

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
 Data File : VN060394.D
 Acq On : 9 Mar 2020 11:47
 Operator : JC/MD
 Sample : VN0309WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/10/2020 10:46:05 AM

Quant Time: Mar 09 16:45:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	327012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	300175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	126157	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
35) Dibromofluoromethane	7.56	113	92212	60.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.50%	
50) Toluene-d8	10.08	98	364300	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
62) 4-Bromofluorobenzene	12.40	95	135817	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	30218	16.46	ug/l	98
3) Chloromethane	2.04	50	53952	16.88	ug/l	99
4) Vinyl Chloride	2.16	62	46097	16.81	ug/l	98
5) Bromomethane	2.54	94	18313	14.91	ug/l	97
6) Chloroethane	2.68	64	25179	16.95	ug/l	94
7) Trichlorofluoromethane	3.00	101	60801	17.36	ug/l	99
8) Diethyl Ether	3.38	74	25107	18.98	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	35464	17.89	ug/l	97
10) Methyl Iodide	3.92	142	30889	17.07	ug/l	100
11) Tert butyl alcohol	4.72	59	38819	101.74	ug/l	100
12) 1,1-Dichloroethene	3.71	96	35355	18.33	ug/l	94
13) Acrolein	3.58	56	32214	90.50	ug/l	100
14) Allyl chloride	4.29	41	66558	18.76	ug/l	99
15) Acrylonitrile	4.94	53	103149	102.57	ug/l	98
16) Acetone	3.78	43	82854	99.85	ug/l	99
17) Carbon Disulfide	4.03	76	86886	16.54	ug/l	99
18) Methyl Acetate	4.29	43	54125	19.55	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	136365	19.52	ug/l	99
20) Methylene Chloride	4.52	84	41615	18.26	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	37794	18.01	ug/l	97
22) Diisopropyl ether	5.91	45	142978	19.90	ug/l	94
23) Vinyl Acetate	5.86	43	568110	99.49	ug/l	100
24) 1,1-Dichloroethane	5.81	63	77246	18.99	ug/l	98
25) 2-Butanone	6.80	43	136484	101.83	ug/l	100
26) 2,2-Dichloropropane	6.79	77	68907	18.61	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	47596	18.01	ug/l	99
28) Bromochloromethane	7.17	49	31980	19.15	ug/l	97
29) Tetrahydrofuran	7.18	42	93602	100.43	ug/l	98
30) Chloroform	7.35	83	78586	19.41	ug/l	99
31) Cyclohexane	7.63	56	67283	18.54	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	66655	18.58	ug/l	100
36) 1,1-Dichloropropene	7.77	75	55419	17.78	ug/l	99
37) Ethyl Acetate	6.89	43	61045	20.69	ug/l	99
38) Carbon Tetrachloride	7.75	117	54573	17.98	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
 Data File : VN060394.D
 Acq On : 9 Mar 2020 11:47
 Operator : JC/MD
 Sample : VN0309WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sample ID :
 VN0309WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/10/2020 10:46:05 AM

Quant Time: Mar 09 16:45:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	64399	17.53	ug/l	98
40) Benzene	8.02	78	170782	18.83	ug/l	98
41) Methacrylonitrile	7.14	41	23759m	17.44	ug/l	
42) 1,2-Dichloroethane	8.10	62	63270	19.33	ug/l	100
43) Isopropyl Acetate	8.14	43	104903	20.31	ug/l	99
44) Trichloroethene	8.82	130	46179	18.28	ug/l	98
45) 1,2-Dichloropropane	9.10	63	47939	20.21	ug/l	99
46) Dibromomethane	9.19	93	29500	19.17	ug/l	100
47) Bromodichloromethane	9.39	83	61177	19.55	ug/l	97
48) Methyl methacrylate	9.18	41	44176	18.75	ug/l	99
49) 1,4-Dioxane	9.18	88	13903	419.65	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	300424	102.56	ug/l	99
52) Toluene	10.14	92	104546	18.35	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	72469	18.90	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	76758	19.32	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	43845	19.13	ug/l	98
56) Ethyl methacrylate	10.42	69	63980	19.43	ug/l	98
57) 1,3-Dichloropropane	10.70	76	74257	19.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	164468	95.52	ug/l	100
59) 2-Hexanone	10.74	43	214578	99.77	ug/l	100
60) Dibromochloromethane	10.89	129	45331	19.45	ug/l	97
61) 1,2-Dibromoethane	10.99	107	42064	18.83	ug/l	98
64) Tetrachloroethene	10.62	164	50517	20.54	ug/l	97
65) Chlorobenzene	11.43	112	110855	18.29	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42858	19.12	ug/l	98
67) Ethyl Benzene	11.50	91	204863	18.56	ug/l	99
68) m/p-Xylenes	11.62	106	149859	35.98	ug/l	97
69) o-Xylene	11.94	106	75148	18.92	ug/l	99
70) Styrene	11.96	104	119537	18.31	ug/l	99
71) Bromoform	12.12	173	31134	19.28	ug/l #	100
73) Isopropylbenzene	12.25	105	199347	18.85	ug/l	100
74) N-amyl acetate	12.07	43	88723	19.20	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	56755	19.74	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	56982m	18.20	ug/l	
77) Bromobenzene	12.52	156	48278	18.62	ug/l	98
78) n-propylbenzene	12.59	91	229953	18.55	ug/l	100
79) 2-Chlorotoluene	12.67	91	136761	18.77	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	166318	18.68	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	22041	19.43	ug/l #	86
82) 4-Chlorotoluene	12.77	91	141556	18.44	ug/l	98
83) tert-Butylbenzene	12.99	119	142929	18.54	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	168783	18.78	ug/l	99
85) sec-Butylbenzene	13.17	105	188698	18.28	ug/l	99
86) p-Isopropyltoluene	13.28	119	171384	17.93	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	86659	19.34	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	86102	19.22	ug/l	99
89) n-Butylbenzene	13.61	91	152853	17.42	ug/l	99
90) Hexachloroethane	13.87	117	23084	16.69	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	84274	18.55	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12276	18.85	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
Data File : VN060394.D
Acq On : 9 Mar 2020 11:47
Operator : JC/MD
Sample : VN0309WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

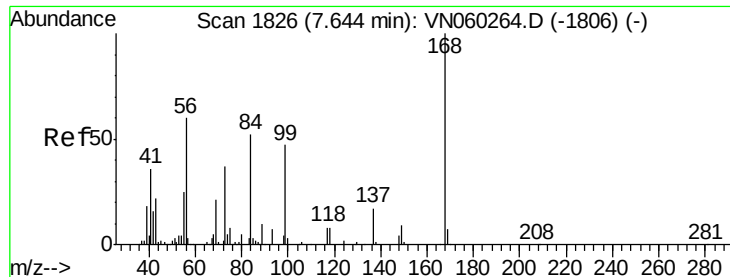
Manual Integrations
APPROVED

MMDadoda
3/10/2020 10:46:05 AM

Quant Time: Mar 09 16:45:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52985	18.41	ug/l	99
94) Hexachlorobutadiene	15.01	225	25616	18.95	ug/l	99
95) Naphthalene	15.13	128	155602	18.13	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50607	18.50	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBSD01

Tgt Ion:168 Resp: 200275

Ion Ratio Lower Upper

168 100

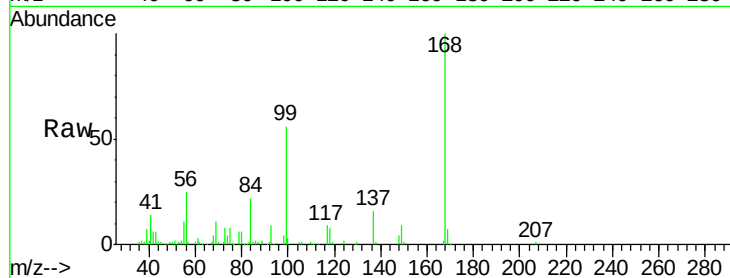
99 55.8 44.7 67.1

Manual Integrations

APPROVED

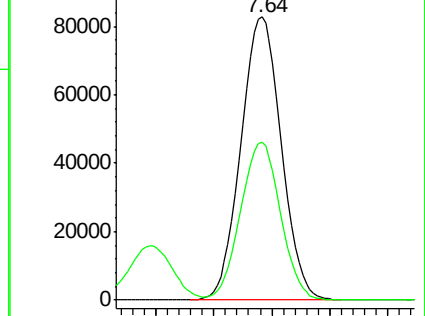
MMDadoda

3/10/2020 10:46:05 AM

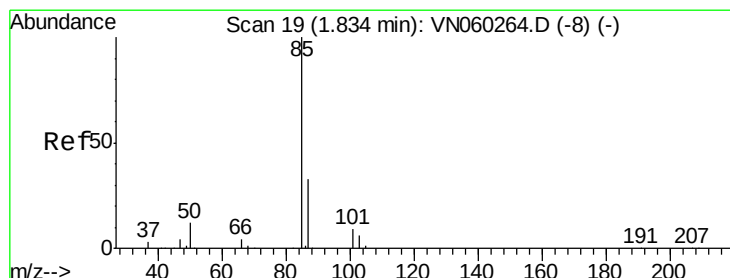
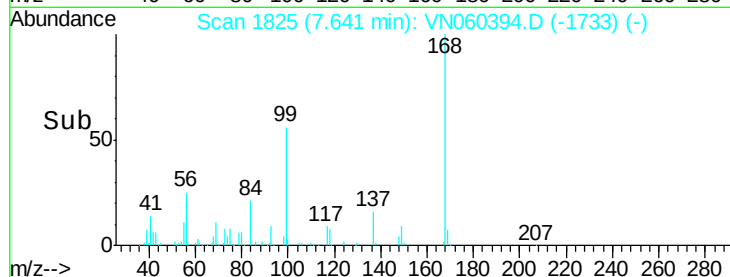


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



Time-->



#2

Dichlorodifluoromethane

Concen: 16.46 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060394.D

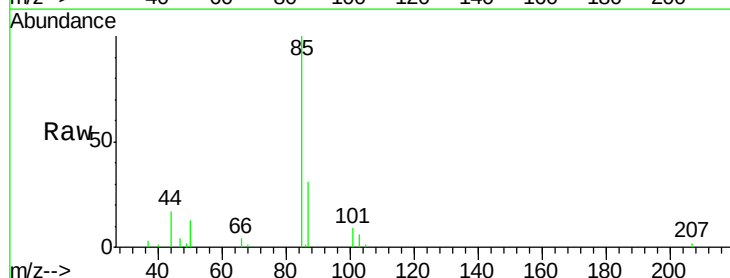
Acq: 9 Mar 2020 11:47

Tgt Ion: 85 Resp: 30218

Ion Ratio Lower Upper

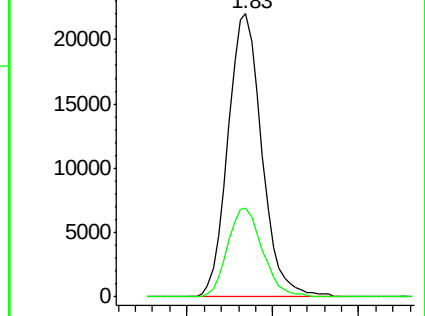
85 100

87 31.5 16.3 48.9

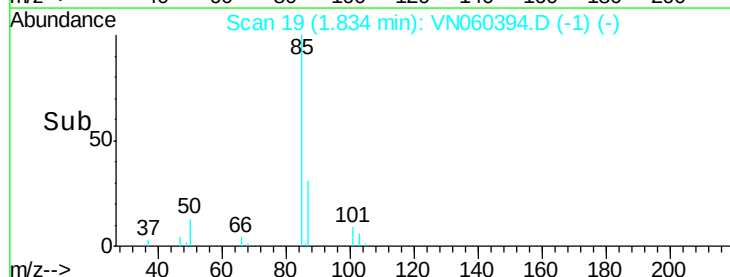


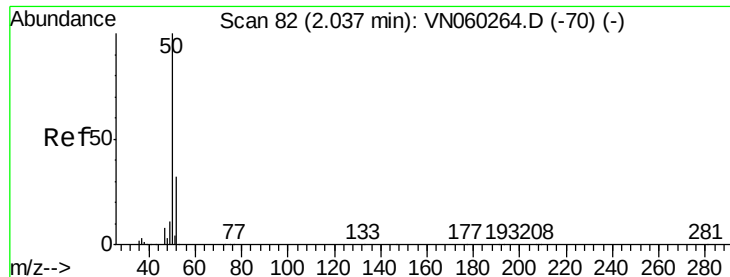
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO



Time-->





#3

Chloromethane

Concen: 16.88 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBSD01

Tgt Ion: 50 Resp: 53952

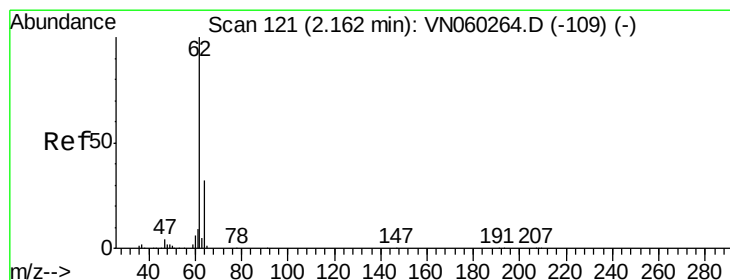
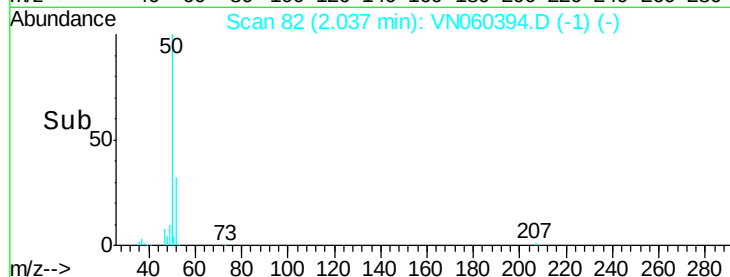
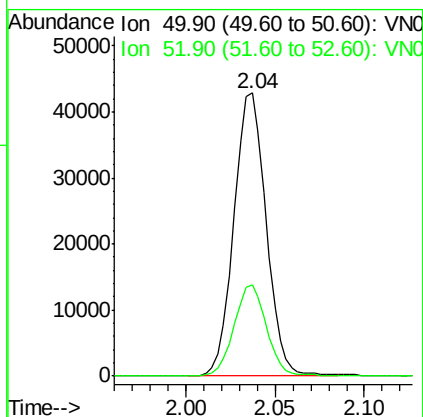
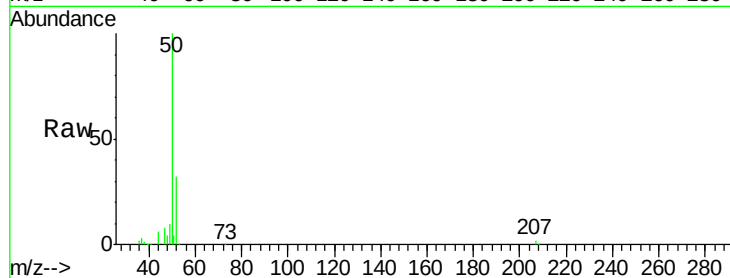
Ion Ratio Lower Upper

50 100

52 32.3 25.6 38.4

Manual Integrations
APPROVED

MMDadoda
3/10/2020 10:46:05 AM



#4

Vinyl Chloride

Concen: 16.81 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060394.D

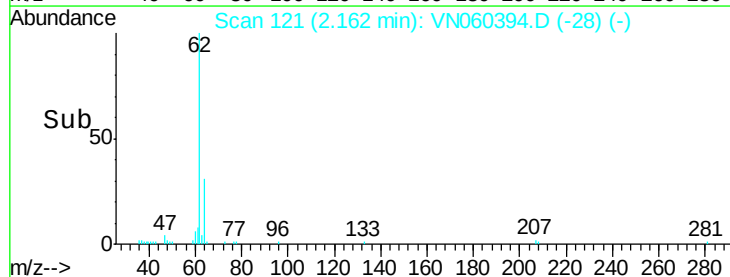
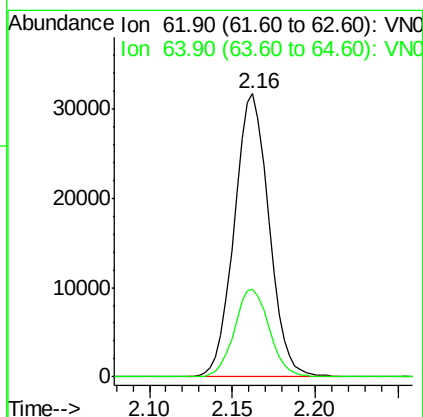
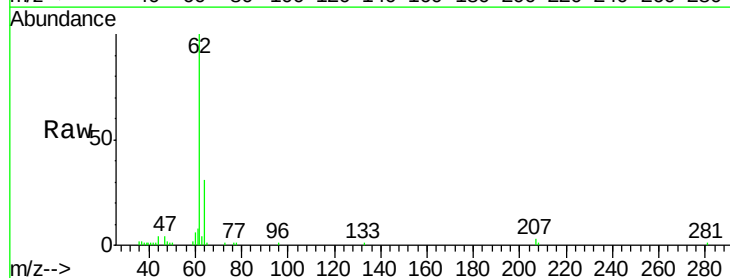
Acq: 9 Mar 2020 11:47

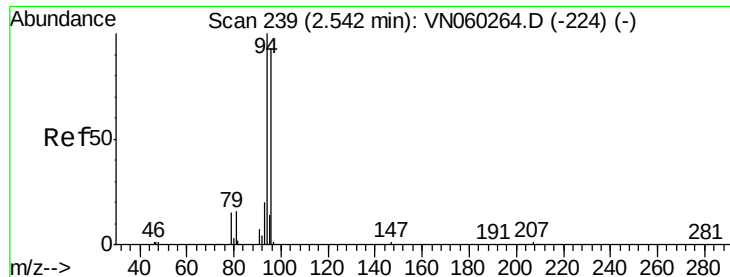
Tgt Ion: 62 Resp: 46097

Ion Ratio Lower Upper

62 100

64 30.9 25.5 38.3





#5

Bromomethane

Concen: 14.91 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBSD01

Tgt Ion: 94 Resp: 18313

Ion Ratio Lower Upper

94 100

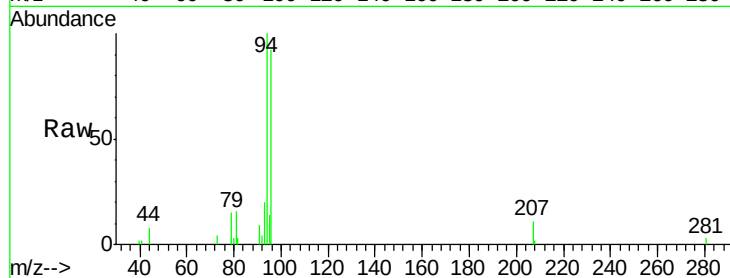
96 90.3 74.3 111.5

Manual Integrations

APPROVED

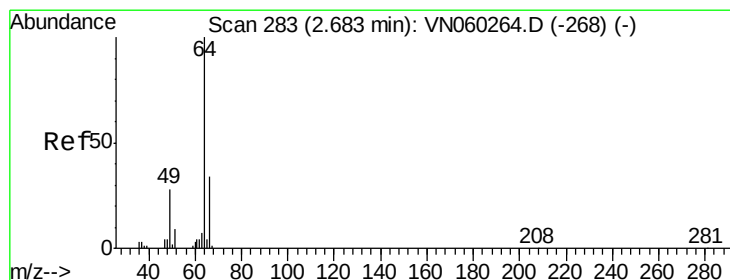
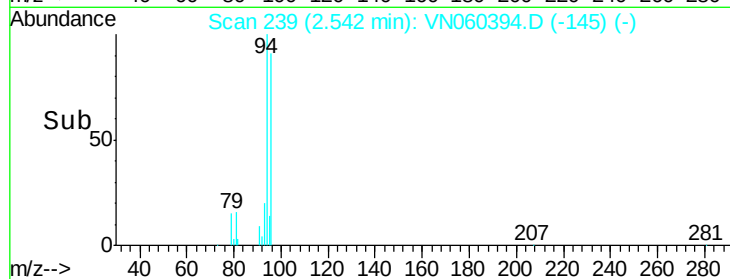
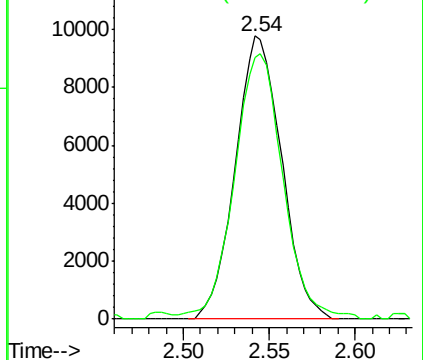
MMDadoda

3/10/2020 10:46:05 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.95 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060394.D

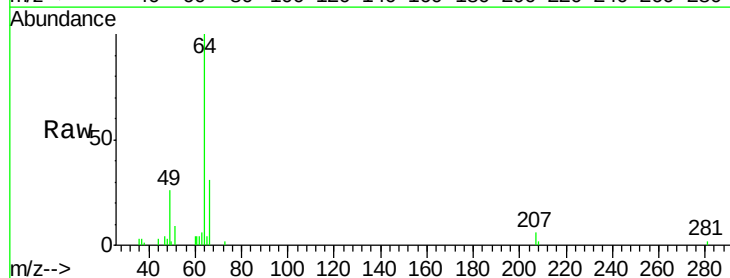
Acq: 9 Mar 2020 11:47

Tgt Ion: 64 Resp: 25179

Ion Ratio Lower Upper

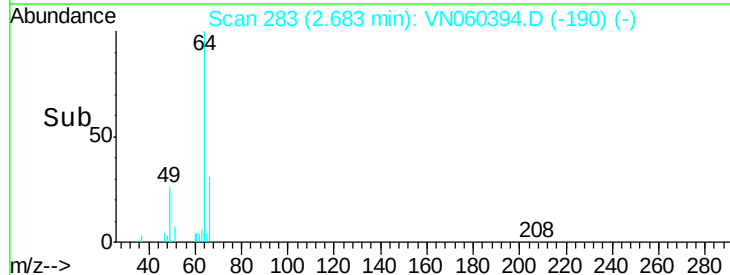
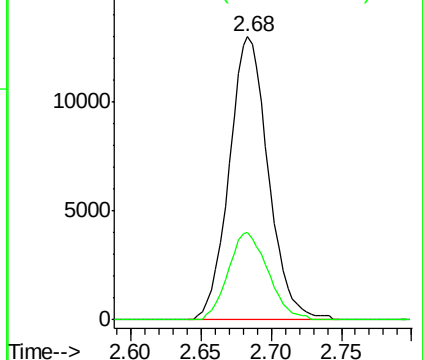
64 100

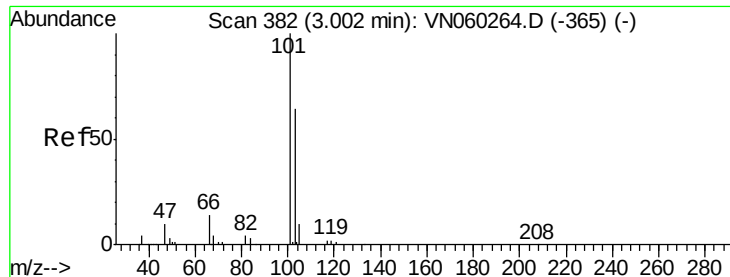
66 30.8 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

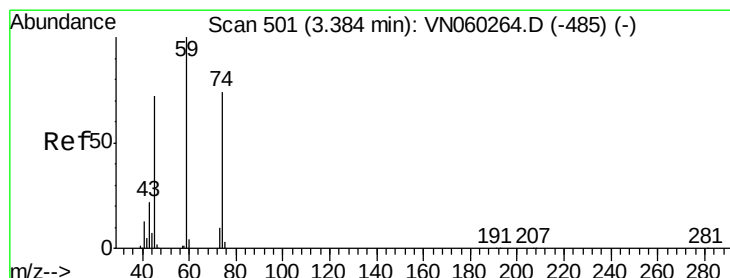
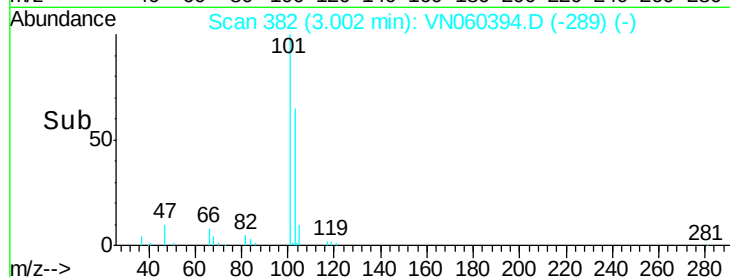
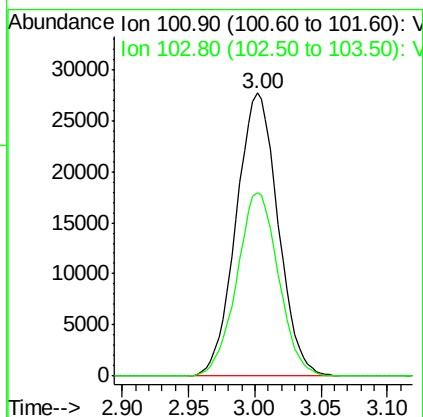
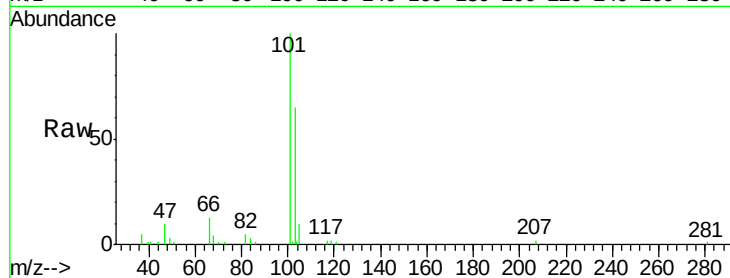
Trichlorofluoromethane
 Concen: 17.36 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBSD01

Tgt Ion: 101 Resp: 60801
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.3 76.9

Manual Integrations
 APPROVED

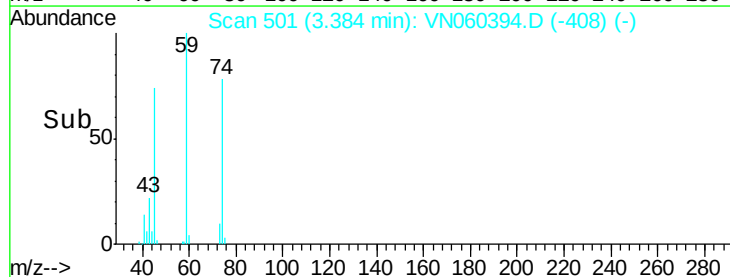
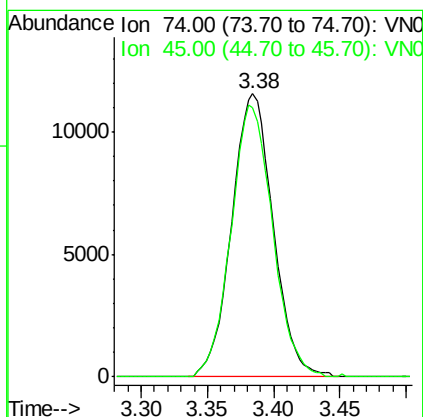
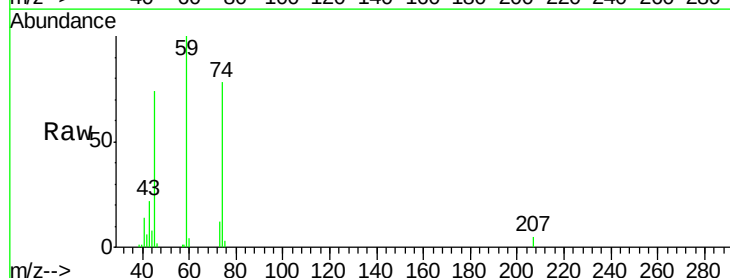
MMDadoda
 3/10/2020 10:46:05 AM

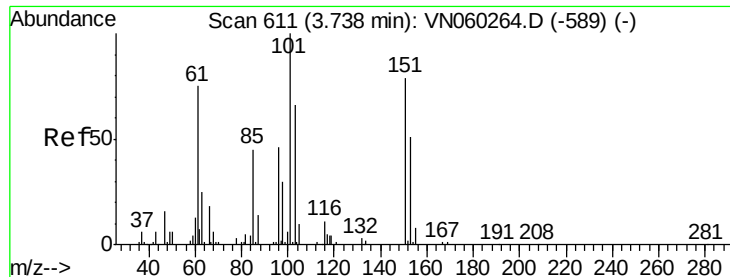


#8

Diethyl Ether
 Concen: 18.98 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Tgt Ion: 74 Resp: 25107
 Ion Ratio Lower Upper
 74 100
 45 96.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.89 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Instrument :

MSVOA_N

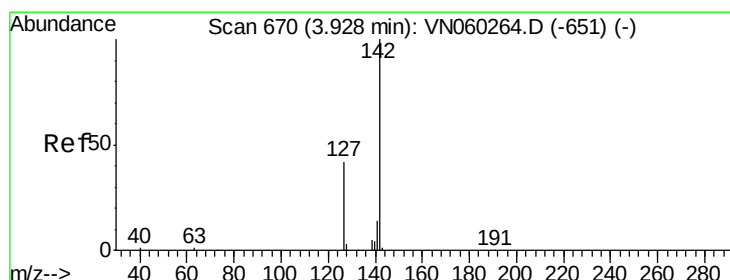
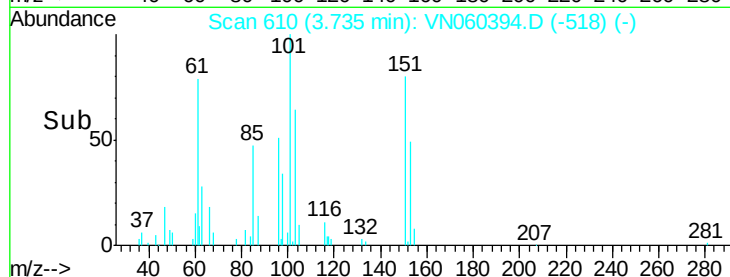
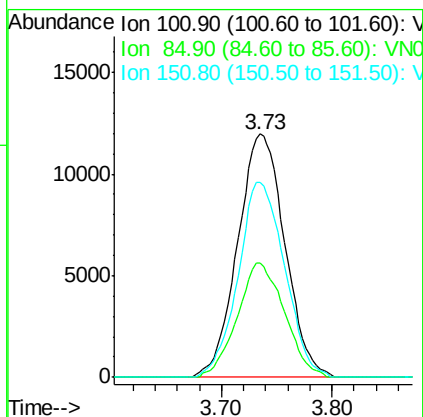
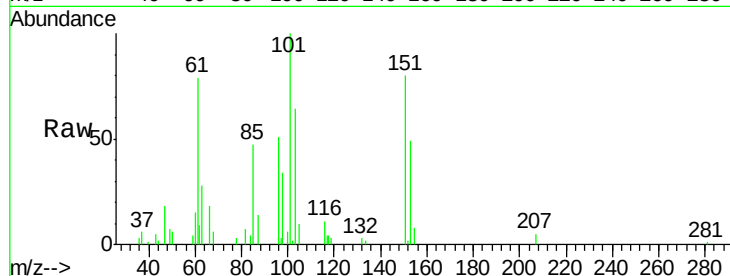
ClientSampleId :

