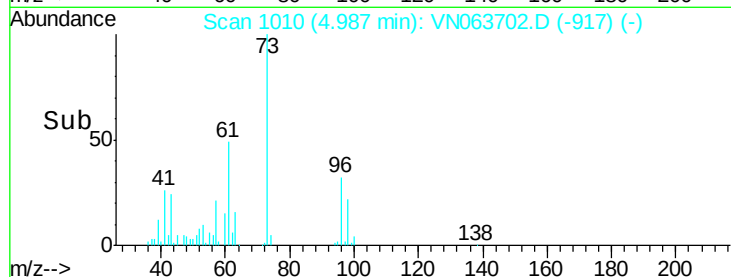
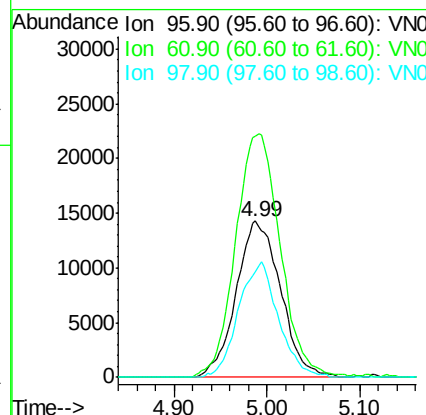
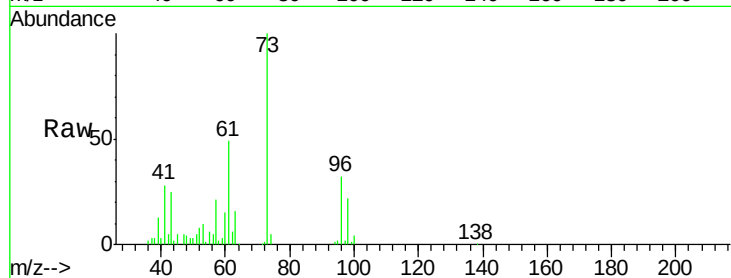
#21
trans-1,2-Dichloroethene
Concen: 16.249 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.5	126.2	189.4
98	67.8	51.0	76.4

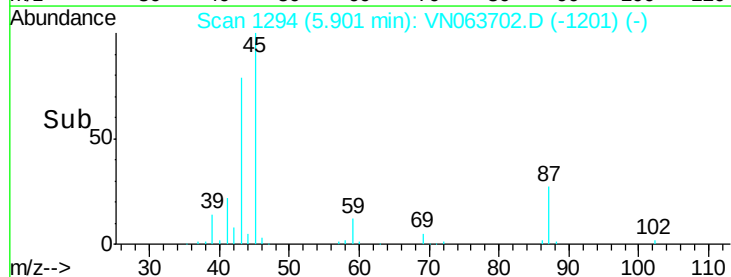
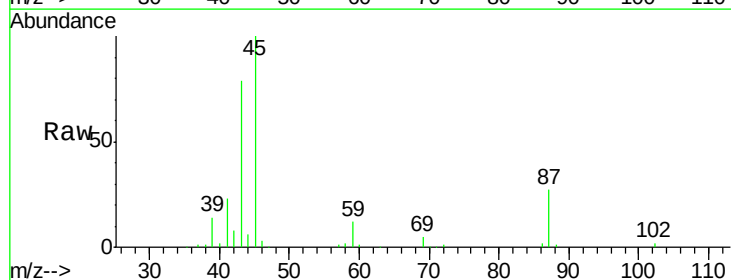
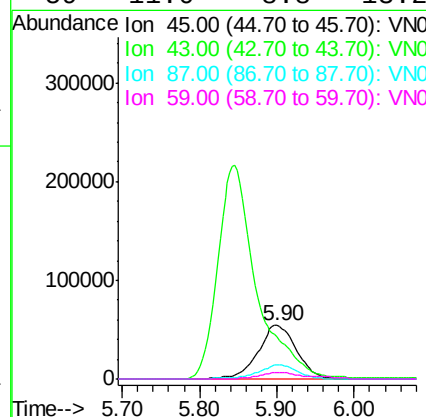
Manual Integrations
APPROVED

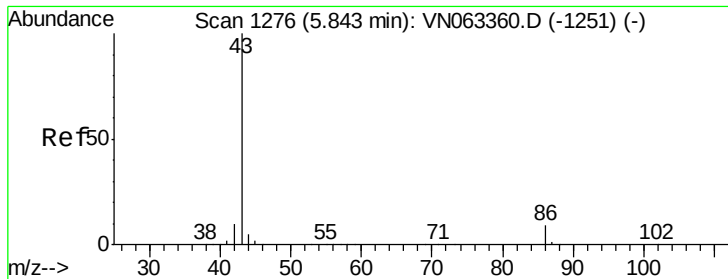
MMDadoda
9/29/2020 4:37:59 PM



#22
Diisopropyl ether
Concen: 17.594 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.7	53.5	80.3
87	26.5	21.2	31.8
59	11.0	8.8	13.2





#23

Vinyl Acetate

Concen: 86.467 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

ClientSampleID :

VN0928WBSD01

Tot Ion: 43 Resp: 756661

Ion Ratio Lower Upper

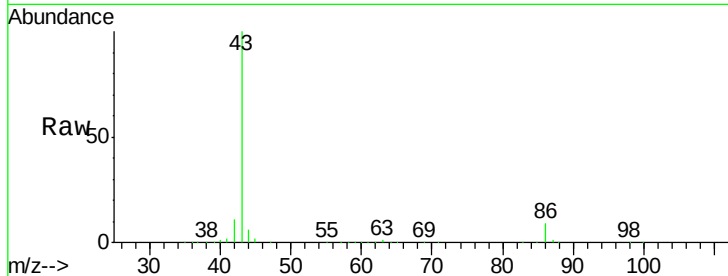
43 100

86 9.0 7.1 10.7

Manual Integrations
APPROVED

MMDadoda

9/29/2020 4:37:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN063702.D (-1183) (-)

Ion 86.00 (85.70 to 86.70): VN063702.D (-1183) (-)

250000

200000

150000

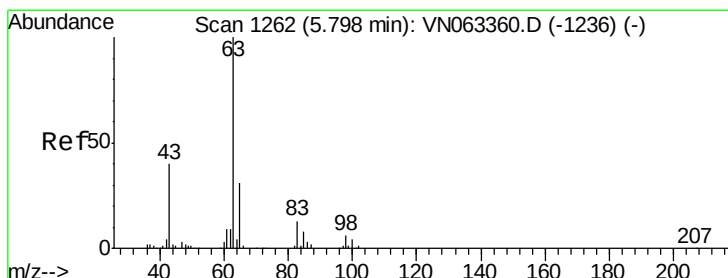
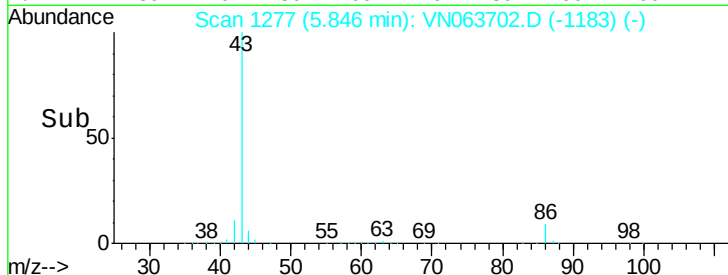
100000

50000

0

5.70 5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 17.984 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

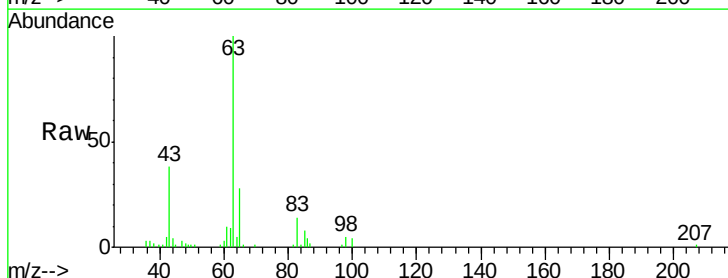
Tgt Ion: 63 Resp: 104617

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.8

100 3.5 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN063702.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN063702.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN063702.D (-1169) (-)

40000

30000

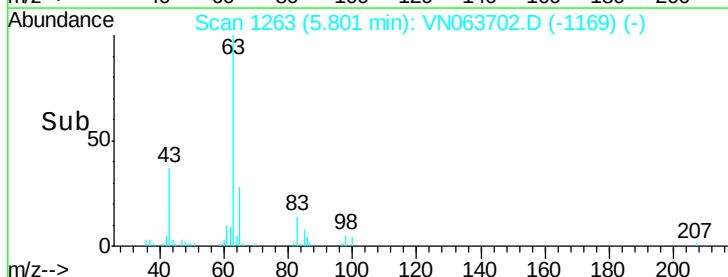
20000

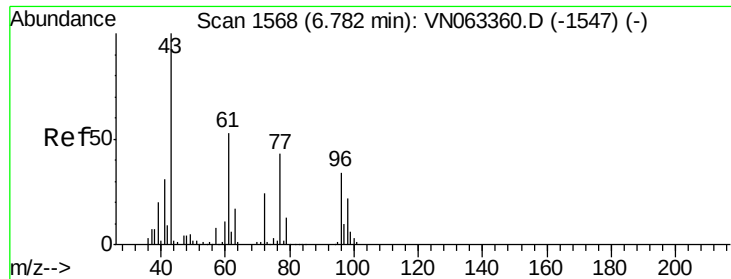
10000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 88.393 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

ClientSampled :

VN0928WBSD01

Tot Ion: 43 Resp: 174075

Ion Ratio Lower Upper

43 100

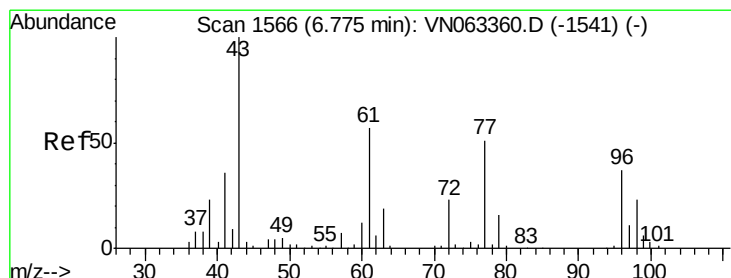
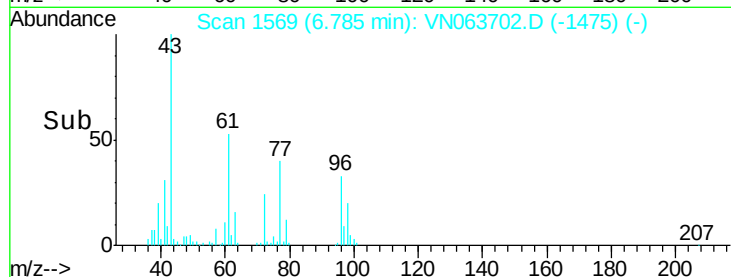
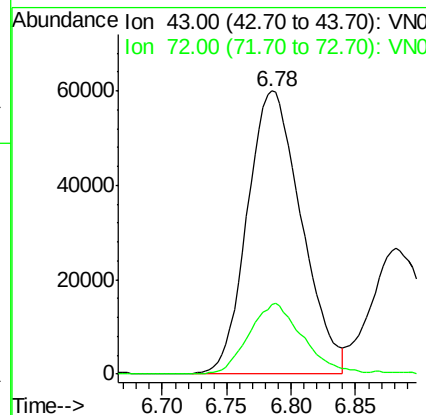
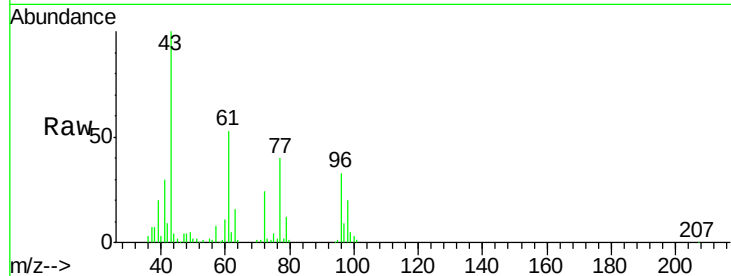
72 24.5 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

9/29/2020 4:37:59 PM



#26

2,2-Dichloropropane

Concen: 16.793 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063702.D

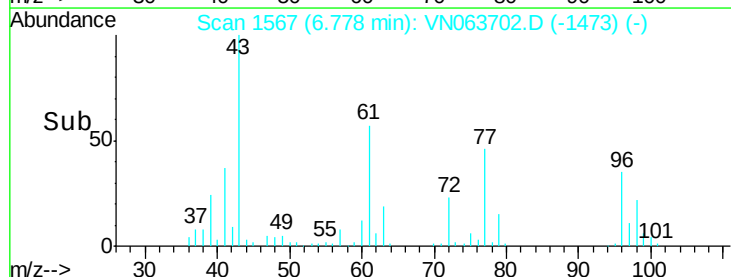
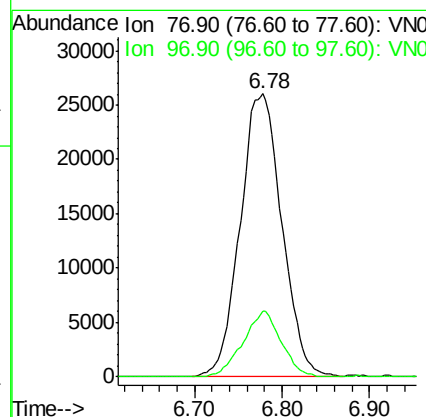
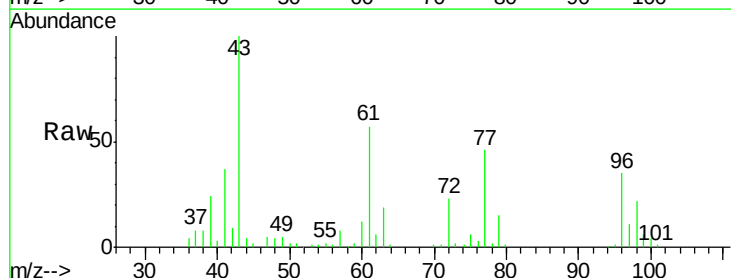
Acq: 28 Sep 2020 13:57

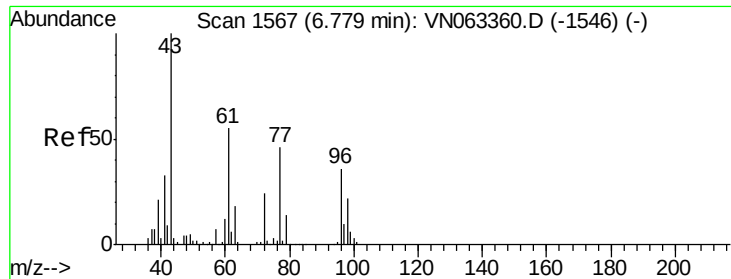
Tgt Ion: 77 Resp: 86011

Ion Ratio Lower Upper

77 100

97 21.2 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 17.678 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

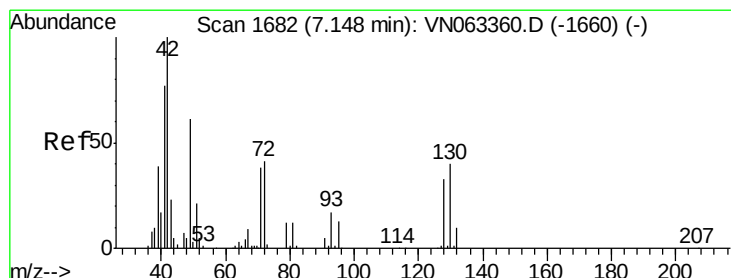
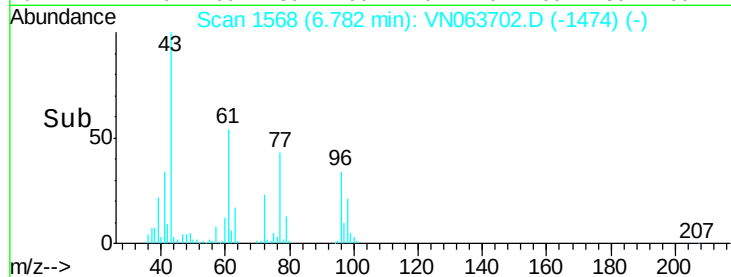
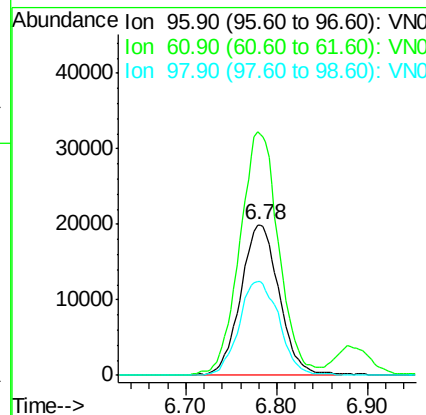
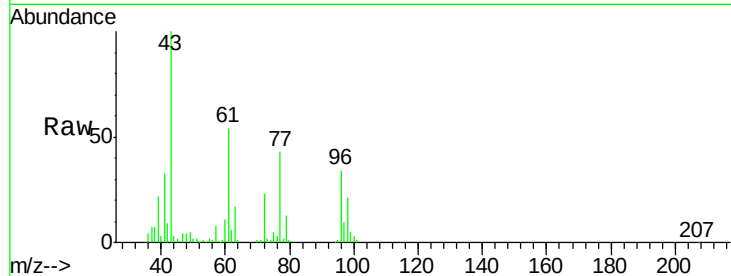
ClientSampleId :

VN0928WBSD01

Tot Ion:	96	Resp:	58553
Ion	Ratio	Lower	Upper
96	100		
61	163.9	0.0	319.6
98	64.8	0.0	127.8

Manual Integrations
APPROVED

MMDadoda
9/29/2020 4:37:59 PM



#28

Bromochloromethane

Concen: 20.779 ug/l

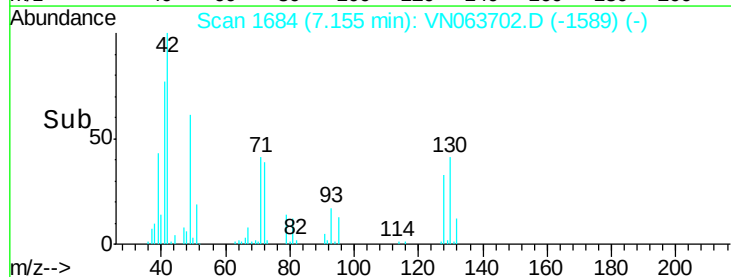
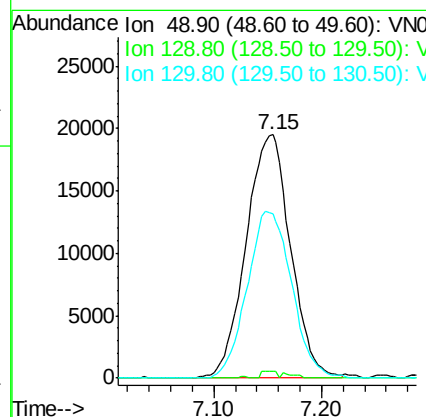
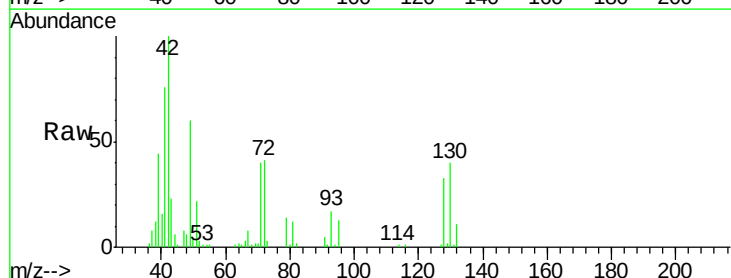
RT: 7.15 min Scan# 1684

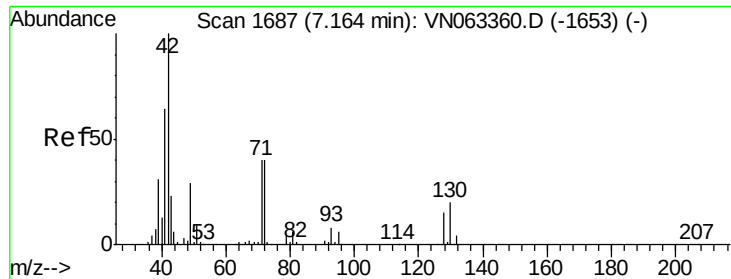
Delta R.T. 0.01 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Tgt Ion:	49	Resp:	55814
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	68.4	52.2	78.2





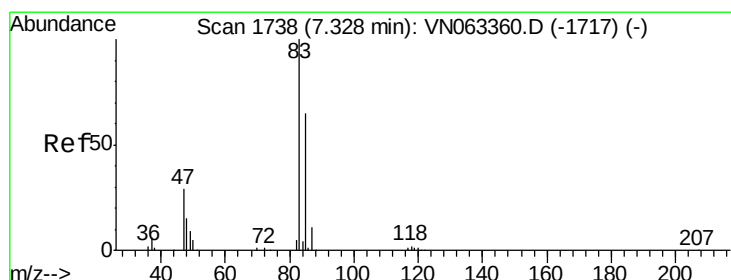
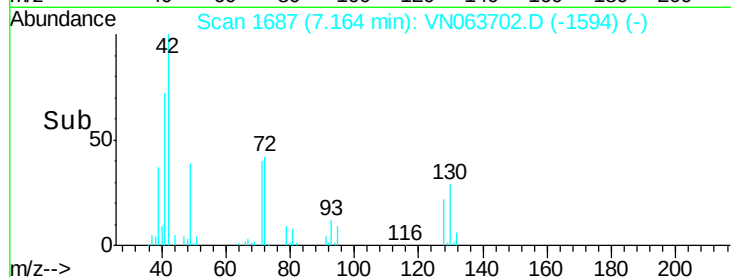
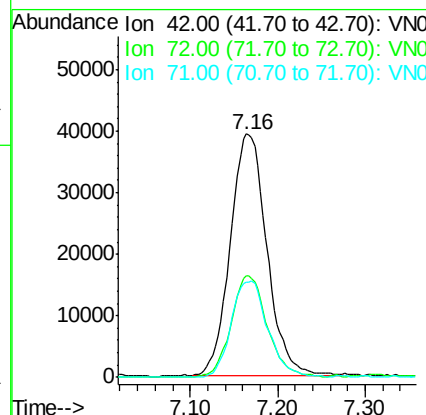
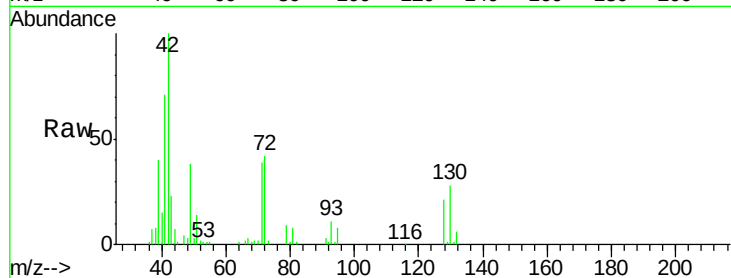
#29
Tetrahydrofuran
Concen: 83.981 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Instrument :
MSVOA_N
ClientSampled :
VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.1	48.1
71	40.3	31.2	46.8

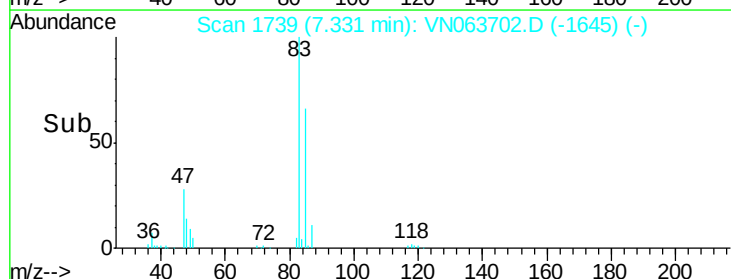
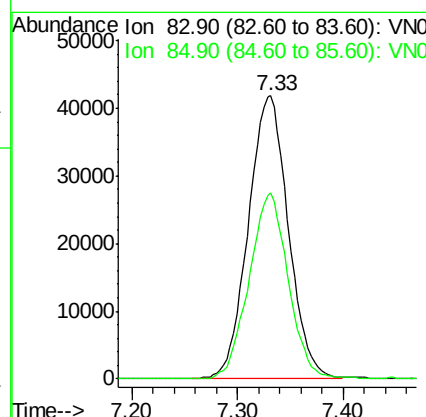
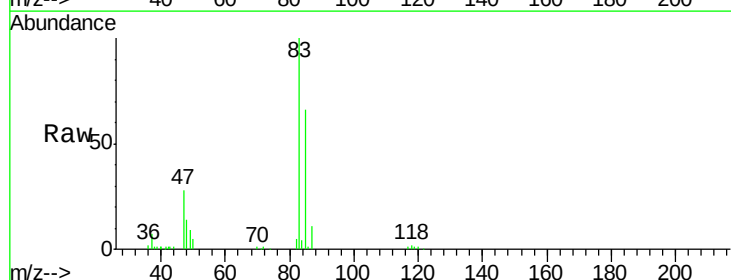
Manual Integrations
APPROVED