VN0309WBSD01

Tgt Ion:	101	Resp:	35464
Ion Ratio	Lower	Upper	
101	100		
85	46.8	35.4	53.2
151	79.1	62.0	93.0

Manual Integrations
APPROVED

MMDadoda
3/10/2020 10:46:05 AM



#10

Methyl Iodide

Concen: 17.07 ug/l

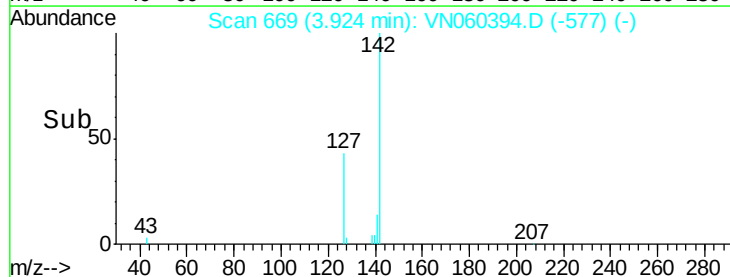
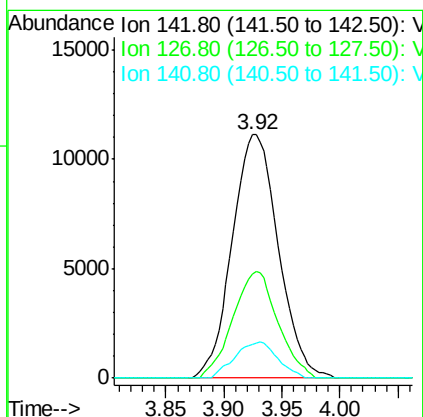
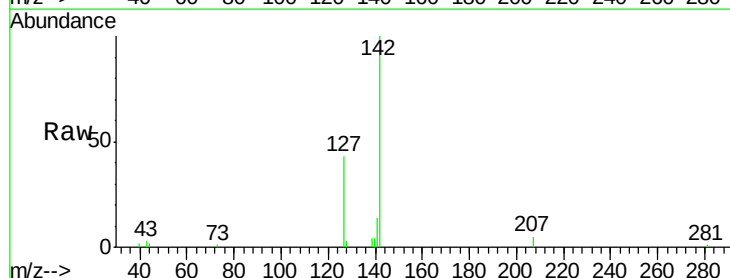
RT: 3.92 min Scan# 669

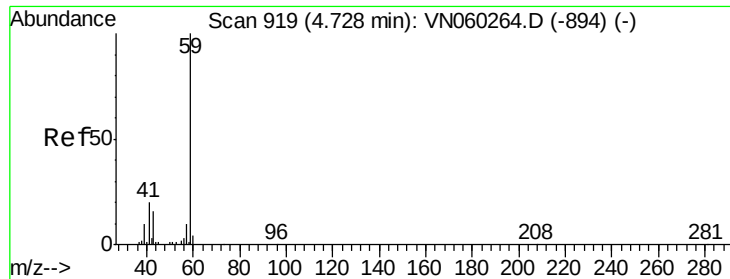
Delta R.T. -0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Tgt Ion:	142	Resp:	30889
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.8	50.6
141	13.8	11.1	16.7





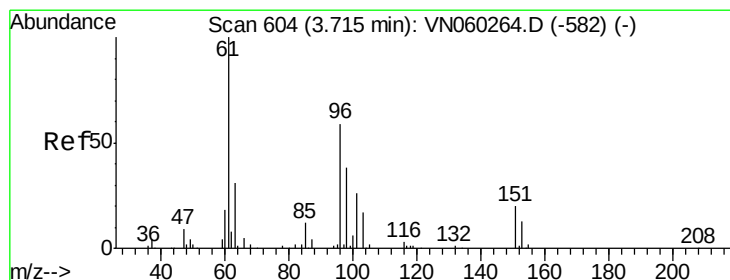
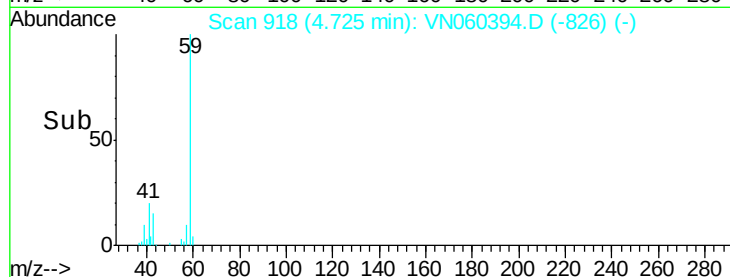
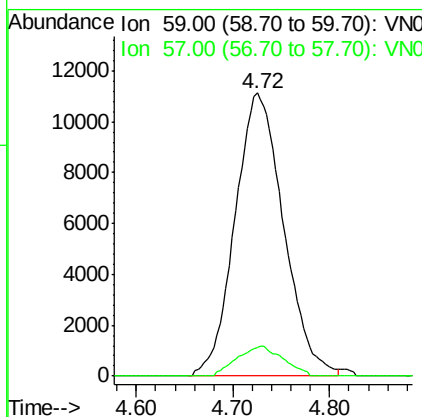
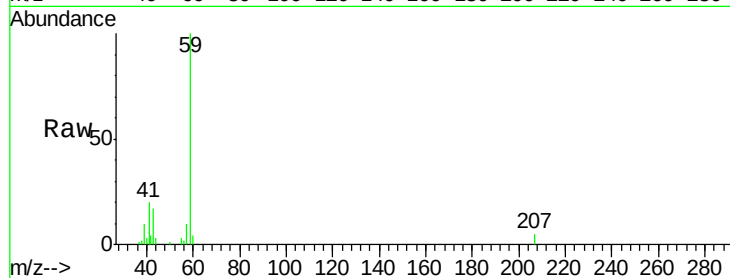
#11
Tert butyl alcohol
Concen: 101.74 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion: 59 Resp: 38819
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2

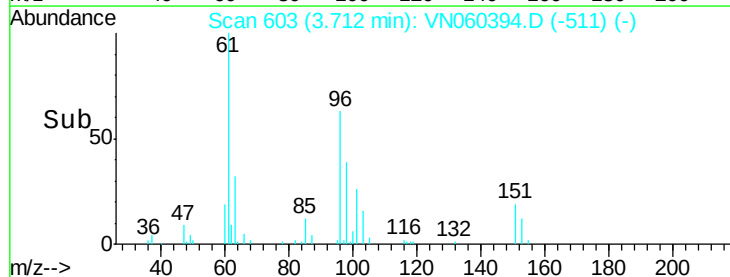
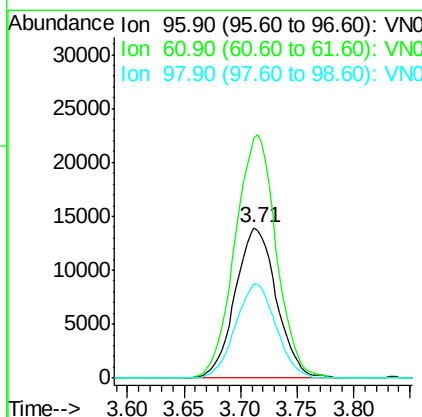
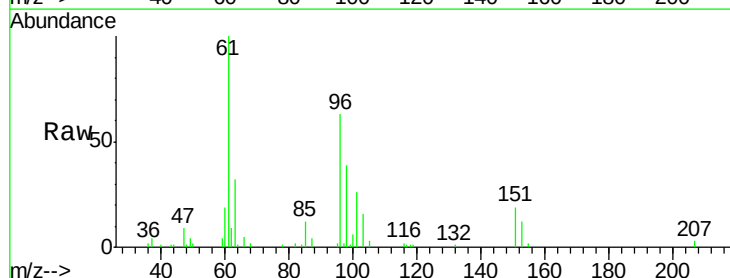
Manual Integrations
APPROVED

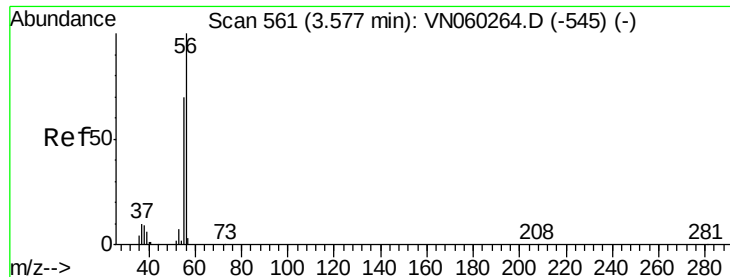
MMDadoda
3/10/2020 10:46:05 AM



#12
1,1-Dichloroethene
Concen: 18.33 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion: 96 Resp: 35355
Ion Ratio Lower Upper
96 100
61 159.1 135.4 203.0
98 62.5 51.6 77.4





#13

Acrolein

Concen: 90.50 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBSD01

Tgt Ion: 56 Resp: 32214

Ion Ratio Lower Upper

56 100

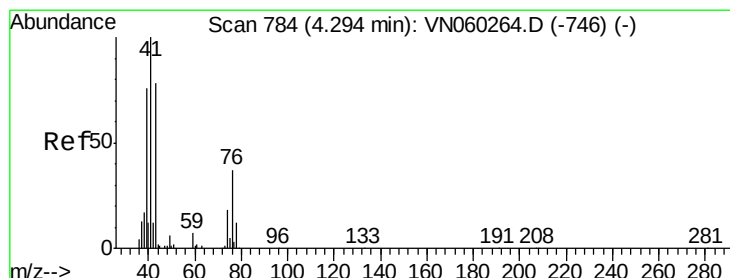
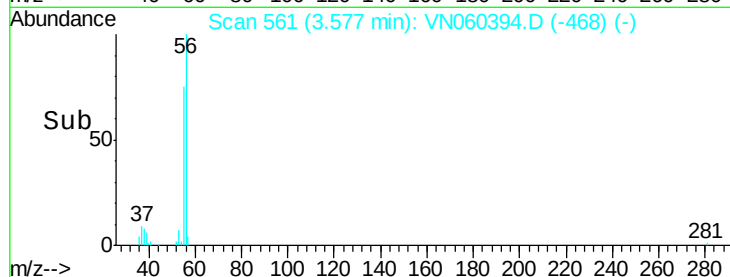
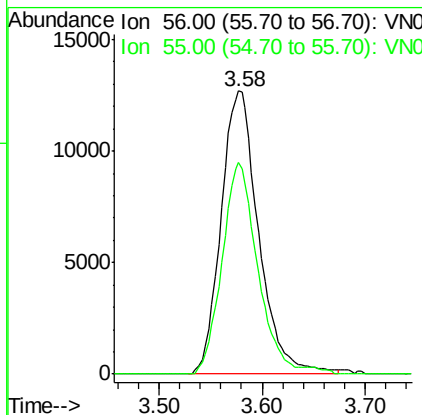
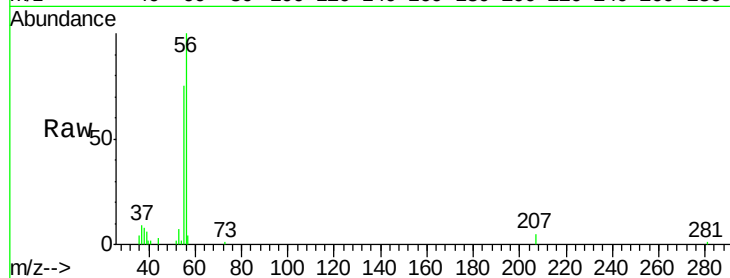
55 71.4 57.4 86.0

Manual Integrations

APPROVED

MMDadoda

3/10/2020 10:46:05 AM



#14

Allyl chloride

Concen: 18.76 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

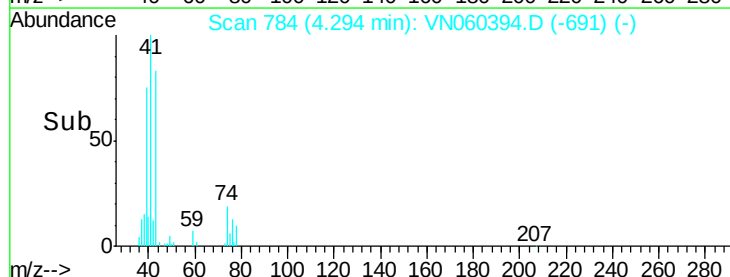
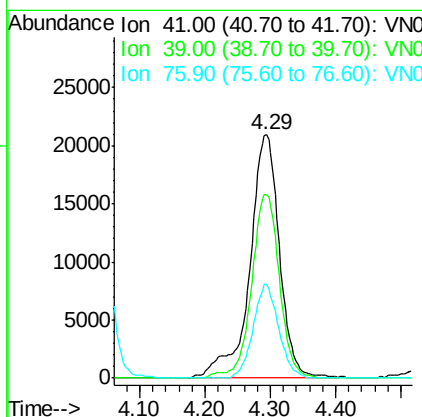
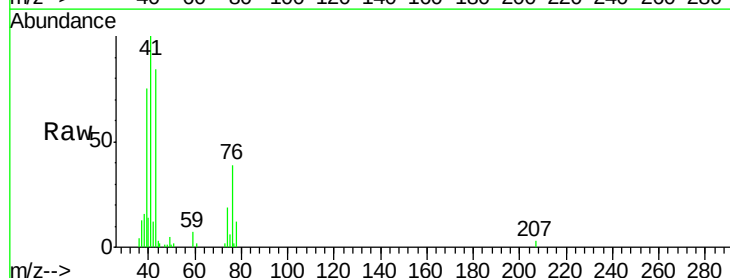
Tgt Ion: 41 Resp: 66558

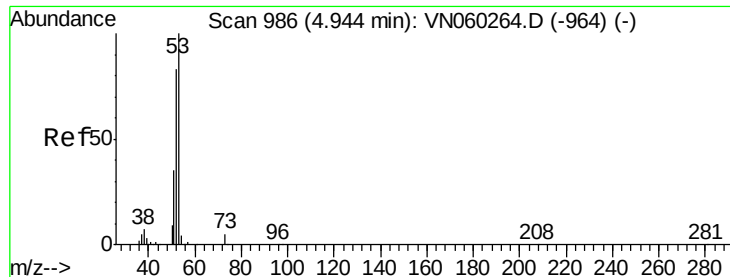
Ion Ratio Lower Upper

41 100

39 70.3 55.4 83.2

76 32.8 27.0 40.6





#15

Acrylonitrile

Concen: 102.57 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Instrument :

MSVOA_N

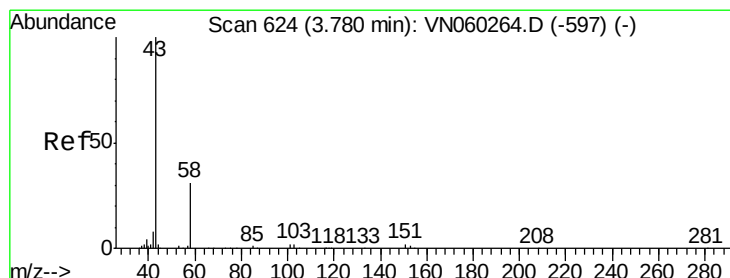
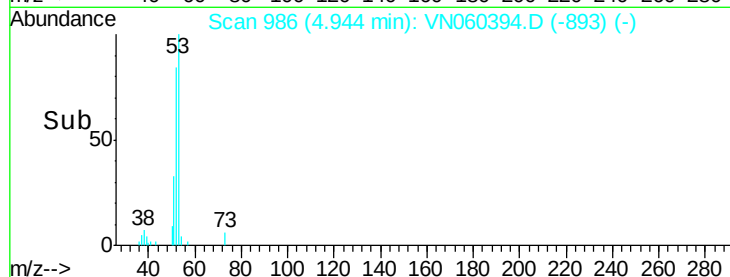
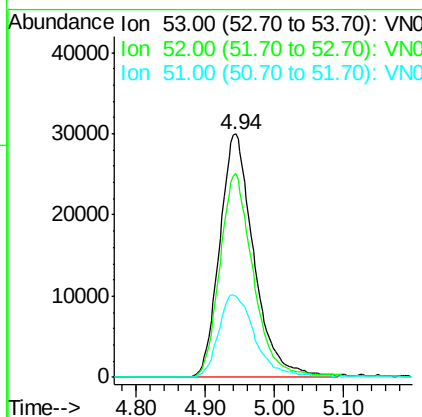
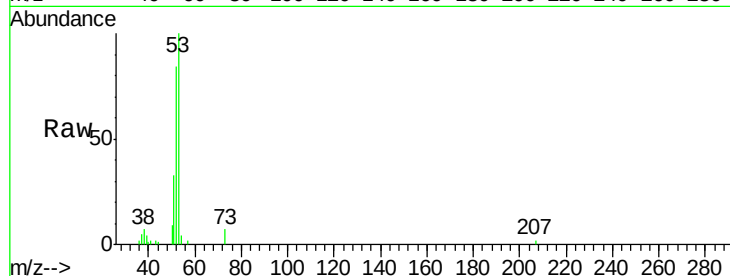
ClientSampleId :

VN0309WBSD01

Tgt Ion:	53	Resp:	103149
Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.8	100.2
51	36.1	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
3/10/2020 10:46:05 AM



#16

Acetone

Concen: 99.85 ug/l

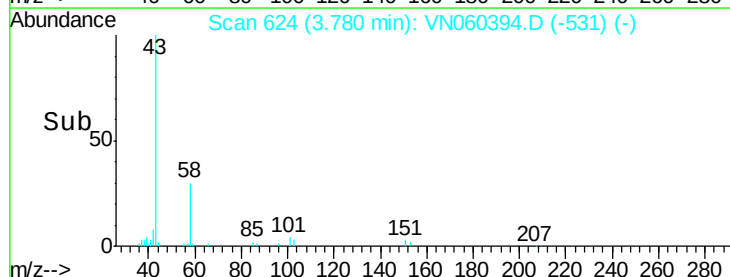
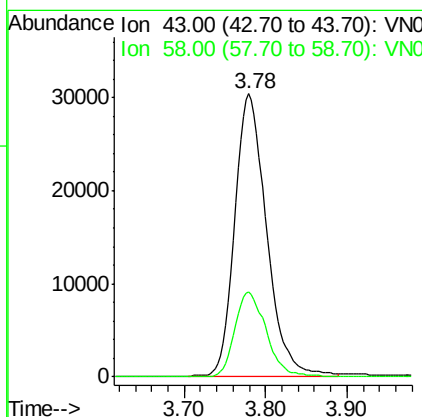
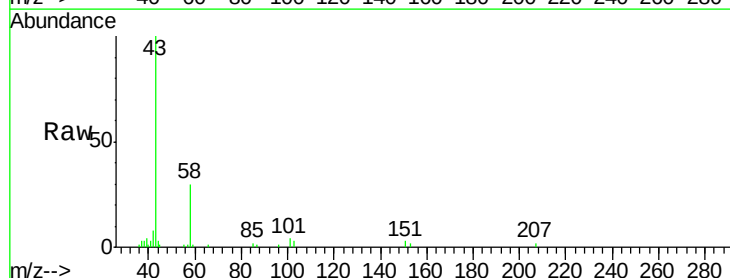
RT: 3.78 min Scan# 624

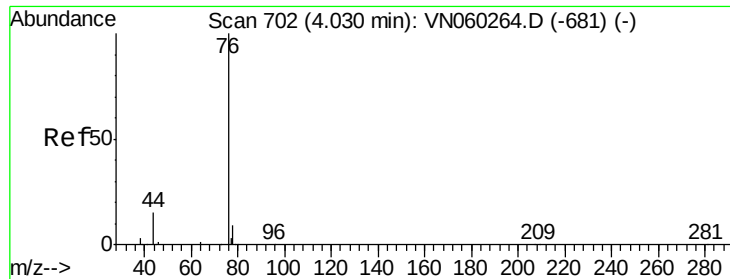
Delta R.T. 0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Tgt Ion:	43	Resp:	82854
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.6	36.8





#17

Carbon Disulfide

Concen: 16.54 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0309WBSD01

Tgt Ion: 76 Resp: 86886

Ion Ratio Lower Upper

76 100

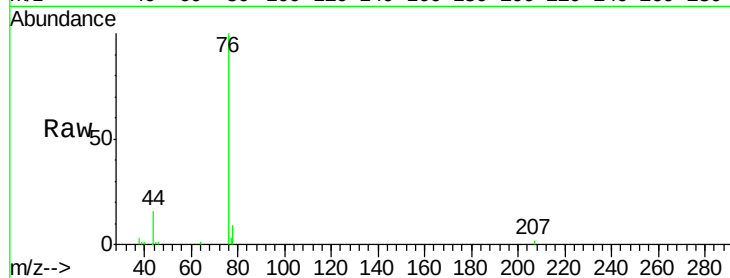
78 8.7 7.4 11.0

Manual Integrations

APPROVED

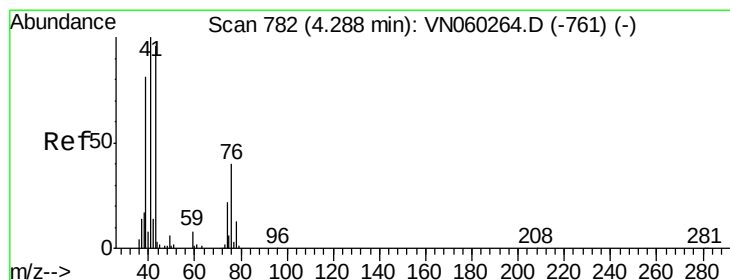
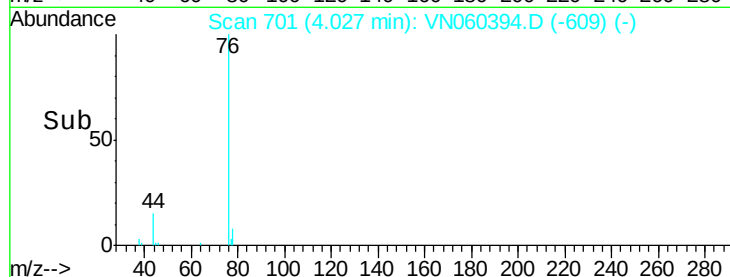
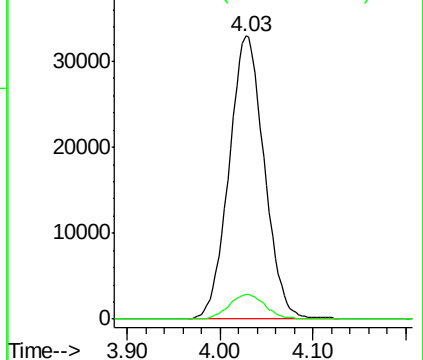
MMDadoda

3/10/2020 10:46:05 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.55 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060394.D

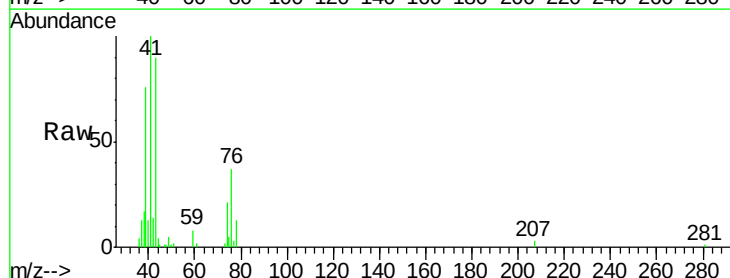
Acq: 9 Mar 2020 11:47

Tgt Ion: 43 Resp: 54125

Ion Ratio Lower Upper

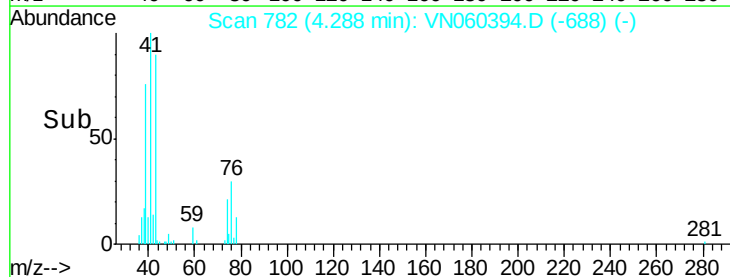
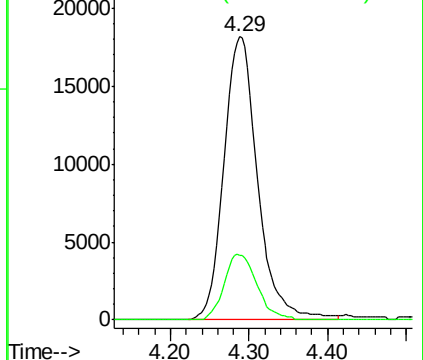
43 100

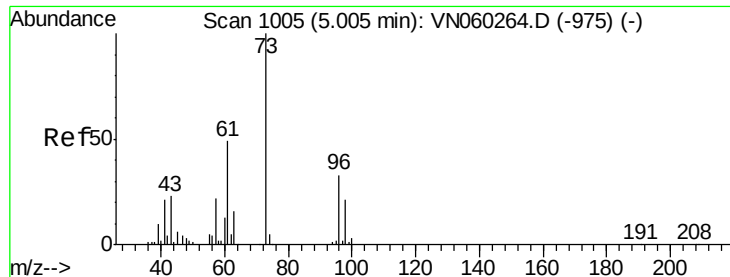
74 22.4 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





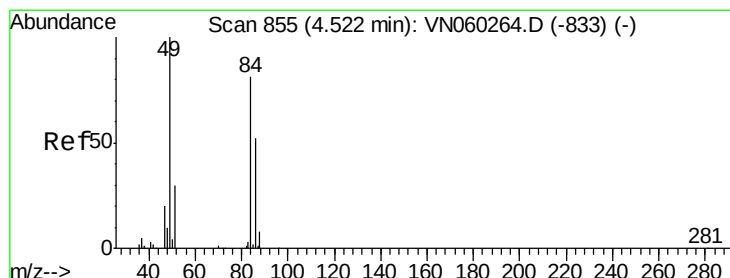
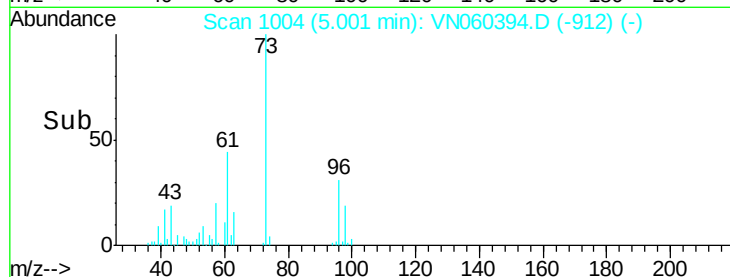
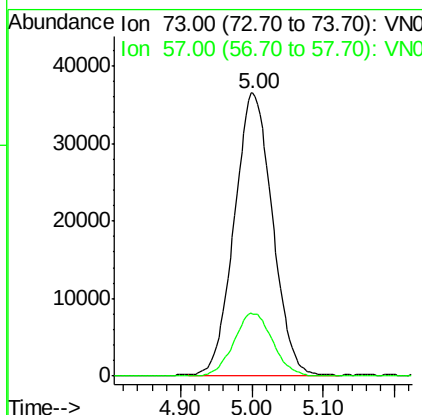
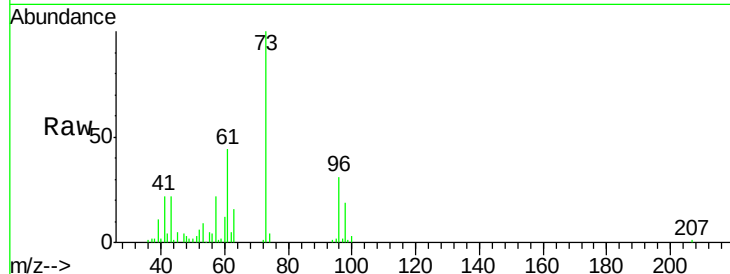
#19
Methyl tert-butyl Ether
Concen: 19.52 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion: 73 Resp: 136365
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9

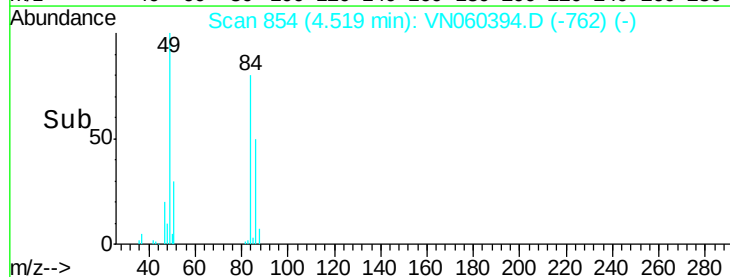
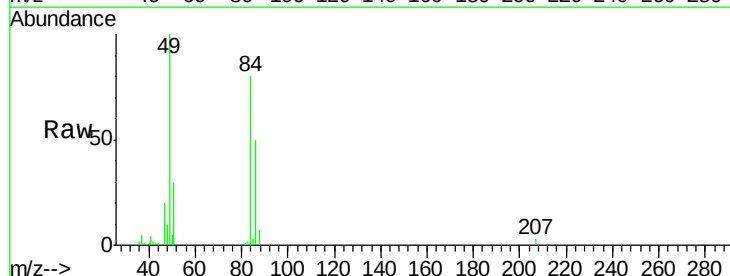
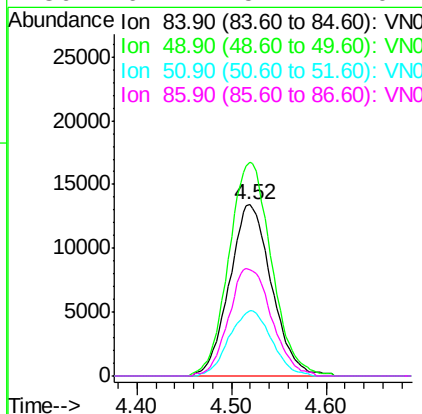
Manual Integrations
APPROVED