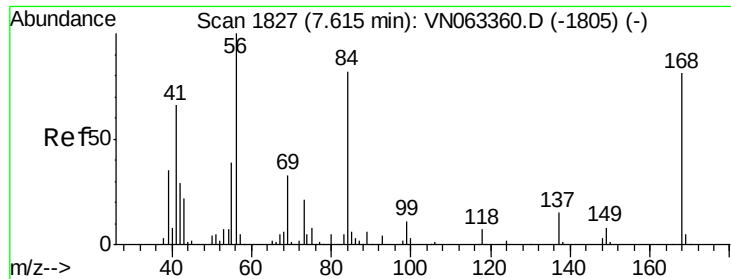
MMDadoda
9/29/2020 4:37:59 PM



#30
Chloroform
Concen: 18.929 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.1	78.1





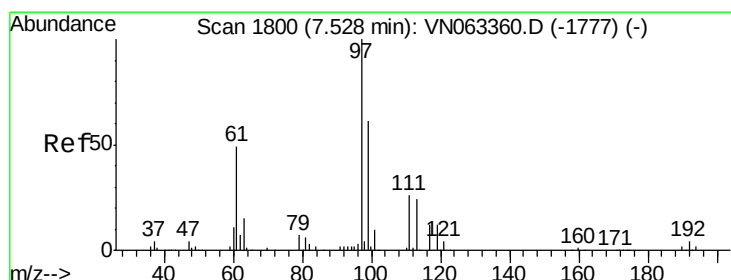
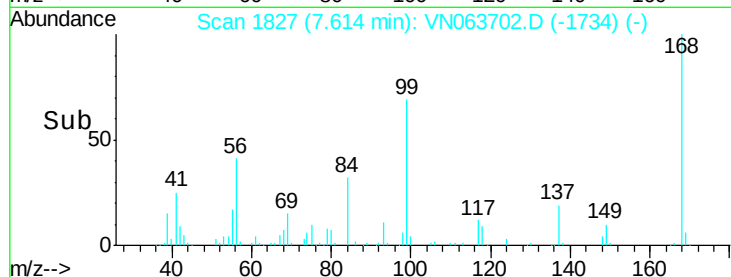
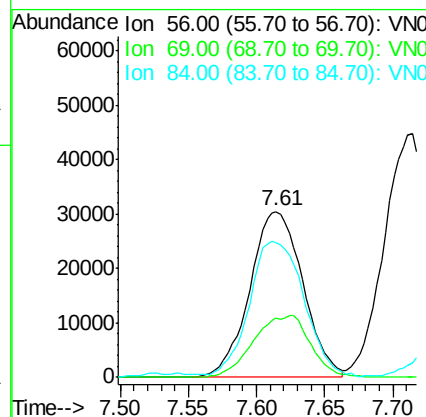
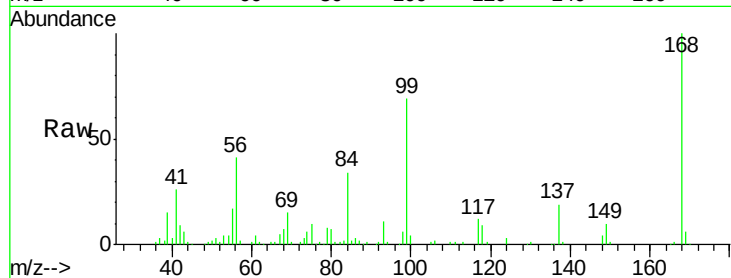
#31
Cyclohexane
Concen: 14.967 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	26.1	39.1
84	80.0	65.4	98.2

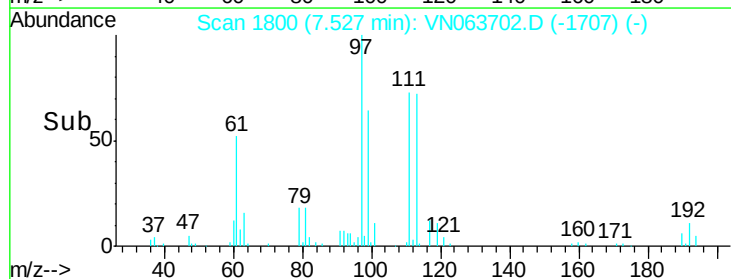
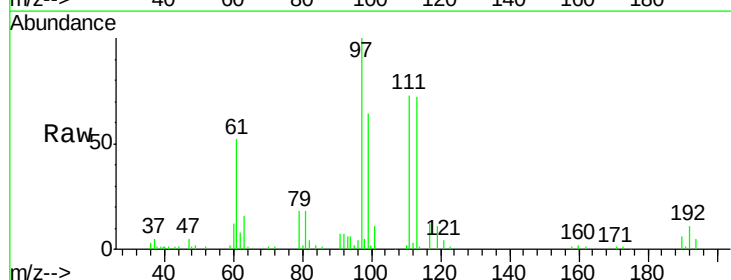
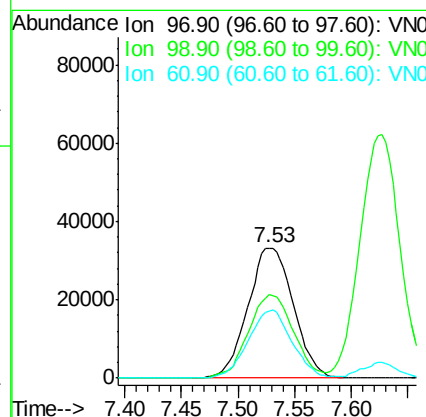
Manual Integrations
APPROVED

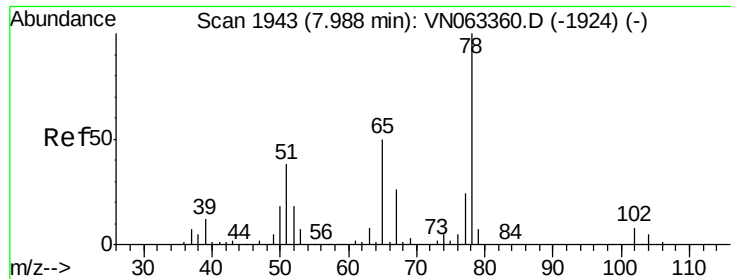
MMDadoda
9/29/2020 4:37:59 PM



#32
1,1,1-Trichloroethane
Concen: 17.863 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	76.0
61	50.2	39.2	58.8





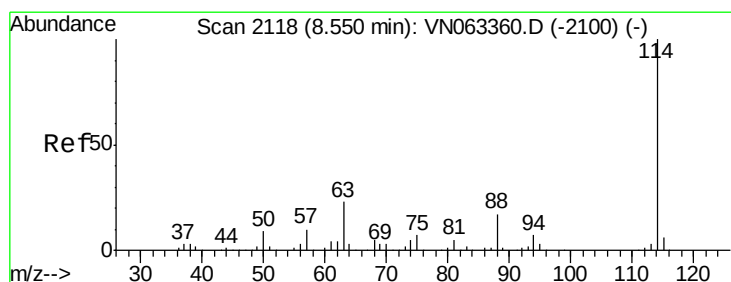
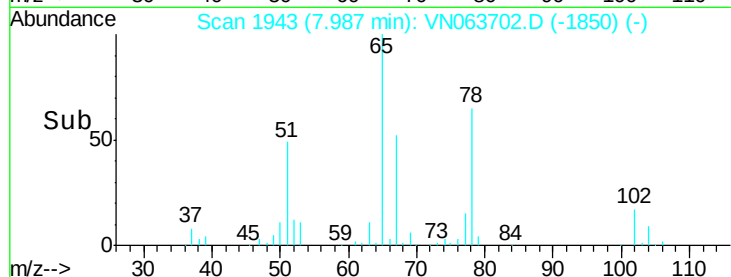
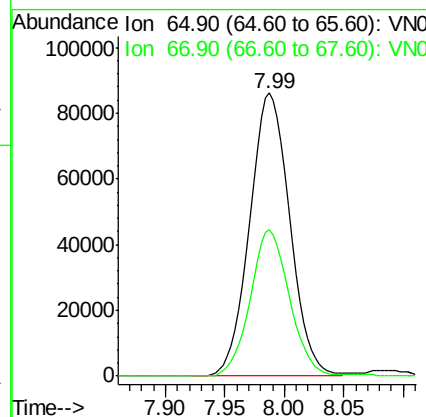
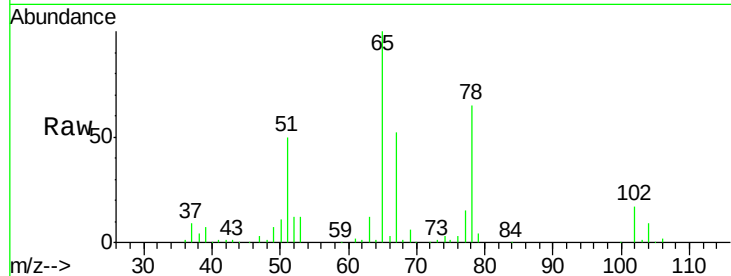
#33
 1,2-Dichloroethane-d4
 Concen: 50.612 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	201651		
67	50.5	0.0	104.2	

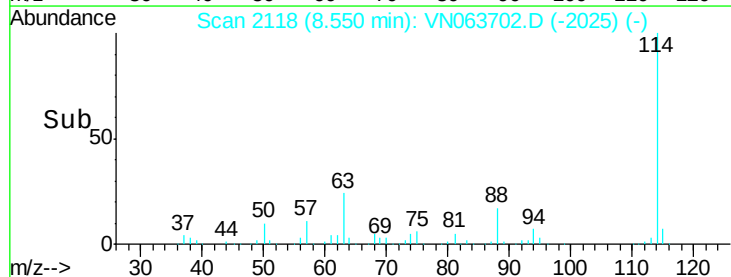
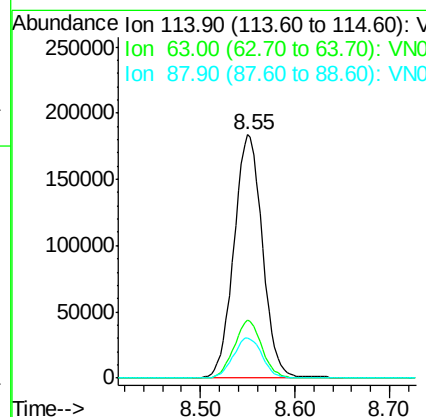
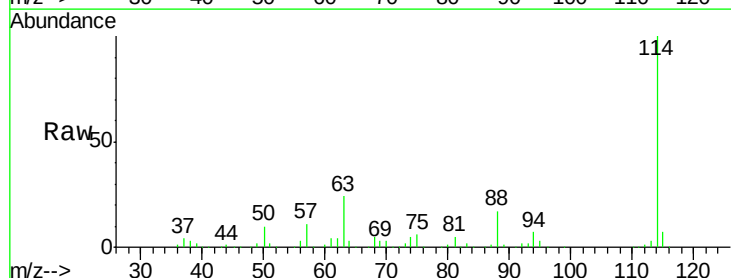
Manual Integrations
 APPROVED

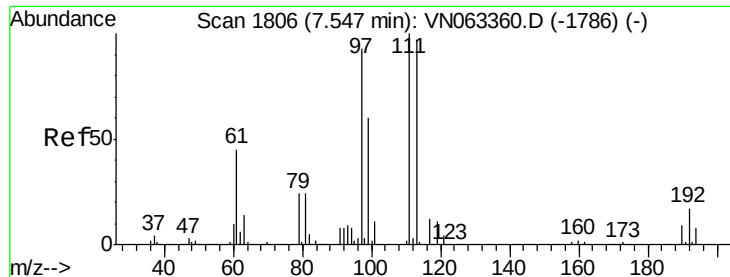
MMDadoda
 9/29/2020 4:37:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	385037		
63	23.9	0.0	46.4	
88	16.6	0.0	33.2	





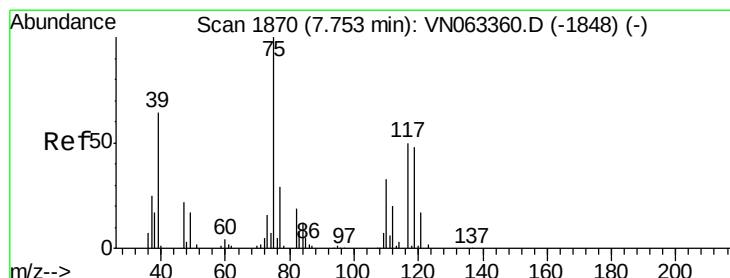
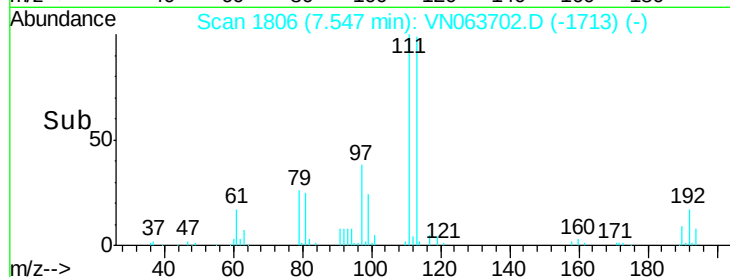
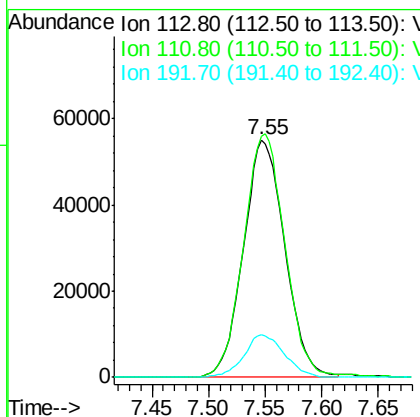
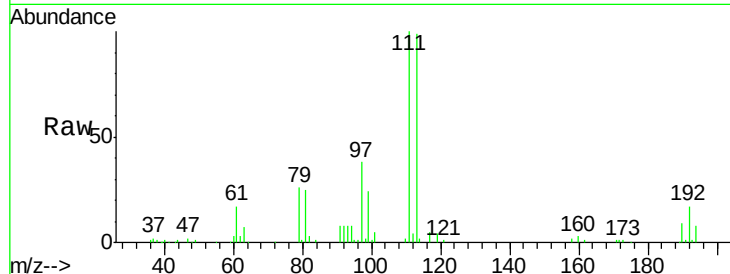
#35
 Dibromofluoromethane
 Concen: 52.515 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0928WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	139981		
111	102.2	82.9	124.3	
192	17.5	13.9	20.9	

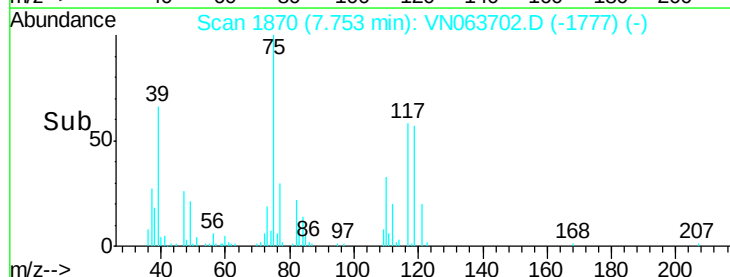
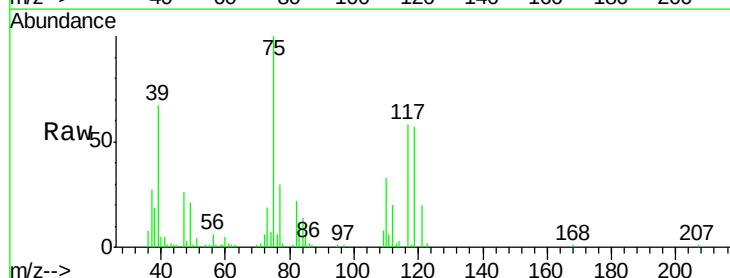
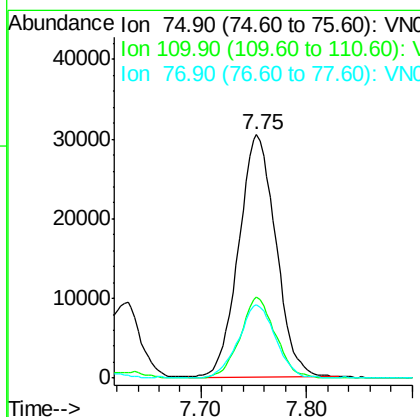
Manual Integrations
 APPROVED

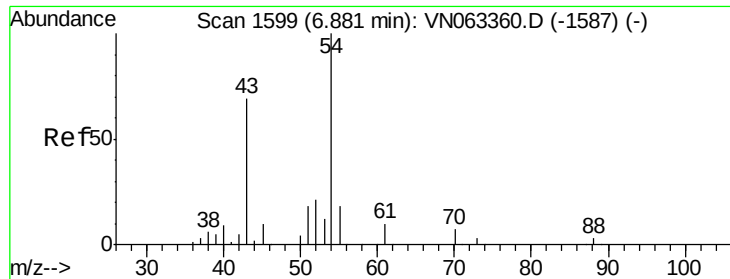
MMDadoda
 9/29/2020 4:37:59 PM



#36
 1,1-Dichloropropene
 Concen: 18.145 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	74430		
110	31.5	16.5	49.5	
77	30.4	24.6	36.8	





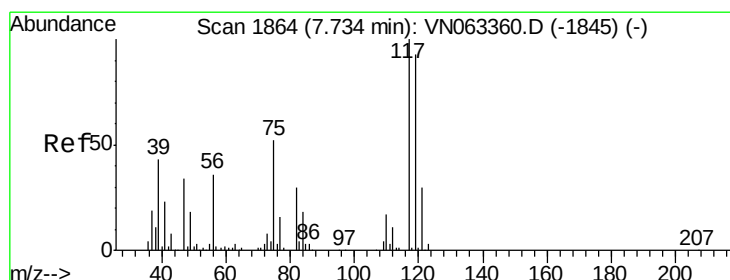
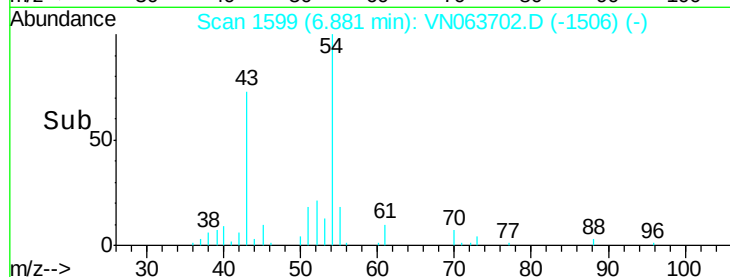
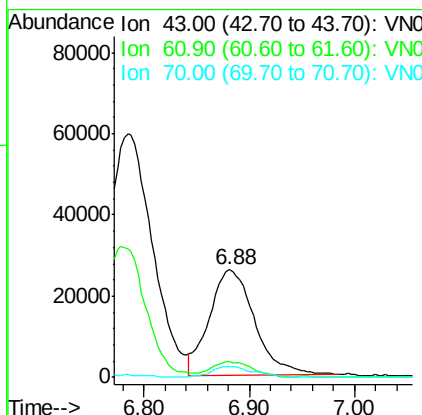
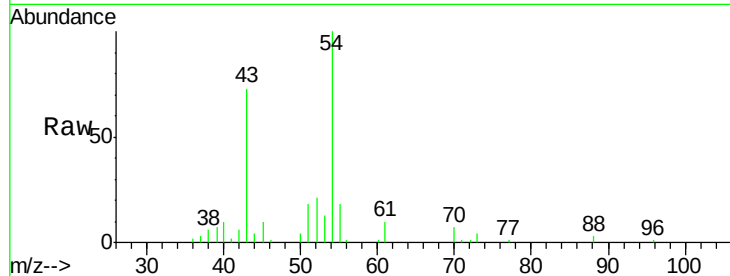
#37
Ethyl Acetate
Concen: 19.192 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.6	15.8
70	9.7	7.2	10.8

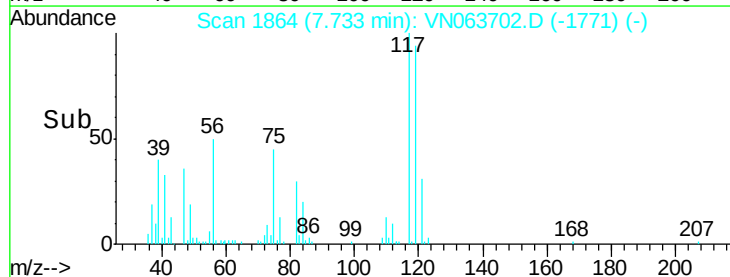
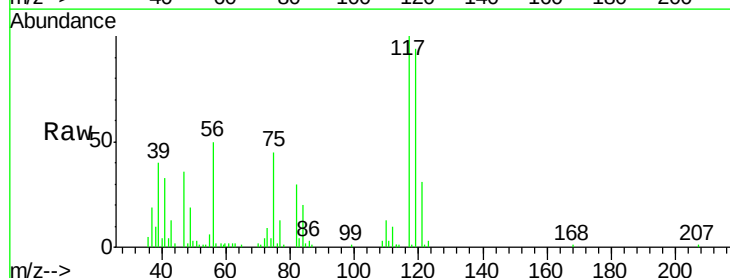
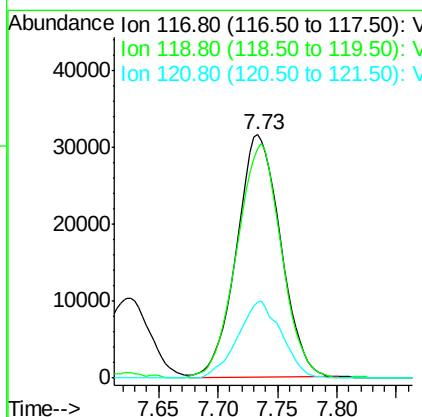
Manual Integrations
APPROVED

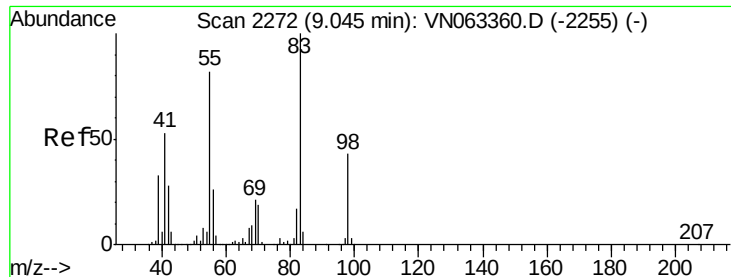
MMDadoda
9/29/2020 4:37:59 PM



#38
Carbon Tetrachloride
Concen: 19.238 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	74.5	111.7
121	31.4	24.1	36.1





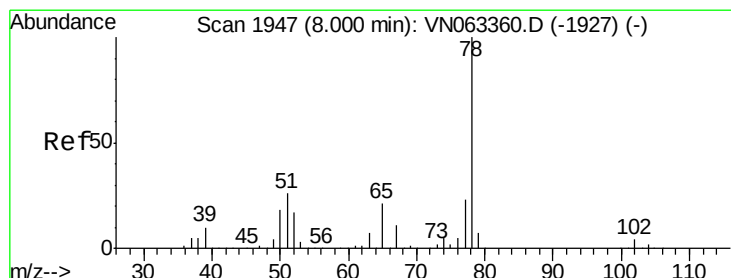
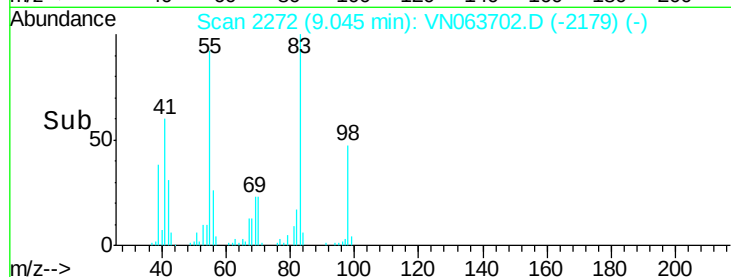
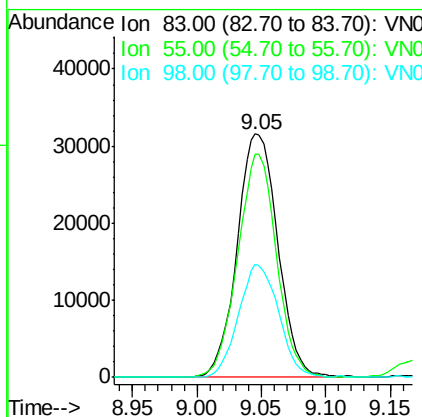
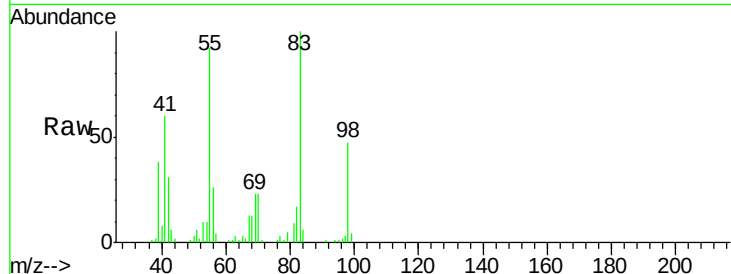
#39
Methylvlcyclohexane
Concen: 15.566 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.9	65.5	98.3
98	46.5	34.2	51.4

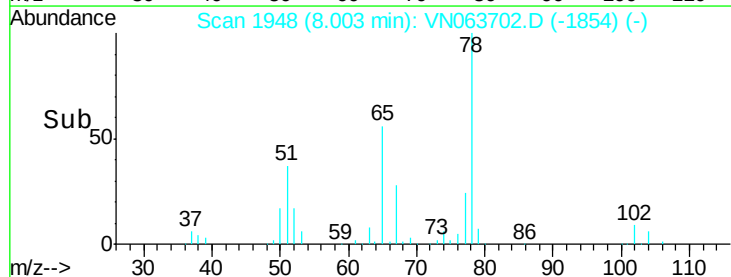
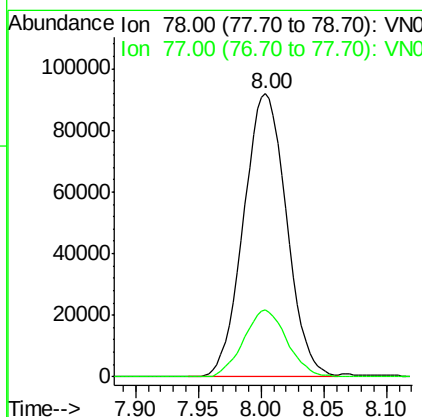
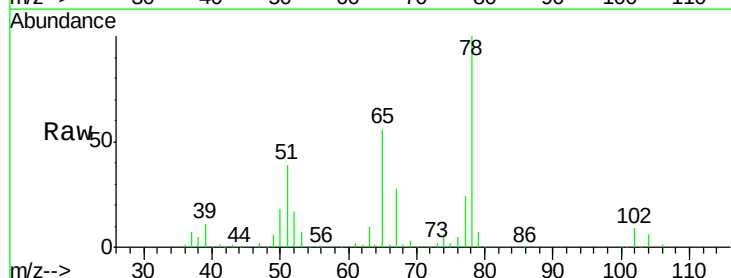
Manual Integrations
APPROVED

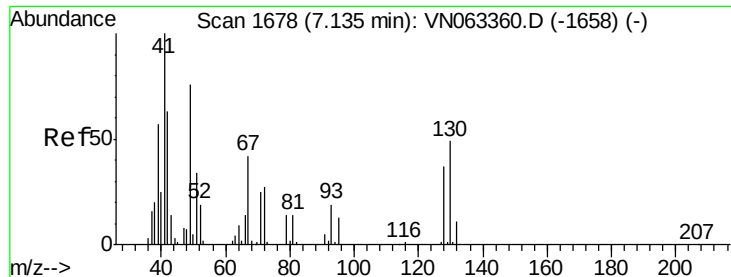
MMDadoda
9/29/2020 4:37:59 PM



#40
Benzene
Concen: 18.771 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.3	27.5





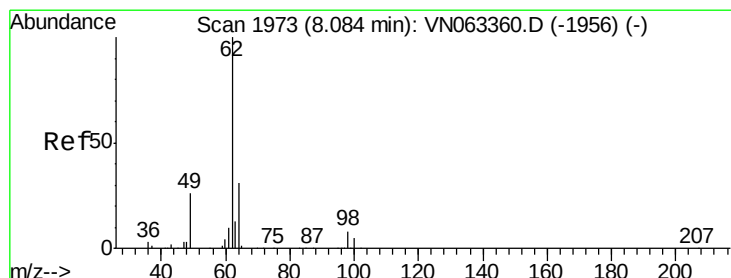
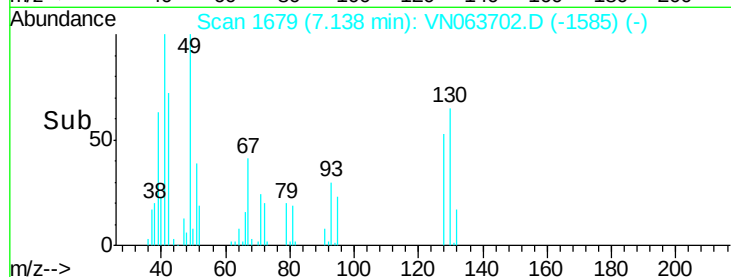
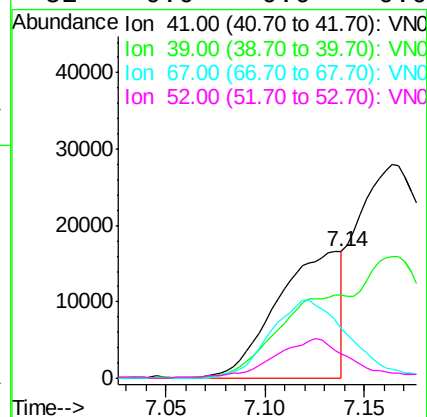
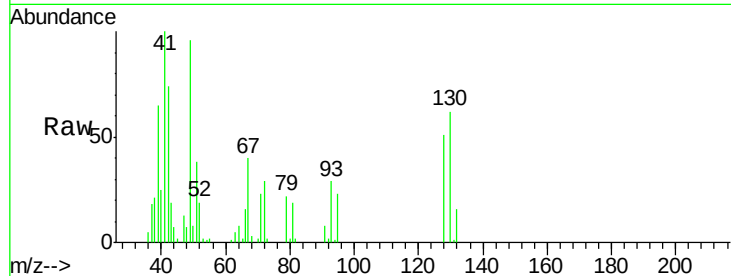
#41
Methacrylonitrile
Concen: 20.940 ug/l m
RT: 7.14 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		37916		
39	183.5	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0

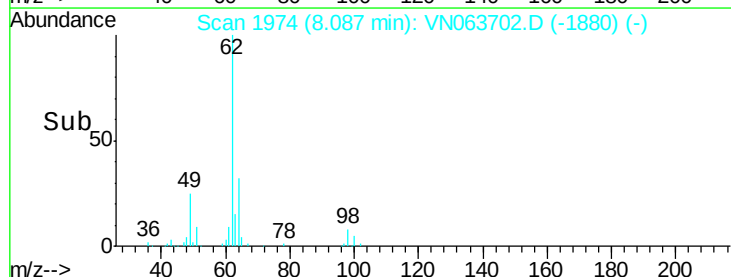
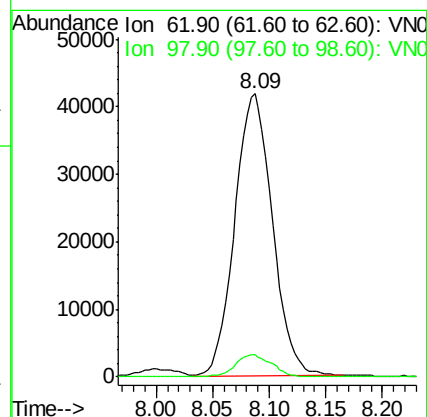
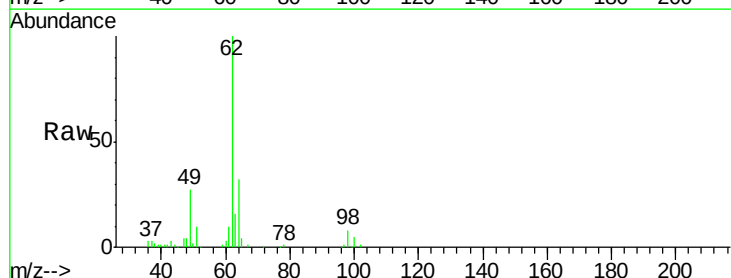
Manual Integrations
APPROVED

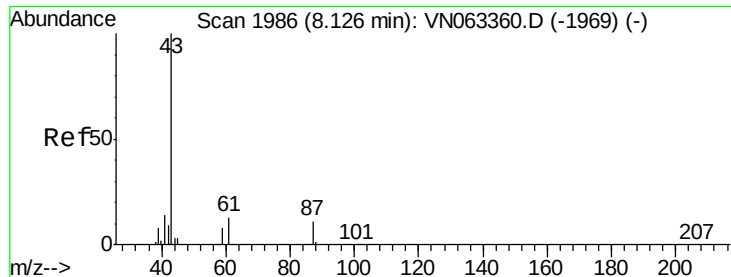
MMDadoda
9/29/2020 4:37:59 PM



#42
1,2-Dichloroethane
Concen: 20.640 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		97194		
98	7.6	0.0	15.6		





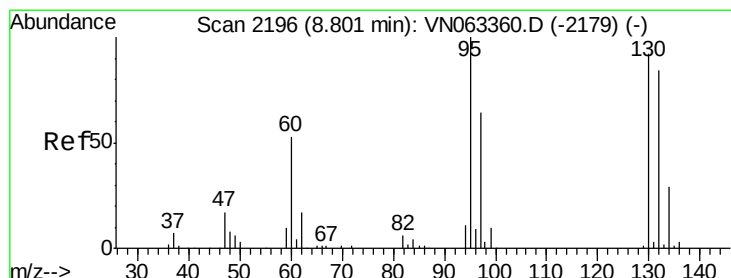
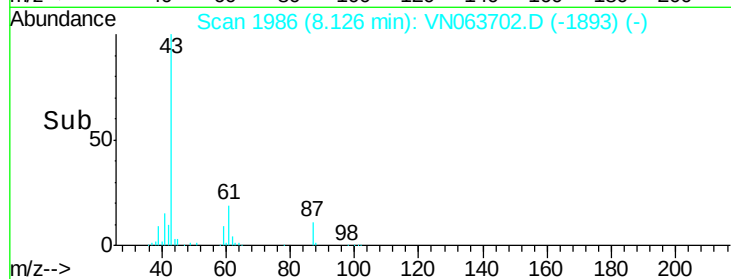
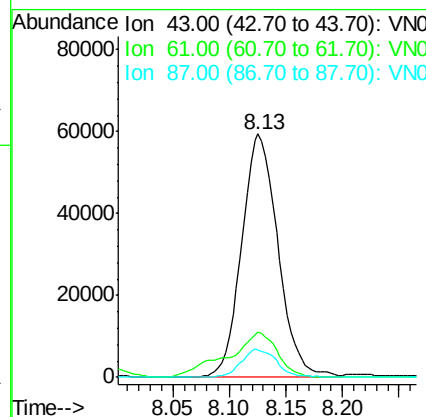
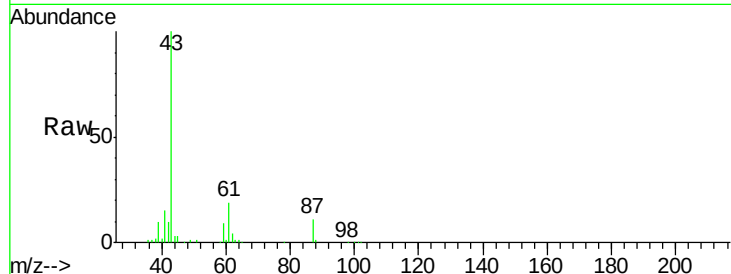
#43
Isopropyl Acetate
Concen: 18.530 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.5	14.2	21.2#
87	11.3	9.0	13.6

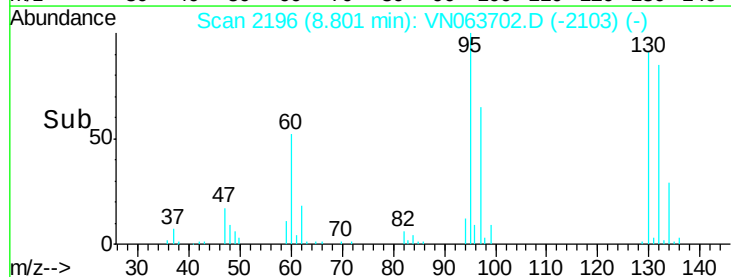
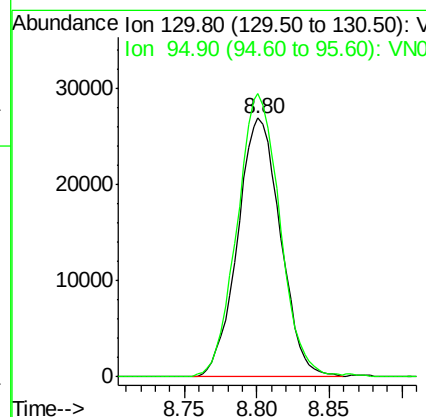
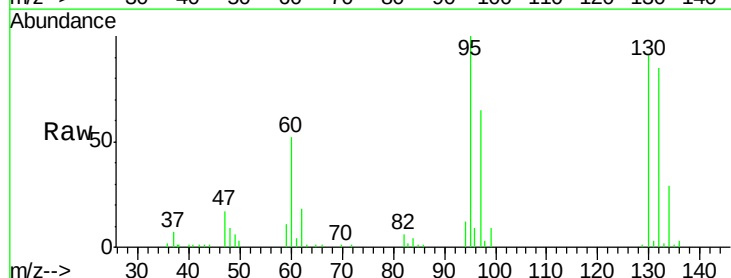
Manual Integrations
APPROVED

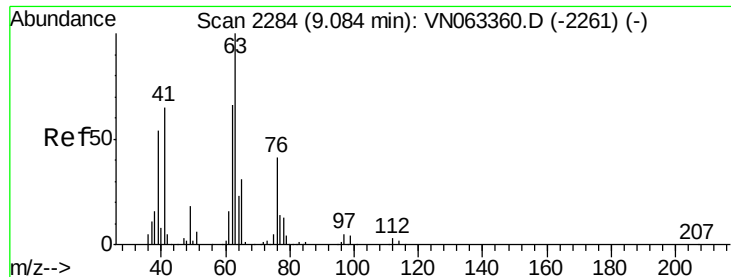
MMDadoda
9/29/2020 4:37:59 PM



#44
Trichloroethene
Concen: 19.515 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.5	0.0	217.4





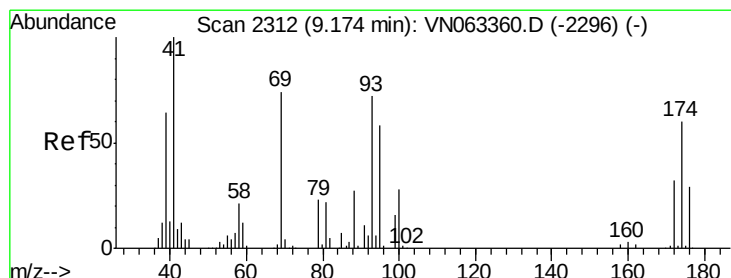
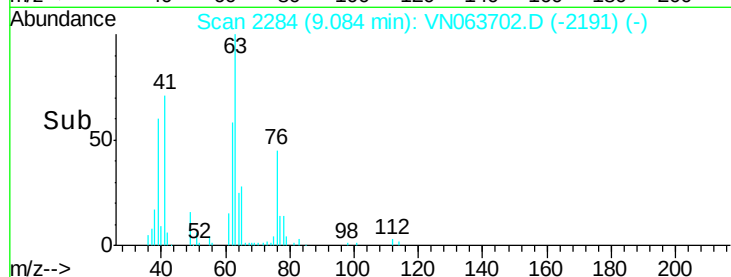
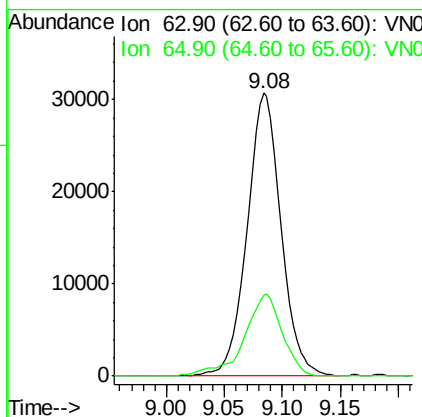
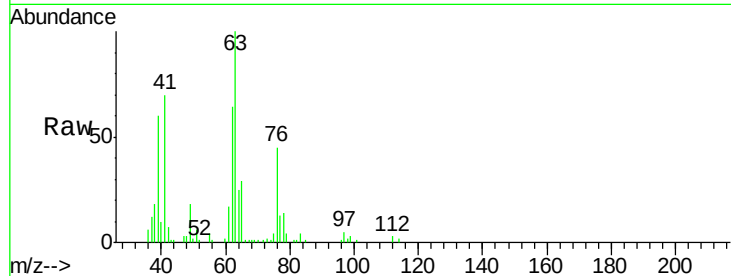
#45
 1,2-Dichloropropane
 Concen: 19.659 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Tot Ion: 63 Resp: 62698
 Ion Ratio Lower Upper
 63 100
 65 28.7 25.0 37.6

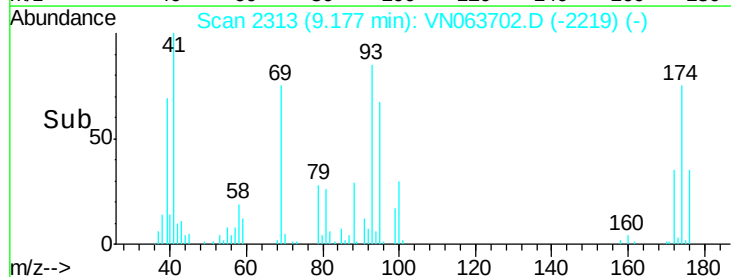
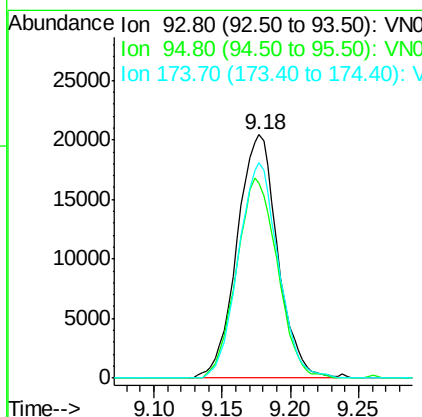
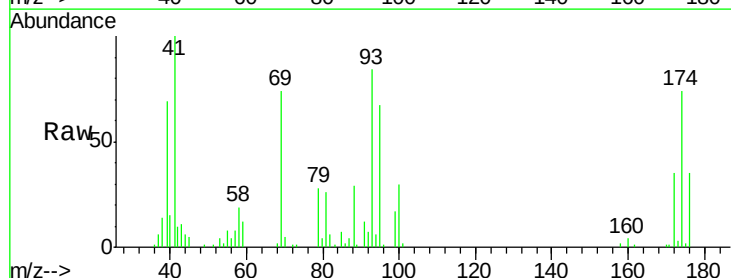
Manual Integrations
 APPROVED

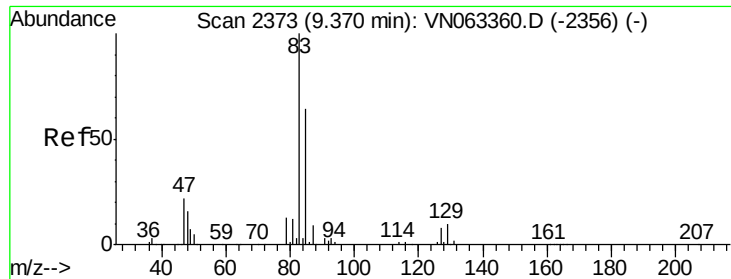
MMDadoda
 9/29/2020 4:37:59 PM



#46
 Dibromomethane
 Concen: 20.225 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Tgt Ion: 93 Resp: 42394
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.6 98.4
 174 86.5 68.1 102.1





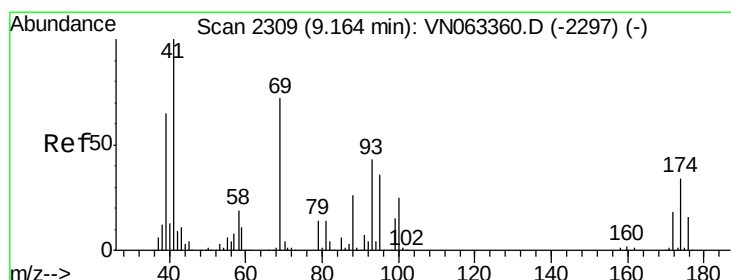
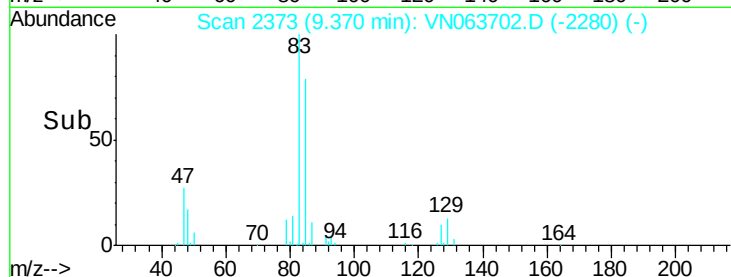
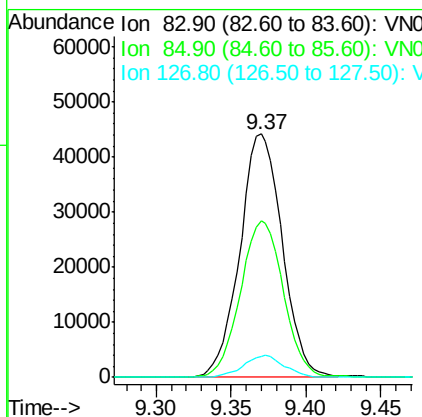
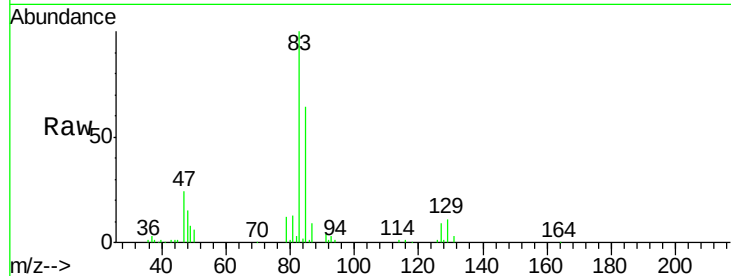
#47
 Bromodichloromethane
 Concen: 20.069 ug/l
 RT: 9.37 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Tot Ion	83	Resp	87396
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.0	76.6
127	8.5	6.3	9.5

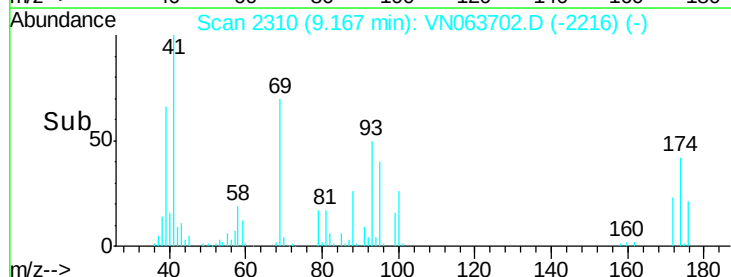
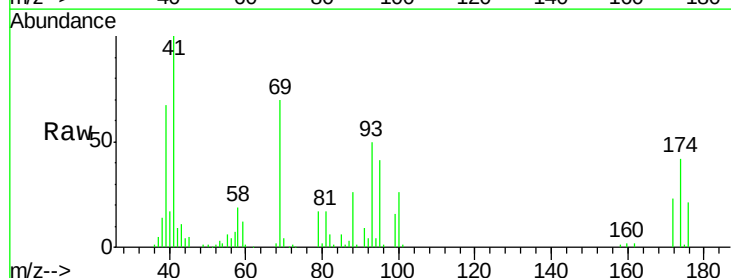
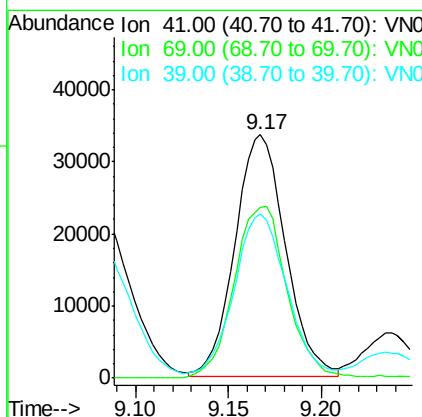
Manual Integrations
 APPROVED

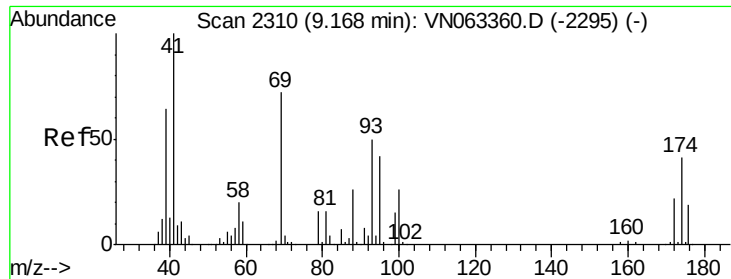
MMDadoda
 9/29/2020 4:37:59 PM



#48
 Methyl methacrylate
 Concen: 18.060 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Tgt Ion	41	Resp	63874
Ion Ratio	100	Lower	Upper
41	100		
69	74.0	59.3	88.9
39	69.9	52.9	79.3