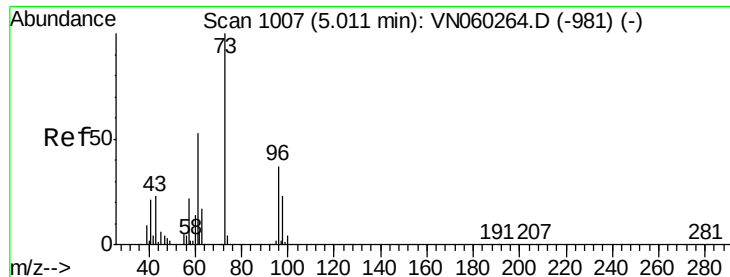
MMDadoda
3/10/2020 10:46:05 AM



#20
Methylene Chloride
Concen: 18.26 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion: 84 Resp: 41615
Ion Ratio Lower Upper
84 100
49 124.7 99.3 148.9
51 37.8 30.1 45.1
86 62.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 18.01 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Instrument :

MSVOA_N

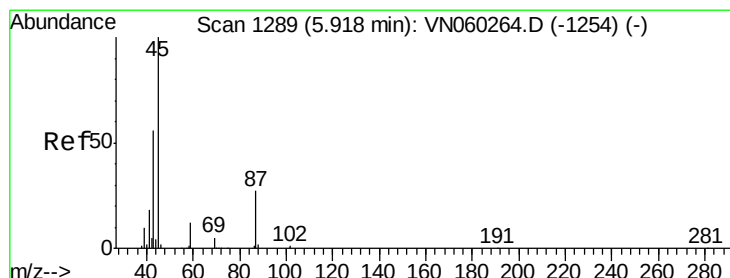
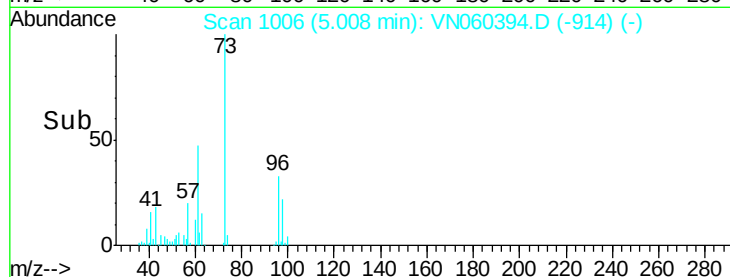
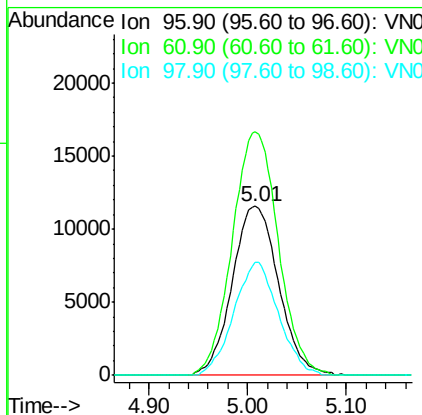
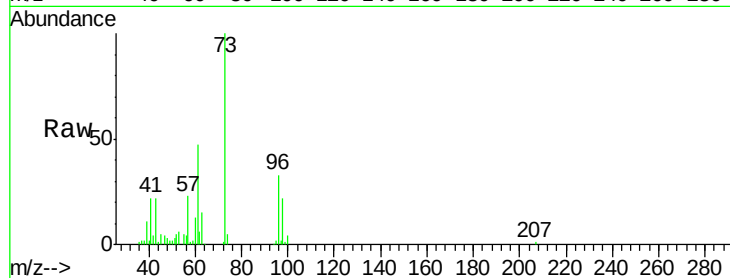
ClientSampleId :

VN0309WBSD01

Tgt Ion:	96	Resp:	37794
Ion	Ratio	Lower	Upper
96	100		
61	143.8	113.8	170.8
98	66.5	48.8	73.2

Manual Integrations
APPROVED

MMDadoda
3/10/2020 10:46:05 AM



#22

Diisopropyl ether

Concen: 19.90 ug/l

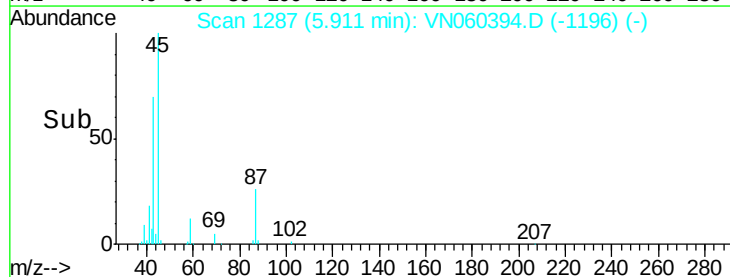
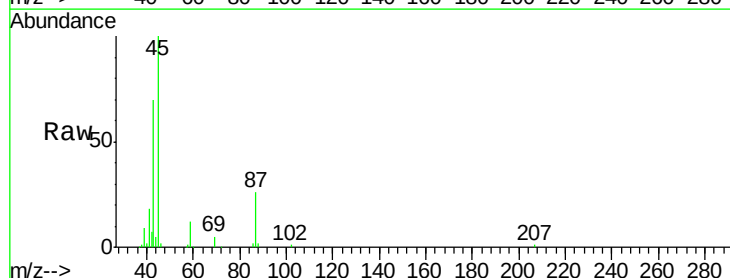
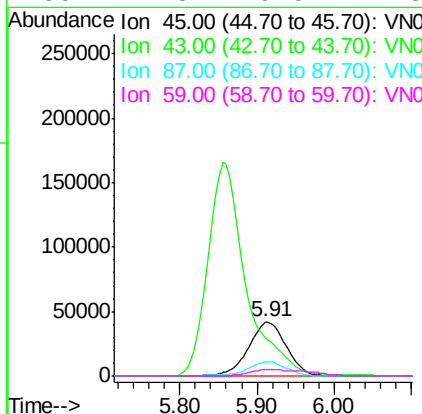
RT: 5.91 min Scan# 1287

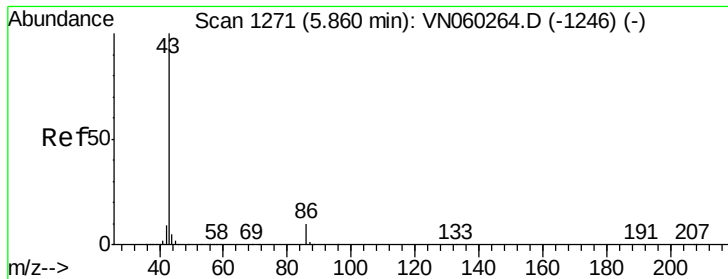
Delta R.T. -0.01 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Tgt Ion:	45	Resp:	142978
Ion	Ratio	Lower	Upper
45	100		
43	67.3	48.6	72.8
87	26.2	22.2	33.2
59	11.8	9.5	14.3





#23

Vinyl Acetate

Concen: 99.49 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBSD01

Tgt Ion: 43 Resp: 568110

Ion Ratio Lower Upper

43 100

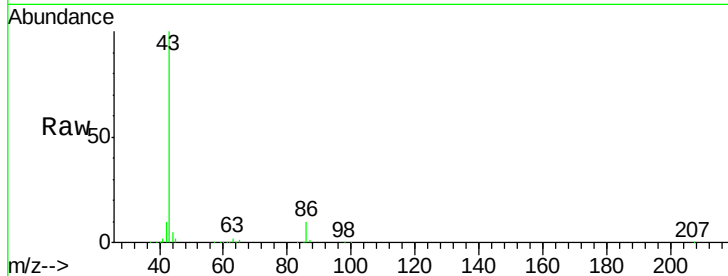
86 9.8 8.0 12.0

Manual Integrations

APPROVED

MMDadoda

3/10/2020 10:46:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

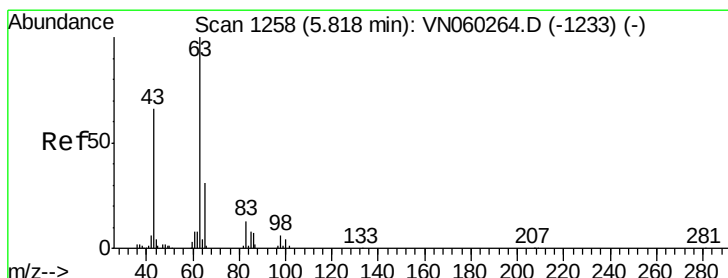
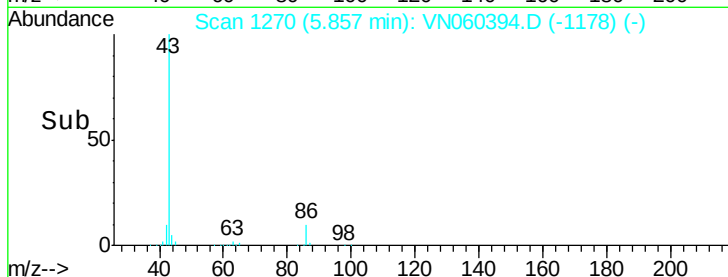
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 18.99 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

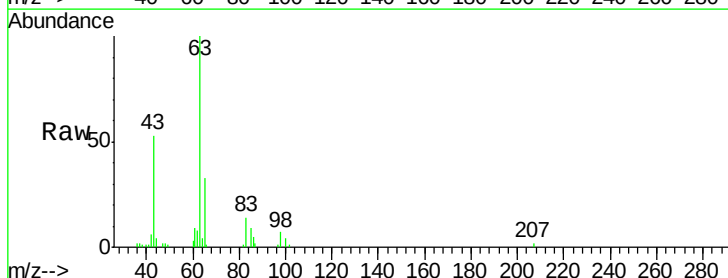
Tgt Ion: 63 Resp: 77246

Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.0

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.81

30000

25000

20000

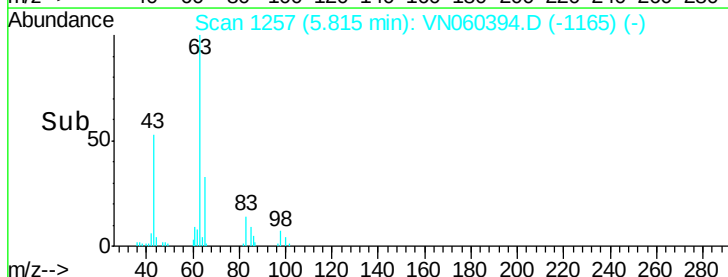
15000

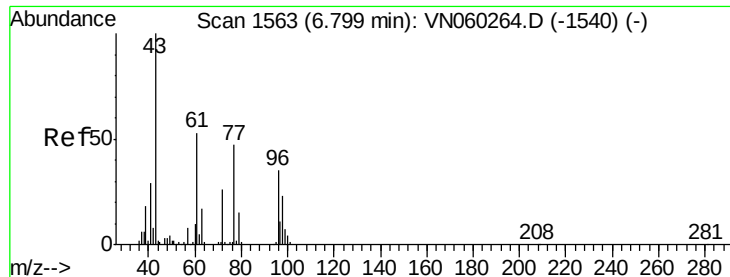
10000

5000

0

Time--> 5.70 5.80 5.90





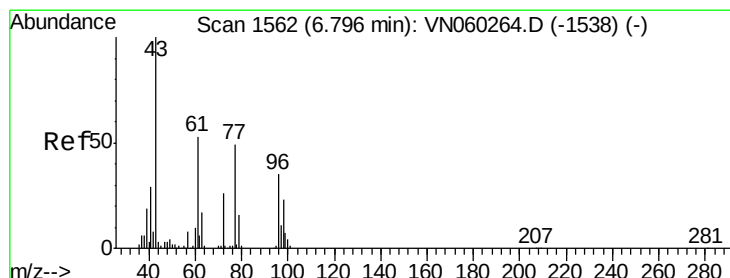
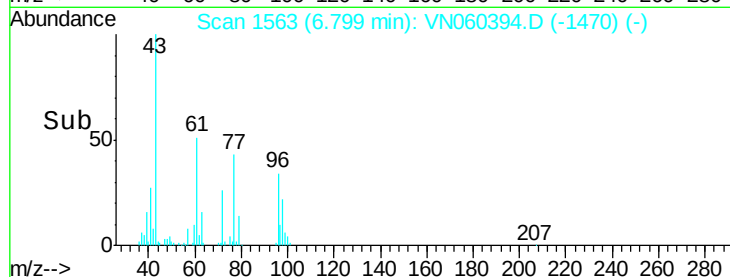
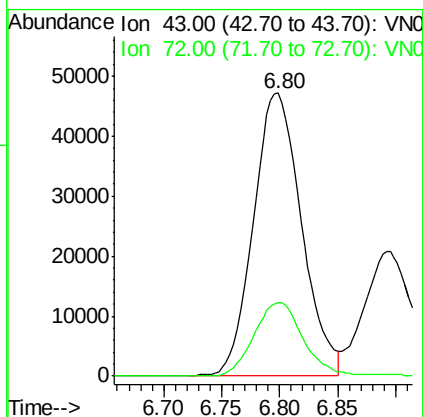
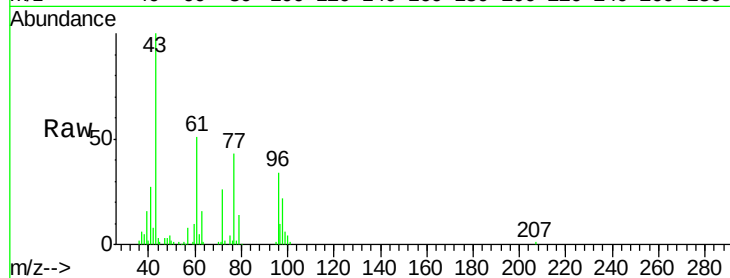
#25
2-Butanone
Concen: 101.83 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0309WBSD01

Tgt Ion: 43 Resp: 136484
Ion Ratio Lower Upper
43 100
72 26.0 20.9 31.3

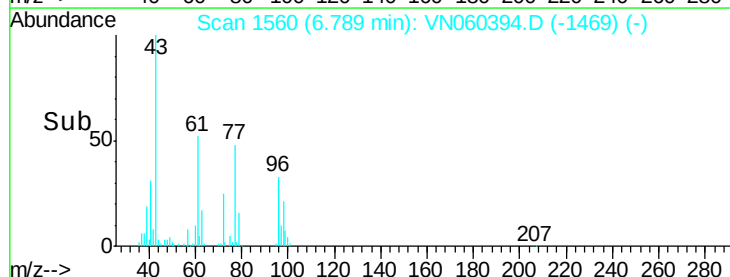
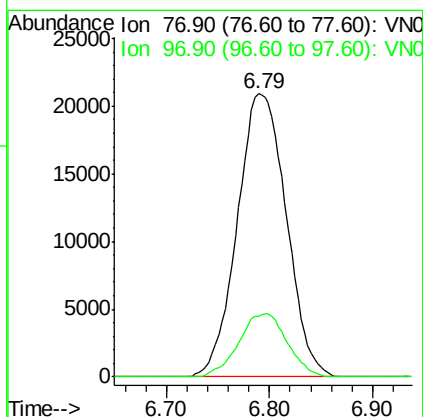
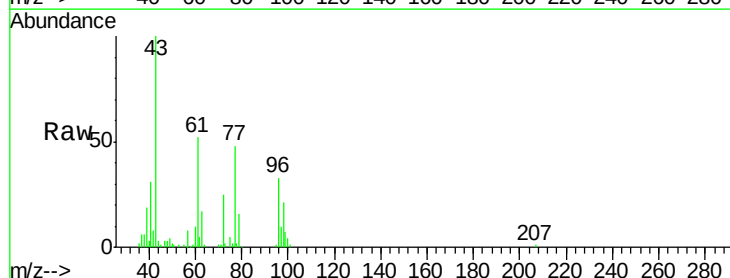
Manual Integrations
APPROVED

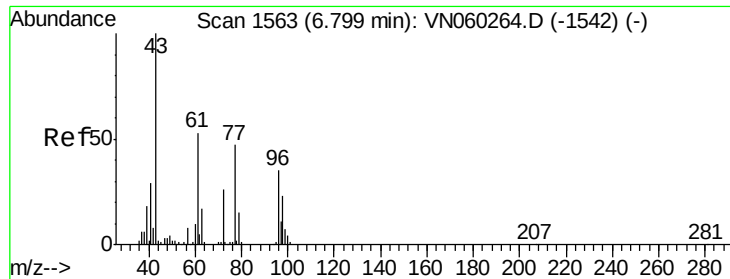
MMDadoda
3/10/2020 10:46:05 AM



#26
2,2-Dichloropropane
Concen: 18.61 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion: 77 Resp: 68907
Ion Ratio Lower Upper
77 100
97 22.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 18.01 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Instrument :

MSVOA_N

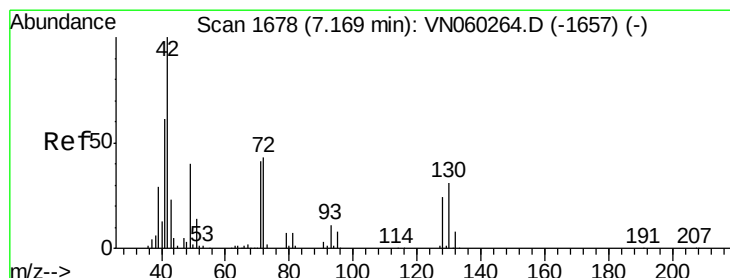
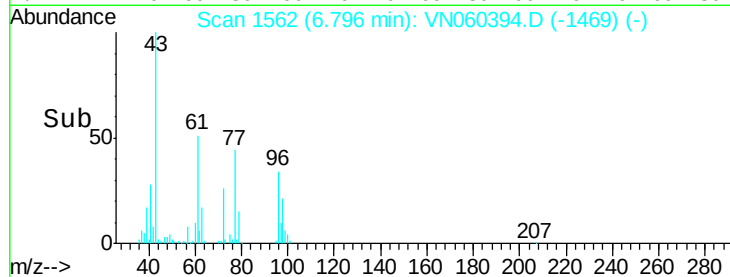
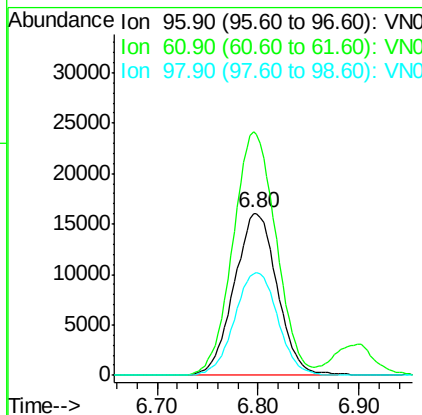
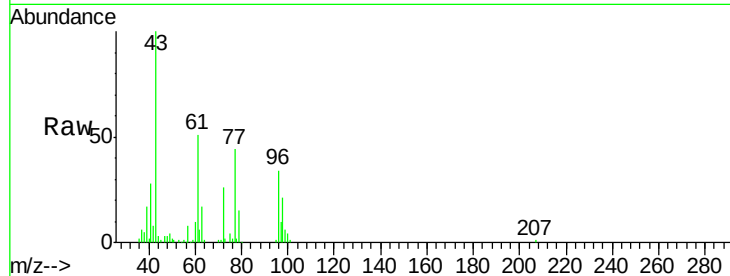
ClientSampleId :

VN0309WBSD01

Tgt Ion:	96	Resp:	47596
Ion	Ratio	Lower	Upper
96	100		
61	150.8	0.0	300.8
98	63.3	0.0	128.2

Manual Integrations
APPROVED

MMDadoda
3/10/2020 10:46:05 AM



#28

Bromochloromethane

Concen: 19.15 ug/l

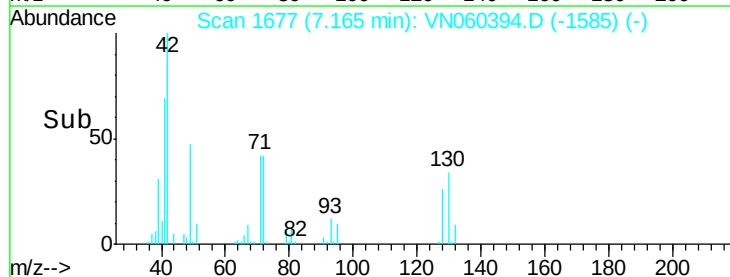
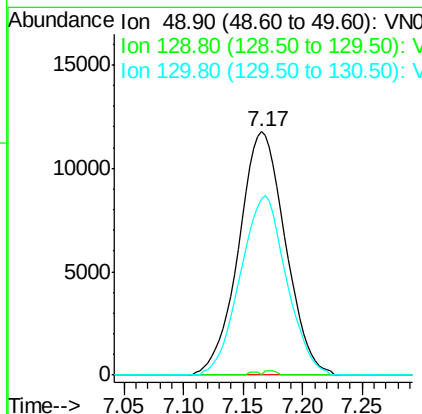
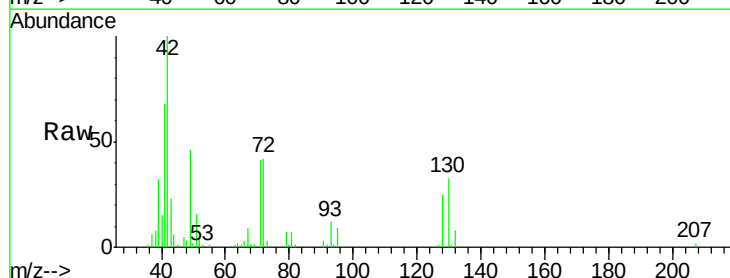
RT: 7.17 min Scan# 1677

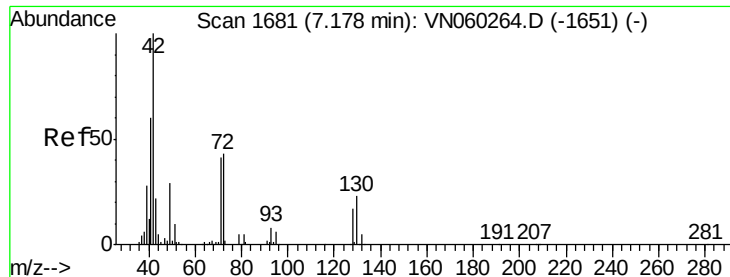
Delta R.T. -0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Tgt Ion:	49	Resp:	31980
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.8
130	72.6	59.8	89.8





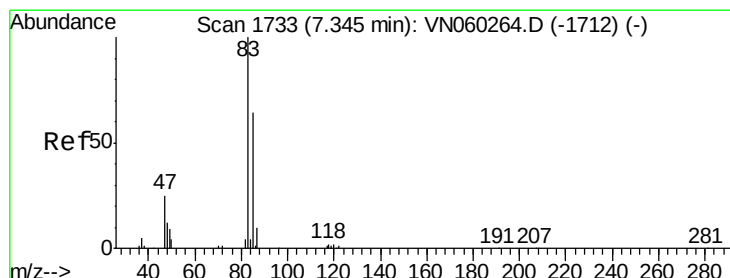
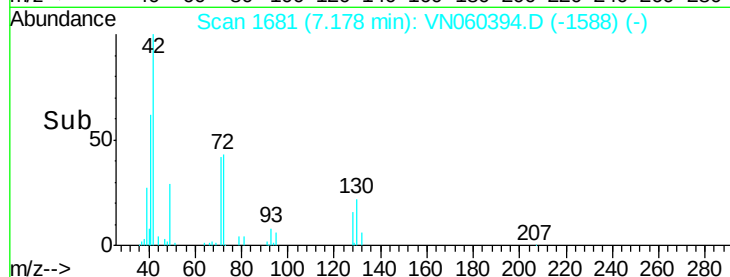
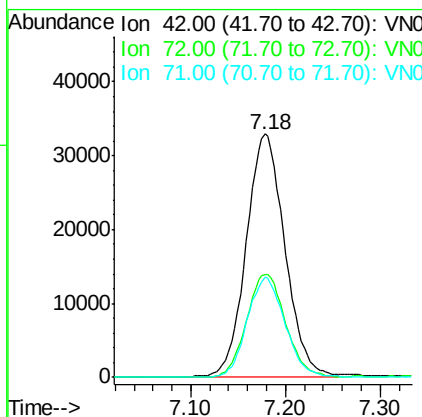
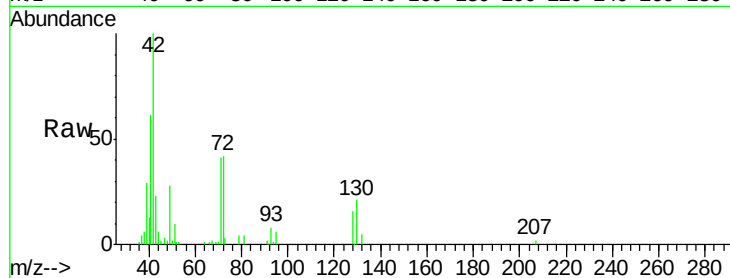
#29
Tetrahydrofuran
Concen: 100.43 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.6	52.0
71	40.0	32.9	49.3

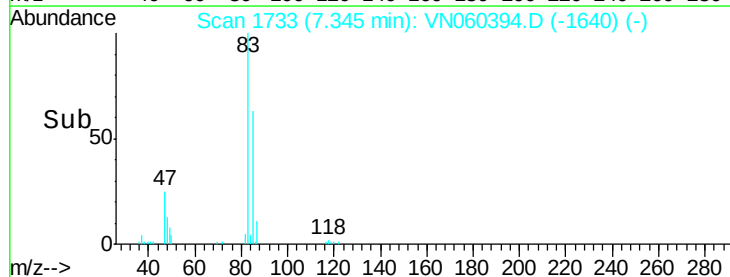
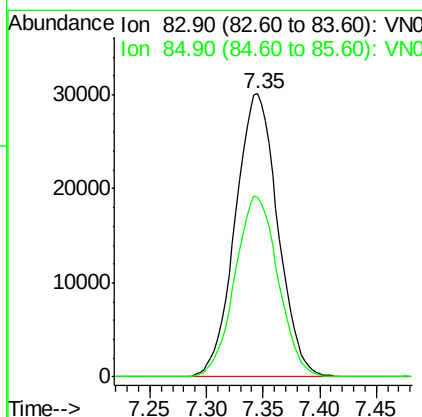
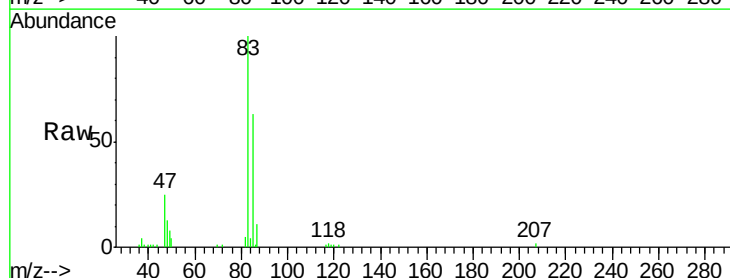
Manual Integrations
APPROVED

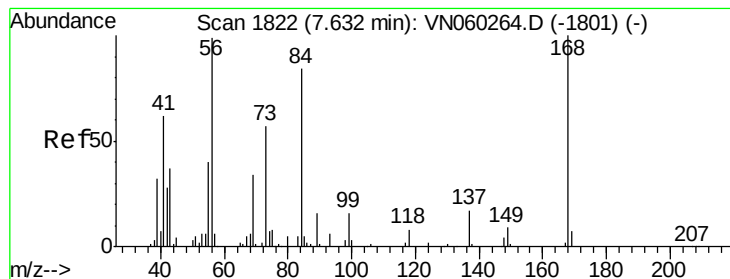
MMDadoda
3/10/2020 10:46:05 AM



#30
Chloroform
Concen: 19.41 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.2





#31

Cyclohexane

Concen: 18.54 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Instrument :

MSVOA_N

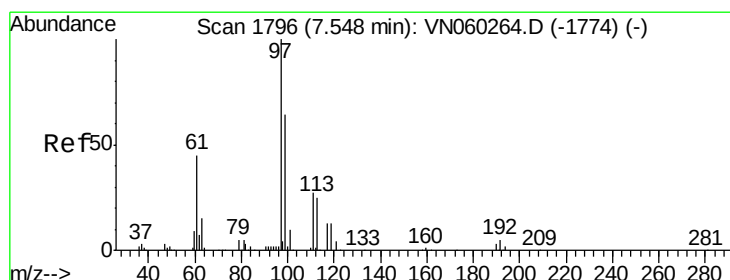
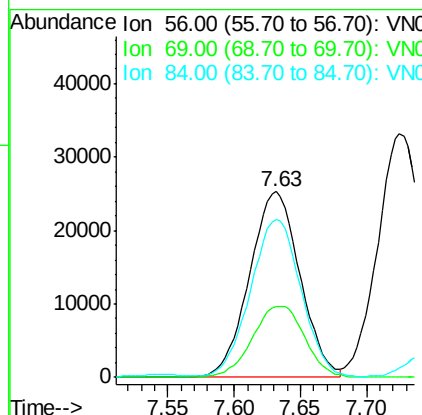
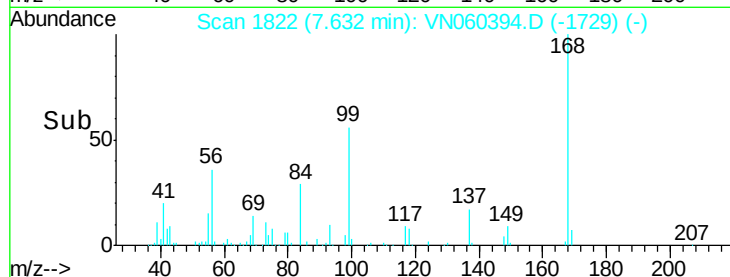
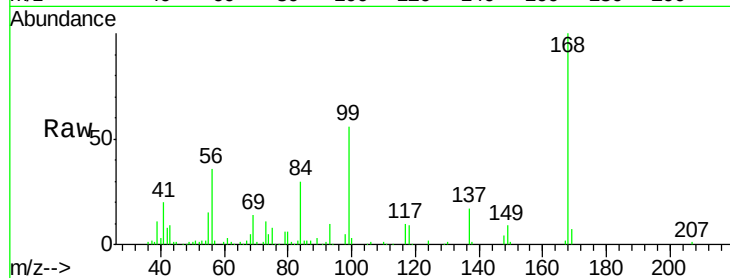
ClientSampled :