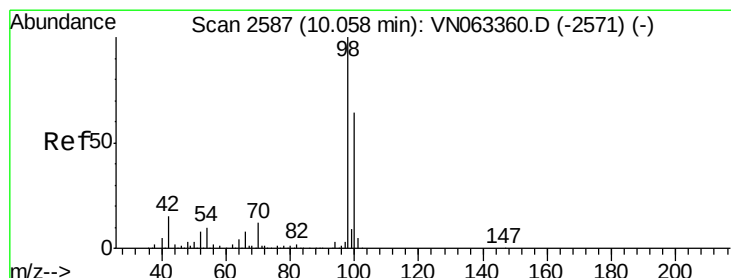
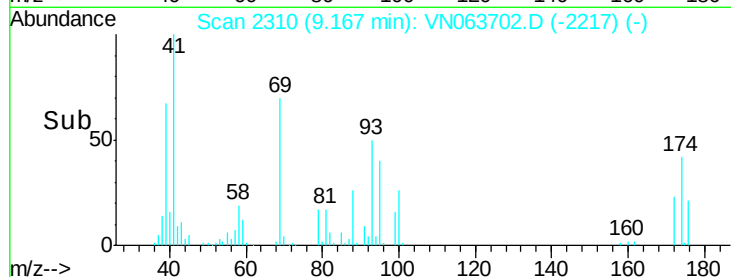
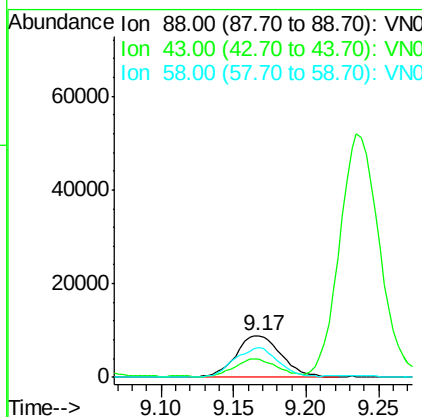
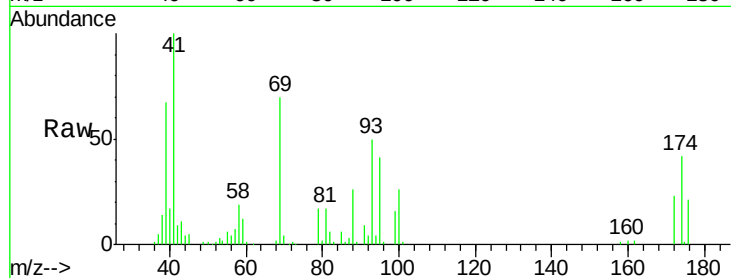
#49
1,4-Dioxane
Concen: 385.691 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	32.6	49.0
58	69.1	60.0	90.0

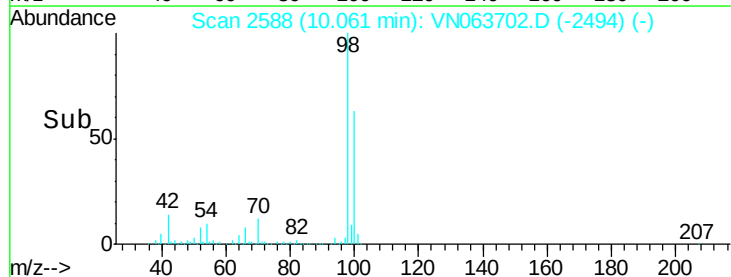
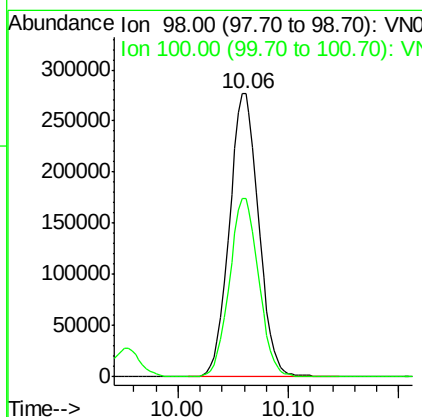
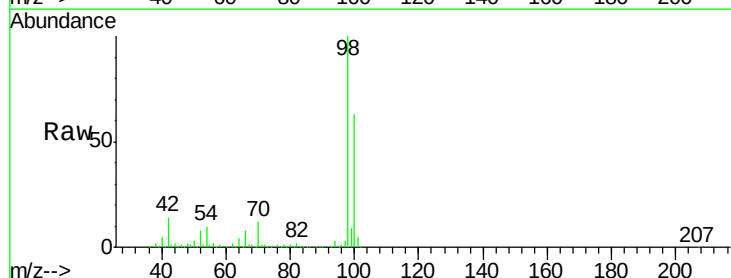
Manual Integrations
APPROVED

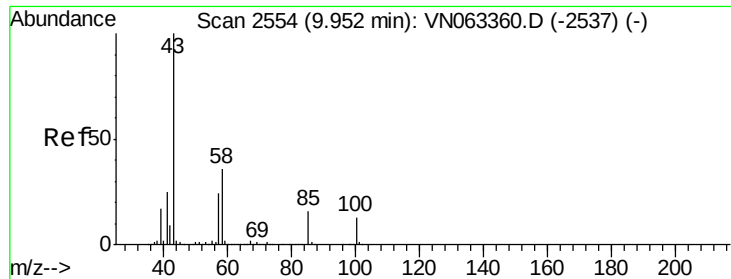
MMDadoda
9/29/2020 4:37:59 PM



#50
Toluene-d8
Concen: 50.848 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 99.138 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion: 43 Resp: 399543

Ion Ratio Lower Upper

43 100

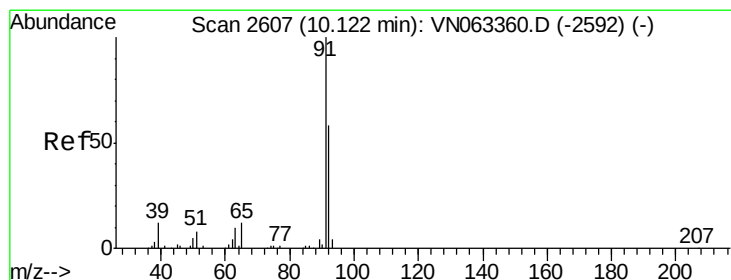
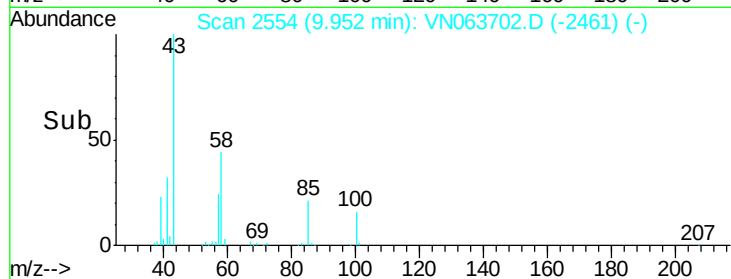
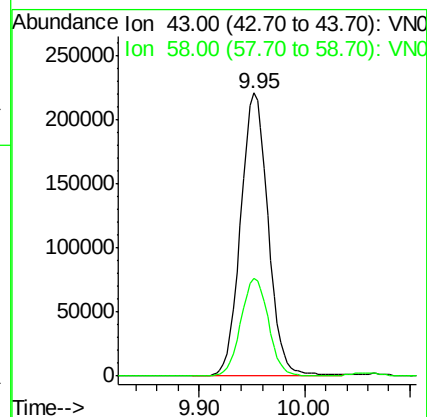
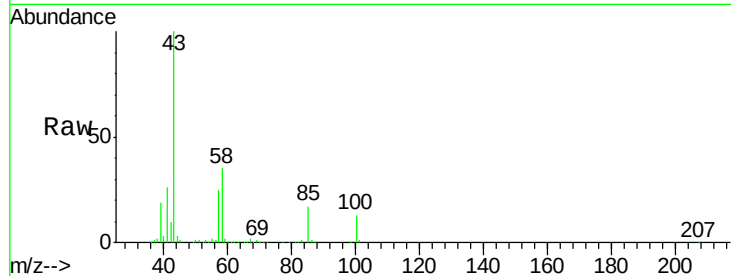
58 34.9 29.0 43.6

Manual Integrations

APPROVED

MMDadoda

9/29/2020 4:37:59 PM



#52

Toluene

Concen: 19.365 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063702.D

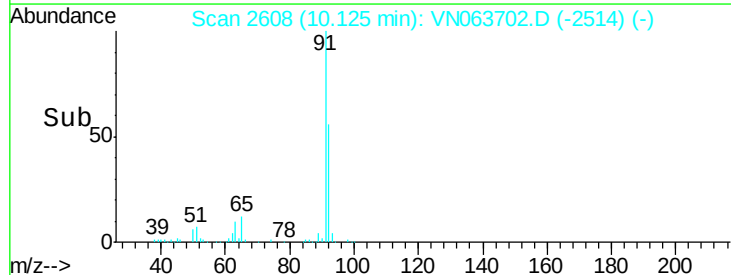
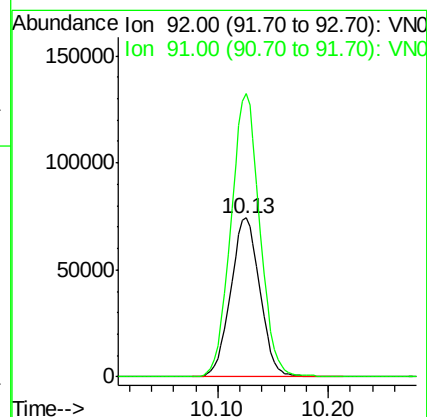
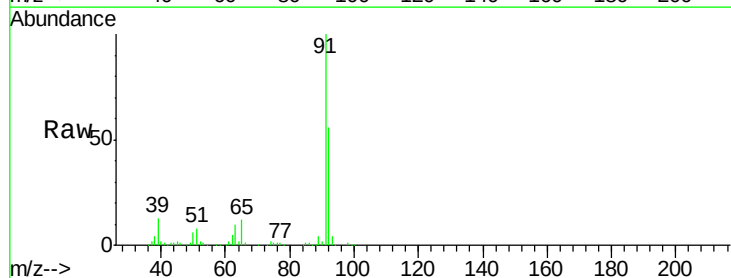
Acq: 28 Sep 2020 13:57

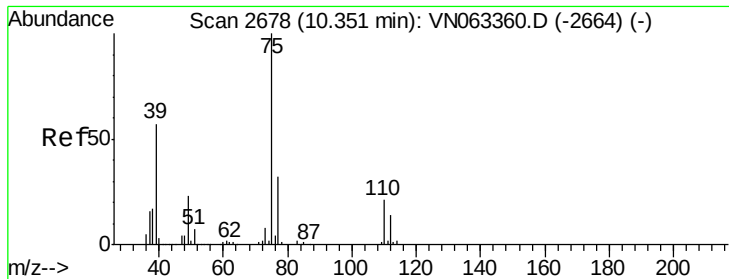
Tgt Ion: 92 Resp: 136333

Ion Ratio Lower Upper

92 100

91 175.3 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 18.676 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion: 75 Resp: 90795

Ion Ratio Lower Upper

75 100

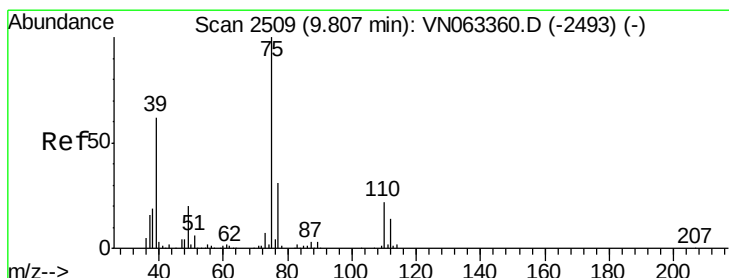
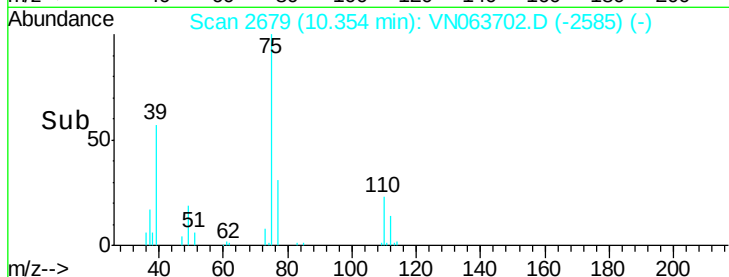
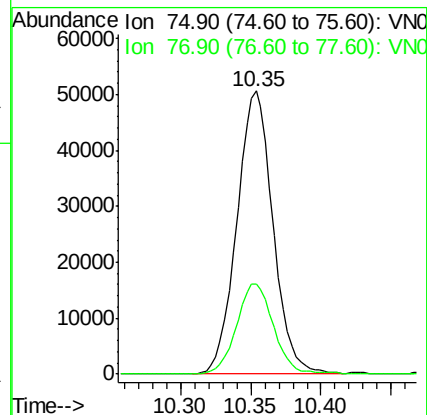
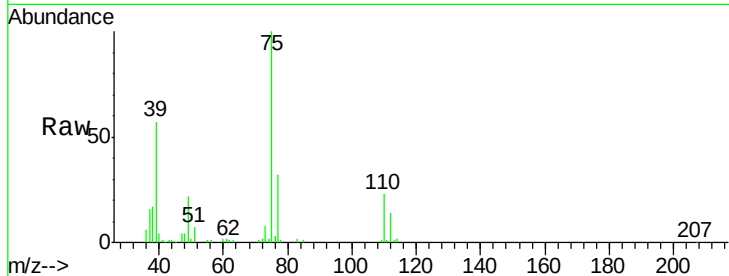
77 31.8 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

9/29/2020 4:37:59 PM



#54

cis-1,3-Dichloropropene

Concen: 18.969 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

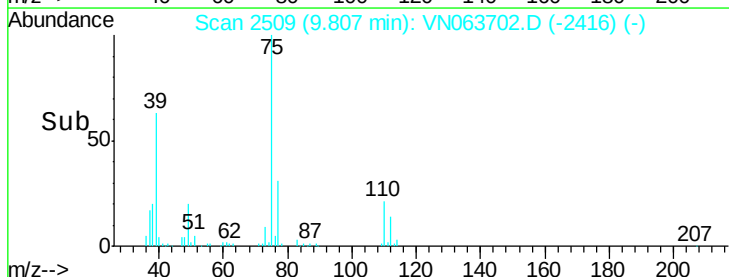
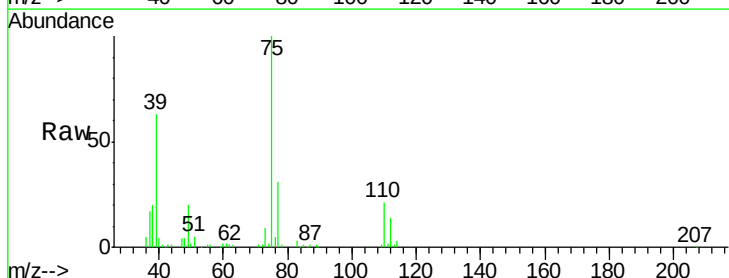
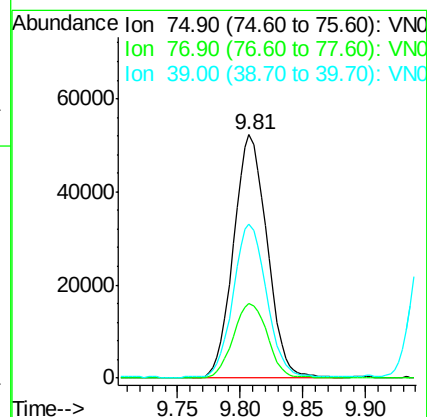
Tgt Ion: 75 Resp: 97270

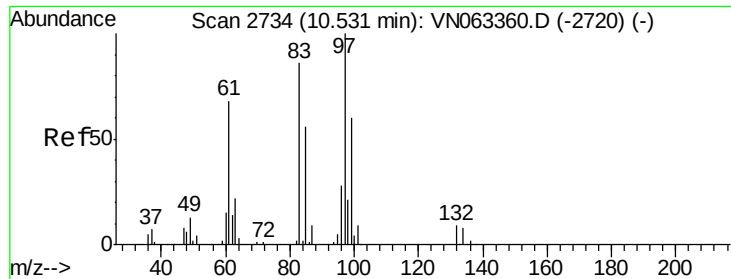
Ion Ratio Lower Upper

75 100

77 30.7 24.6 37.0

39 62.8 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 20.700 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

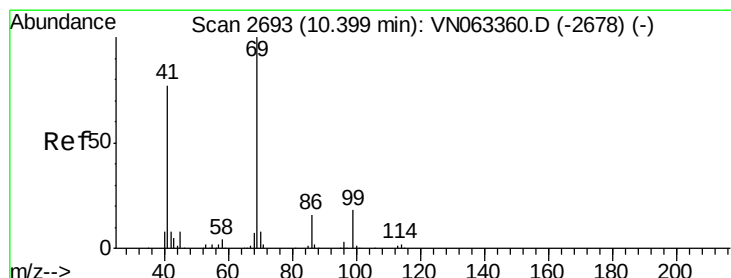
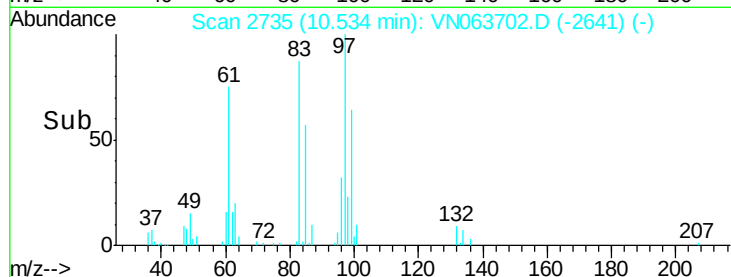
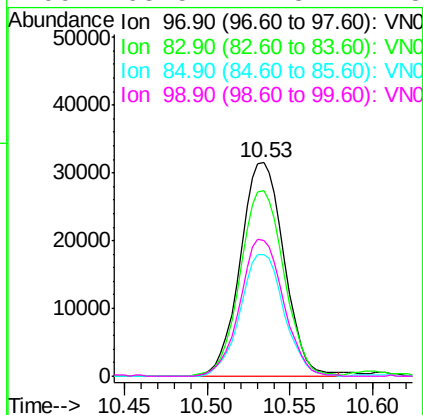
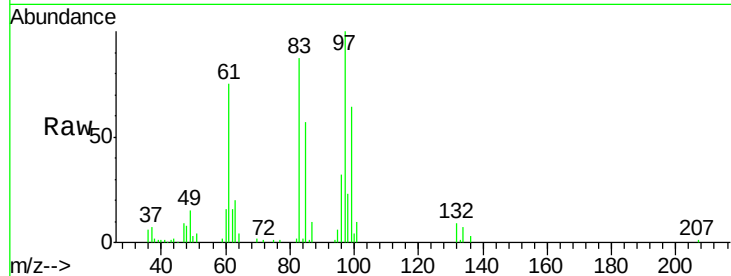
ClientSampleId :

VN0928WBSD01

Tot Ion:	97	Resp:	57887
Ion	Ratio	Lower	Upper
97	100		
83	86.7	68.9	103.3
85	57.2	44.8	67.2
99	63.5	47.8	71.8

Manual Integrations
APPROVED

MMDadoda
9/29/2020 4:37:59 PM



#56

Ethyl methacrylate

Concen: 18.045 ug/l

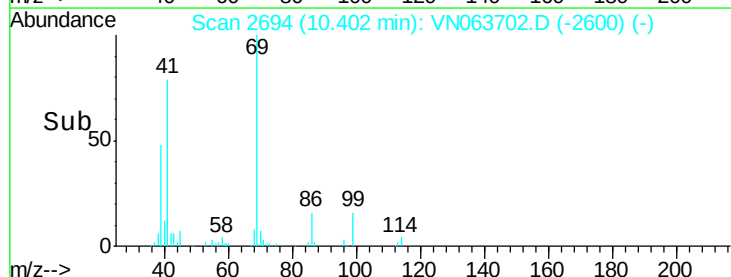
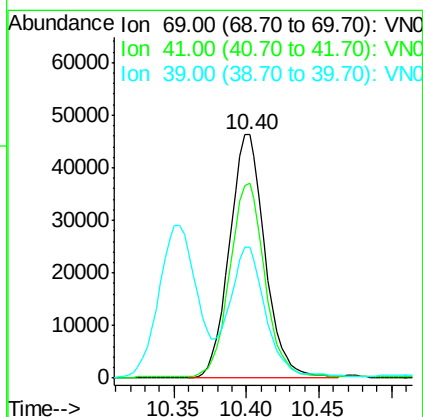
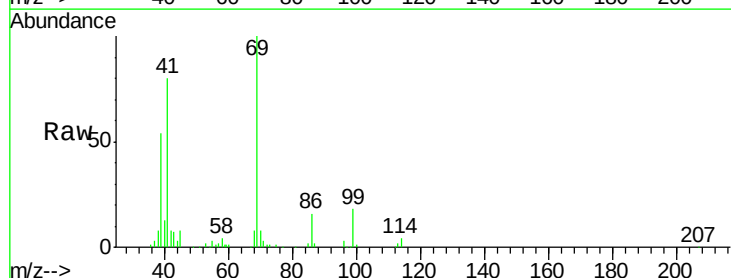
RT: 10.40 min Scan# 2694

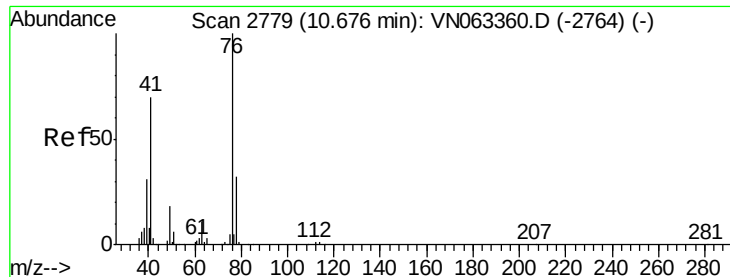
Delta R.T. 0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Tgt Ion:	69	Resp:	78778
Ion	Ratio	Lower	Upper
69	100		
41	77.8	61.0	91.6
39	52.0	39.2	58.8





#57

1,3-Dichloropropane

Concen: 19.563 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion: 76 Resp: 98657

Ion Ratio Lower Upper

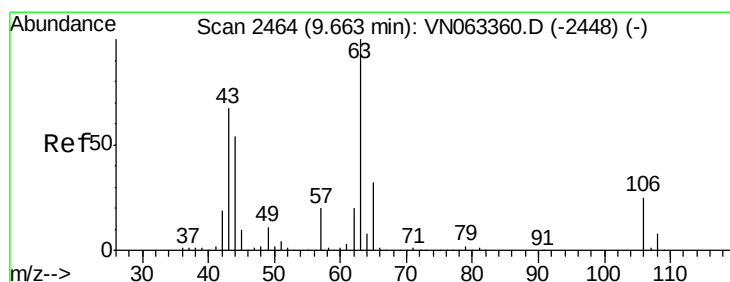
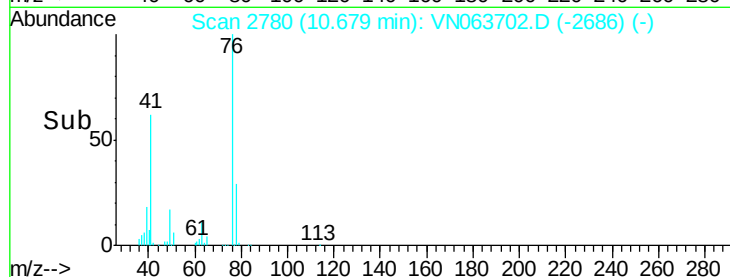
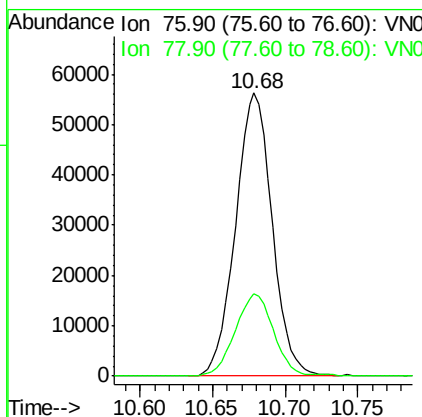
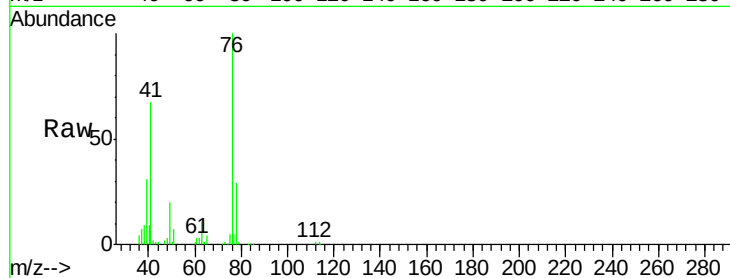
76 100

78 30.6 25.8 38.8

Manual Integrations
APPROVED

MMDadoda

9/29/2020 4:37:59 PM



#58

2-Chloroethyl Vinyl ether

Concen: 87.343 ug/l

RT: 9.67 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN063702.D

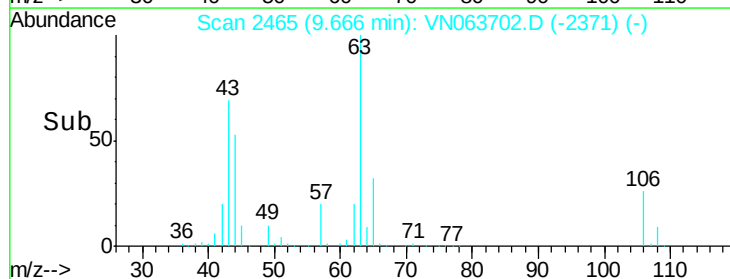
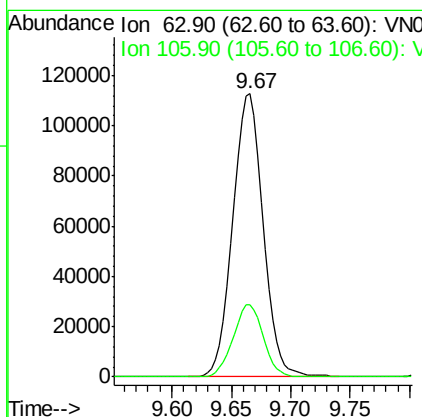
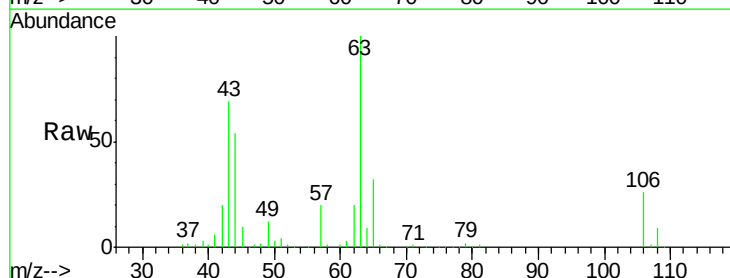
Acq: 28 Sep 2020 13:57