VN0309WBSD01

Tgt Ion:	56	Resp:	67283
Ion Ratio	Lower	Upper	
56	100		
69	38.3	27.2	40.8
84	84.2	66.7	100.1

Manual Integrations
APPROVED

MMDadoda
3/10/2020 10:46:05 AM



#32

1,1,1-Trichloroethane

Concen: 18.58 ug/l

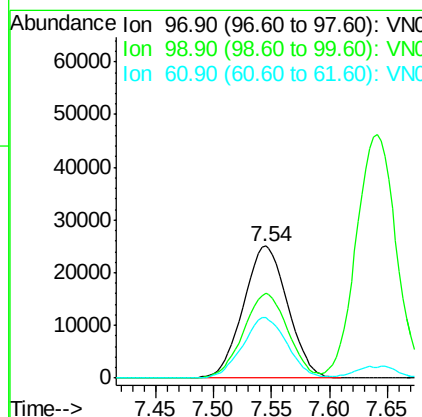
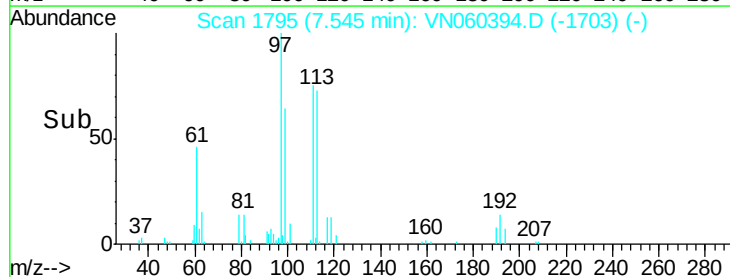
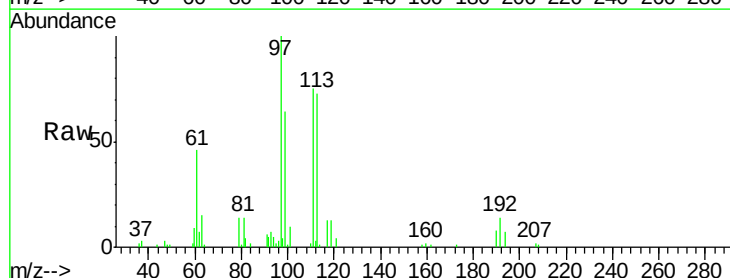
RT: 7.54 min Scan# 1795

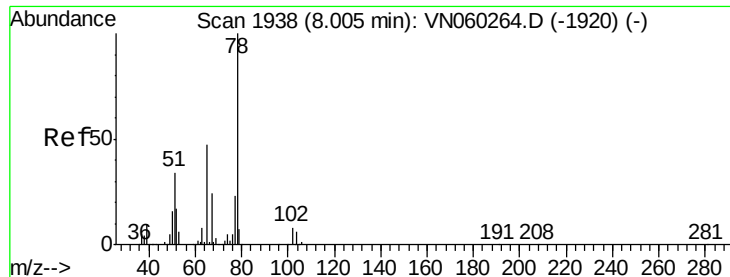
Delta R.T. -0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Tgt Ion:	97	Resp:	66655
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.4	77.0
61	46.0	36.6	55.0





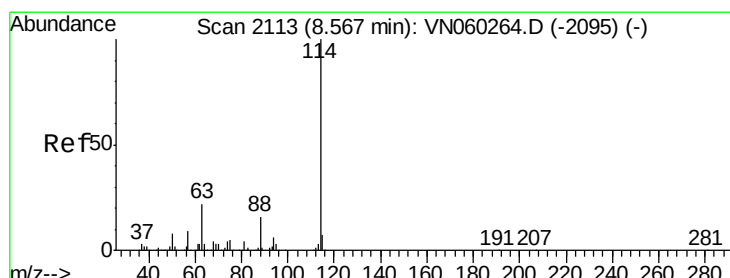
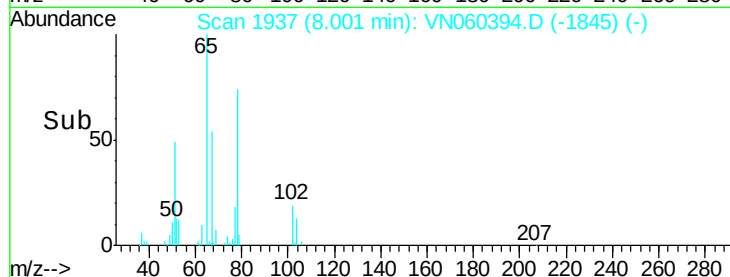
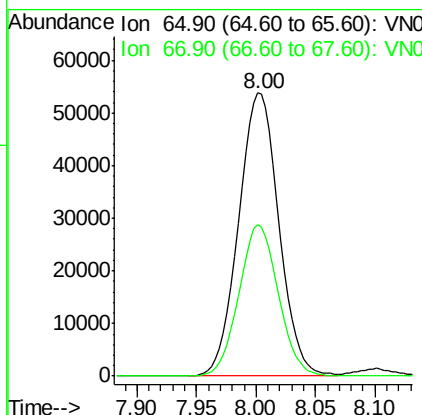
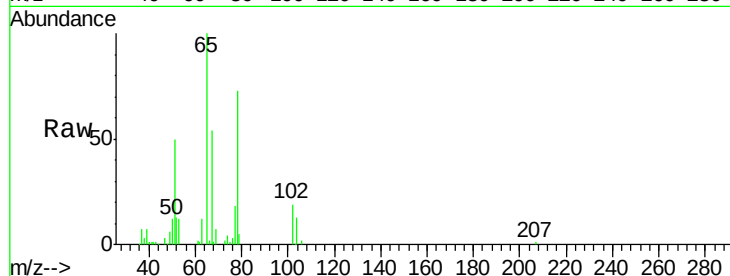
#33
 1,2-Dichloroethane-d4
 Concen: 49.10 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	126157		
67	52.4	0.0	103.8	

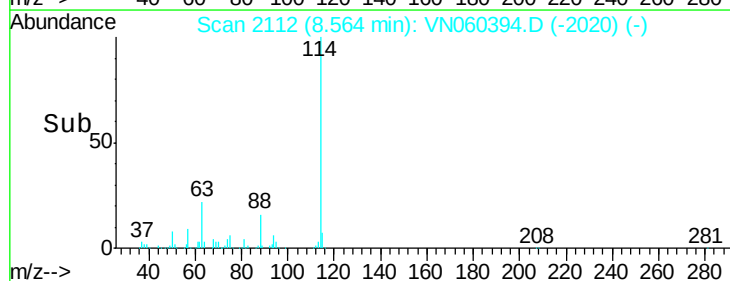
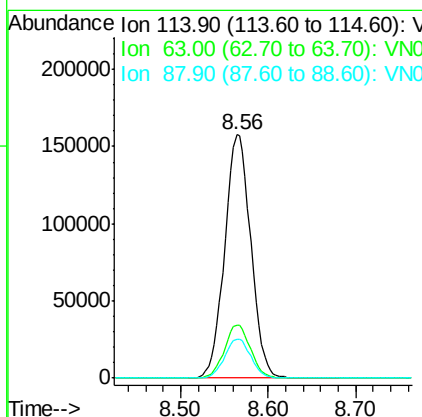
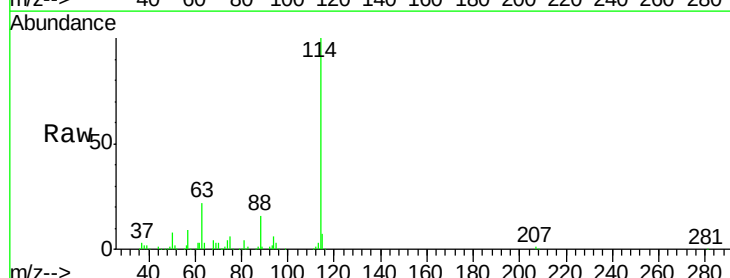
Manual Integrations
 APPROVED

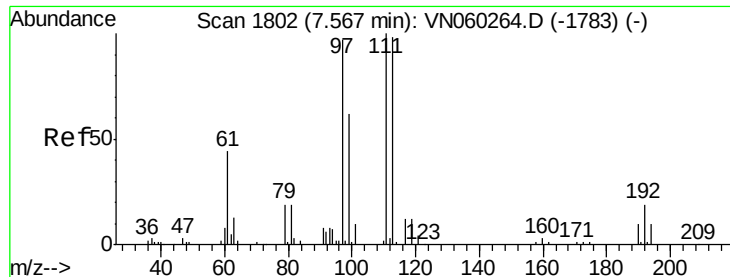
MMDadoda
 3/10/2020 10:46:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	327012		
63	22.0	0.0	43.2	
88	16.0	0.0	31.6	





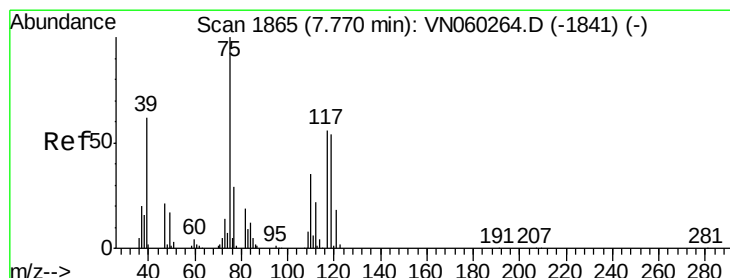
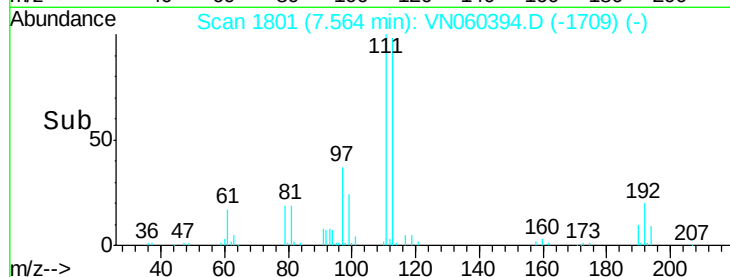
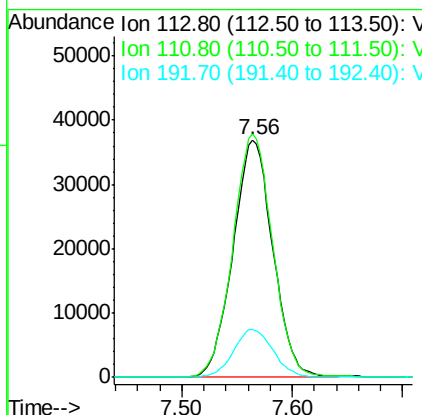
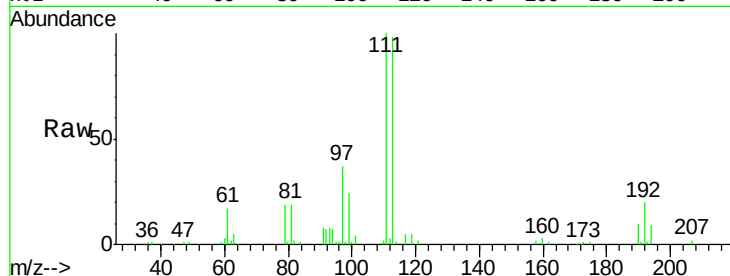
#35
Dibromofluoromethane
Concen: 60.75 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	20.1	16.2	24.2

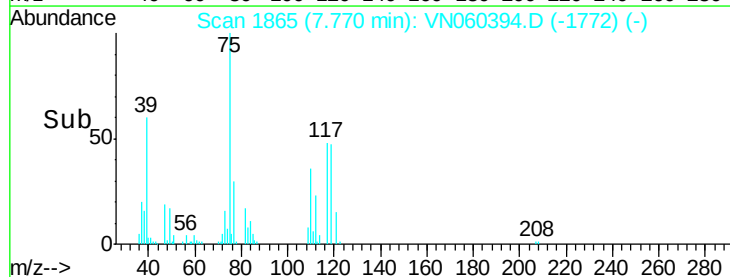
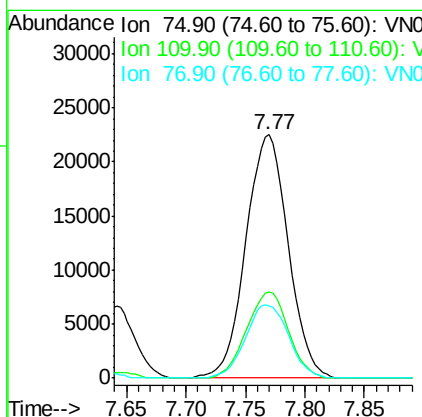
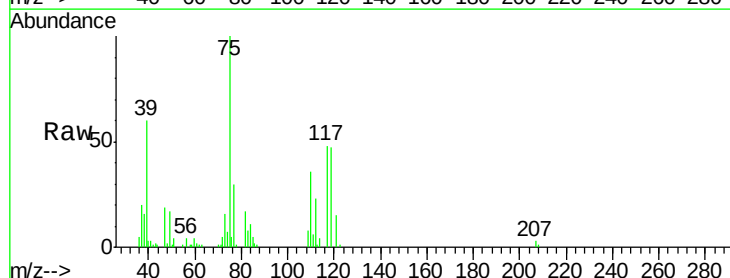
Manual Integrations
APPROVED

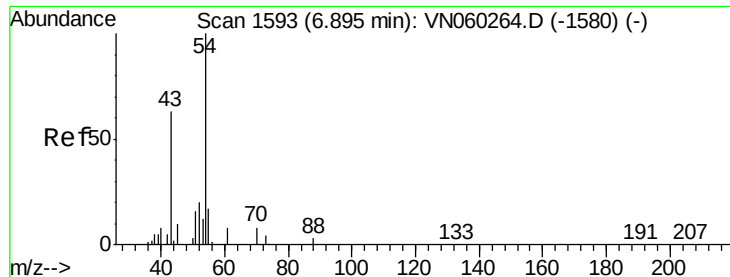
MMDadoda
3/10/2020 10:46:05 AM



#36
1,1-Dichloropropene
Concen: 17.78 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.3	52.0
77	30.6	24.2	36.2





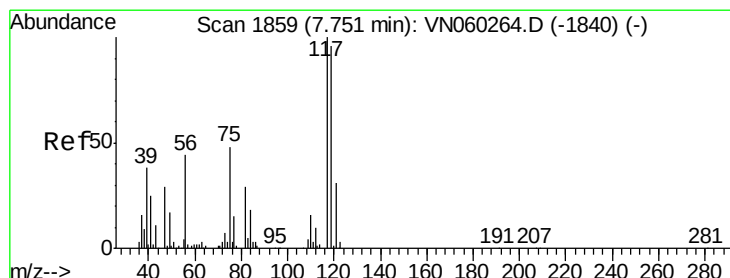
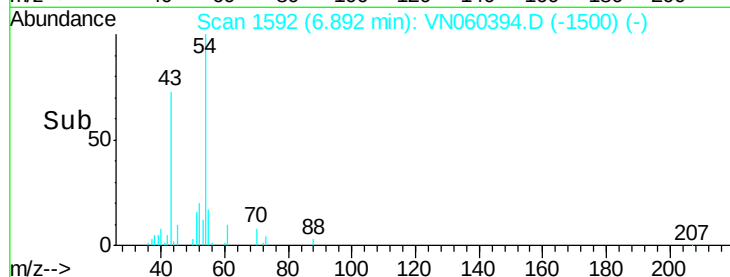
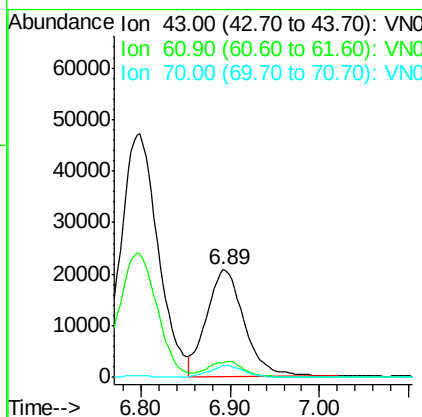
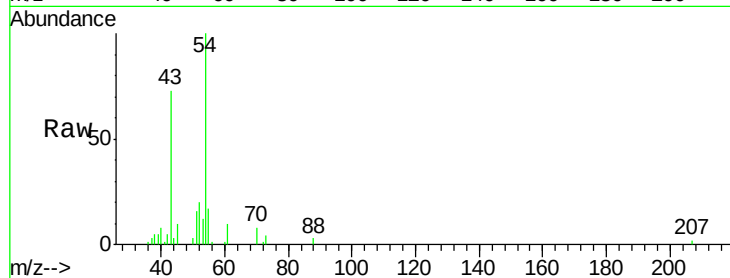
#37
Ethyl Acetate
Concen: 20.69 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.1	16.7
70	9.8	8.4	12.6

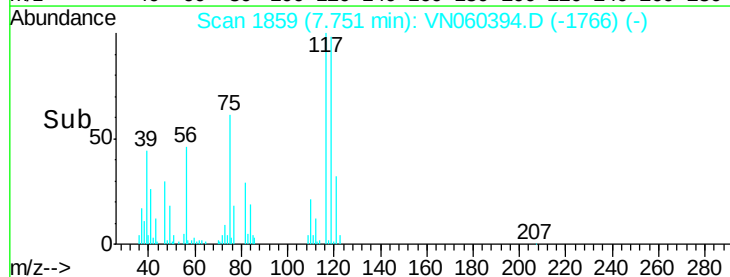
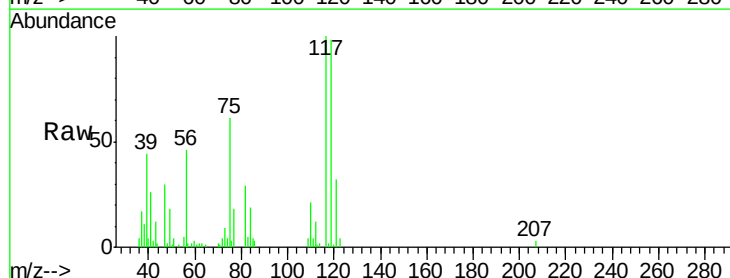
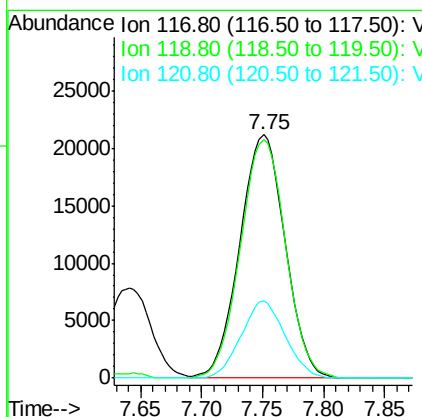
Manual Integrations
APPROVED

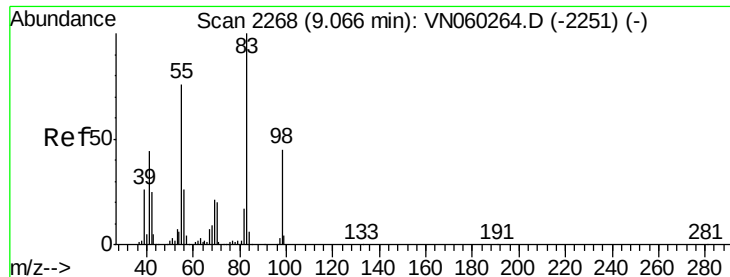
MMDadoda
3/10/2020 10:46:05 AM



#38
Carbon Tetrachloride
Concen: 17.98 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	76.7	115.1
121	31.7	24.5	36.7





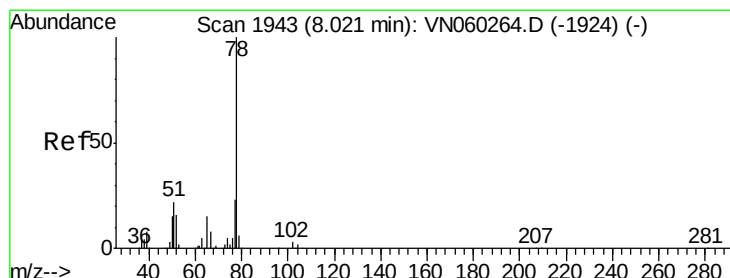
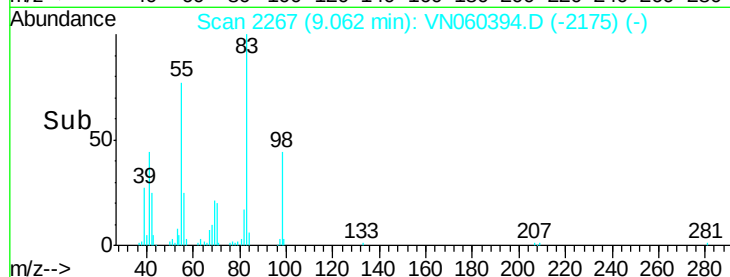
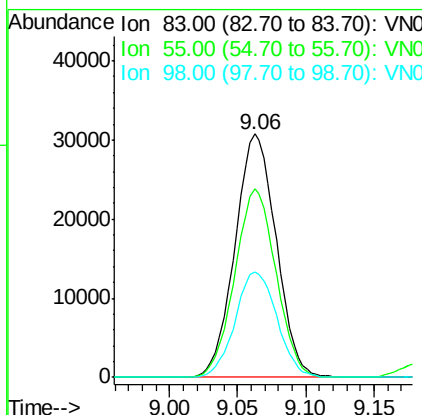
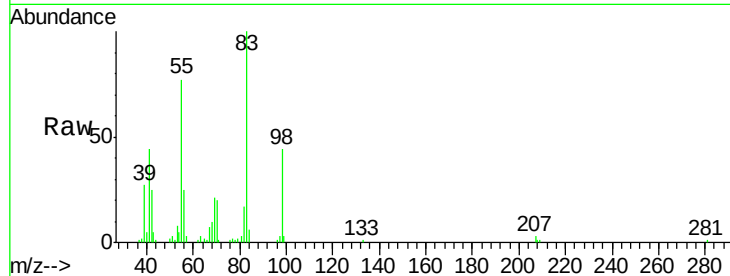
#39
Methylcyclohexane
Concen: 17.53 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.0	91.4
98	43.5	36.1	54.1

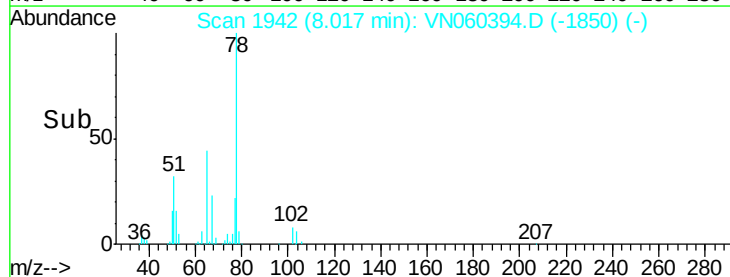
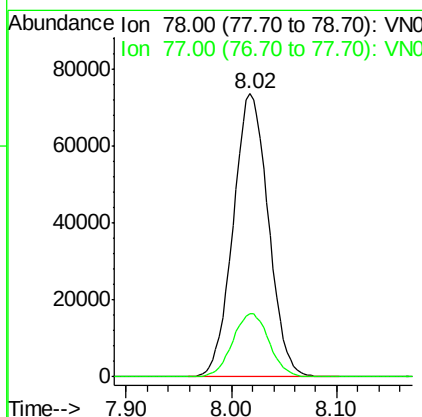
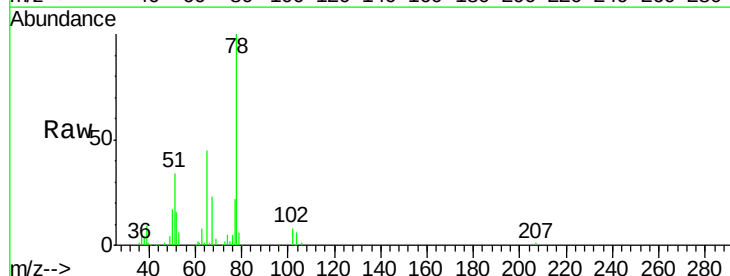
Manual Integrations
APPROVED

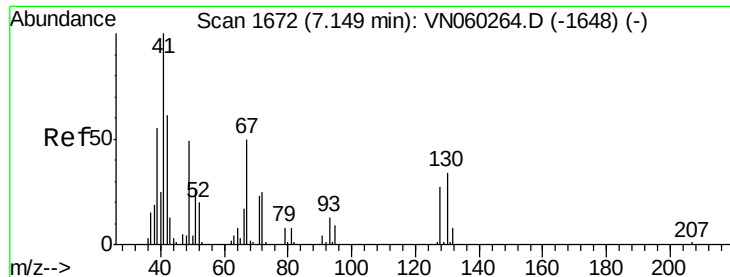
MMDadoda
3/10/2020 10:46:05 AM



#40
Benzene
Concen: 18.83 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.8	28.2





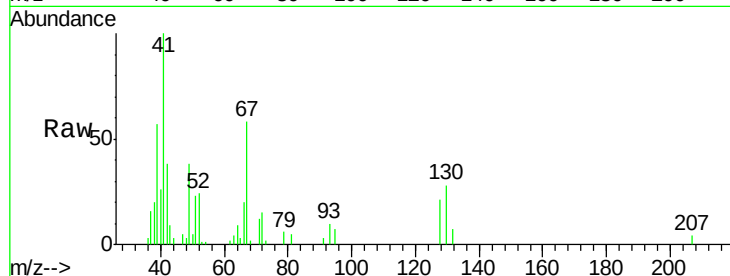
#41
Methacrylonitrile
Concen: 17.44 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

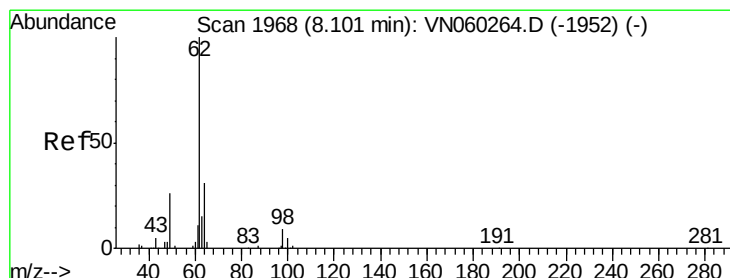
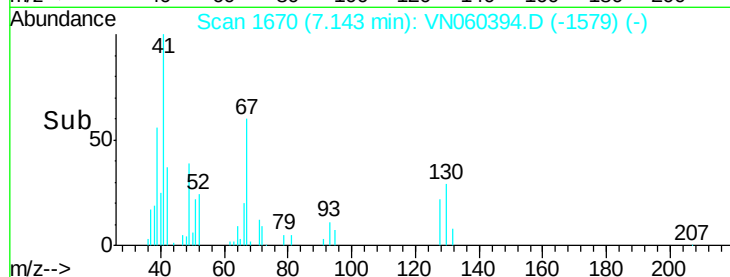
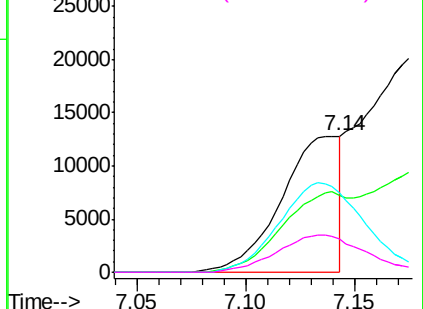
Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
3/10/2020 10:46:05 AM

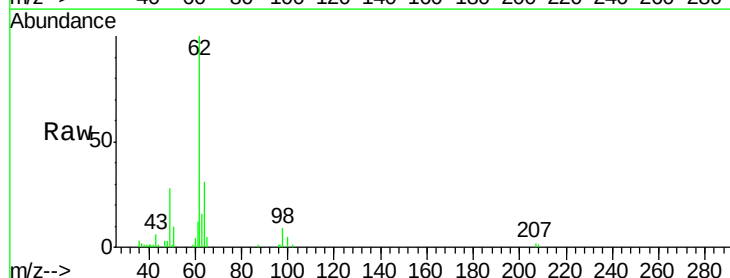


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

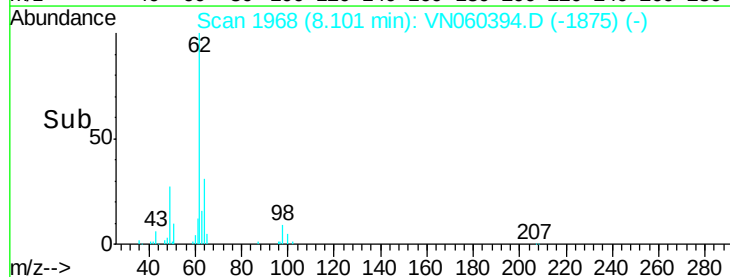
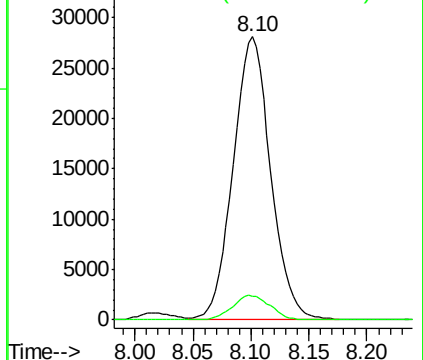


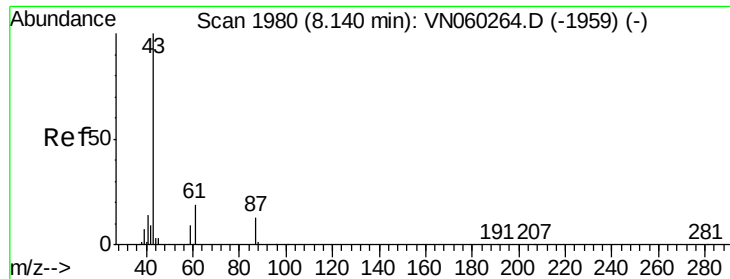
#42
1,2-Dichloroethane
Concen: 19.33 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