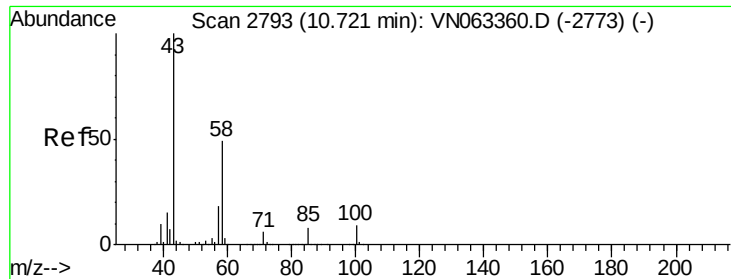
Tgt Ion: 63 Resp: 200024

Ion Ratio Lower Upper

63 100

106 25.3 19.5 29.3





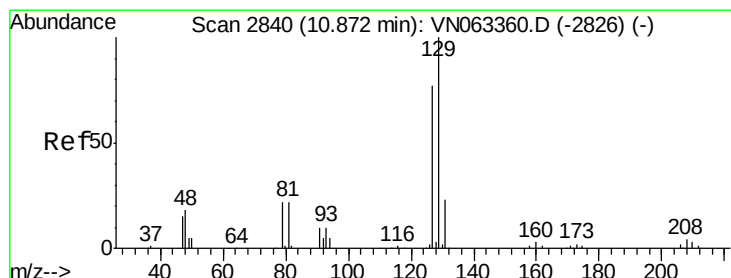
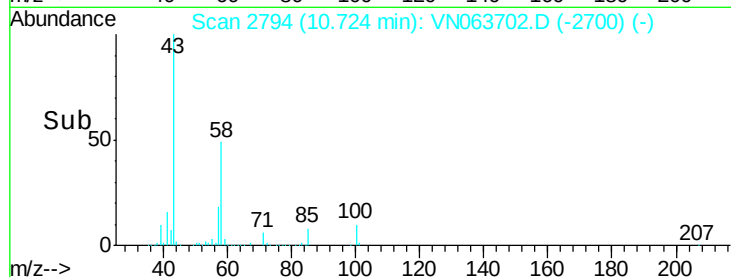
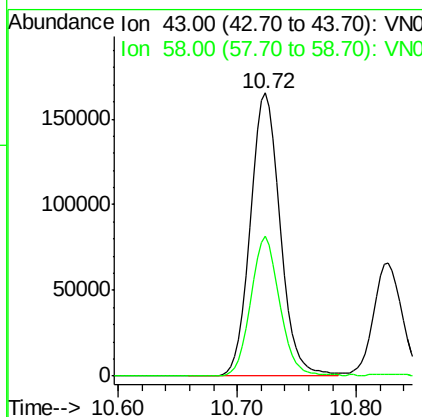
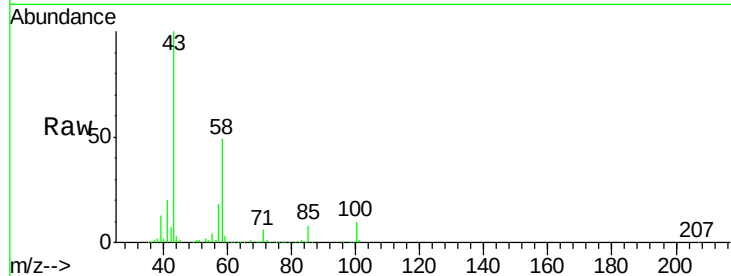
#59
2-Hexanone
Concen: 98.081 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion: 43 Resp: 286370
Ion Ratio Lower Upper
43 100
58 48.1 24.7 74.1

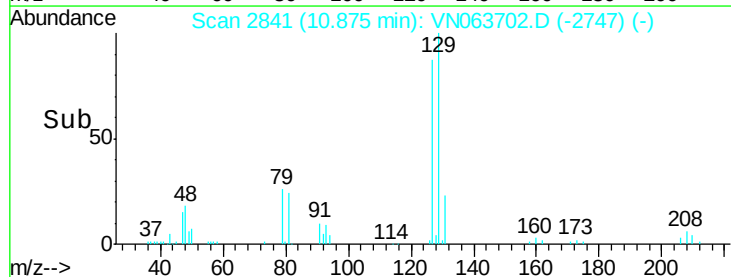
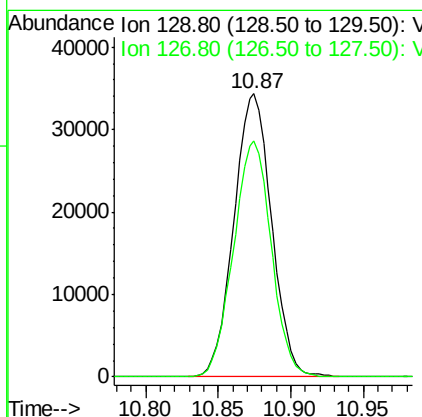
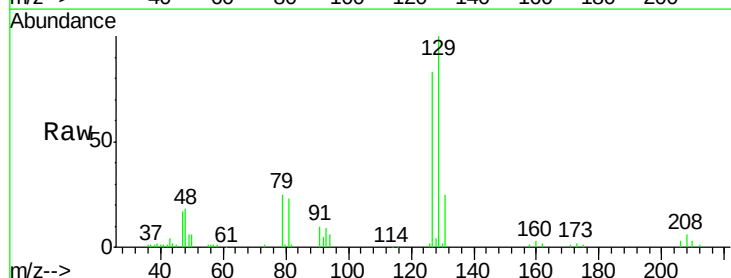
Manual Integrations
APPROVED

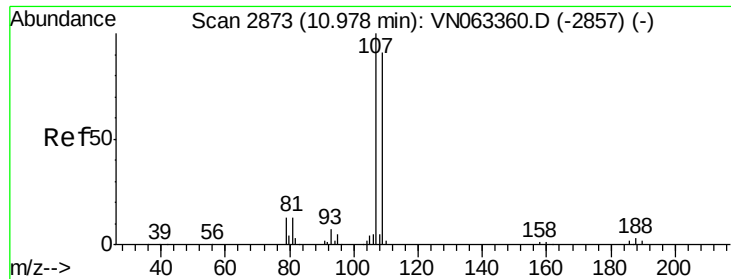
MMDadoda
9/29/2020 4:37:59 PM



#60
Dibromochloromethane
Concen: 19.643 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Tgt Ion: 129 Resp: 62057
Ion Ratio Lower Upper
129 100
127 83.2 39.1 117.3





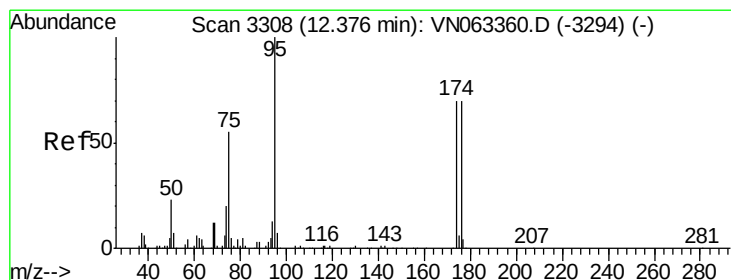
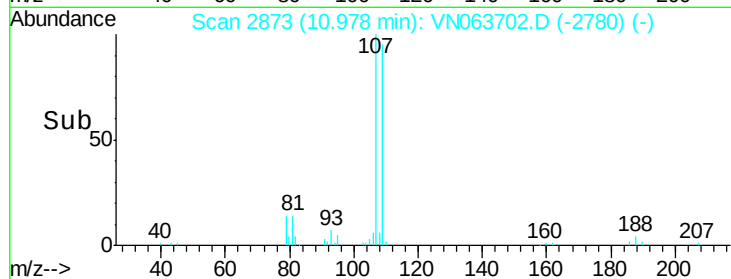
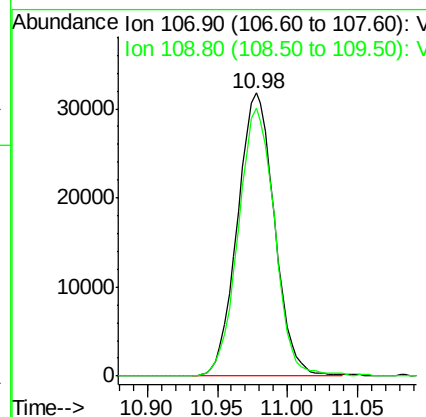
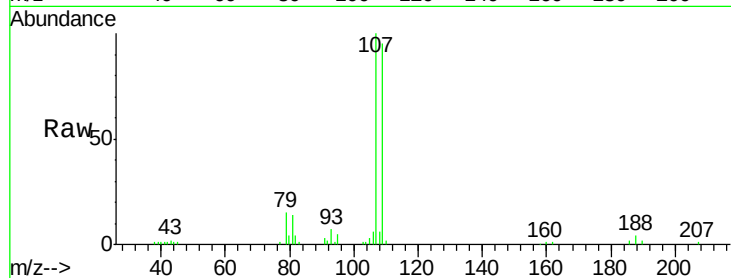
#61
 1,2-Dibromoethane
 Concen: 20.125 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.6	111.8

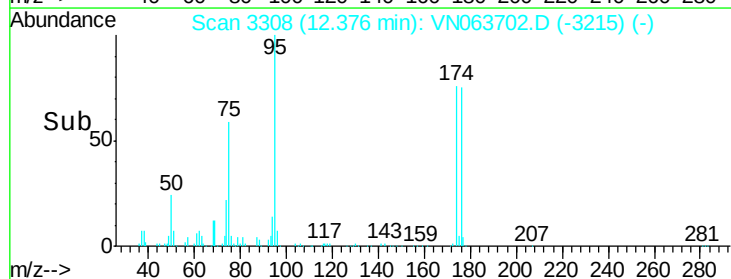
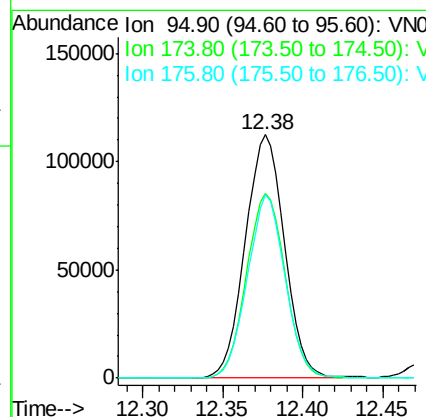
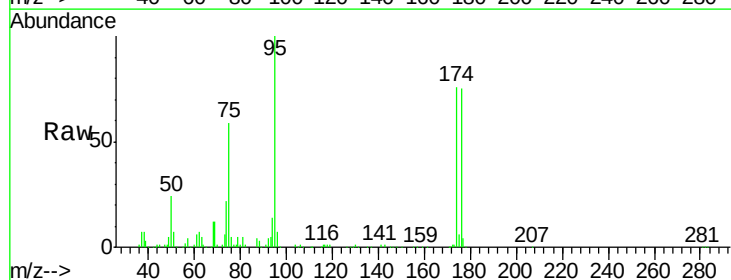
Manual Integrations
 APPROVED

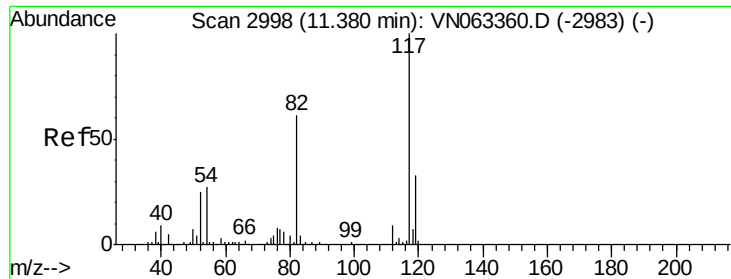
MMDadoda
 9/29/2020 4:37:59 PM



#62
 4-Bromofluorobenzene
 Concen: 51.257 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	140.8
176	72.9	0.0	137.6





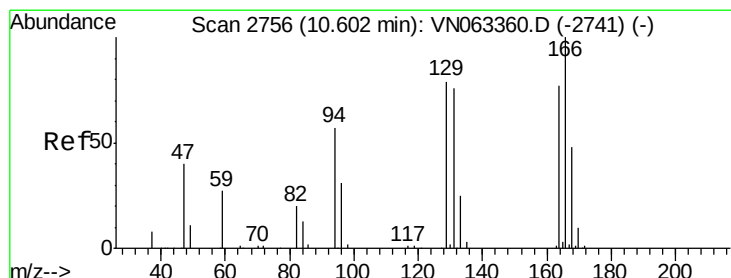
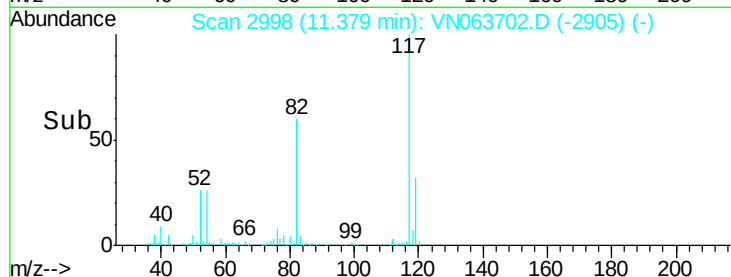
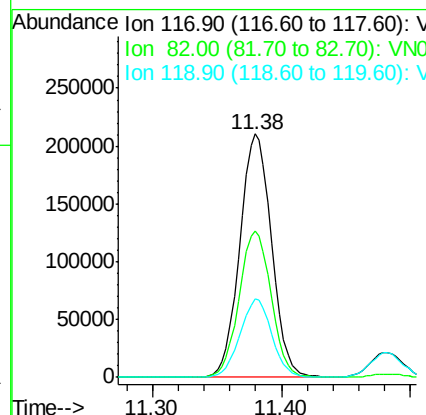
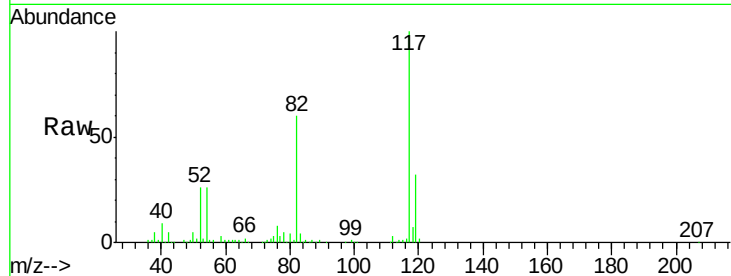
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	49.2	73.8
119	32.3	26.2	39.4

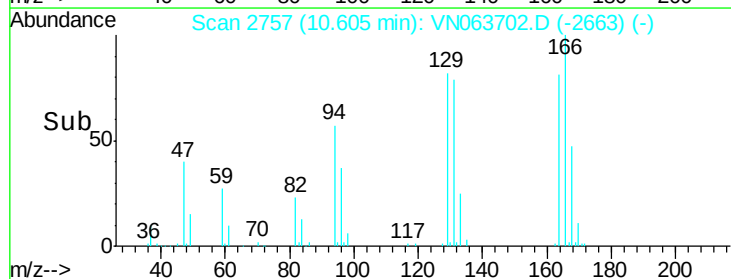
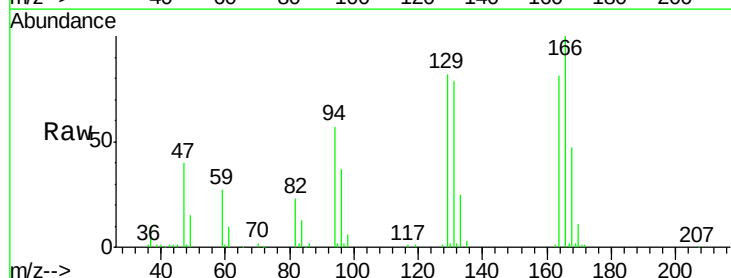
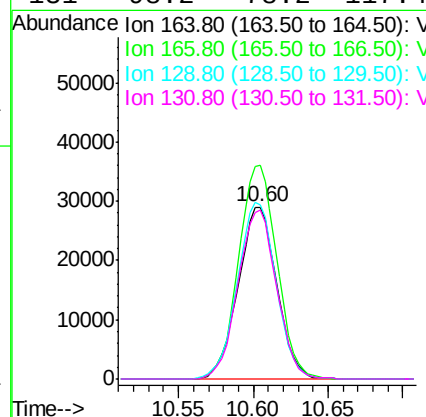
Manual Integrations
APPROVED

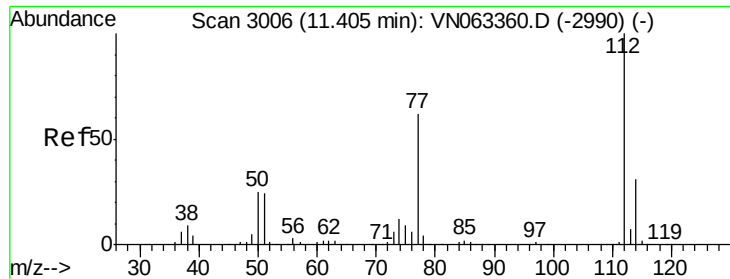
MMDadoda
9/29/2020 4:37:59 PM



#64
Tetrachloroethene
Concen: 21.176 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	103.4	155.0
129	101.5	81.8	122.6
131	98.2	78.2	117.4





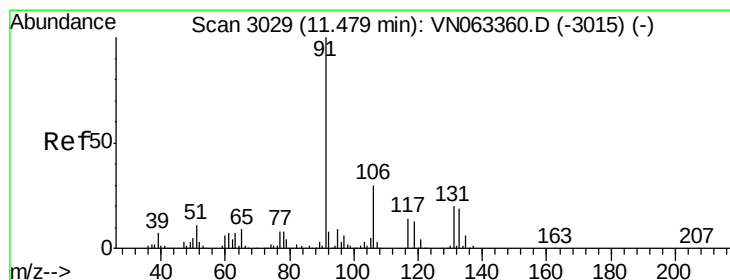
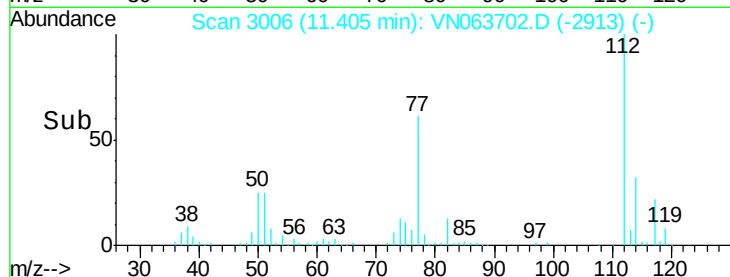
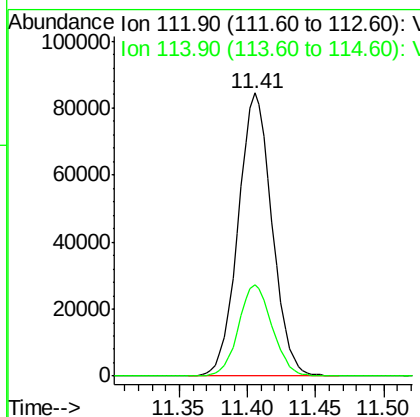
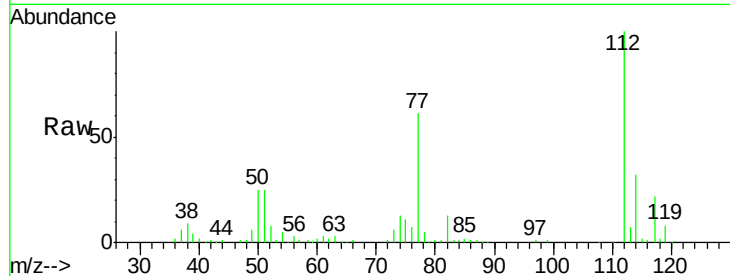
#65
Chlorobenzene
Concen: 18.992 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion:112 Resp: 145509
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.6

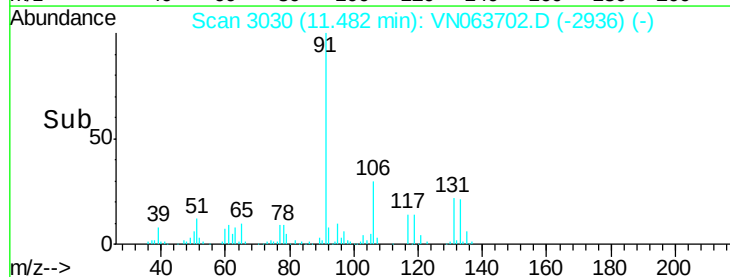
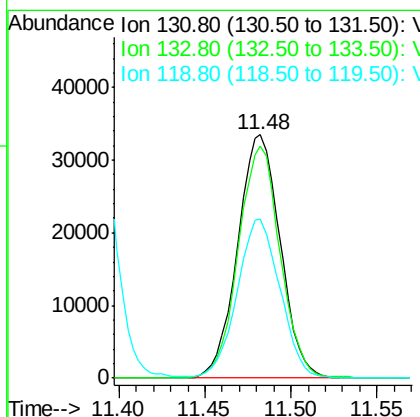
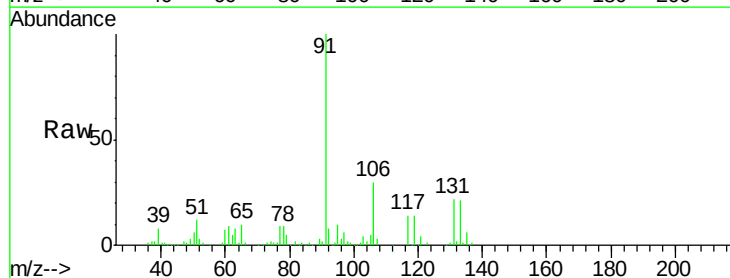
Manual Integrations
APPROVED

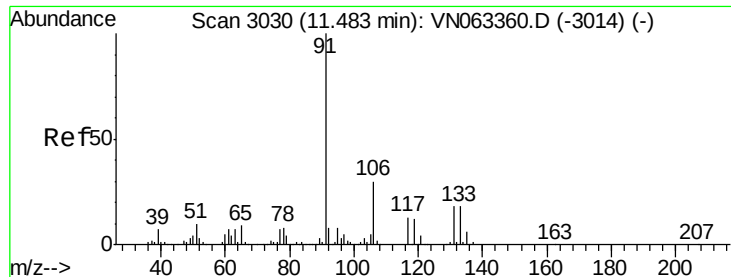
MMDadoda
9/29/2020 4:37:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.497 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Tgt Ion:131 Resp: 57567
Ion Ratio Lower Upper
131 100
133 93.5 47.3 141.9
119 66.1 33.6 100.8





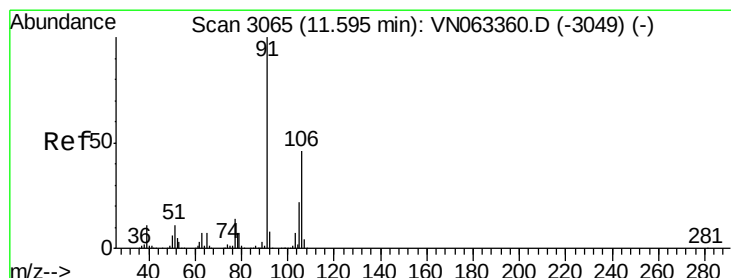
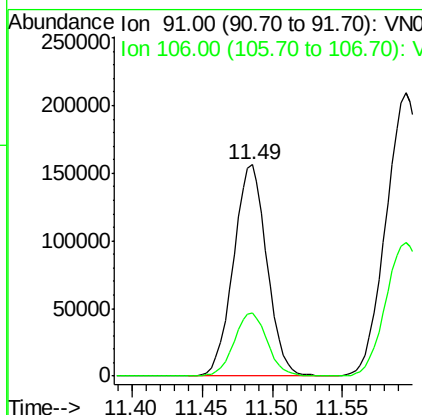
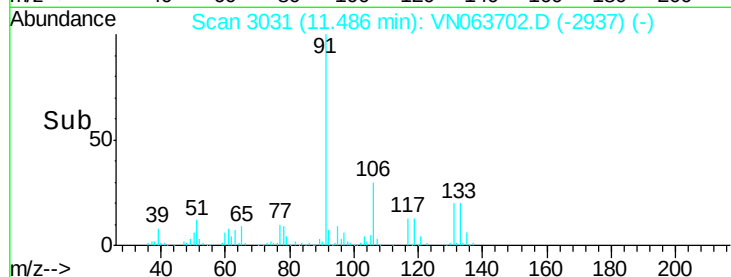
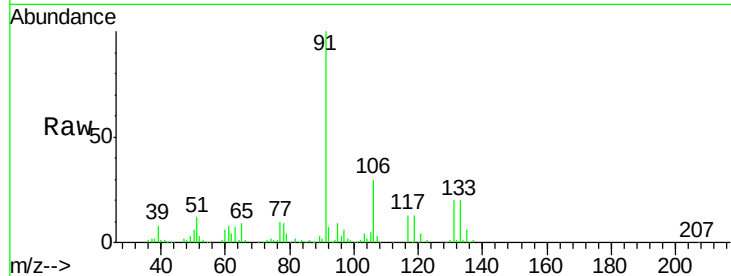
#67
Ethyl Benzene
Concen: 17.983 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion: 91 Resp: 259470
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6