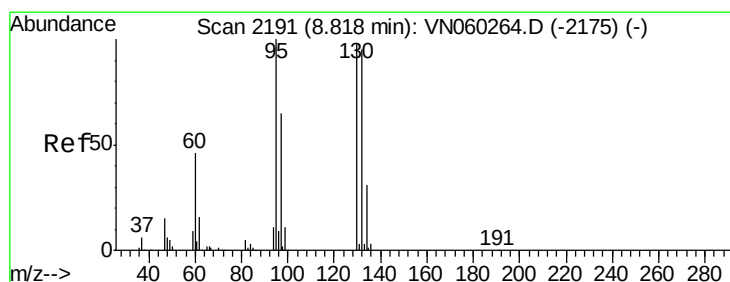
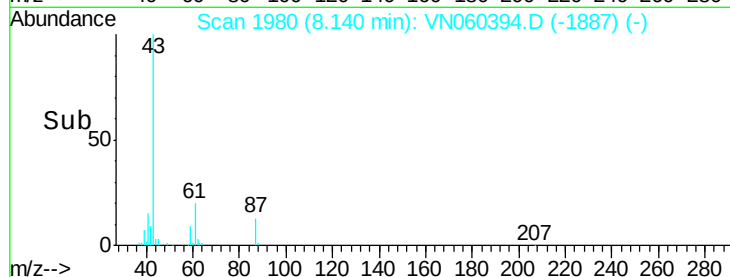
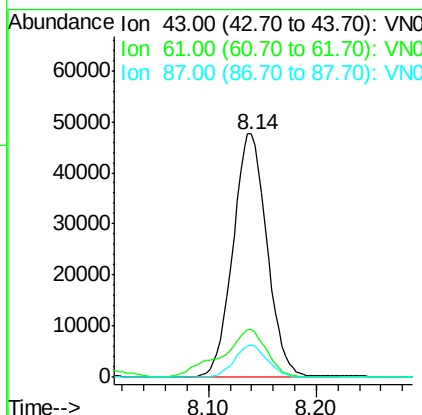
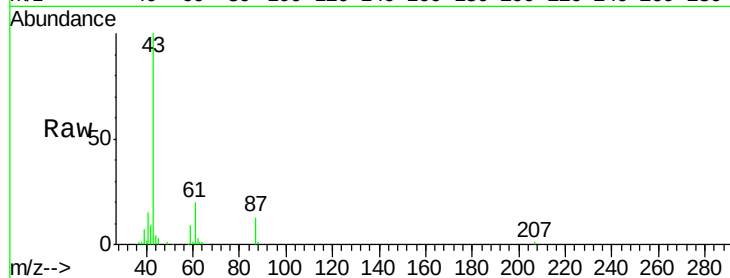
#43
Isopropyl Acetate
Concen: 20.31 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.9	31.3
87	12.6	10.6	16.0

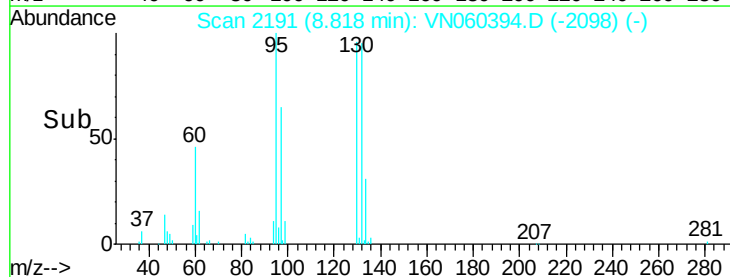
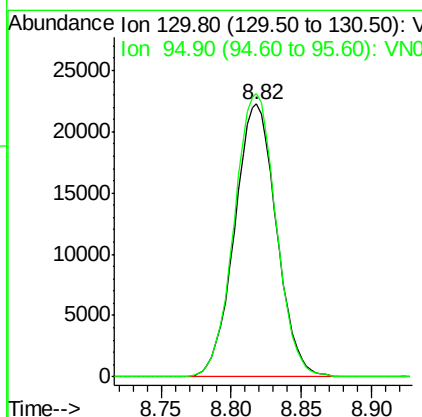
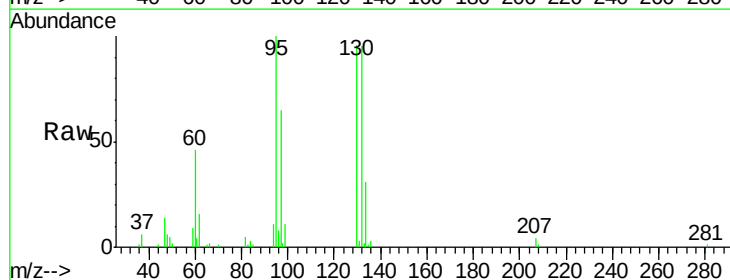
Manual Integrations
APPROVED

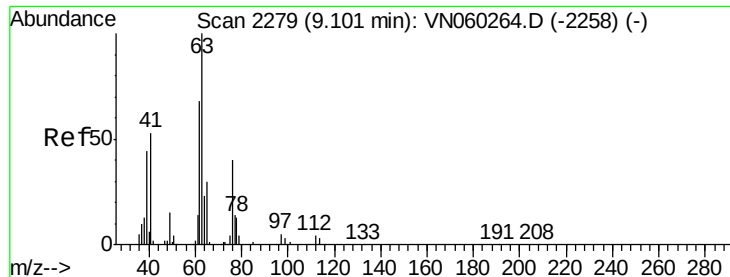
MMDadoda
3/10/2020 10:46:05 AM



#44
Trichloroethene
Concen: 18.28 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	203.4





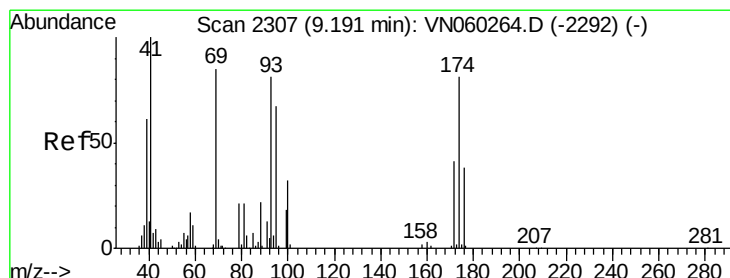
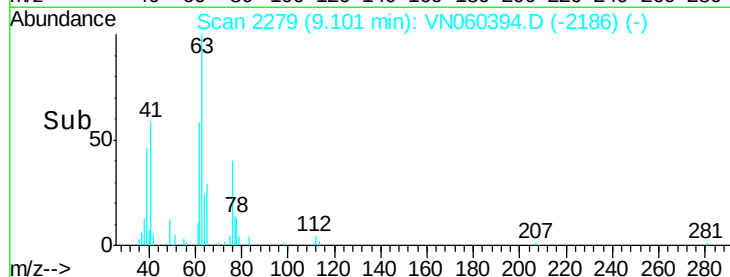
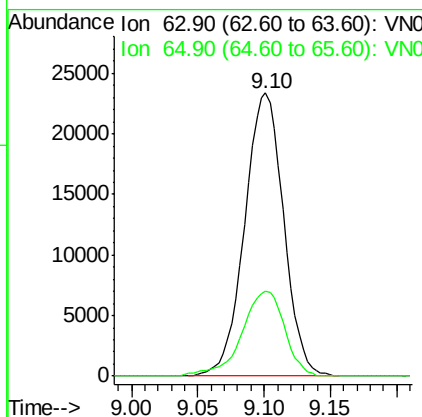
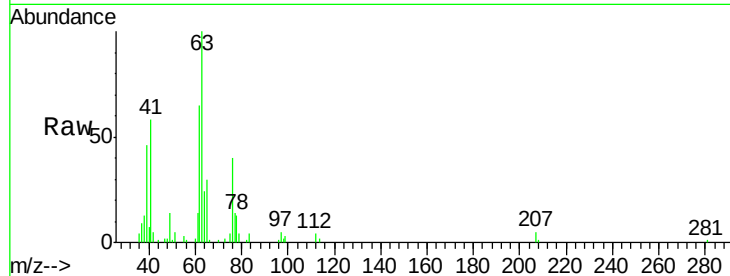
#45
 1,2-Dichloropropane
 Concen: 20.21 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBSD01

Tgt Ion: 63 Resp: 47939
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.4 36.6

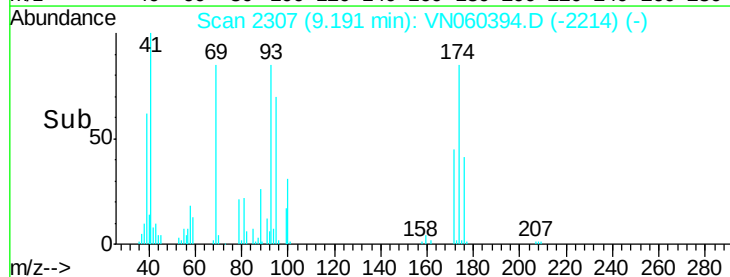
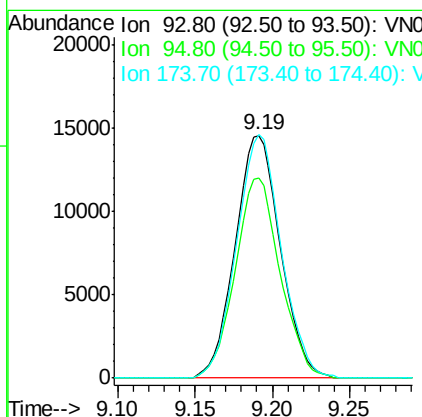
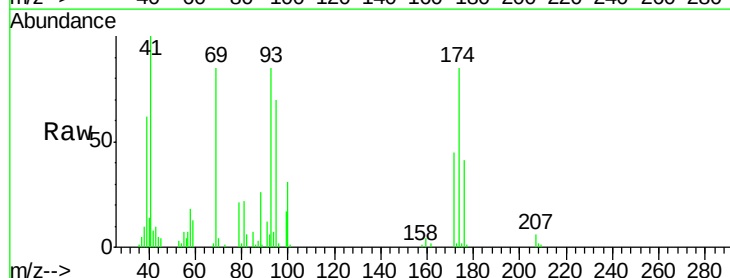
Manual Integrations
 APPROVED

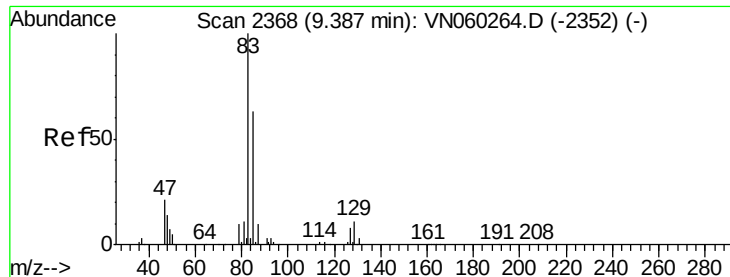
MMDadoda
 3/10/2020 10:46:05 AM



#46
 Dibromomethane
 Concen: 19.17 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Tgt Ion: 93 Resp: 29500
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.9 98.9
 174 99.3 79.6 119.4





#47

Bromodichloromethane

Concen: 19.55 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Instrument :

MSVOA_N

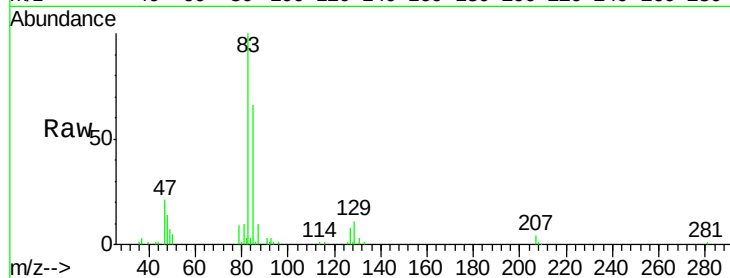
ClientSampleId :

VN0309WBSD01

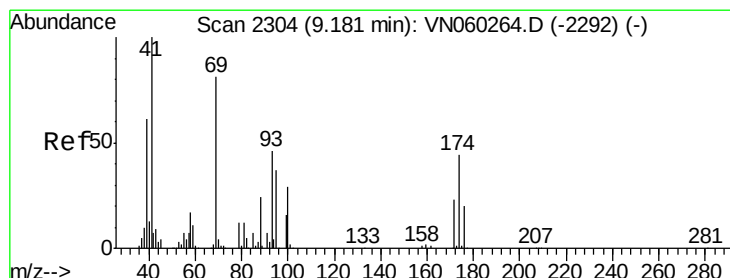
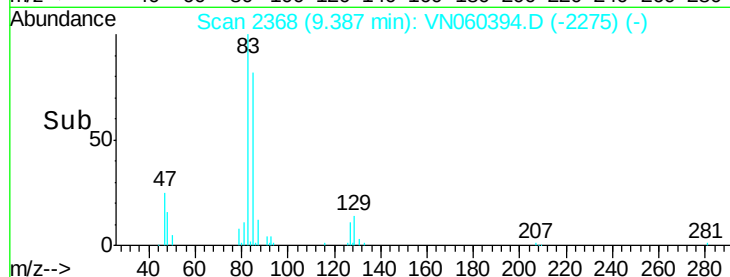
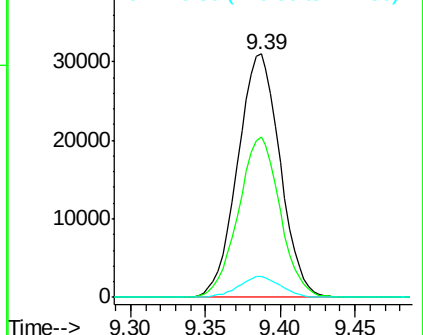
Tgt Ion:	83	Resp:	61177
Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.7	76.1
127	8.5	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
3/10/2020 10:46:05 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060394.D (-2275) (-)



#48

Methyl methacrylate

Concen: 18.75 ug/l

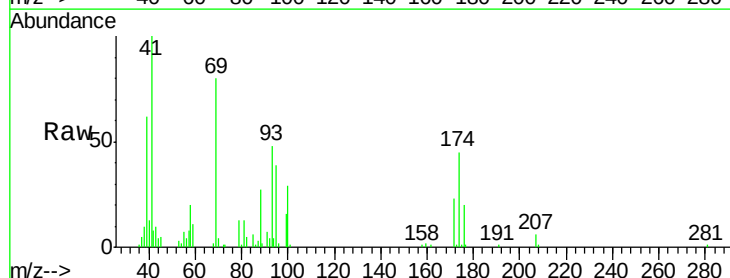
RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

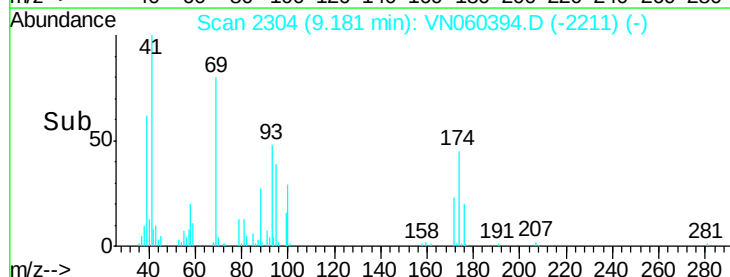
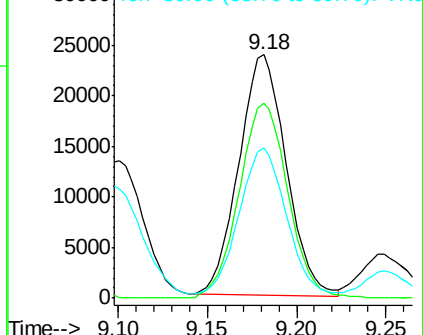
Lab File: VN060394.D

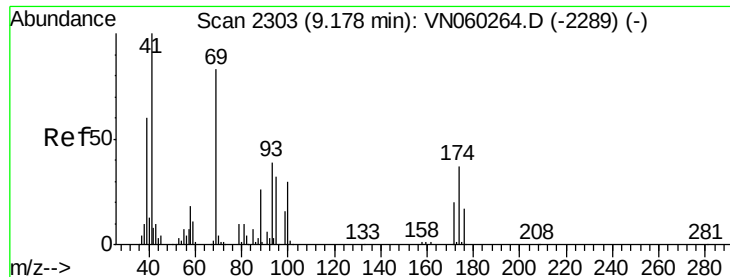
Acq: 9 Mar 2020 11:47

Tgt Ion:	41	Resp:	44176
Ion	Ratio	Lower	Upper
41	100		
69	83.3	66.7	100.1
39	63.6	50.1	75.1



Abundance Ion 41.00 (40.70 to 41.70): VN060394.D (-2211) (-)





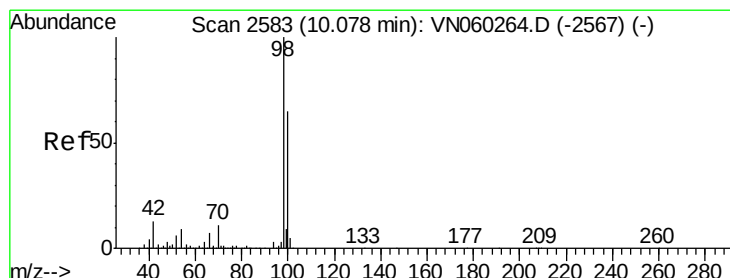
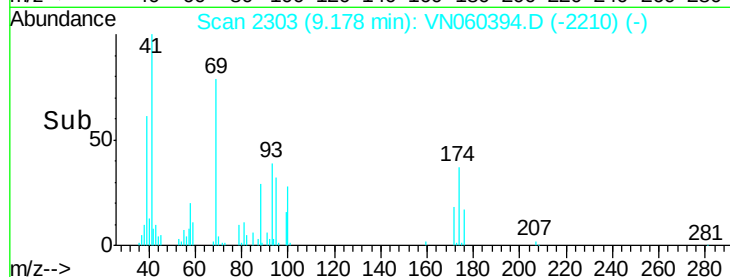
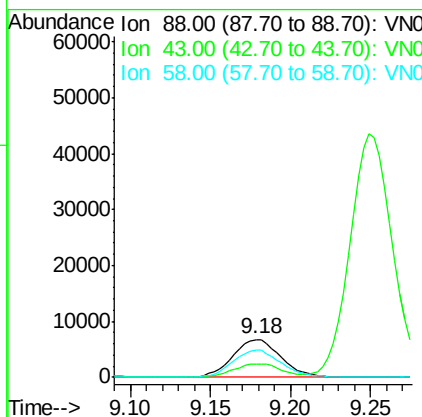
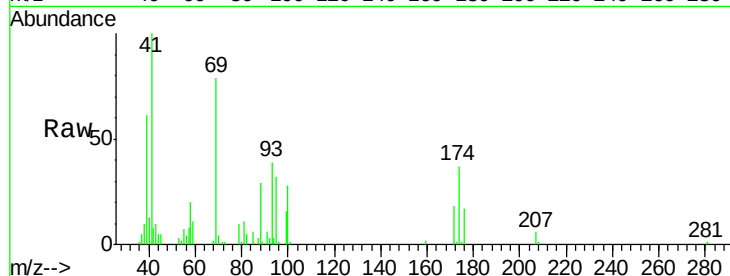
#49
1,4-Dioxane
Concen: 419.65 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.8	30.4	45.6
58	71.6	57.0	85.6

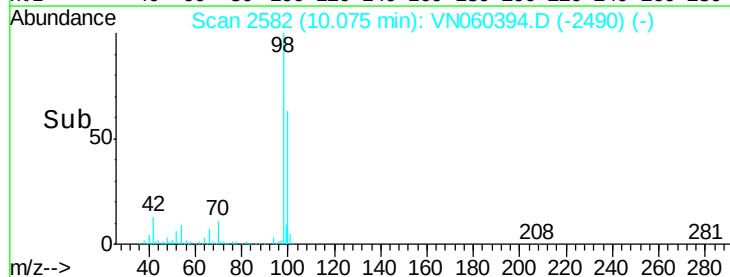
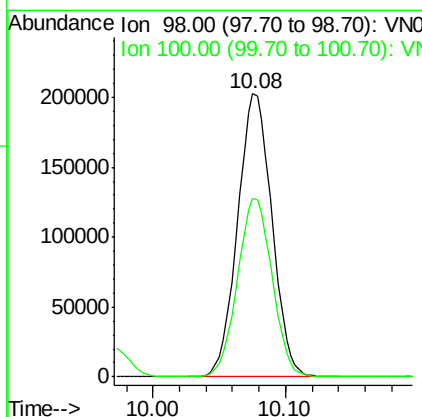
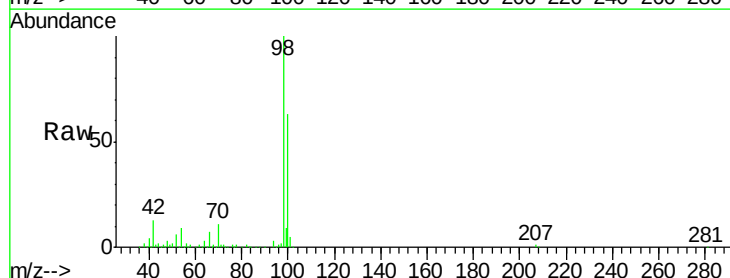
Manual Integrations
APPROVED

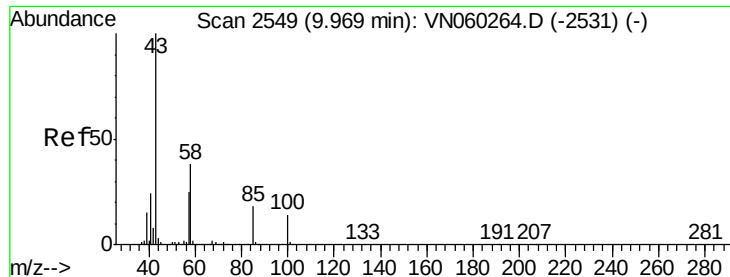
MMDadoda
3/10/2020 10:46:05 AM



#50
Toluene-d8
Concen: 47.42 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.2	78.2





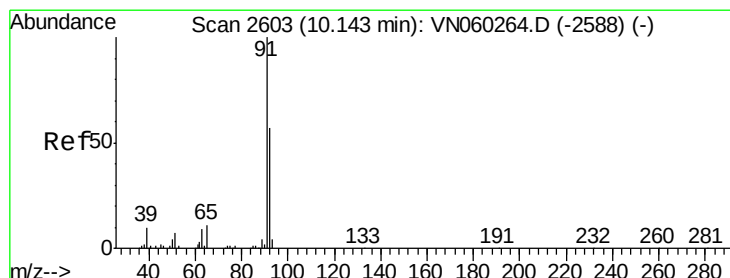
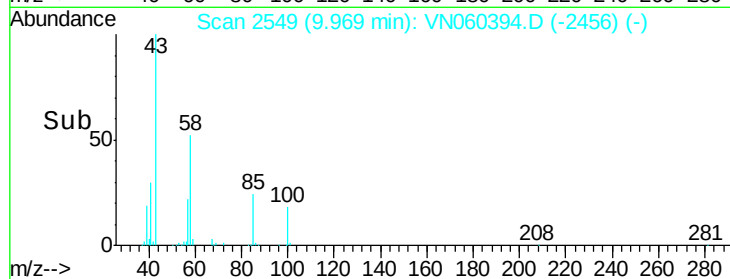
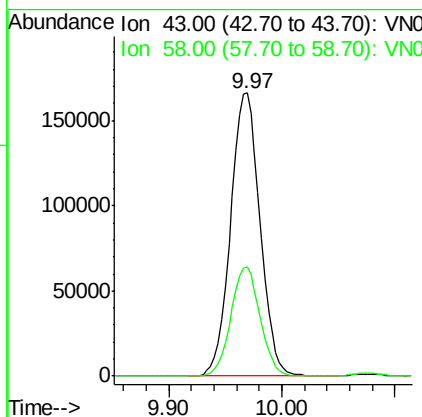
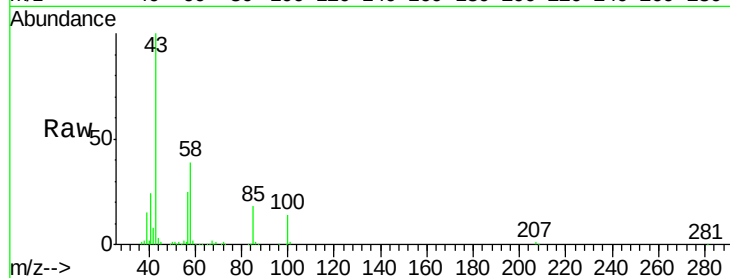
#51
 4-Methyl-2-Pentanone
 Concen: 102.56 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.9	46.3

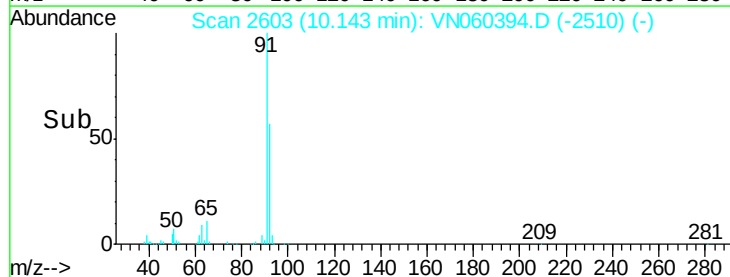
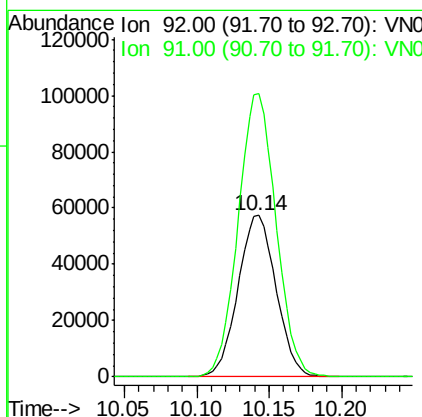
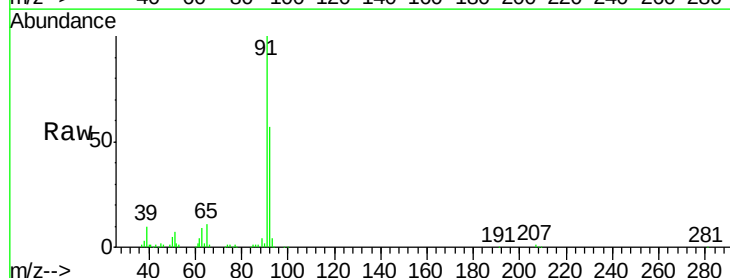
Manual Integrations
 APPROVED

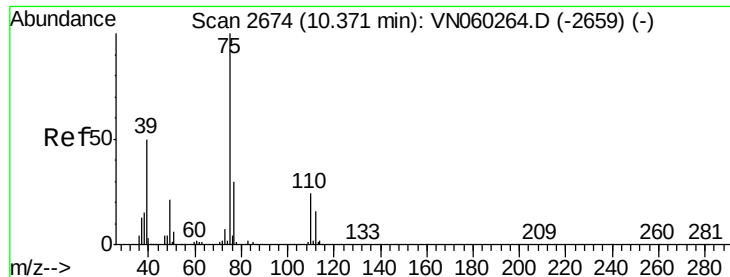
MMDadoda
 3/10/2020 10:46:05 AM



#52
 Toluene
 Concen: 18.35 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.2	138.1	207.1





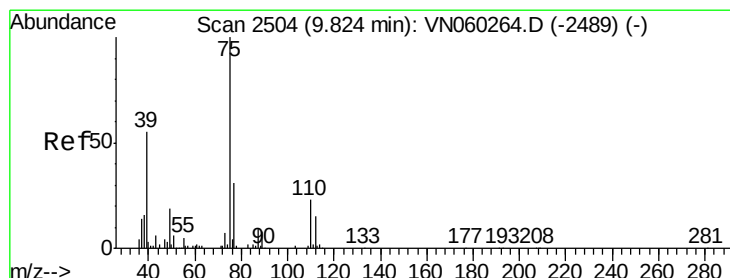
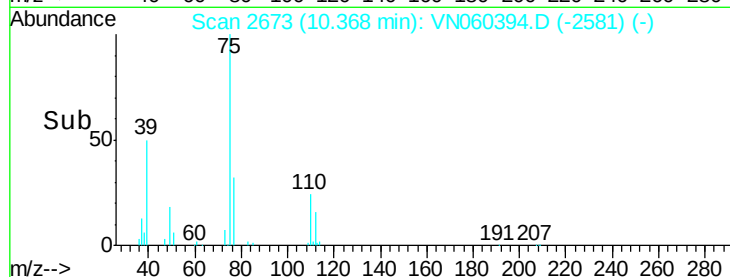
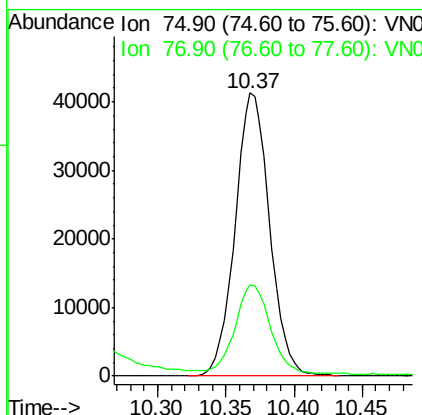
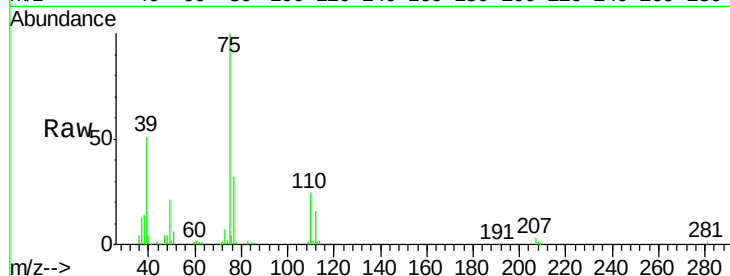
#53
t-1,3-Dichloropropene
Concen: 18.90 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion: 75 Resp: 72469
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2

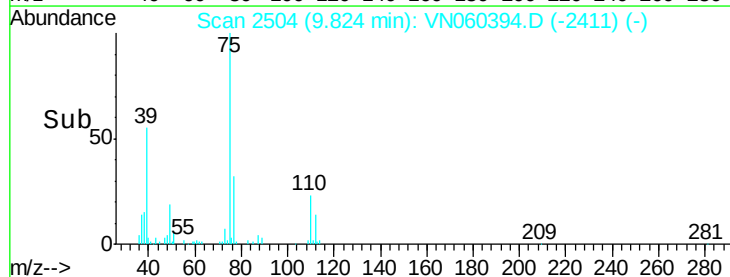
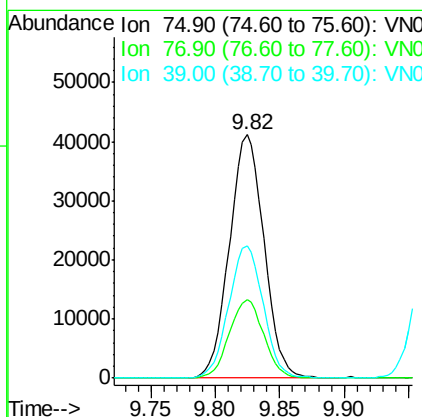
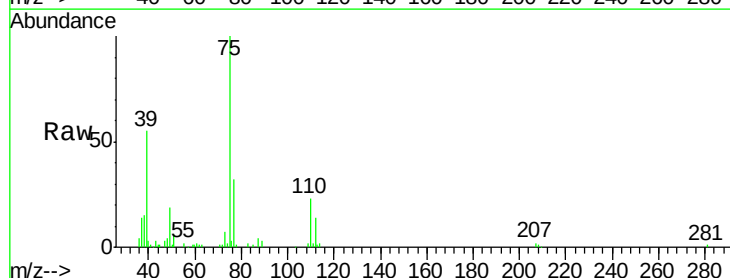
Manual Integrations
APPROVED