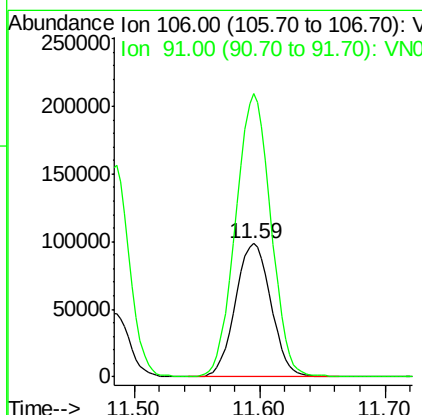
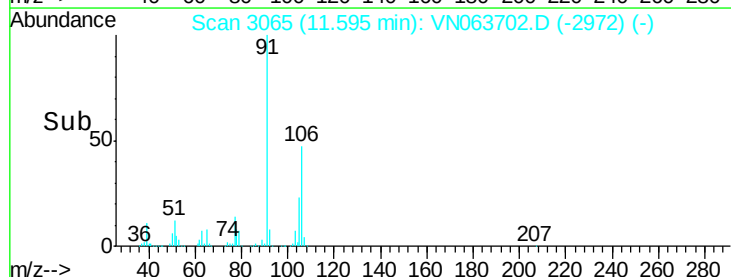
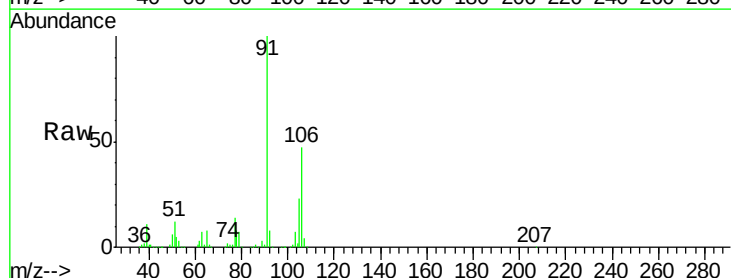
Manual Integrations
APPROVED

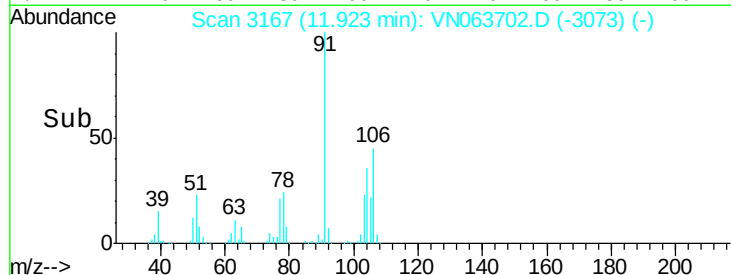
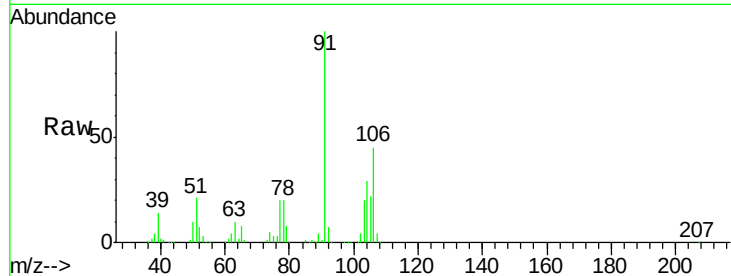
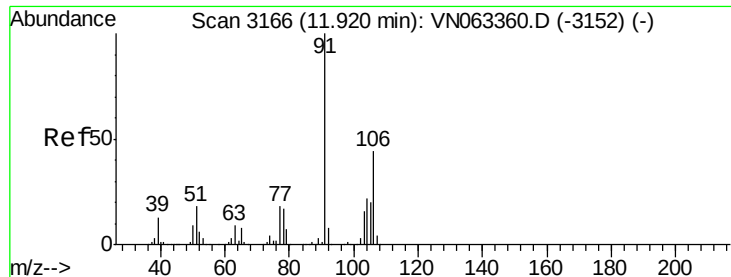
MMDadoda
9/29/2020 4:37:59 PM



#68
m/p-Xylenes
Concen: 37.322 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Tgt Ion: 106 Resp: 194156
Ion Ratio Lower Upper
106 100
91 209.2 171.2 256.8





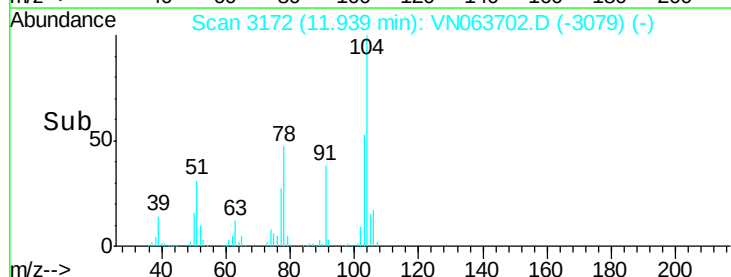
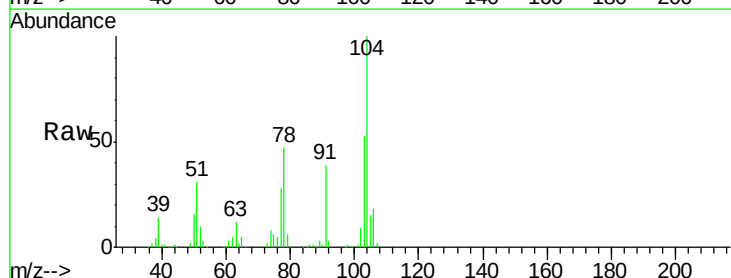
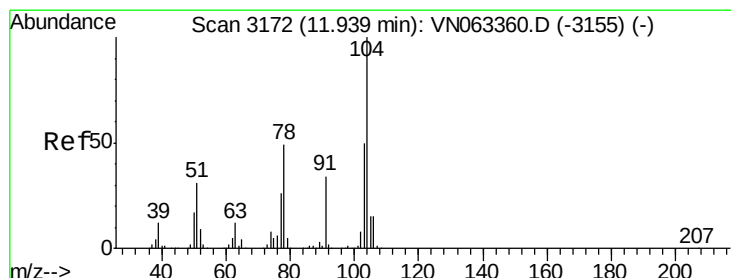
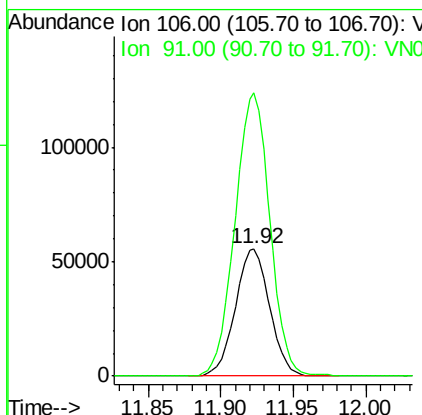
#69
o-Xylene
Concen: 18.432 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		91342		
91	226.8	113.6	340.8		

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

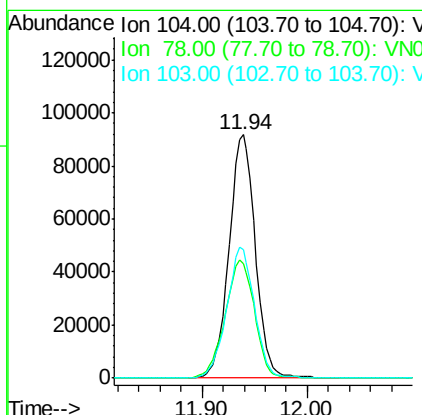
Manual Integrations
APPROVED

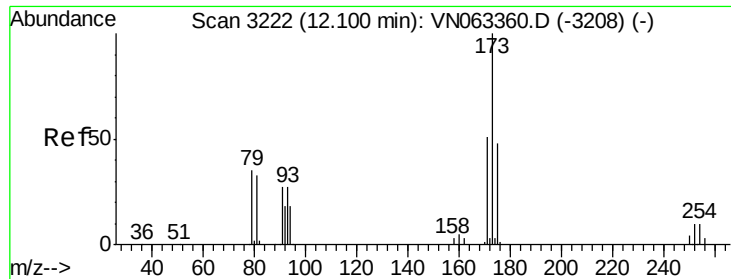
MMDadoda
9/29/2020 4:37:59 PM



#70
Styrene
Concen: 19.028 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		158131		
78	54.5	44.4	66.6		
103	57.0	43.7	65.5		





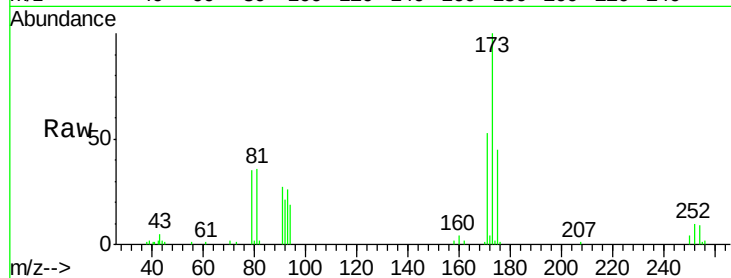
#71
Bromoform
Concen: 19.545 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

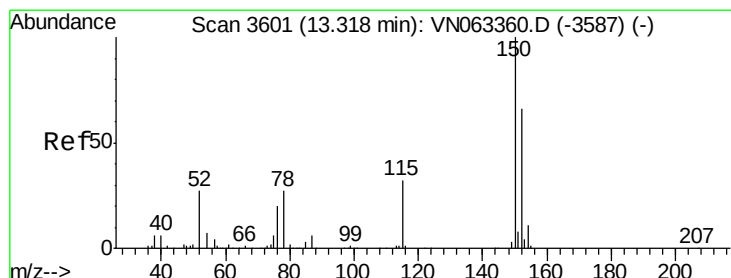
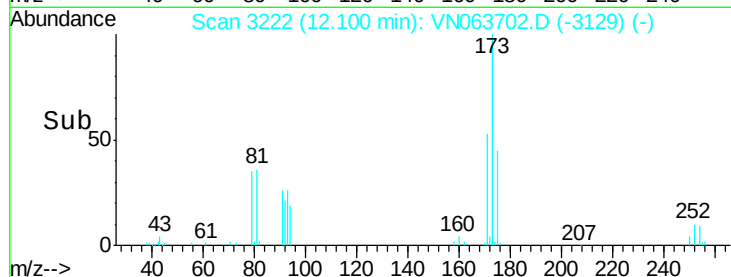
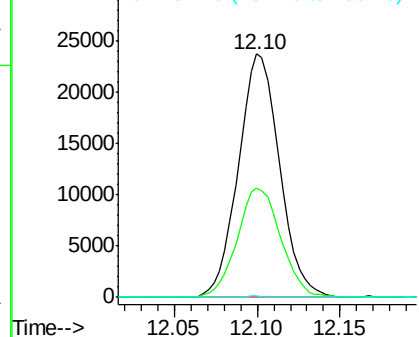
Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100		40893		
175	47.4	24.0	72.0		
254	0.2	0.0	0.0		

Manual Integrations
APPROVED

MMDadoda
9/29/2020 4:37:59 PM

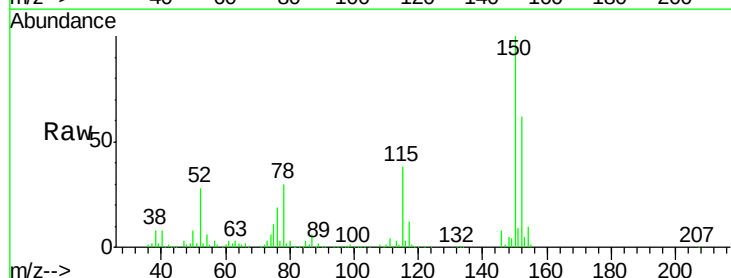


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

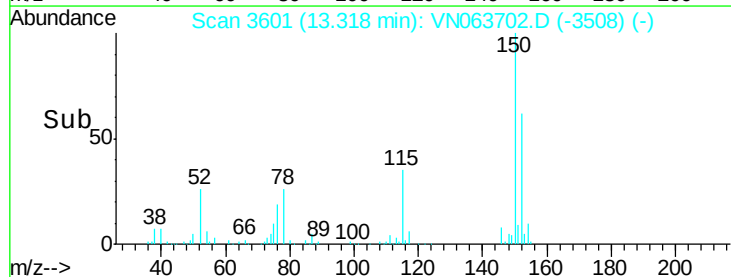
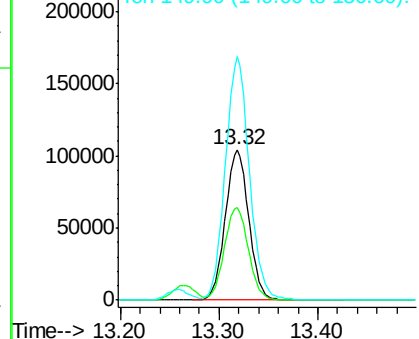


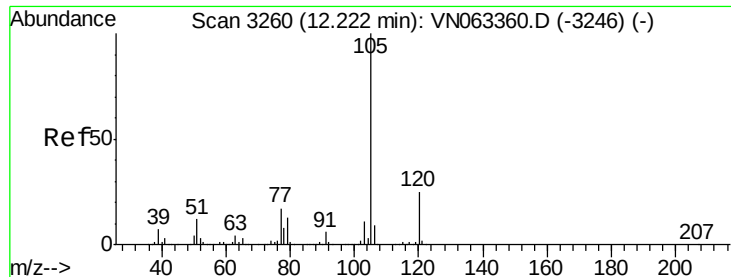
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		174485		
115	62.5	32.2	96.6		
150	164.6	0.0	343.4		



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





#73

Isopropylbenzene

Concen: 17.820 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion: 105 Resp: 249164

Ion Ratio Lower Upper

105 100

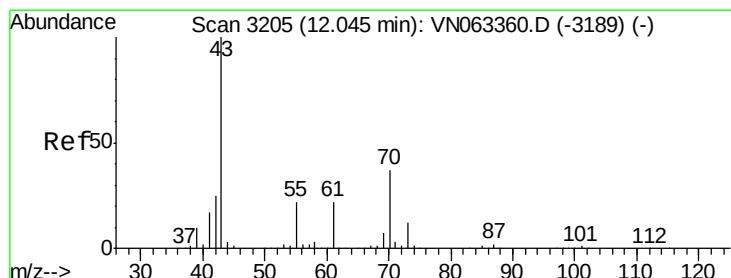
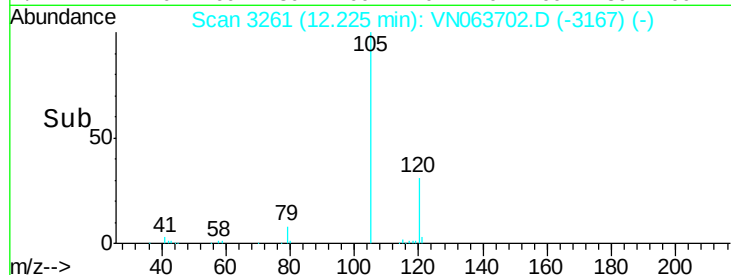
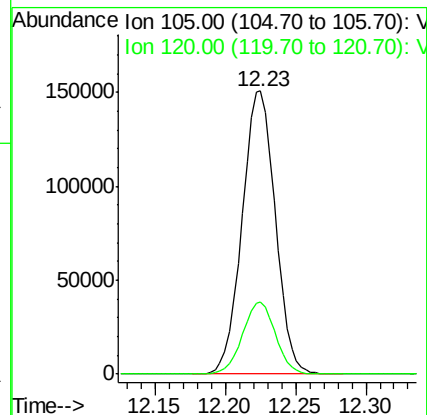
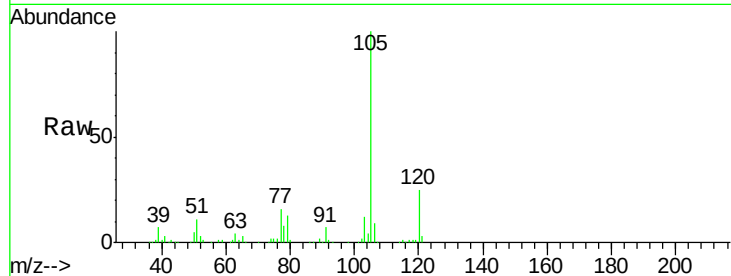
120 25.3 12.7 38.0

Manual Integrations

APPROVED

MMDadoda

9/29/2020 4:37:59 PM



#74

N-ethyl acetate

Concen: 16.624 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Tgt Ion: 43 Resp: 110032

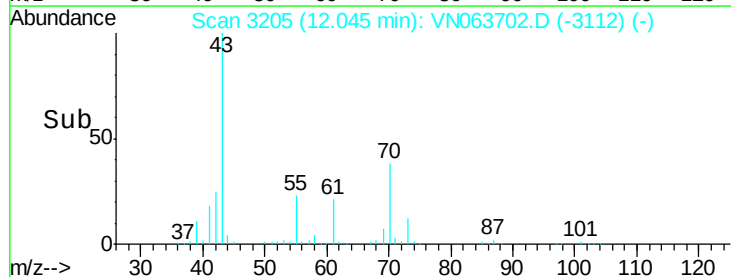
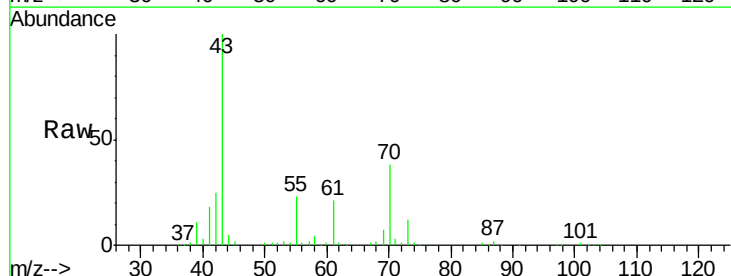
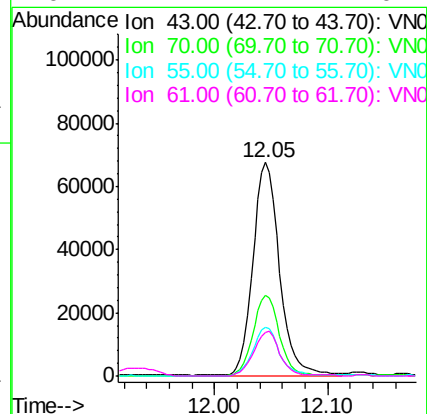
Ion Ratio Lower Upper

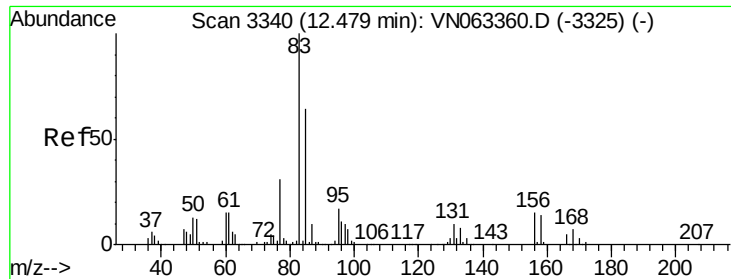
43 100

70 38.1 29.6 44.4

55 22.9 17.7 26.5

61 21.2 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.094 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

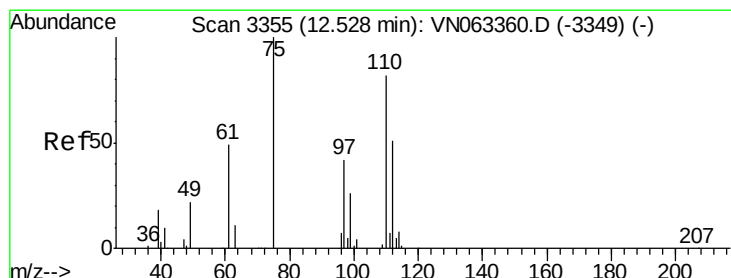
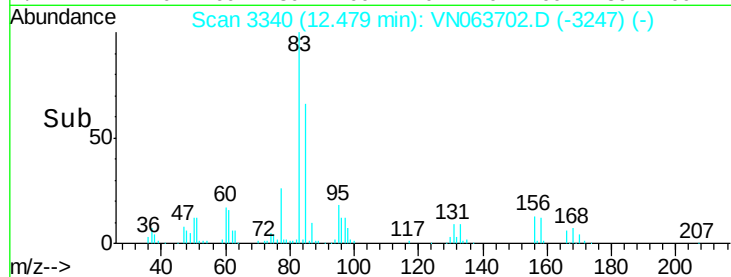
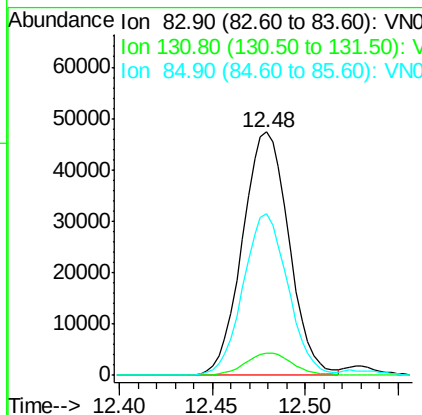
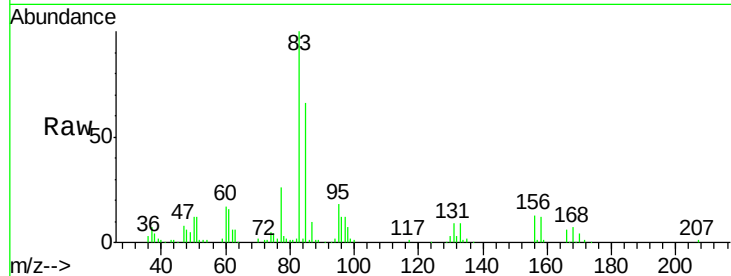
ClientSampleId :

VN0928WBSD01

Tot Ion:	83	Resp:	82665
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.9	14.7
85	63.7	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
9/29/2020 4:37:59 PM



#76

1,2,3-Trichloropropane

Concen: 17.930 ug/l m

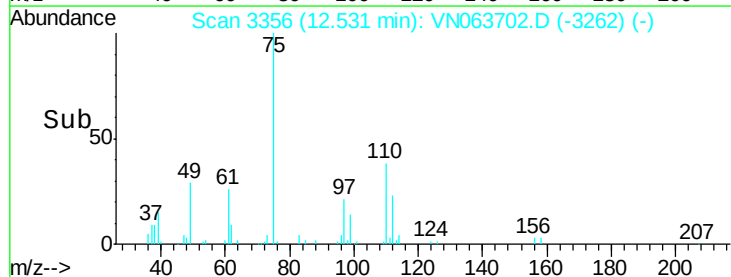
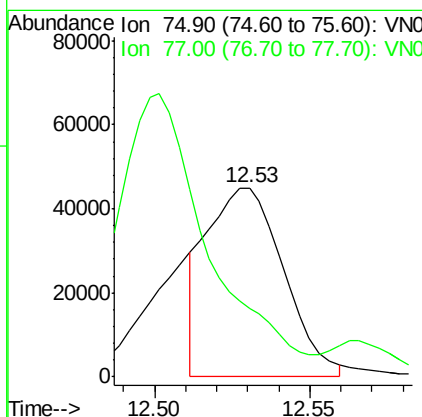
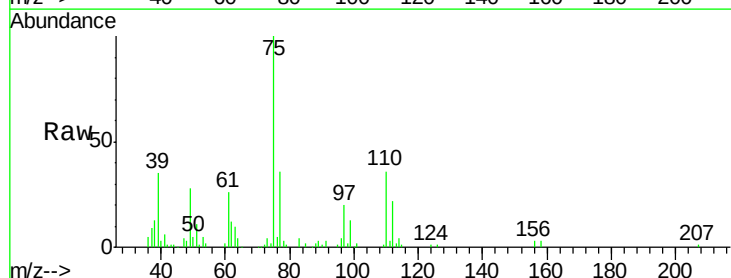
RT: 12.53 min Scan# 3356

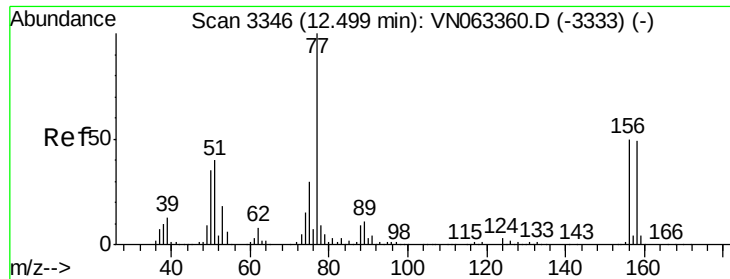
Delta R.T. 0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Tgt Ion:	75	Resp:	77436
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.498 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion:156 Resp: 61324

Ion Ratio Lower Upper

156 100

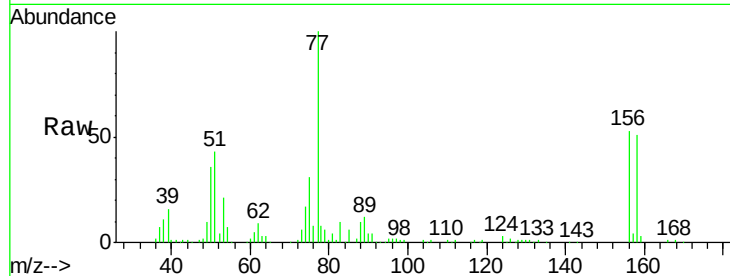
77 227.5 120.2 360.6

158 96.9 48.9 146.6

Manual Integrations
APPROVED

MMDadoda

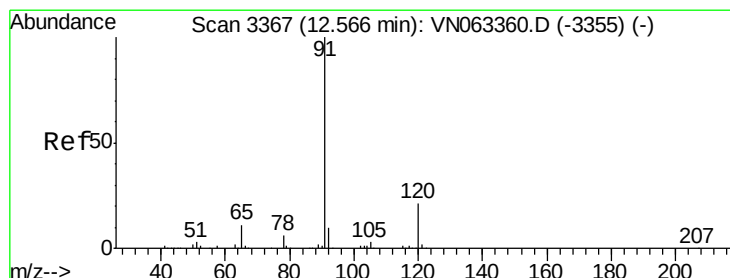
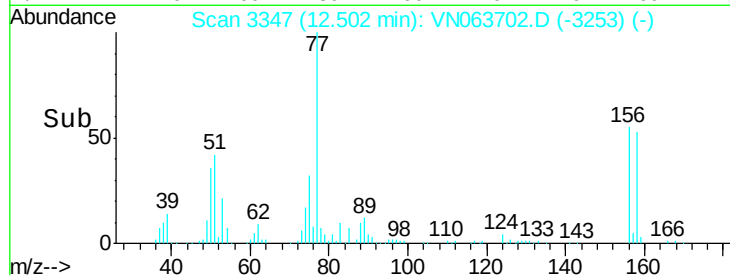
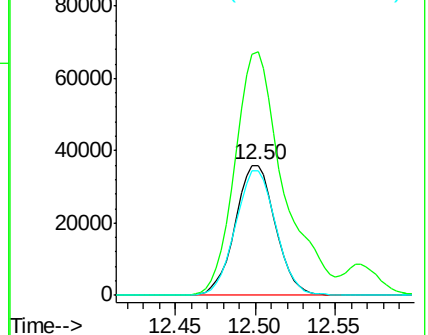
9/29/2020 4:37:59 PM



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: 17.371 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063702.D

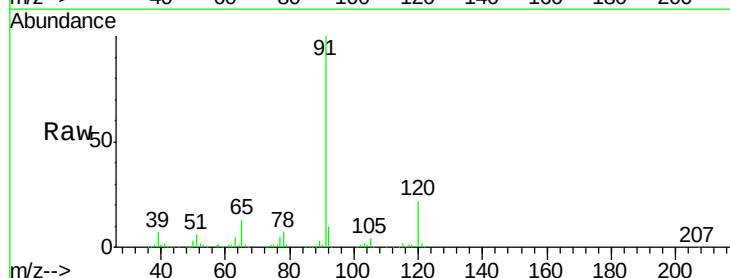
Acq: 28 Sep 2020 13:57

Tgt Ion: 91 Resp: 282893

Ion Ratio Lower Upper

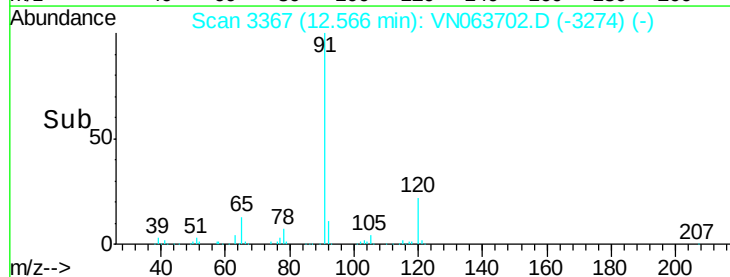
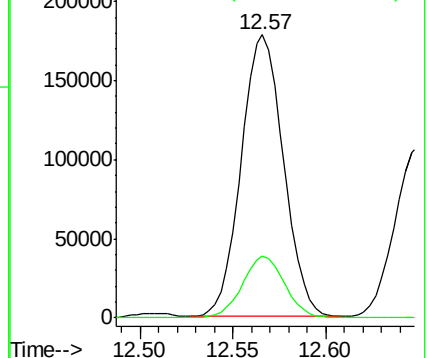
91 100

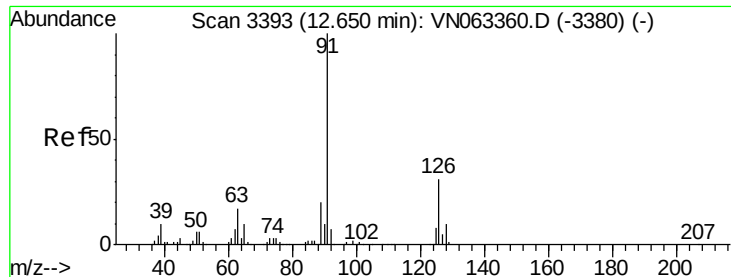
120 21.9 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.057 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBSD01

Tot Ion: 91 Resp: 176281

Ion Ratio Lower Upper

91 100

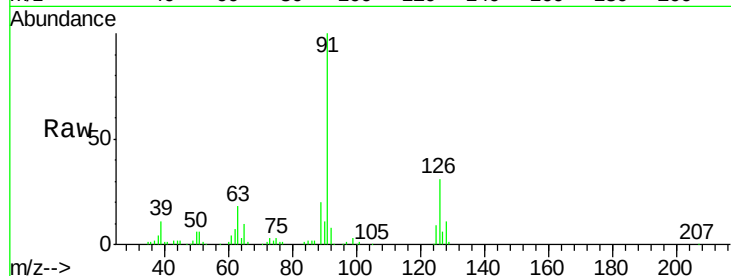
126 30.6 15.8 47.3

Manual Integrations

APPROVED

MMDadoda

9/29/2020 4:37:59 PM



Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063360.D (-3380) (-)

200000

150000

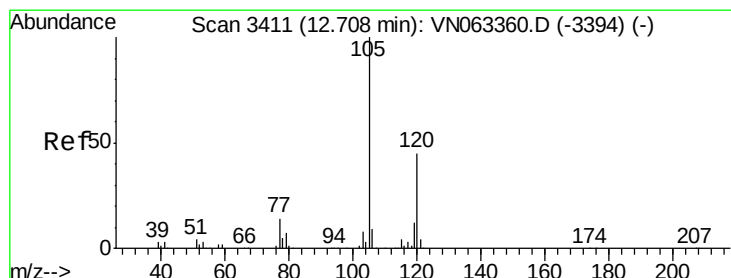
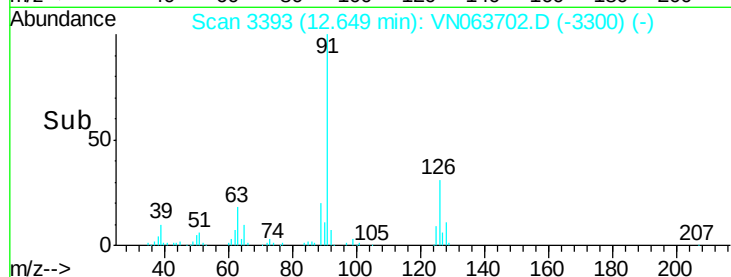
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.233 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN063702.D

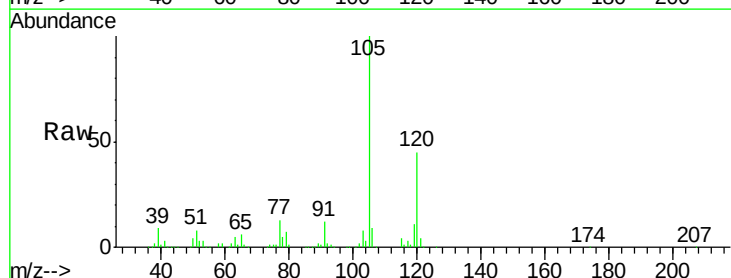
Acq: 28 Sep 2020 13:57

Tgt Ion: 105 Resp: 212580

Ion Ratio Lower Upper

105 100

120 45.5 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3394) (-)

150000

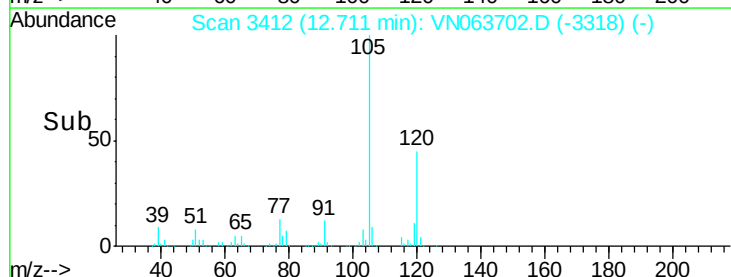
100000

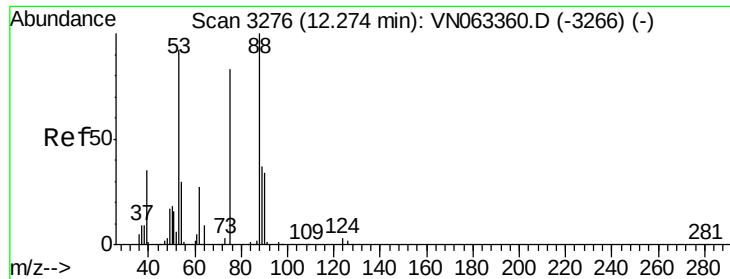
50000

0

12.70 12.71 12.72

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.597 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

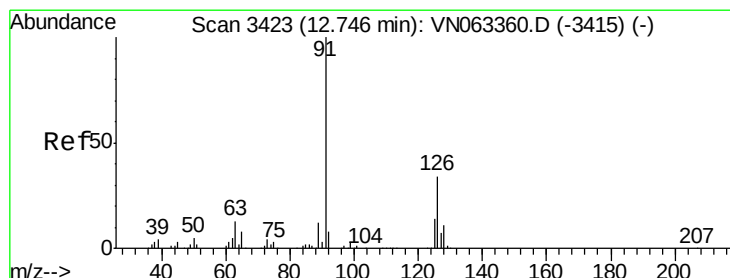
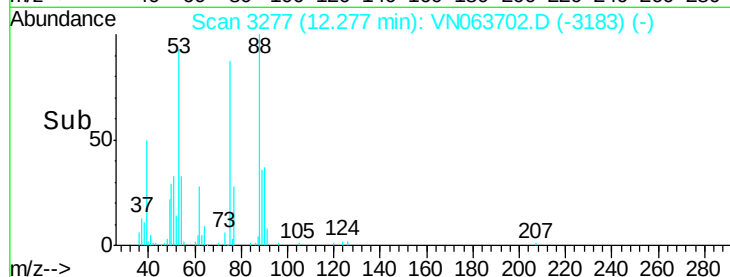
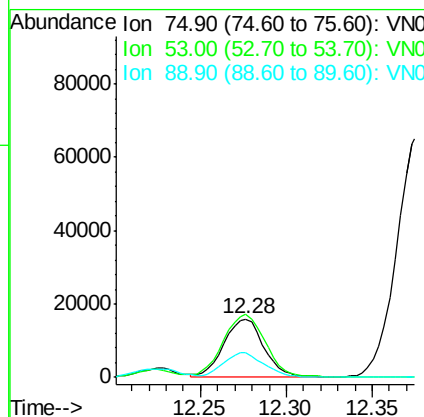
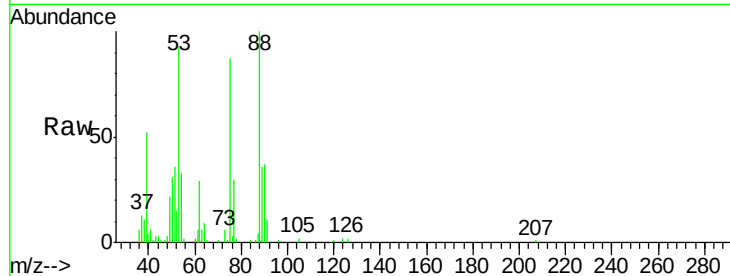
ClientSampleId :

VN0928WBSD01

Tot Ion:	75	Resp:	26144
Ion	Ratio	Lower	Upper
75	100		
53	111.0	85.7	128.5
89	42.1	38.0	57.0

Manual Integrations
APPROVED

MMDadoda
9/29/2020 4:37:59 PM



#82

4-Chlorotoluene

Concen: 18.187 ug/l

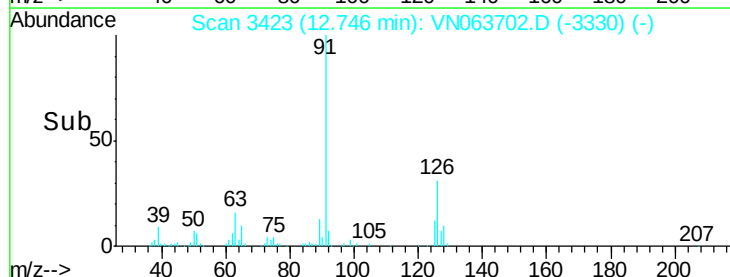
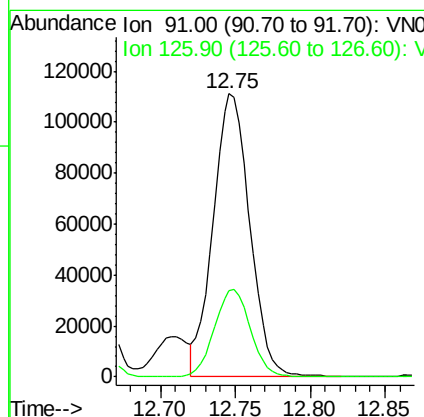
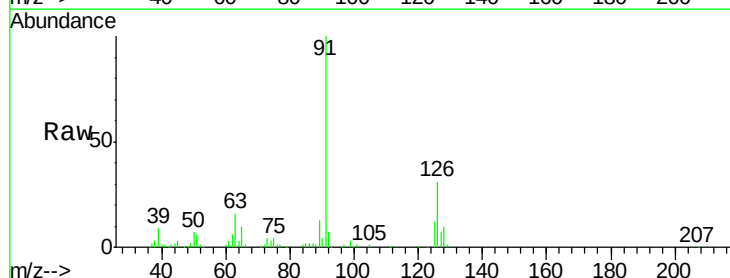
RT: 12.75 min Scan# 3423

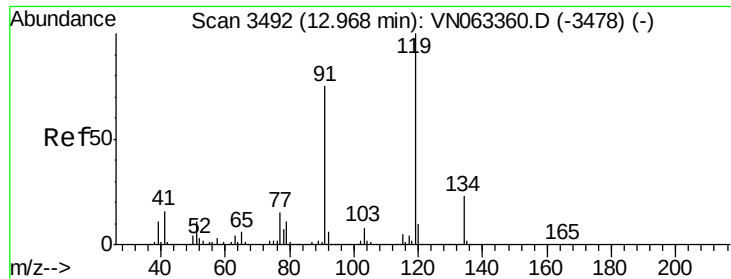
Delta R.T. -0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Tgt Ion:	91	Resp:	187594
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.5	46.5





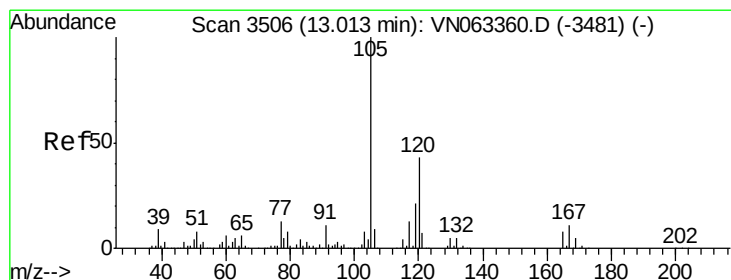
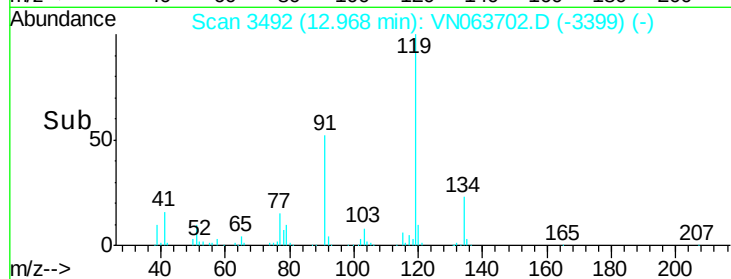
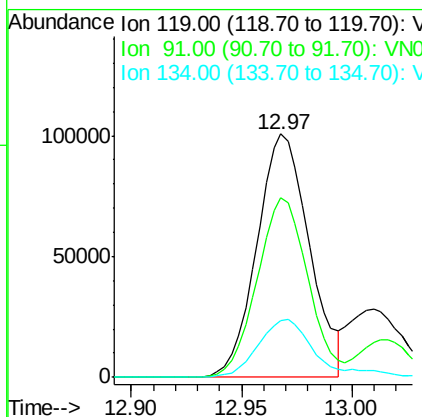
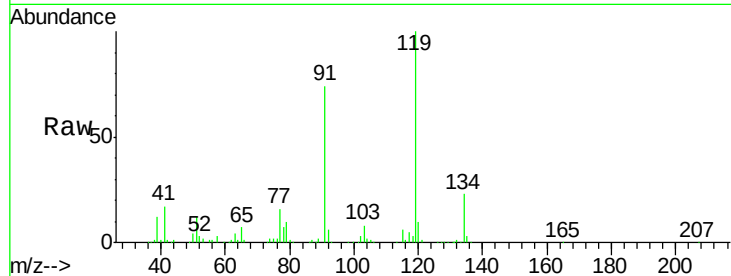
#83
 tert-Butylbenzene
 Concen: 17.270 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	166192		
91	71.8	36.3	108.9	
134	25.9	12.3	36.8	

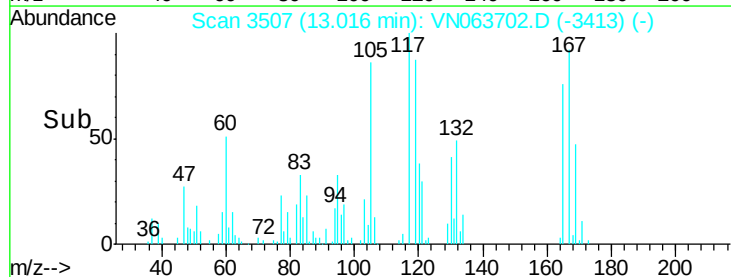
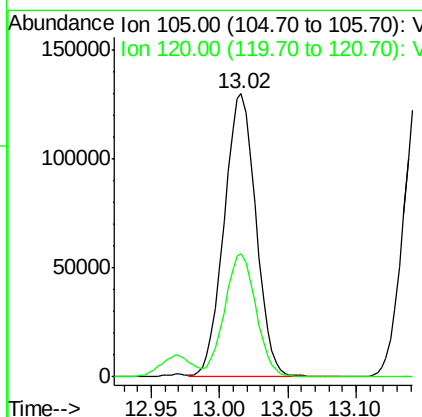
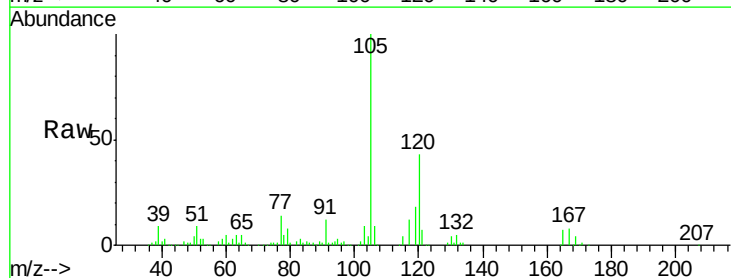
Manual Integrations
 APPROVED

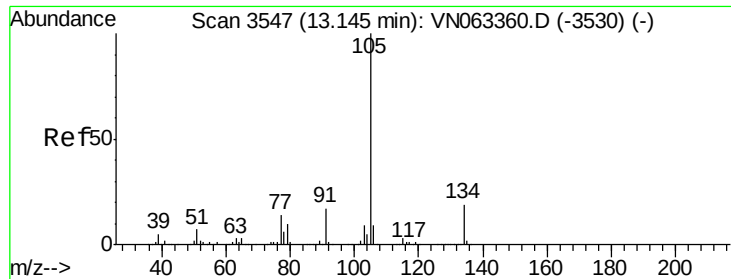
MMDadoda
 9/29/2020 4:37:59 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 17.812 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	209773		
120	42.9	21.3	63.9	





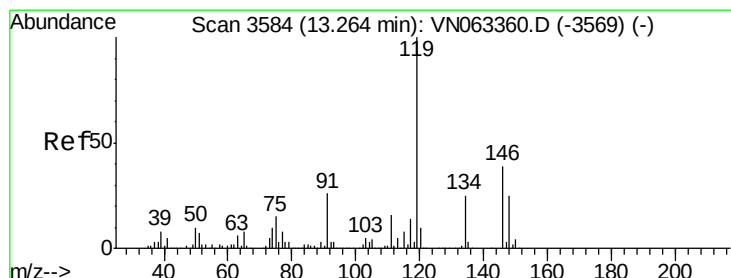
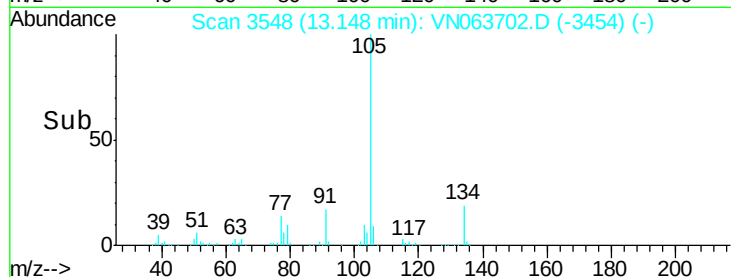
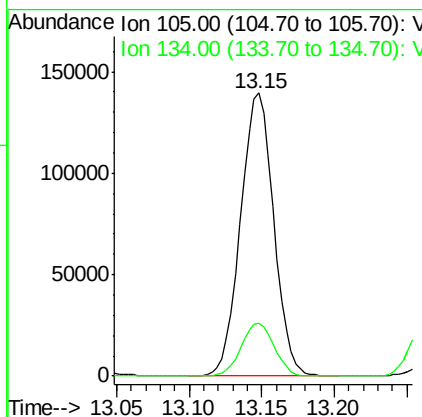
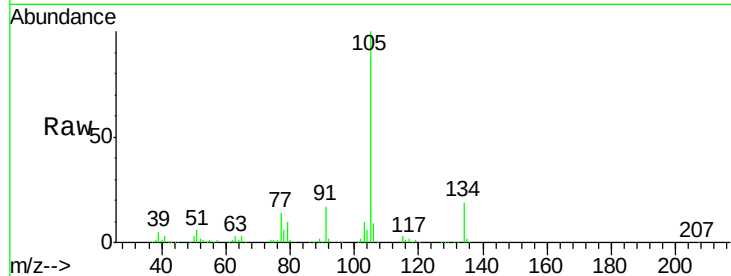
#85
 sec-Butylbenzene
 Concen: 17.158 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.3	27.7

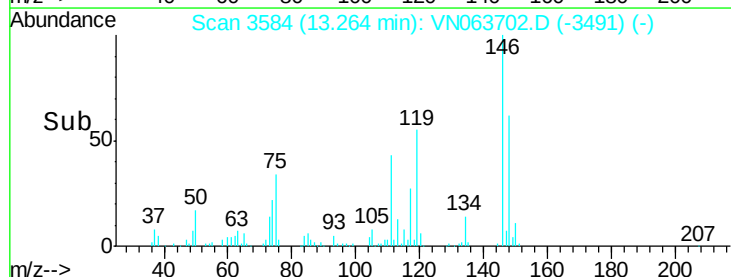
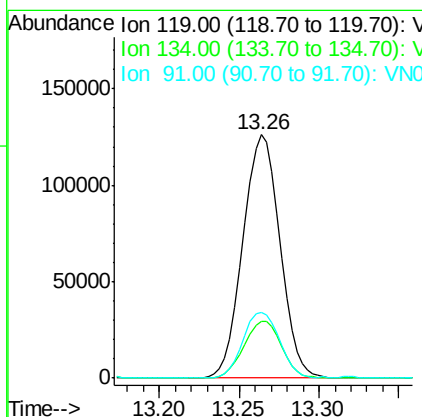
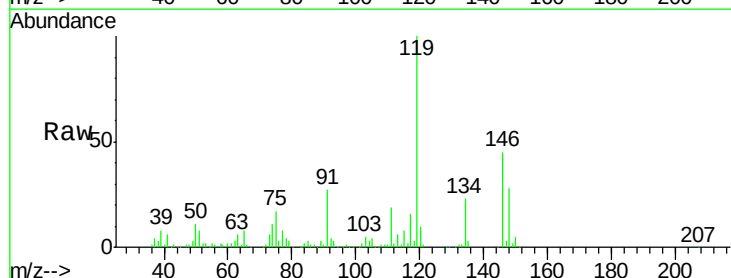
Manual Integrations
 APPROVED

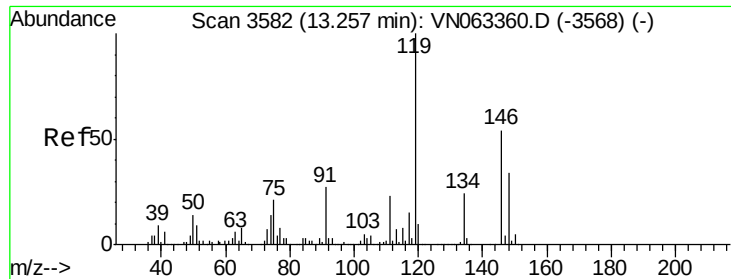
MMDadoda
 9/29/2020 4:37:59 PM



#86
 p-Isopropyltoluene
 Concen: 17.482 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.8	12.5	37.5
91	27.0	13.4	40.1