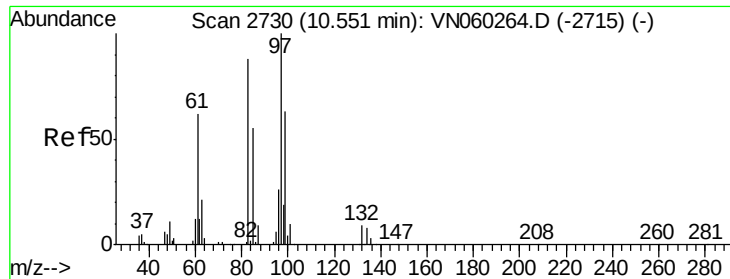
MMDadoda
3/10/2020 10:46:05 AM



#54
cis-1,3-Dichloropropene
Concen: 19.32 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion: 75 Resp: 76758
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2
39 54.5 43.8 65.8





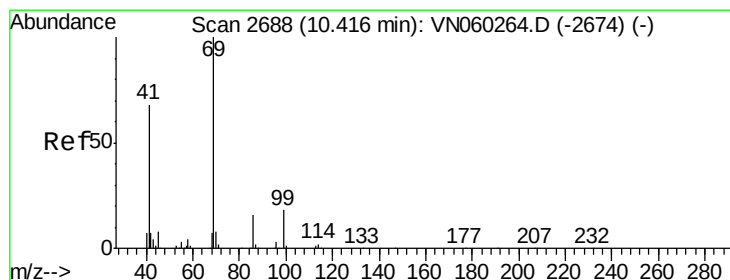
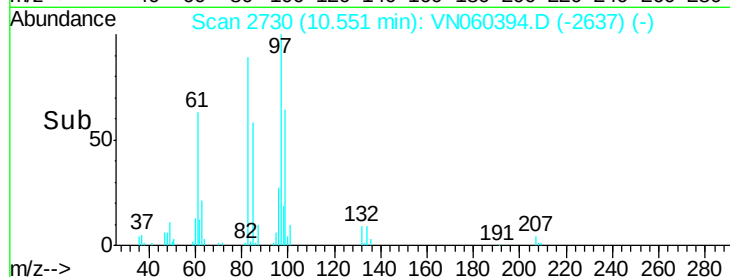
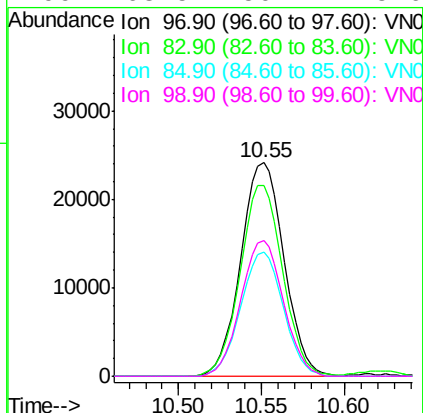
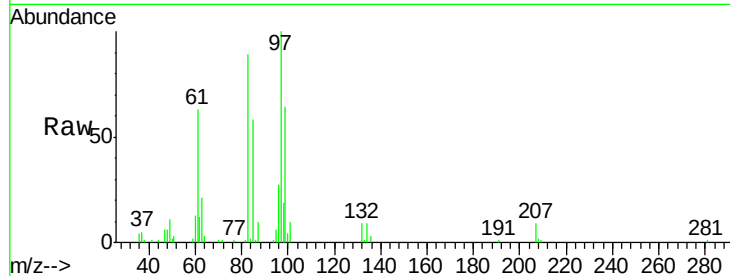
#55
 1,1,2-Trichloroethane
 Concen: 19.13 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.0	105.0
85	57.8	44.0	66.0
99	63.5	50.4	75.6

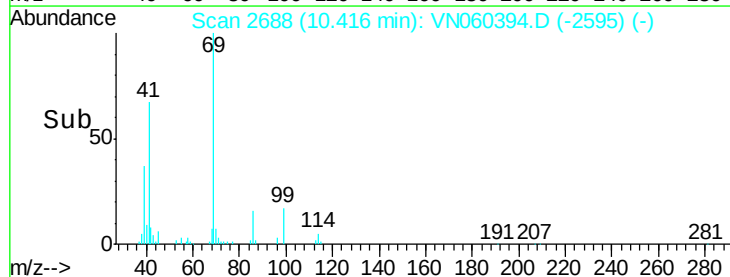
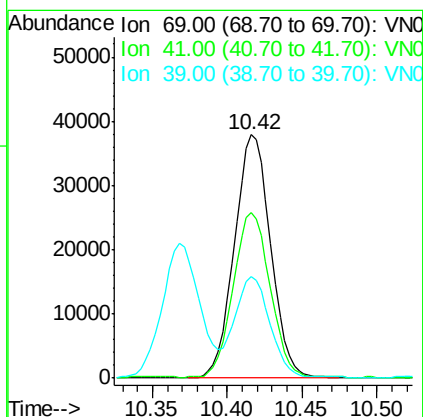
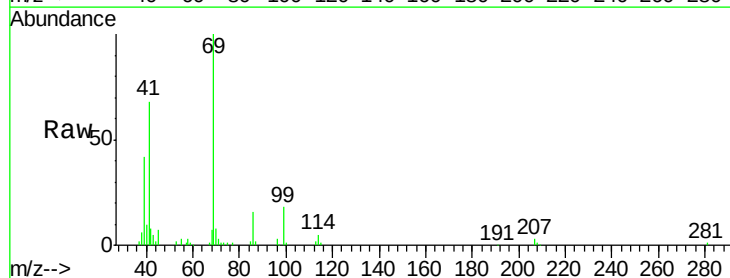
Manual Integrations
 APPROVED

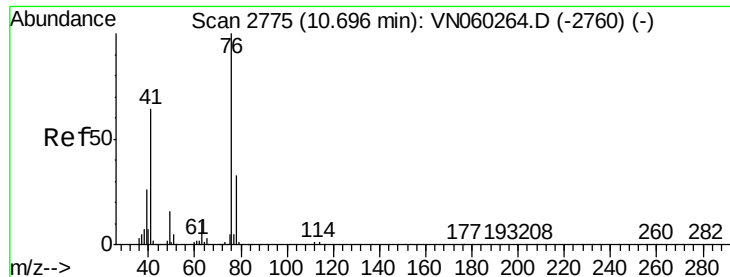
MMDadoda
 3/10/2020 10:46:05 AM



#56
 Ethyl methacrylate
 Concen: 19.43 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.8	54.1	81.1
39	40.4	32.5	48.7





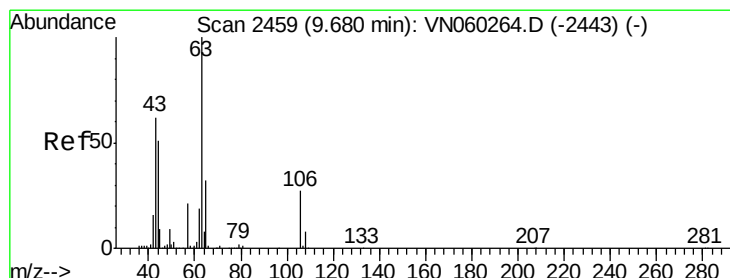
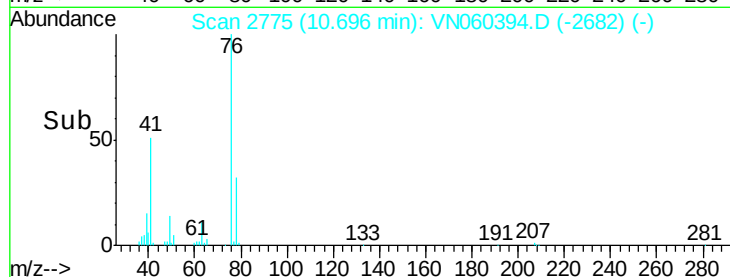
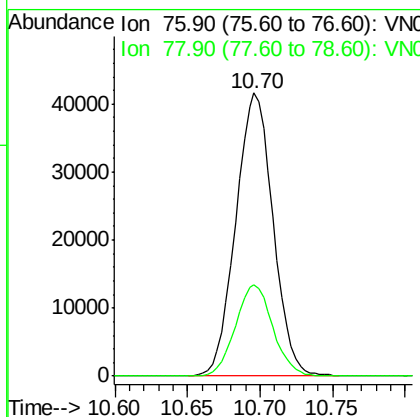
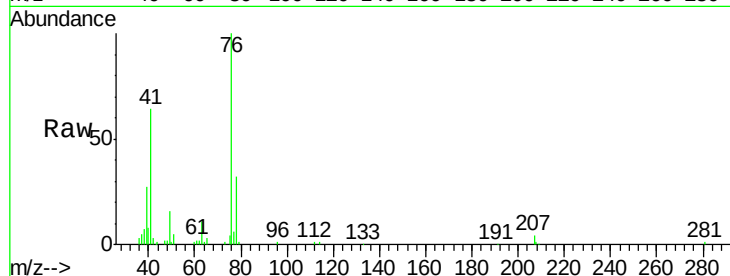
#57
 1,3-Dichloropropane
 Concen: 19.87 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBSD01

Tgt Ion: 76 Resp: 74257
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2

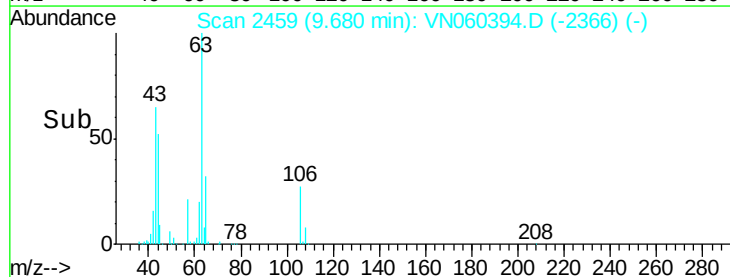
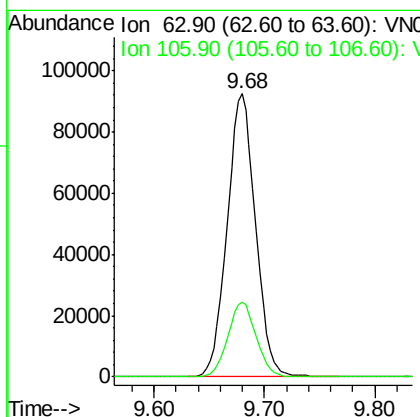
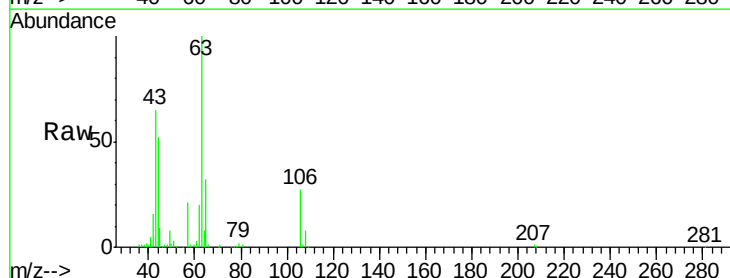
Manual Integrations
 APPROVED

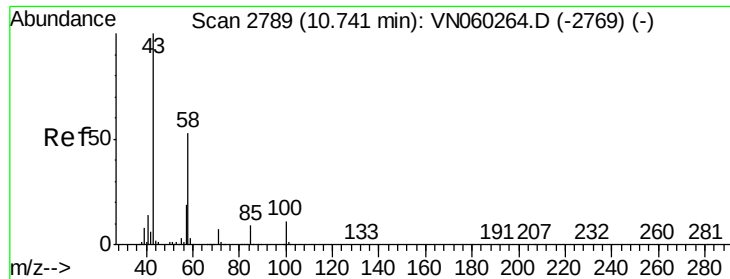
MMDadoda
 3/10/2020 10:46:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.52 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Tgt Ion: 63 Resp: 164468
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.1 31.7





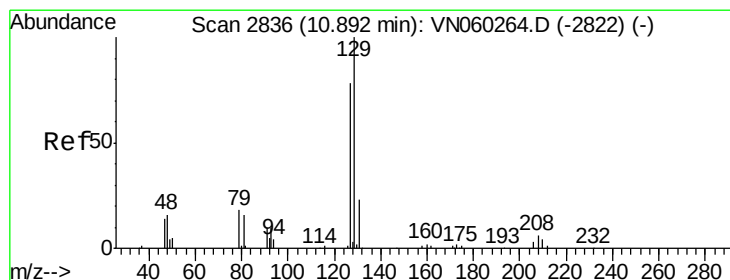
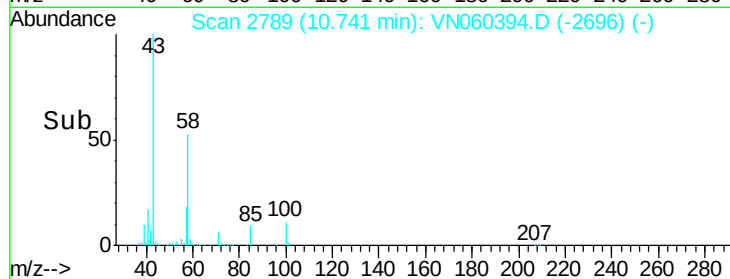
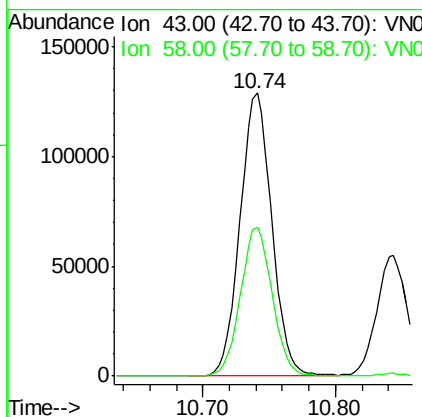
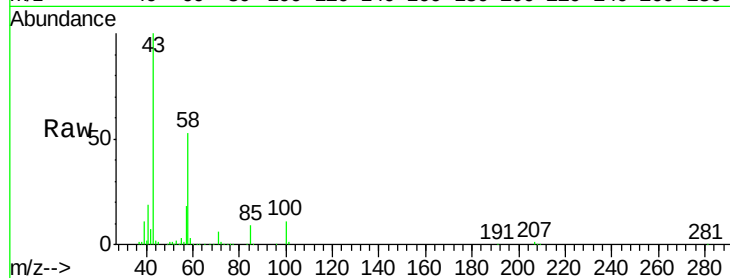
#59
2-Hexanone
Concen: 99.77 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion: 43 Resp: 214578
Ion Ratio Lower Upper
43 100
58 52.8 26.5 79.5

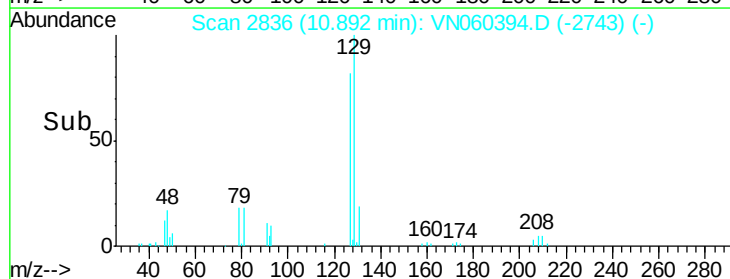
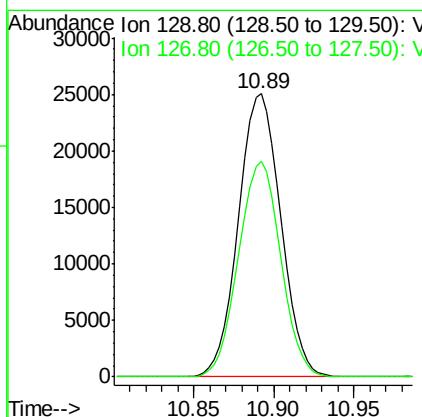
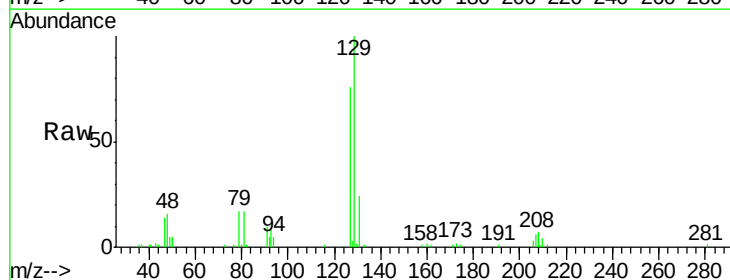
Manual Integrations
APPROVED

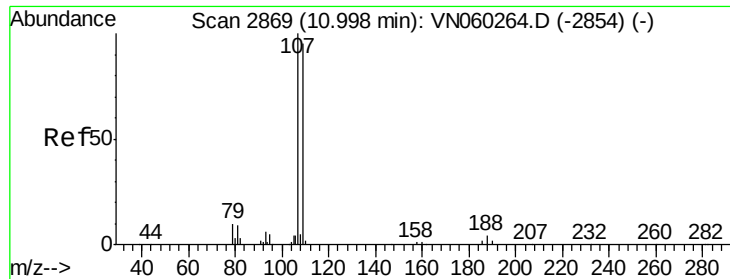
MMDadoda
3/10/2020 10:46:05 AM



#60
Dibromochloromethane
Concen: 19.45 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion: 129 Resp: 45331
Ion Ratio Lower Upper
129 100
127 75.6 38.9 116.7





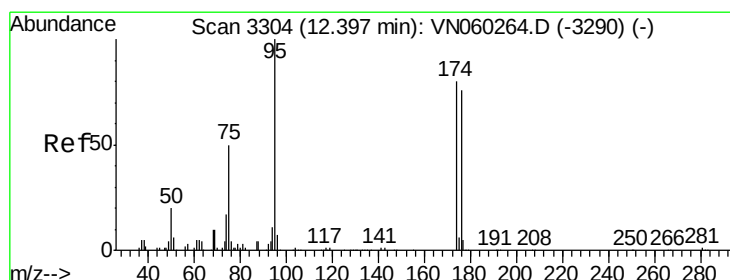
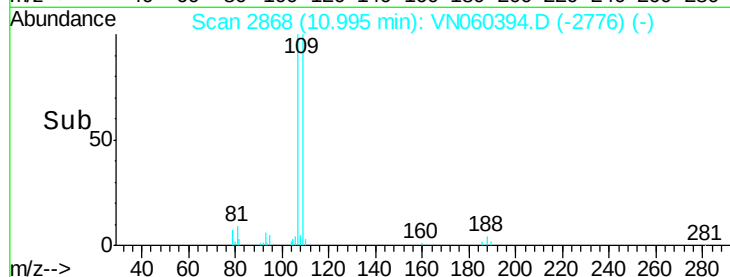
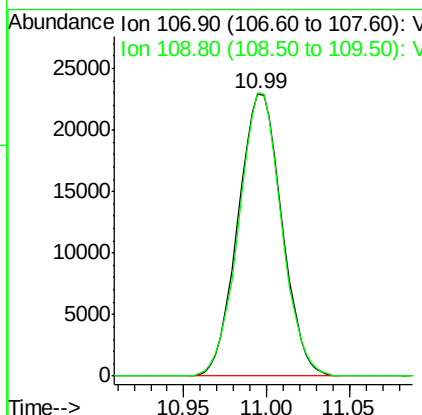
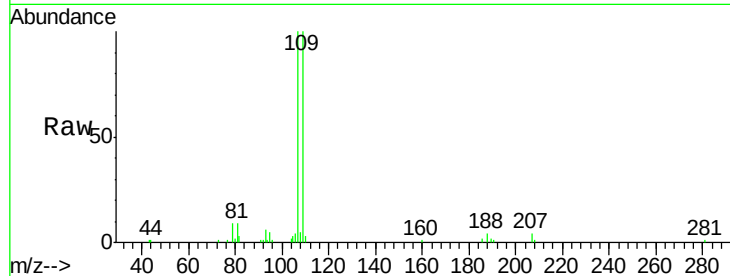
#61
 1,2-Dibromoethane
 Concen: 18.83 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBSD01

Tgt Ion: 107 Resp: 42064
 Ion Ratio Lower Upper
 107 100
 109 97.9 76.8 115.2

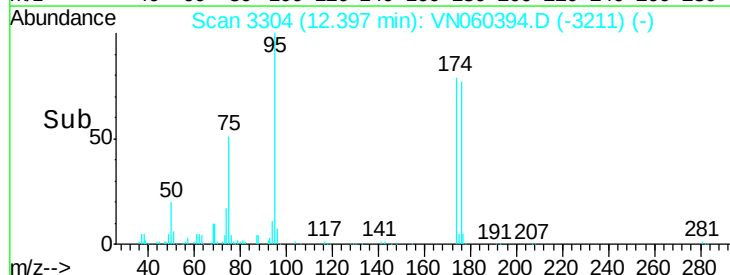
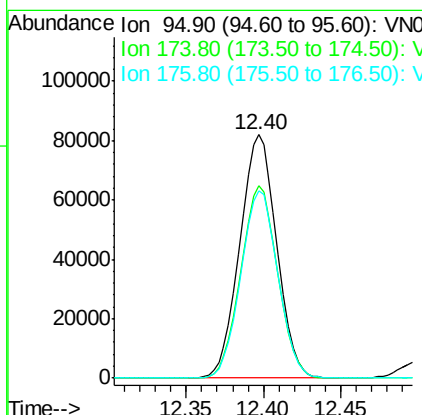
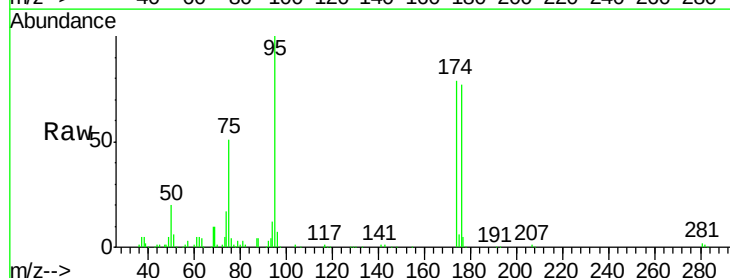
Manual Integrations
 APPROVED

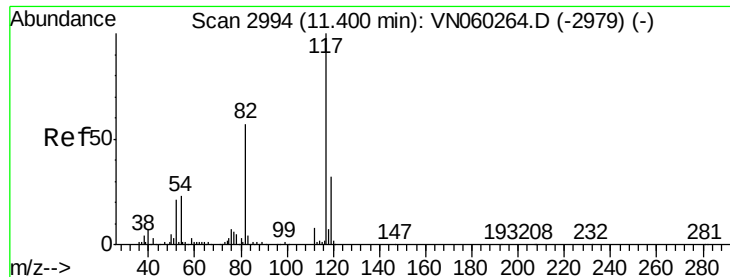
MMDadoda
 3/10/2020 10:46:05 AM



#62
 4-Bromofluorobenzene
 Concen: 46.64 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Tgt Ion: 95 Resp: 135817
 Ion Ratio Lower Upper
 95 100
 174 78.9 0.0 159.2
 176 77.5 0.0 153.8





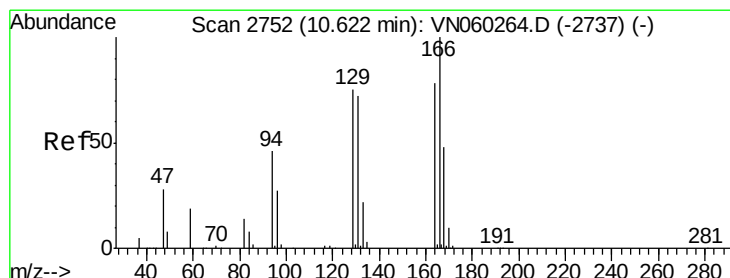
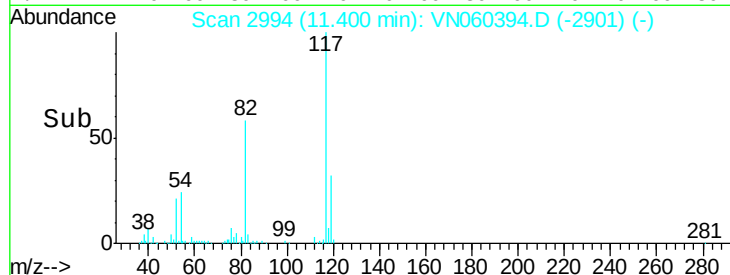
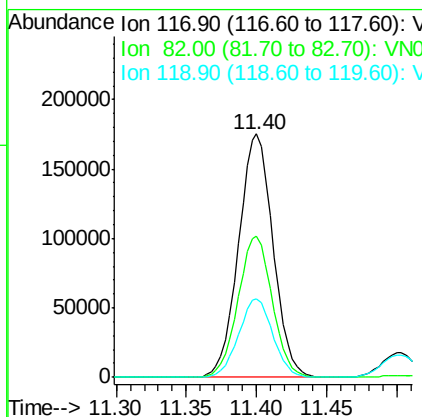
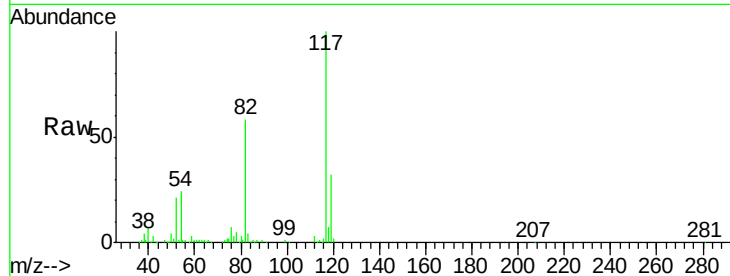
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	57.9	45.8	68.6
119	32.4	25.8	38.8

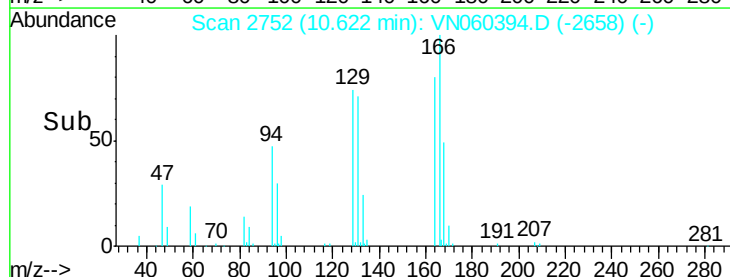
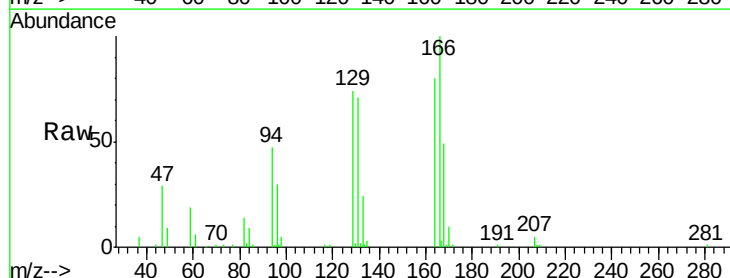
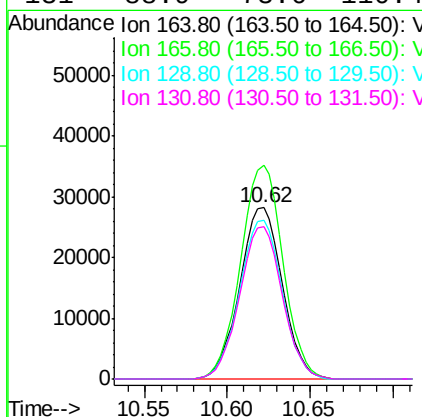
Manual Integrations
APPROVED

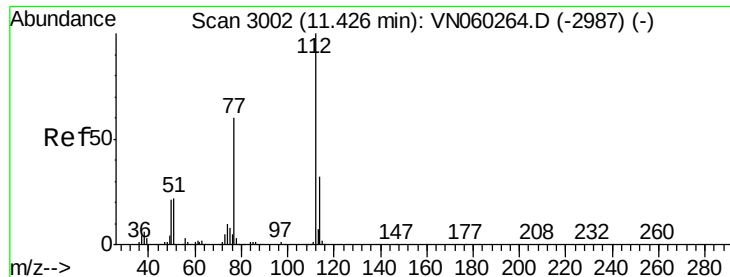
MMDadoda
3/10/2020 10:46:05 AM



#64
Tetrachloroethene
Concen: 20.54 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	124.8	102.0	153.0
129	92.4	76.4	114.6
131	88.9	73.6	110.4





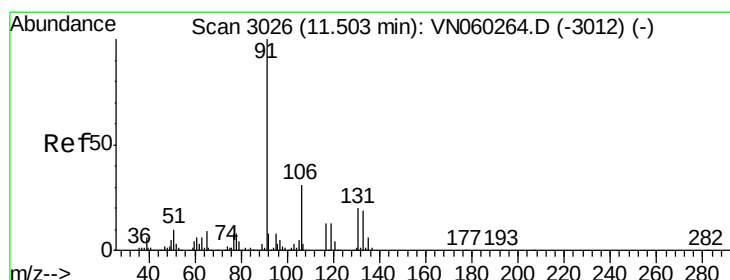
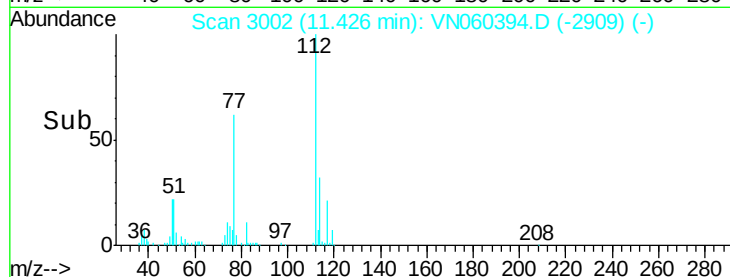
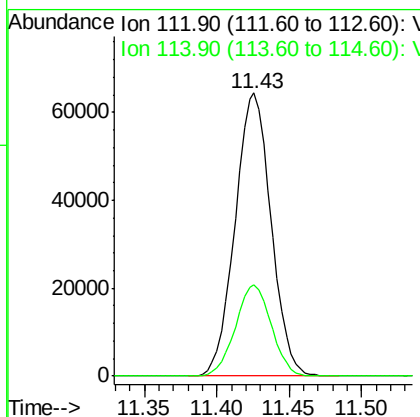
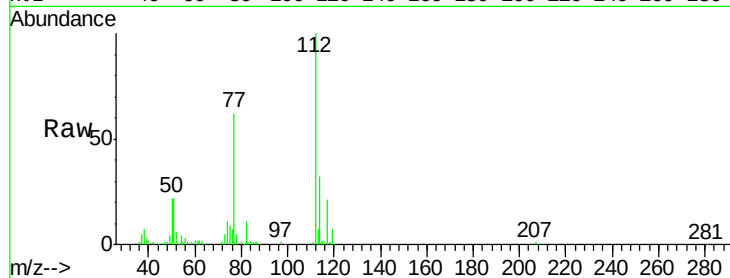
#65
Chlorobenzene
Concen: 18.29 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	110855		
114	32.2	25.4	38.0	