#87

1,3-Dichlorobenzene

Concen: 18.690 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

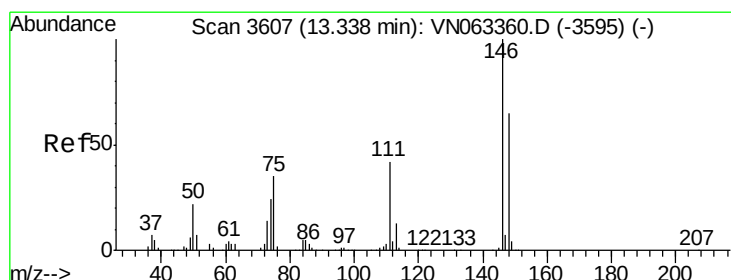
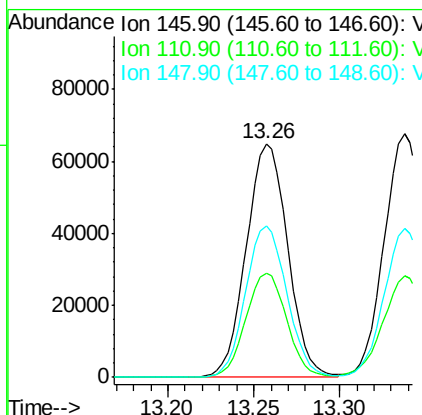
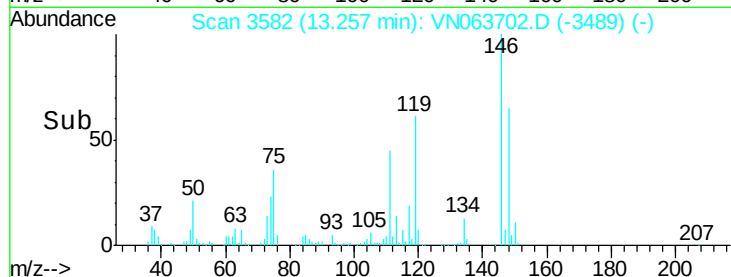
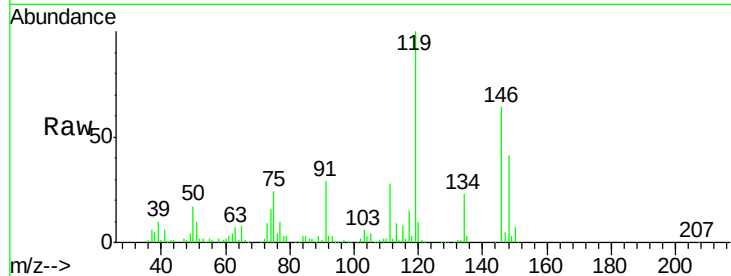
ClientSampleId :

VN0928WBSD01

Tot Ion:	146	Resp:	108956
Ion Ratio	Lower	Upper	
146	100		
111	43.8	21.4	64.3
148	64.4	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
9/29/2020 4:37:59 PM



#88

1,4-Dichlorobenzene

Concen: 18.731 ug/l

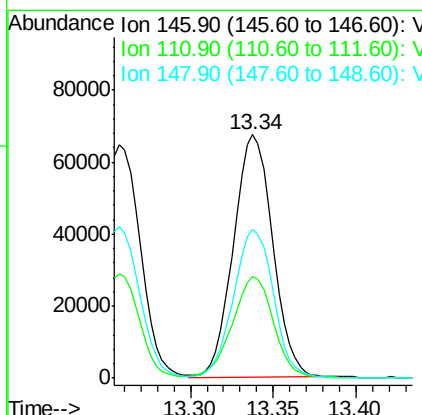
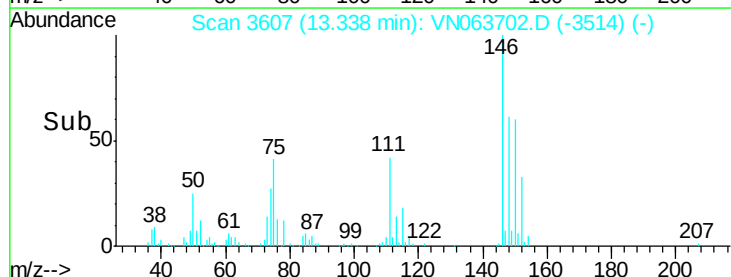
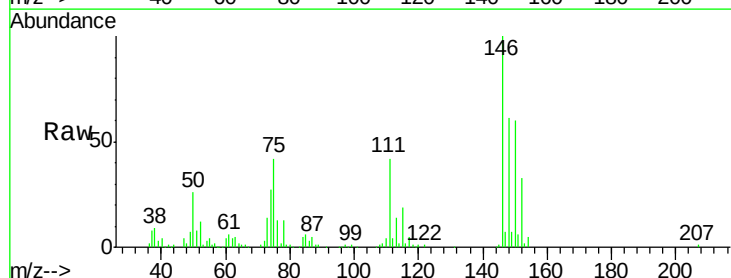
RT: 13.34 min Scan# 3607

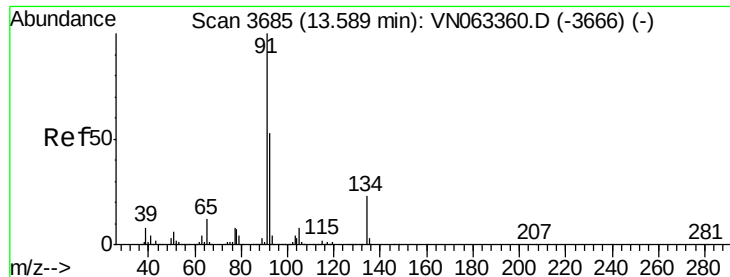
Delta R.T. -0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Tgt Ion:	146	Resp:	111014
Ion Ratio	Lower	Upper	
146	100		
111	44.3	21.2	63.6
148	62.0	31.9	95.9





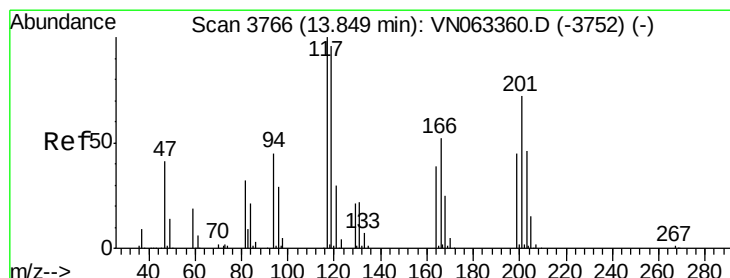
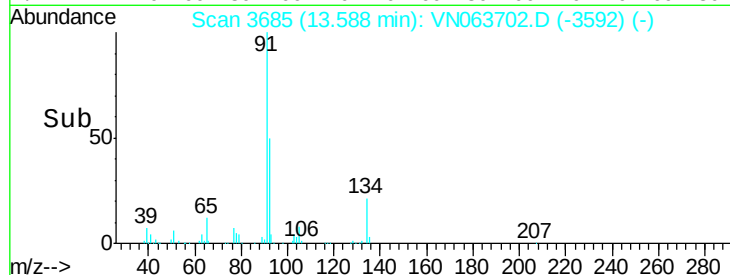
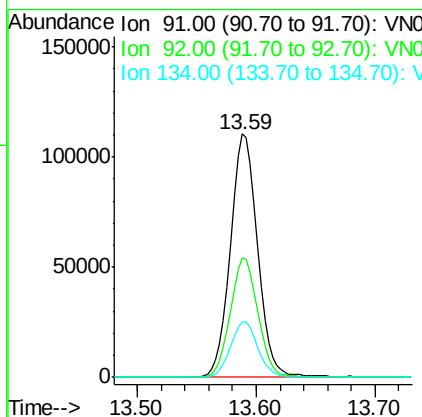
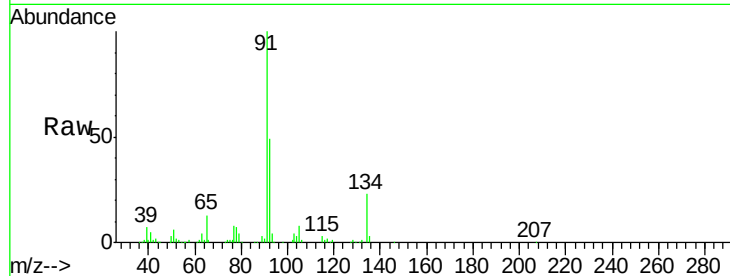
#89
n-Butylbenzene
Concen: 16.735 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.8	26.0	78.0
134	23.1	11.7	35.0

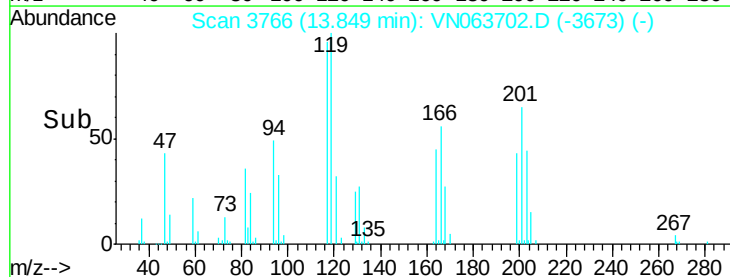
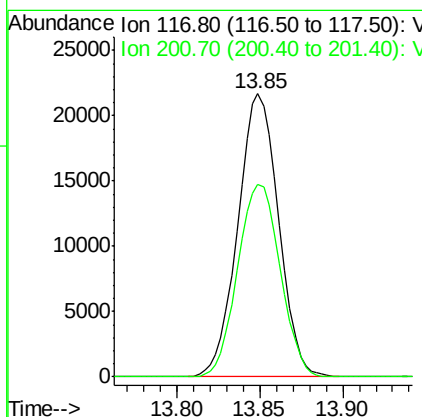
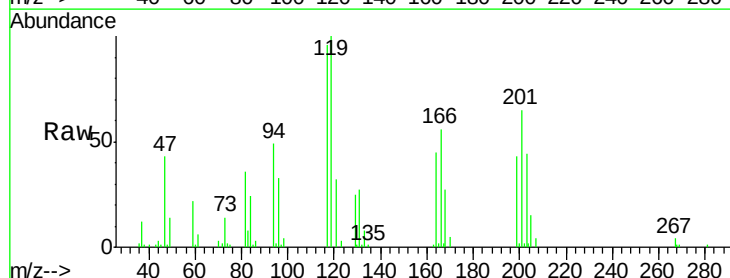
Manual Integrations
APPROVED

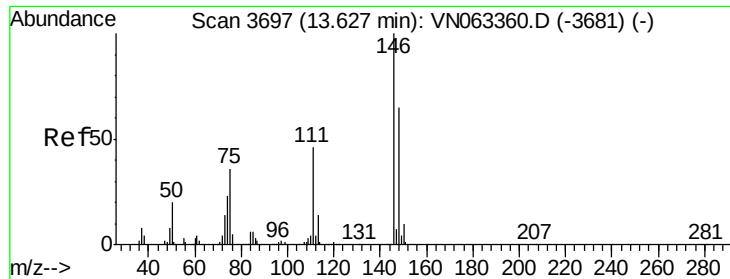
MMDadoda
9/29/2020 4:37:59 PM



#90
Hexachloroethane
Concen: 17.143 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063702.D
Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.7	35.5	106.7





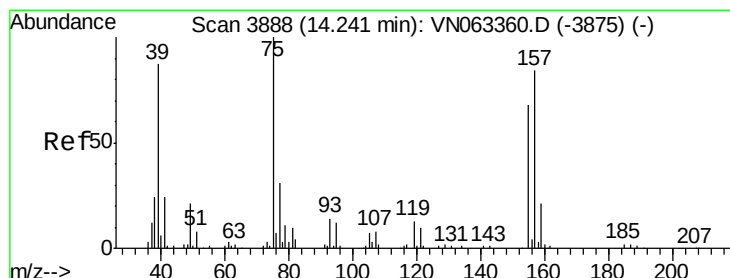
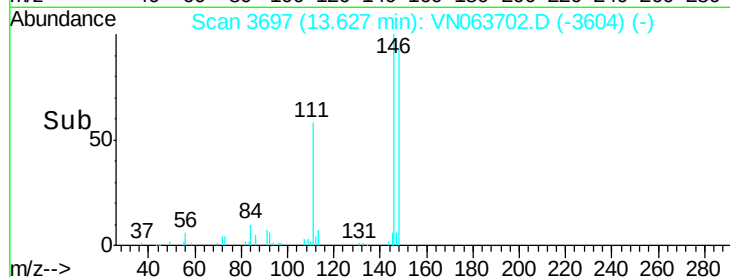
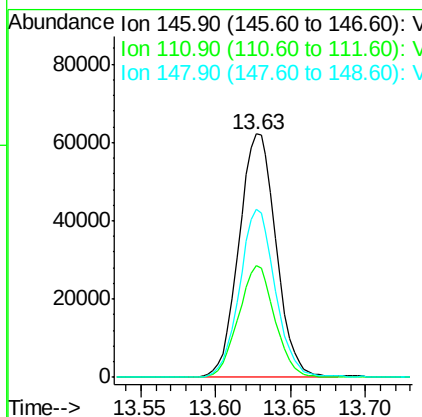
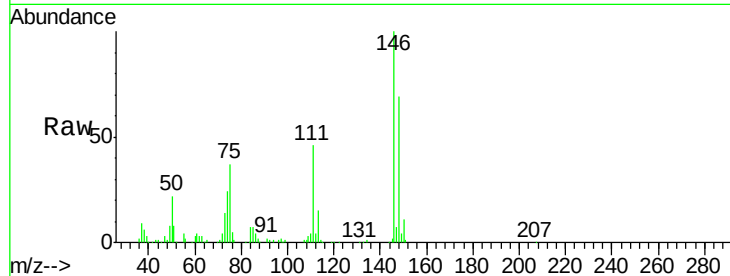
#91
 1,2-Dichlorobenzene
 Concen: 18.790 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.4	67.2
148	66.3	32.0	96.0

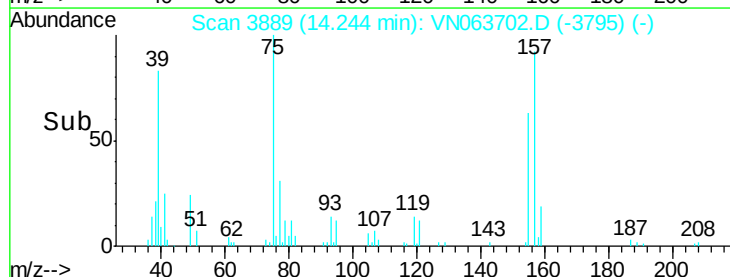
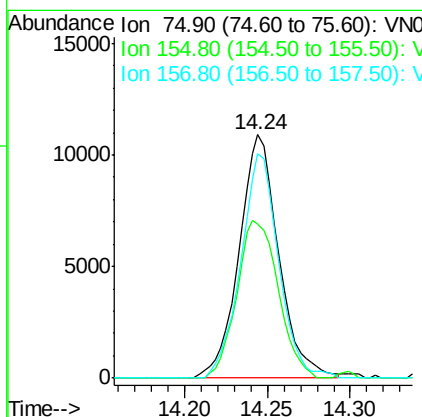
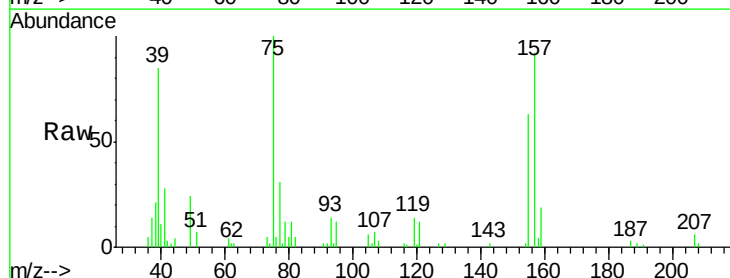
Manual Integrations
 APPROVED

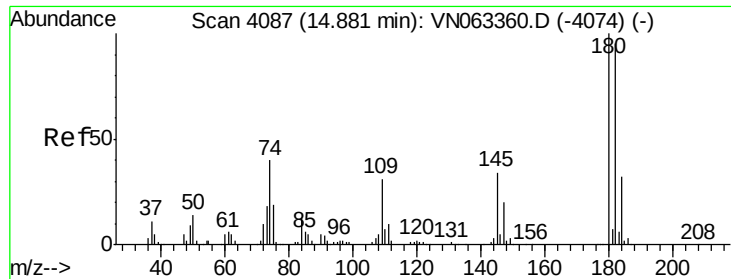
MMDadoda
 9/29/2020 4:37:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.580 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.9	34.6	103.9
157	88.2	43.7	131.1





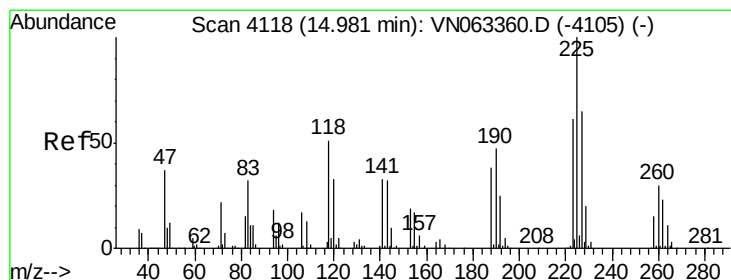
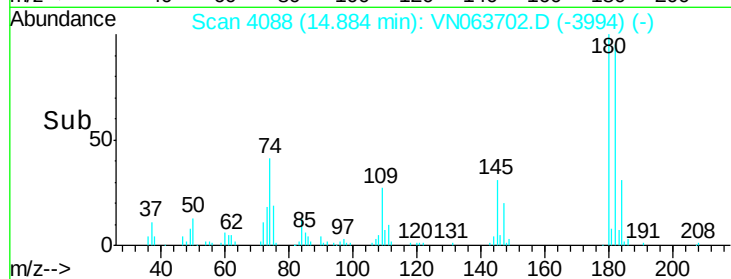
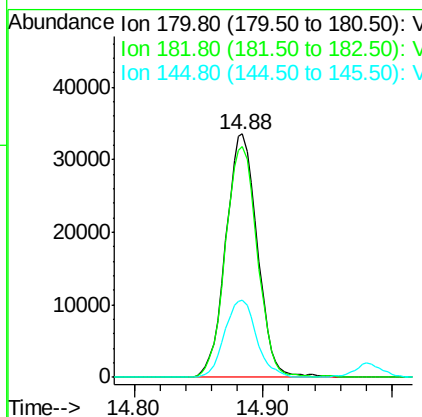
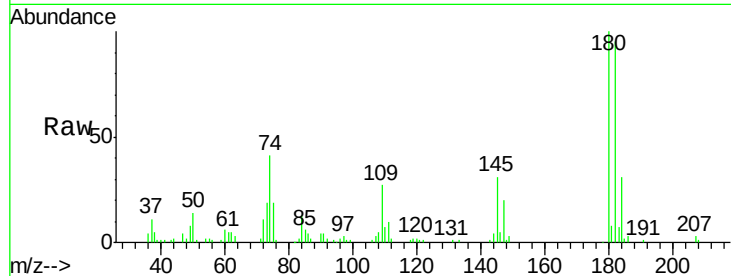
#93
 1,2,4-Trichlorobenzene
 Concen: 16.895 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	142.0
145	32.0	16.6	49.7

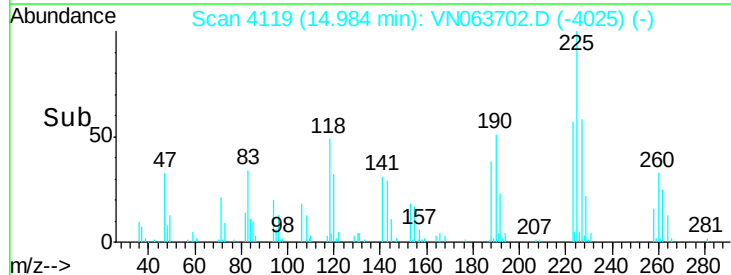
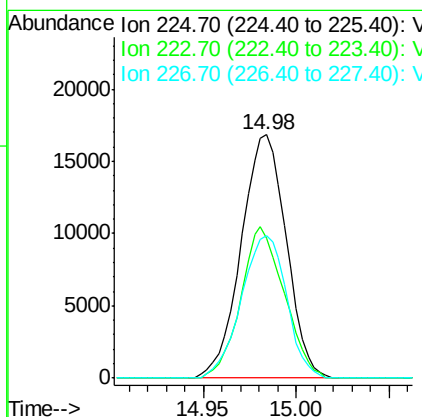
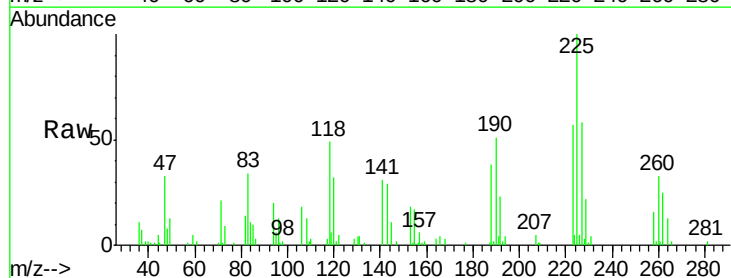
Manual Integrations
 APPROVED

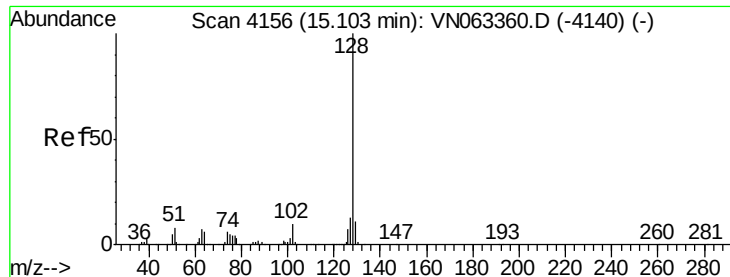
MMDadoda
 9/29/2020 4:37:59 PM



#94
 Hexachlorobutadiene
 Concen: 20.309 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063702.D
 Acq: 28 Sep 2020 13:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.7	30.6	91.6
227	58.7	31.2	93.6





#95

Naphthalene

Concen: 15.735 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Instrument :

MSVOA_N

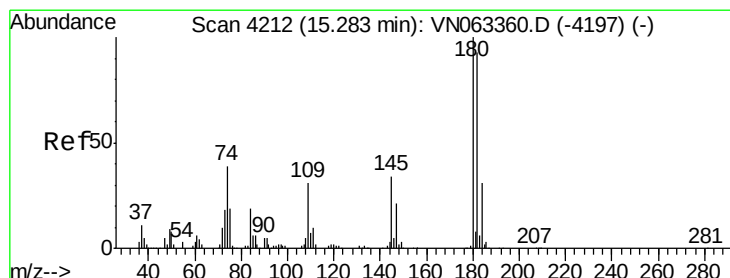
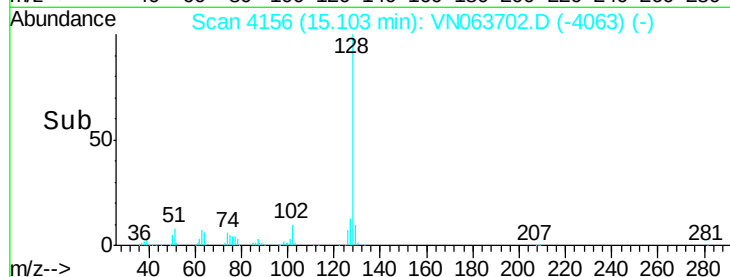
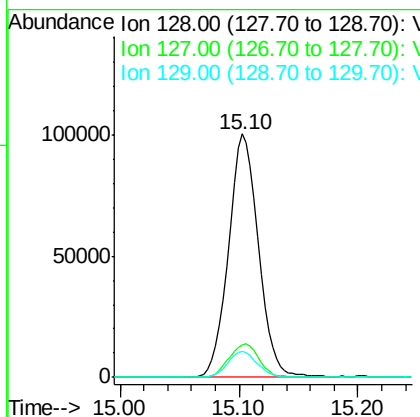
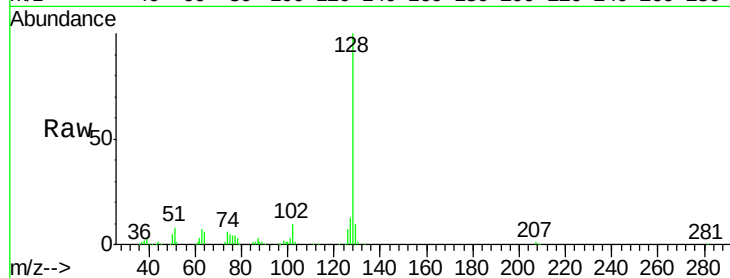
ClientSampleId :

VN0928WBSD01

Tot Ion:	128	Resp:	175405
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.6	15.8
129	10.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/29/2020 4:37:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.108 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063702.D

Acq: 28 Sep 2020 13:57

Tgt Ion:	180	Resp:	55773
Ion Ratio	Lower	Upper	
180	100		
182	93.1	46.7	140.1
145	34.3	16.8	50.3