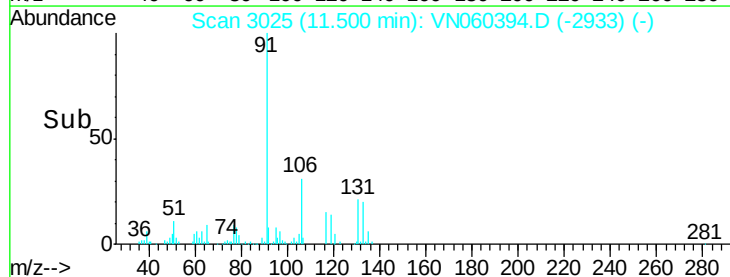
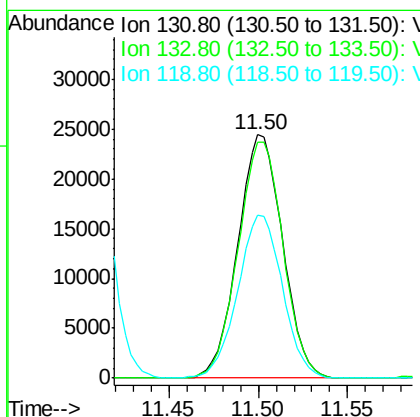
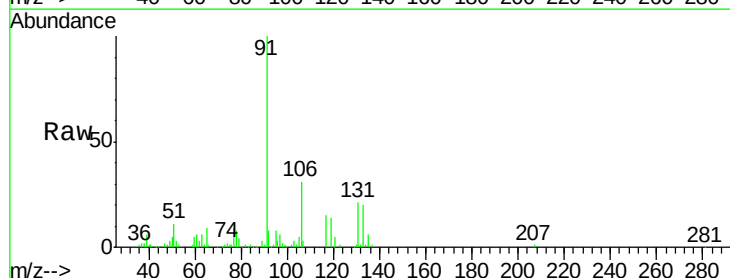
Manual Integrations
APPROVED

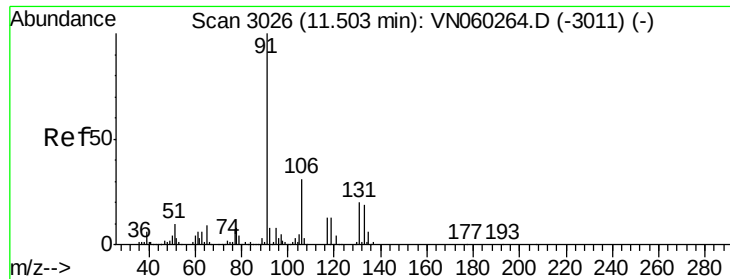
MMDadoda
3/10/2020 10:46:05 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.12 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	42858		
133	97.7	47.7	143.1	
119	66.8	33.2	99.6	





#67

Ethyl Benzene

Concen: 18.56 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0309WBSD01

Tgt Ion: 91 Resp: 204863

Ion Ratio Lower Upper

91 100

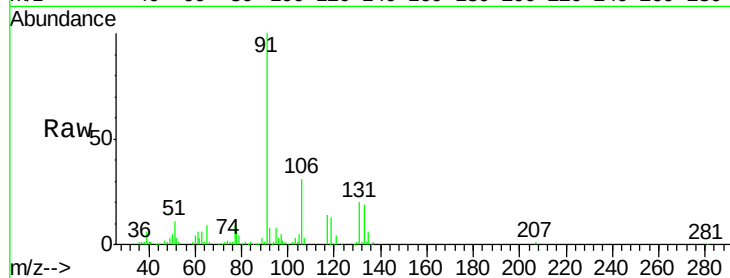
106 31.5 24.7 37.1

Manual Integrations

APPROVED

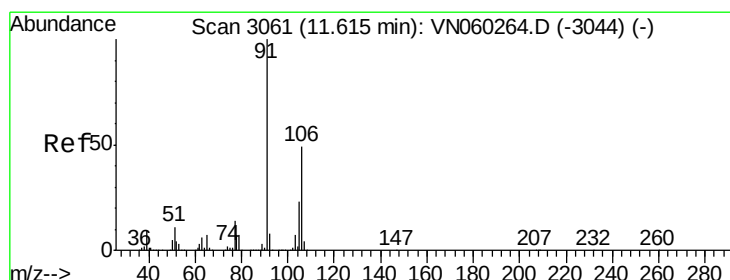
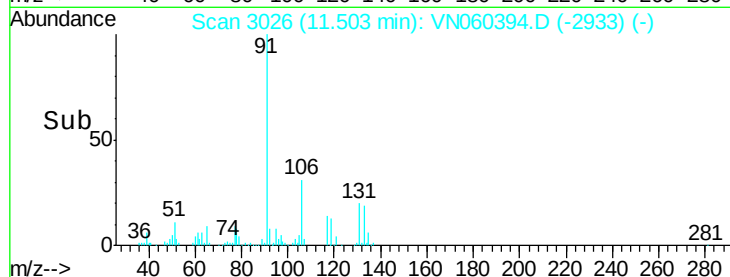
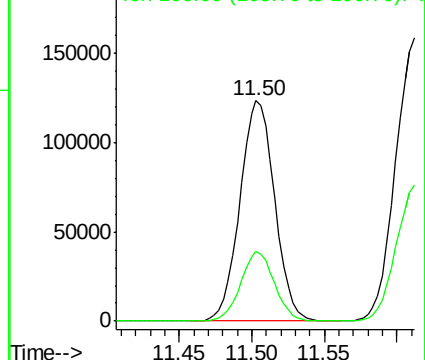
MMDadoda

3/10/2020 10:46:05 AM



Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3011) (-)

Ion 106.00 (105.70 to 106.70): VN060264.D (-3011) (-)



#68

m/p-Xylenes

Concen: 35.98 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060394.D

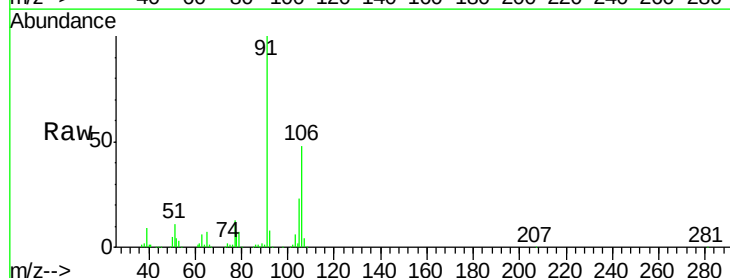
Acq: 9 Mar 2020 11:47

Tgt Ion: 106 Resp: 149859

Ion Ratio Lower Upper

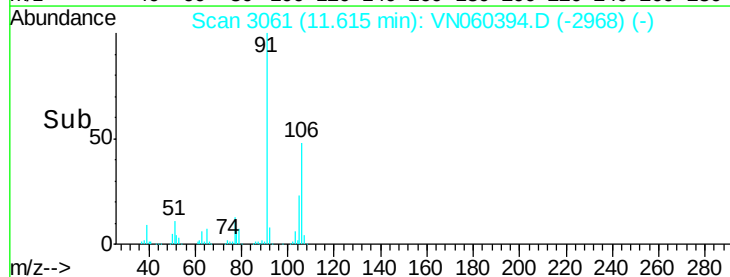
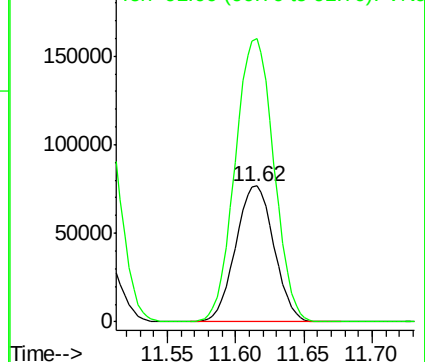
106 100

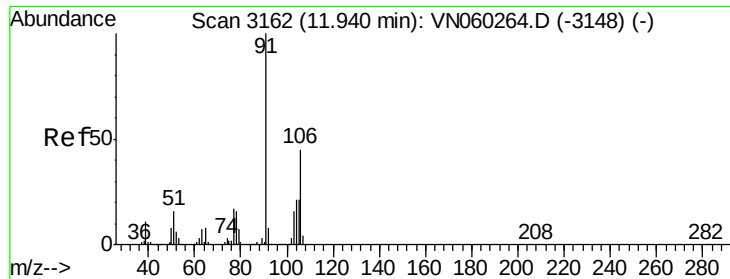
91 210.1 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060264.D (-3044) (-)

Ion 91.00 (90.70 to 91.70): VN060264.D (-3044) (-)





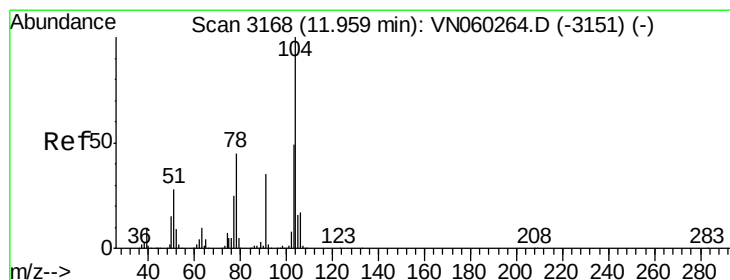
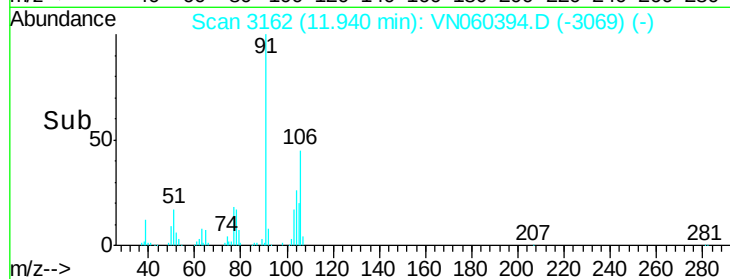
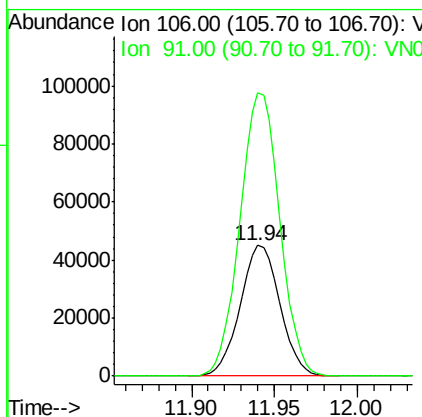
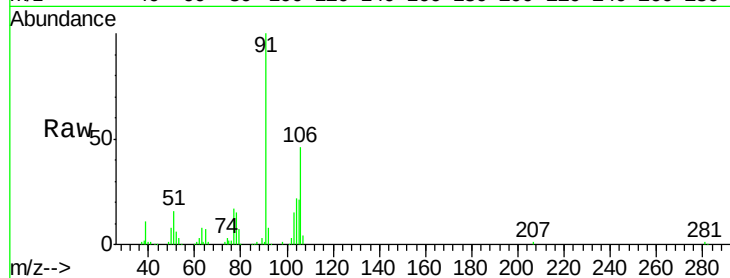
#69
o-Xylene
Concen: 18.92 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion:106 Resp: 75148
Ion Ratio Lower Upper
106 100
91 217.3 109.5 328.4

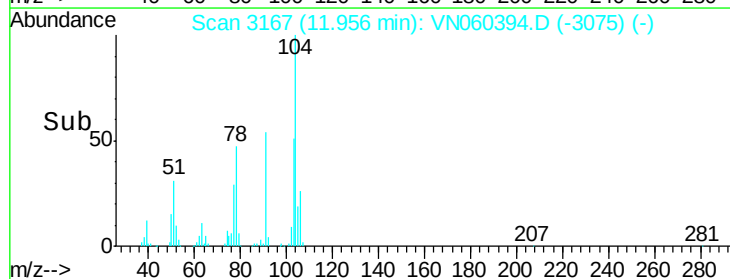
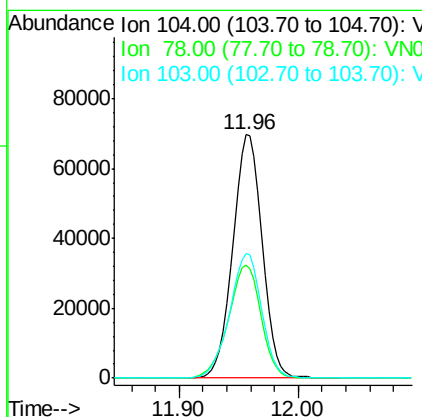
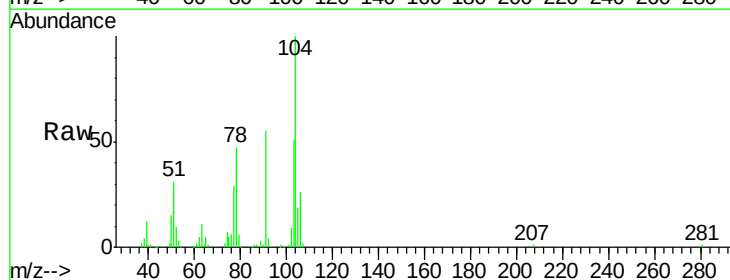
Manual Integrations
APPROVED

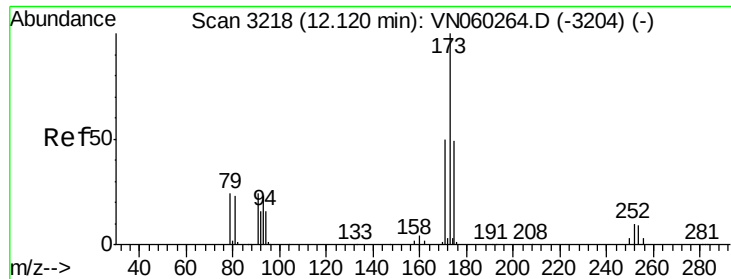
MMDadoda
3/10/2020 10:46:05 AM



#70
Styrene
Concen: 18.31 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion:104 Resp: 119537
Ion Ratio Lower Upper
104 100
78 51.3 41.2 61.8
103 55.5 43.9 65.9





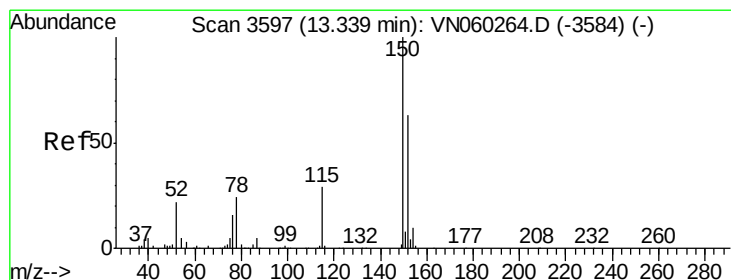
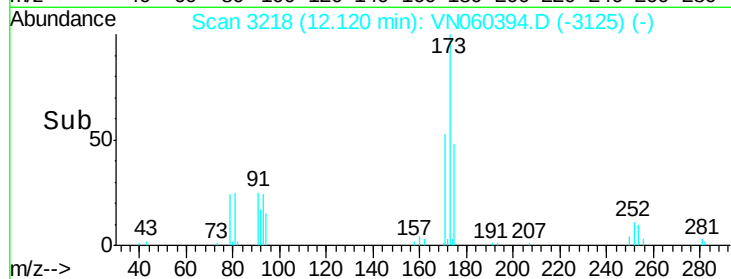
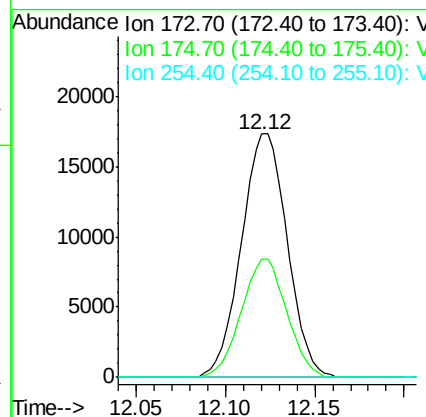
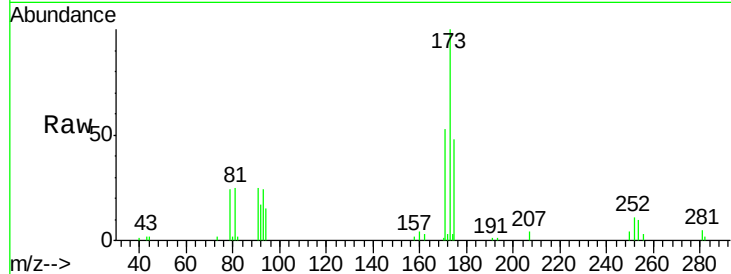
#71
Bromoform
Concen: 19.28 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.2
254	0.0	0.0	0.0

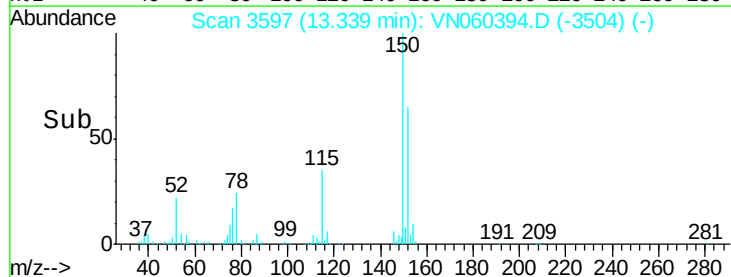
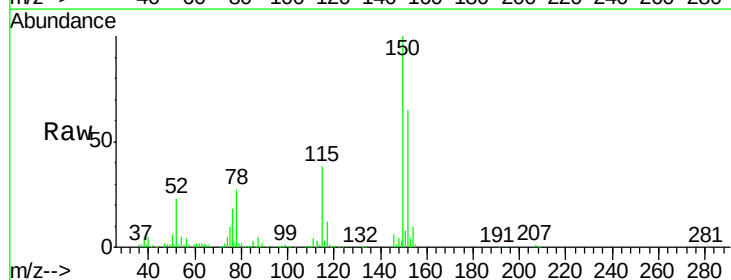
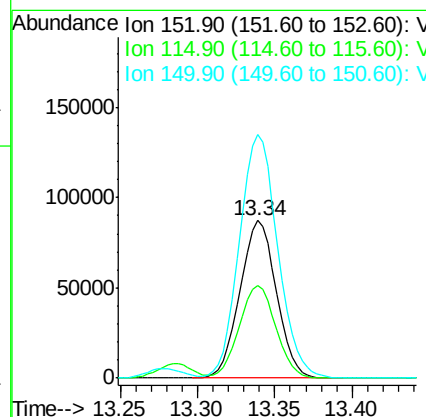
Manual Integrations
APPROVED

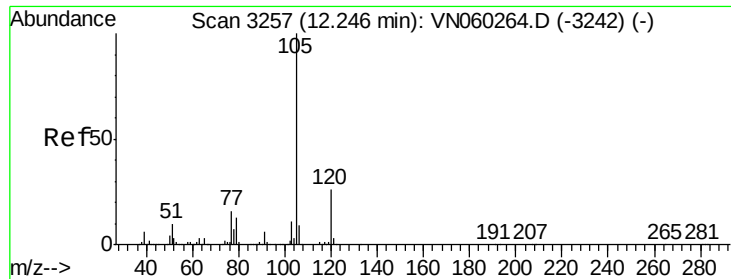
MMDadoda
3/10/2020 10:46:05 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	30.0	90.0
150	163.1	0.0	349.6





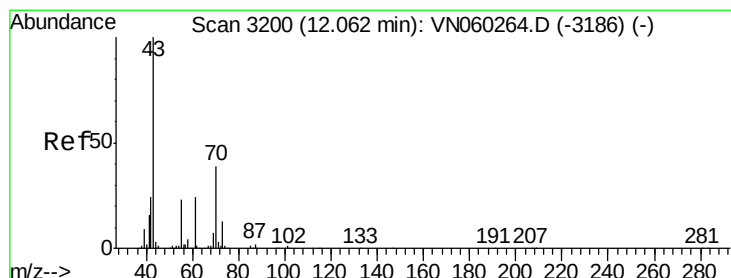
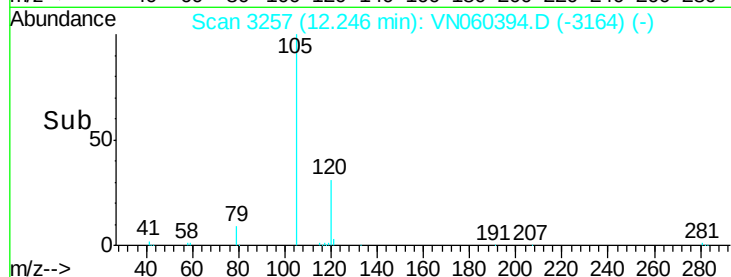
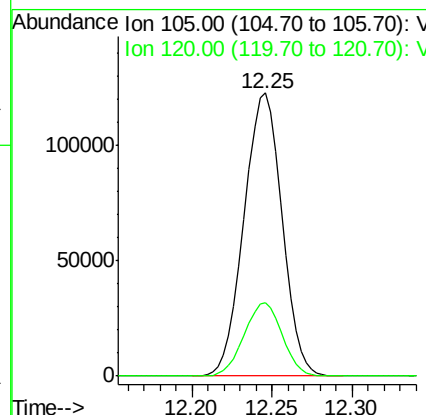
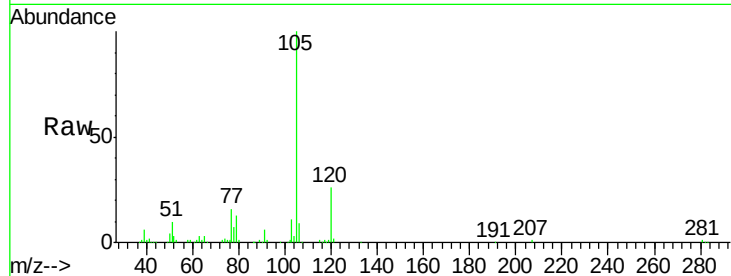
#73
Isopropylbenzene
Concen: 18.85 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9

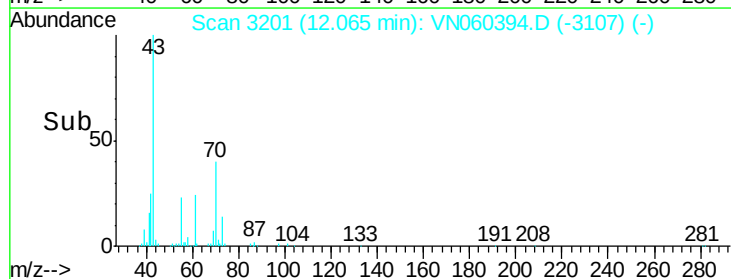
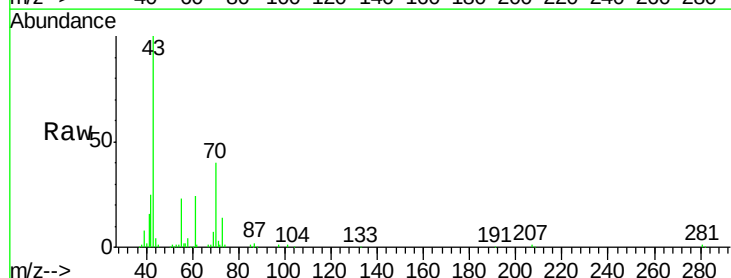
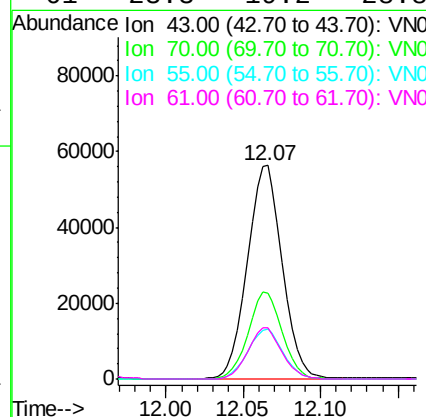
Manual Integrations
APPROVED

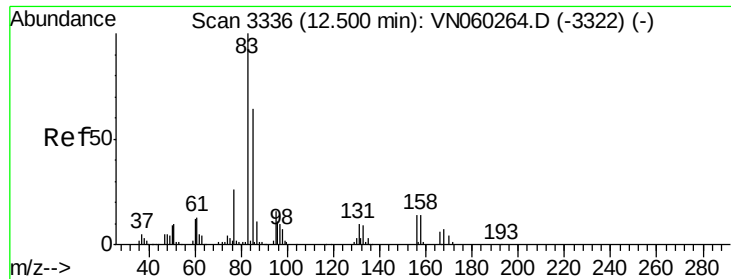
MMDadoda
3/10/2020 10:46:05 AM



#74
N-ethyl acetate
Concen: 19.20 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.5	32.2	48.2
55	23.3	18.2	27.4
61	23.3	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.74 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Instrument :

MSVOA_N

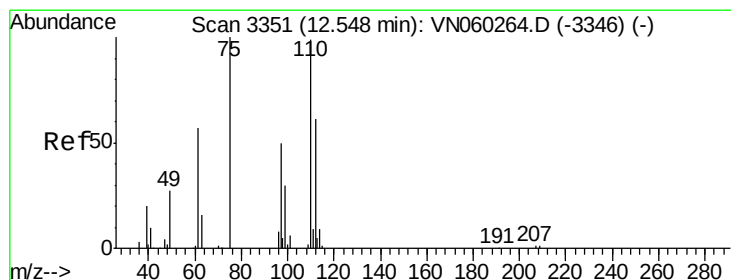
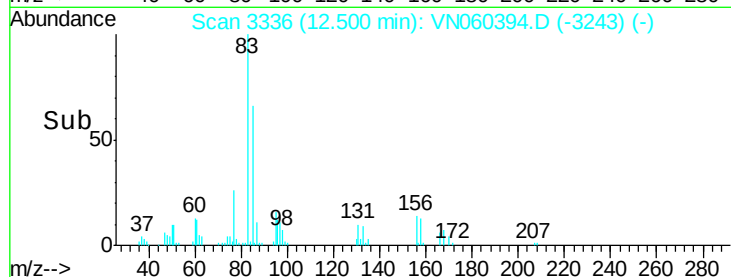
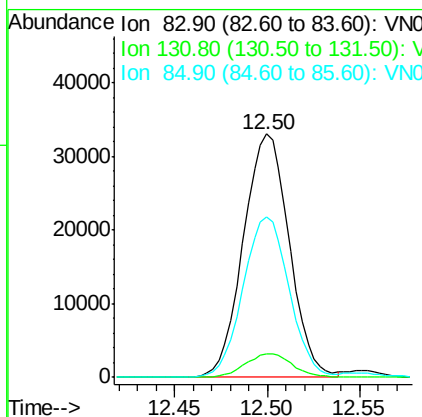
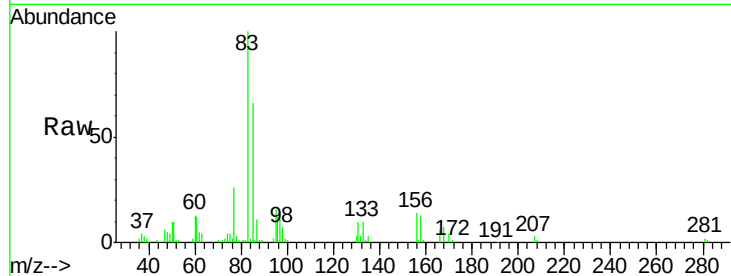
ClientSampleId :

VN0309WBSD01

Tgt Ion:	83	Resp:	56755
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.3
85	66.1	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
3/10/2020 10:46:05 AM



#76

1,2,3-Trichloropropane

Concen: 18.20 ug/l m

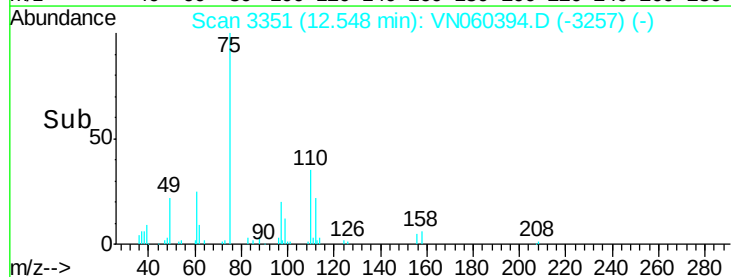
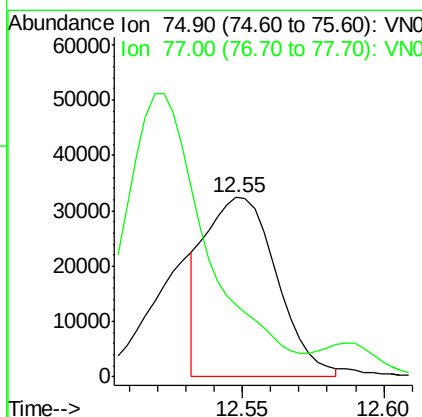
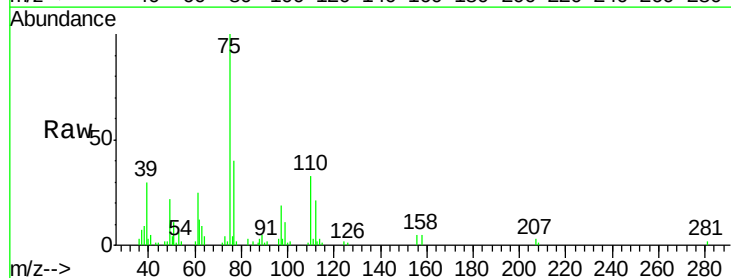
RT: 12.55 min Scan# 3351

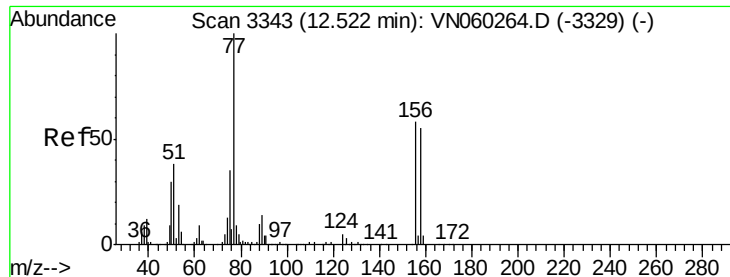
Delta R.T. 0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Tgt Ion:	75	Resp:	56982
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.62 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBSD01

Tgt Ion:156 Resp: 48278

Ion Ratio Lower Upper

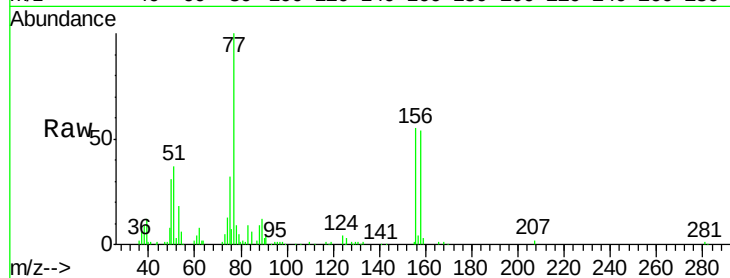
156 100

77 216.9 106.1 318.3

158 96.6 48.3 144.8

Manual Integrations
APPROVED

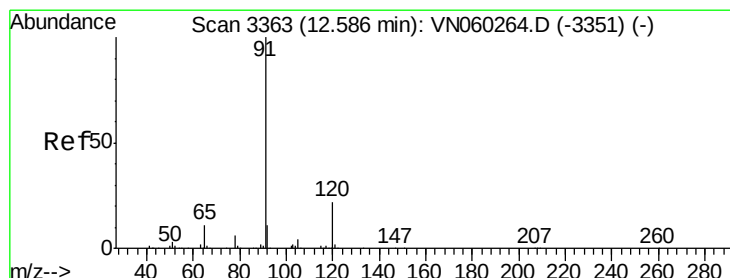
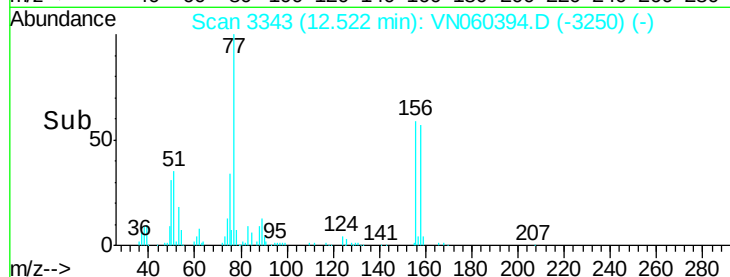
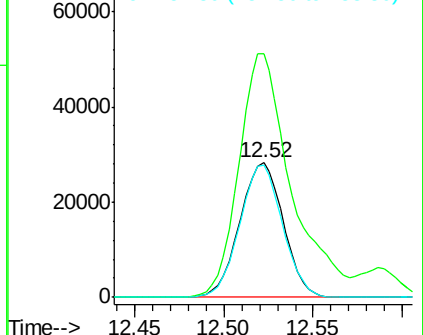
MMDadoda
3/10/2020 10:46:05 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.55 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060394.D

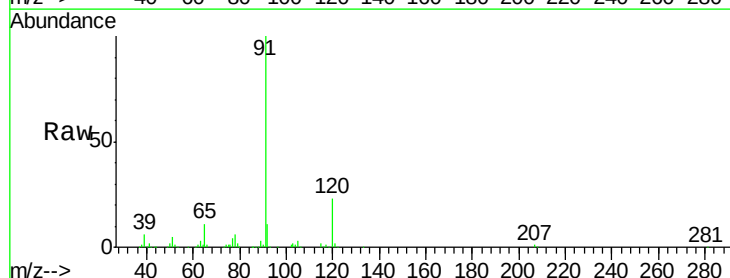
Acq: 9 Mar 2020 11:47

Tgt Ion: 91 Resp: 229953

Ion Ratio Lower Upper

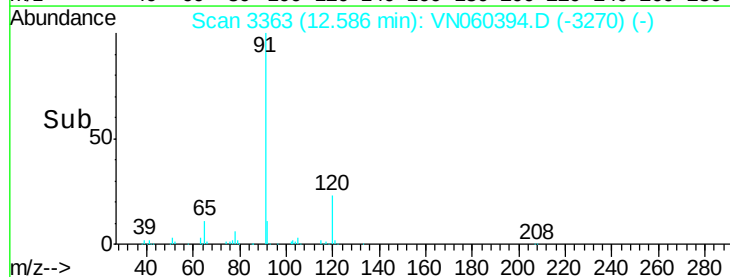
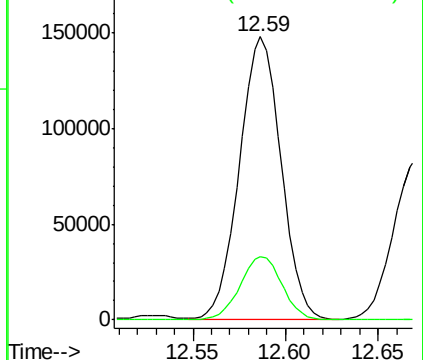
91 100

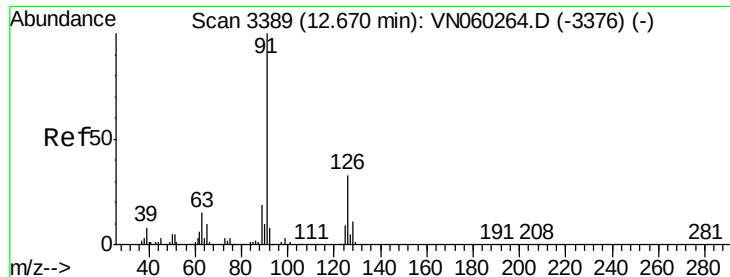
120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





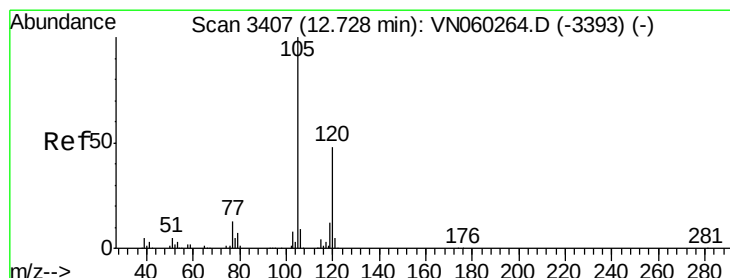
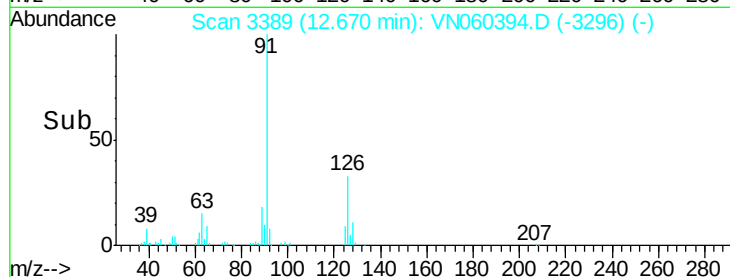
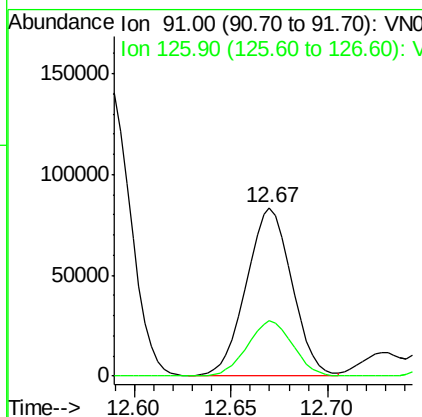
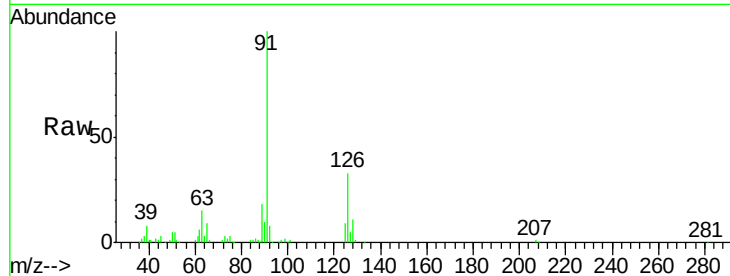
#79
 2-Chlorotoluene
 Concen: 18.77 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBSD01

Tgt Ion: 91 Resp: 136761
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.6 49.8

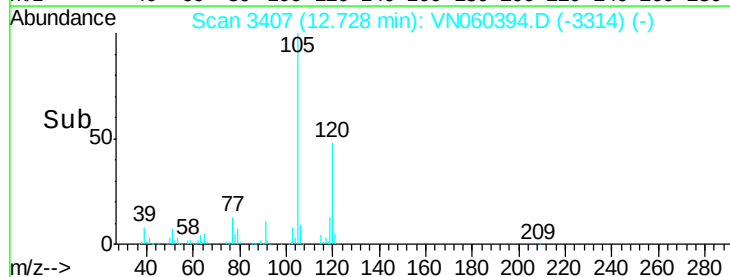
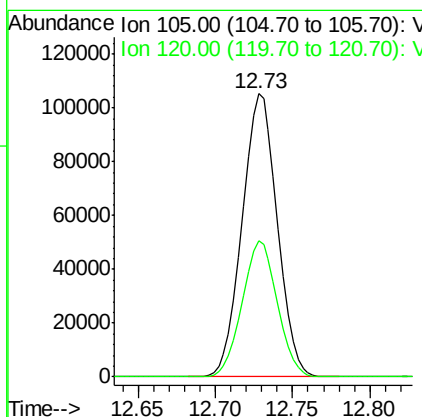
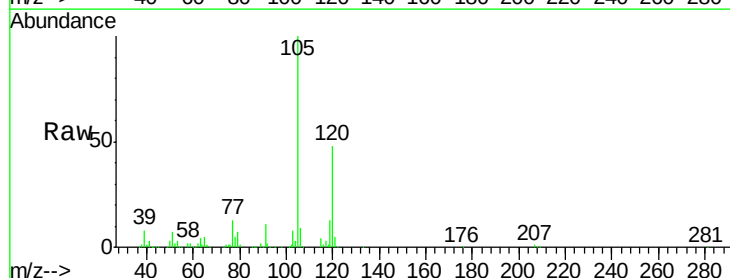
Manual Integrations
 APPROVED

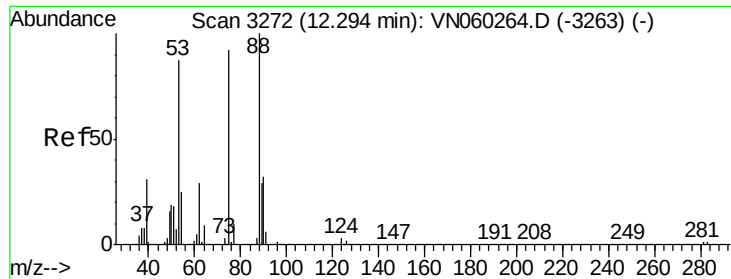
MMDadoda
 3/10/2020 10:46:05 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.68 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Tgt Ion: 105 Resp: 166318
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.1 72.4





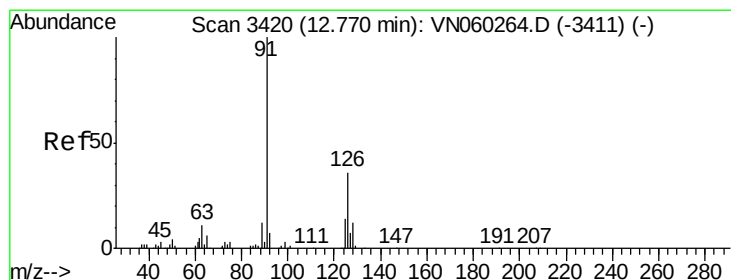
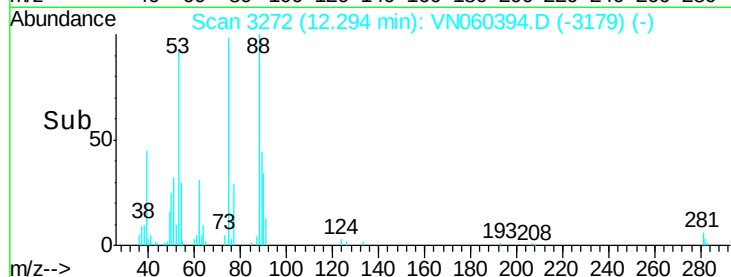
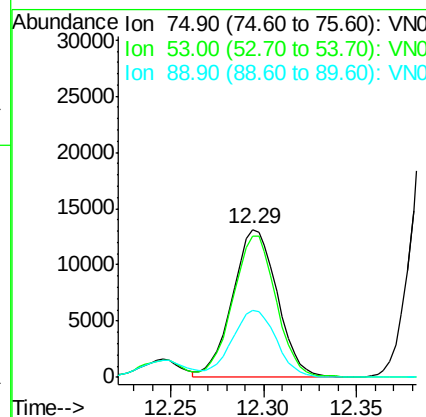
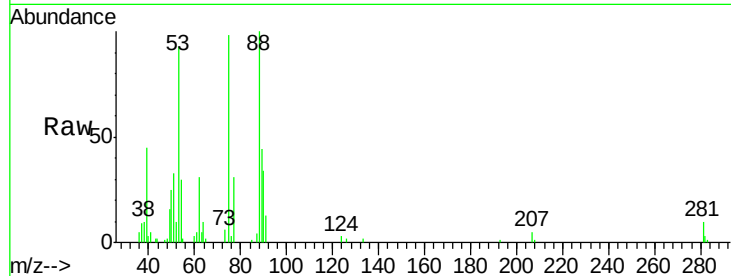
#81
trans-1,4-Dichloro-2-butene
Concen: 19.43 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.2	73.8	110.6
89	45.2	57.1	85.7#

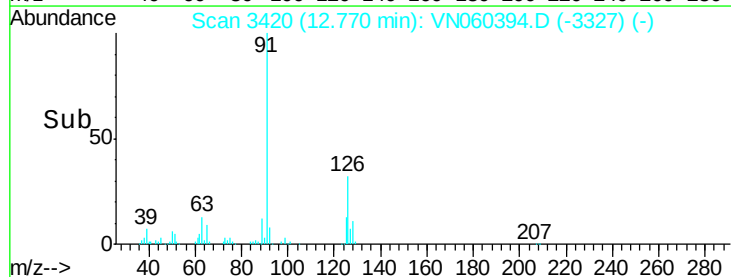
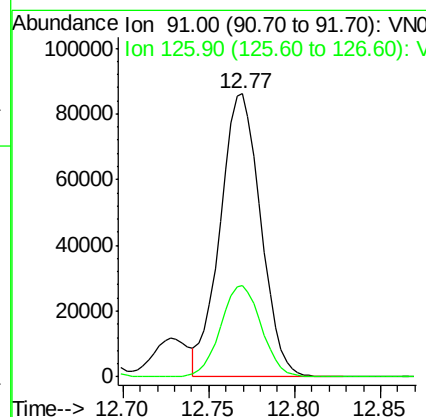
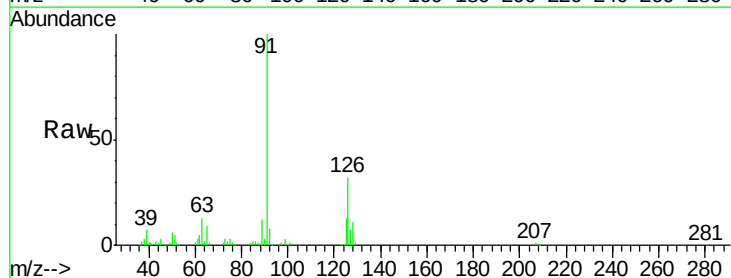
Manual Integrations
APPROVED

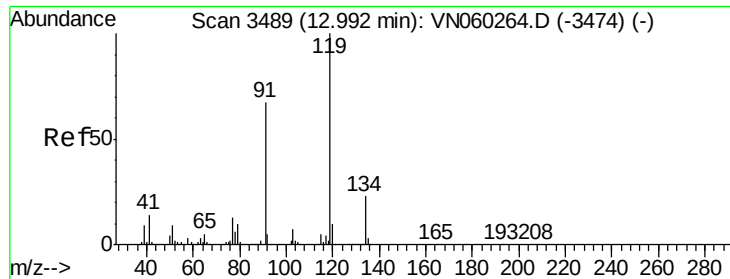
MMDadoda
3/10/2020 10:46:05 AM



#82
4-Chlorotoluene
Concen: 18.44 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.7	50.1





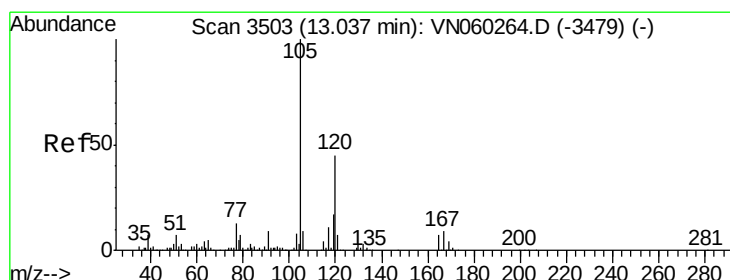
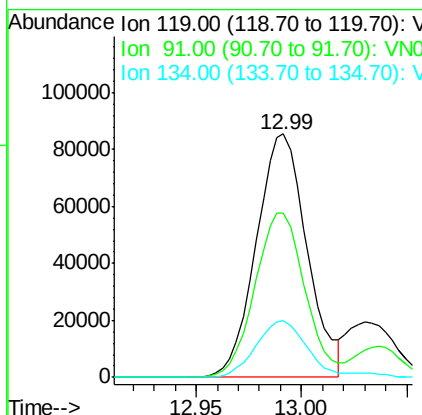
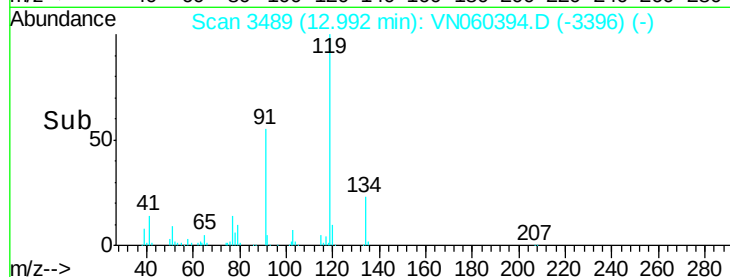
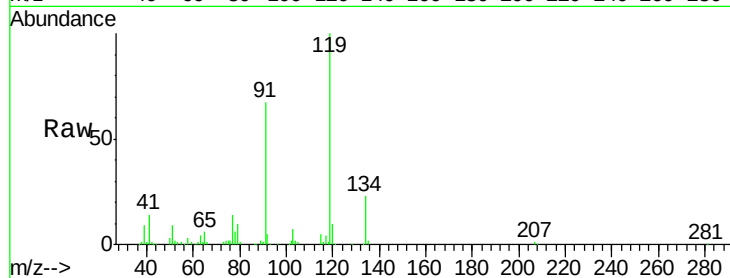
#83
 tert-Butylbenzene
 Concen: 18.54 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBSD01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.4	33.1	99.2
134	23.2	12.4	37.0

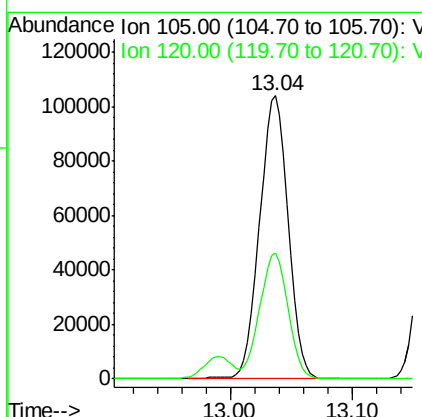
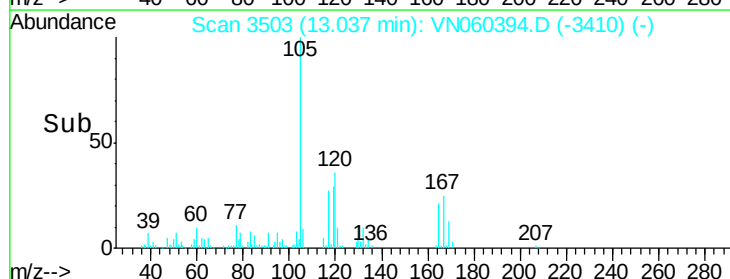
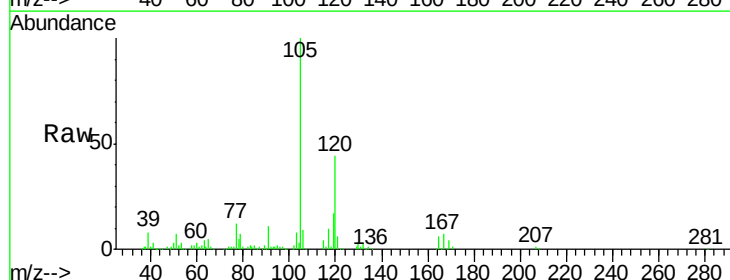
Manual Integrations
 APPROVED

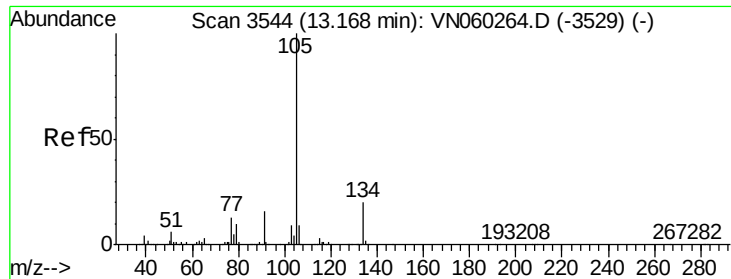
MMDadoda
 3/10/2020 10:46:05 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.78 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.3	66.9





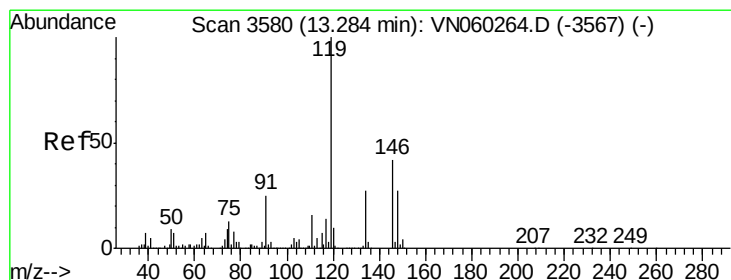
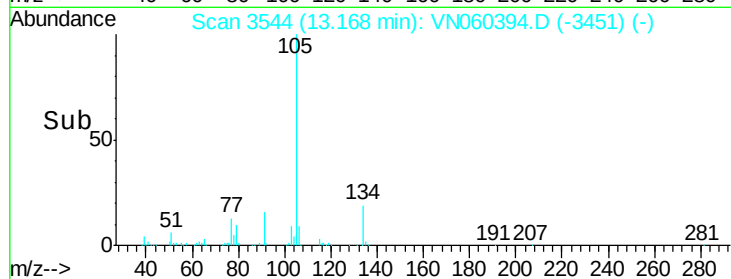
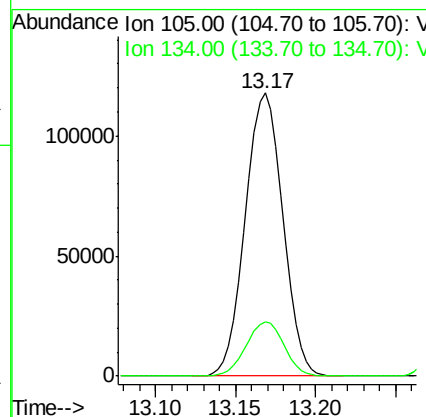
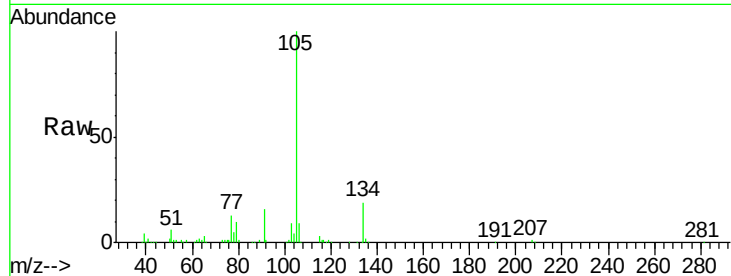
#85
 sec-Butylbenzene
 Concen: 18.28 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	188698		
134	19.3	9.8	29.5	

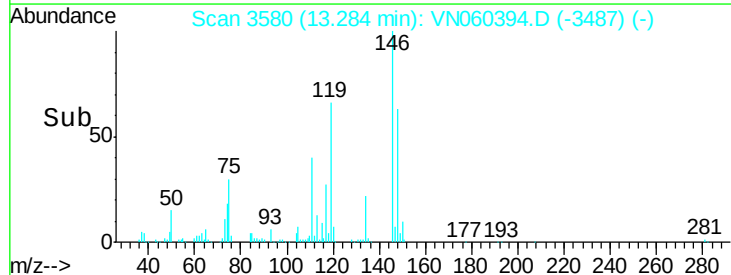
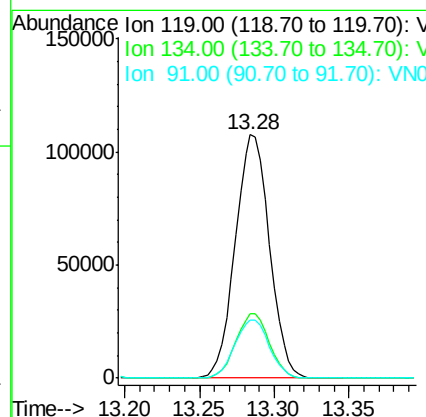
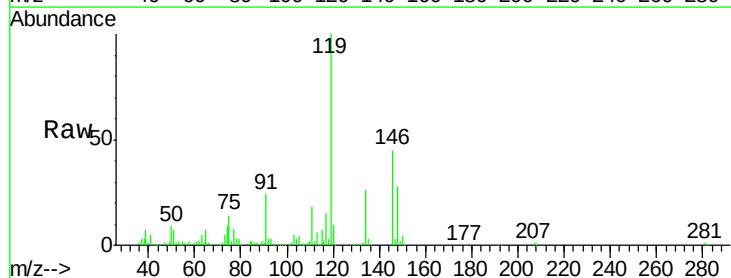
Manual Integrations
 APPROVED

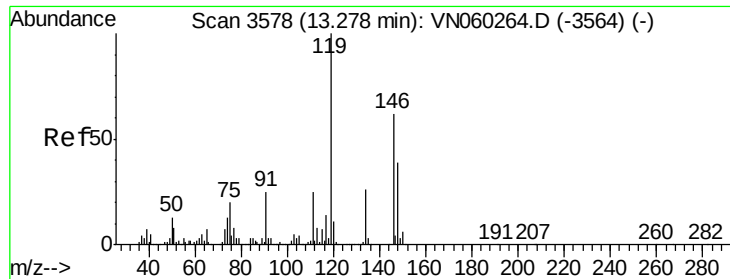
MMDadoda
 3/10/2020 10:46:05 AM



#86
 p-Isopropyltoluene
 Concen: 17.93 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	171384		
134	25.9	13.2	39.6	
91	24.2	12.2	36.6	





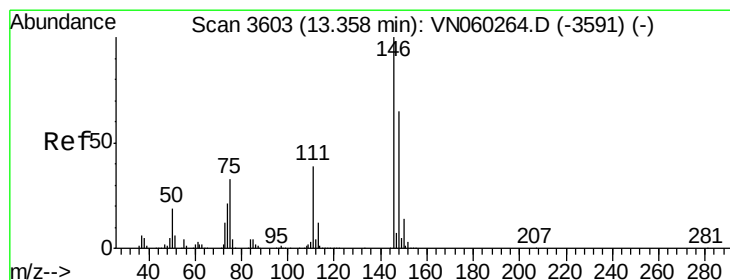
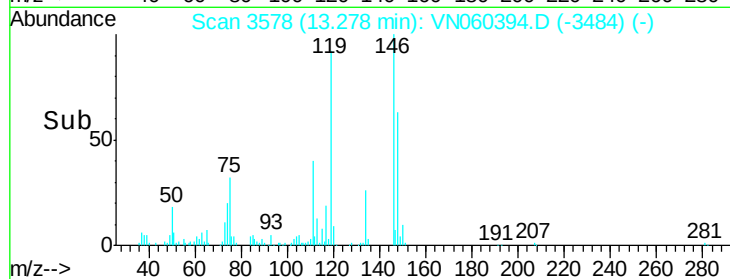
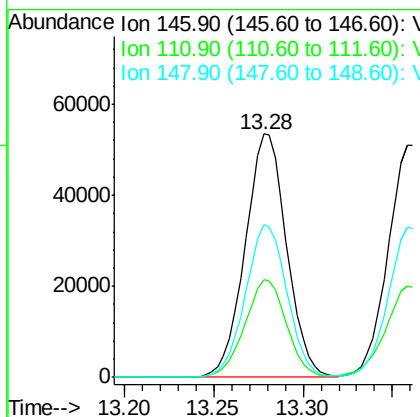
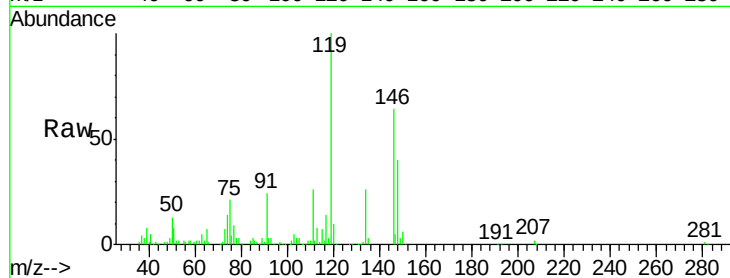
#87
 1,3-Dichlorobenzene
 Concen: 19.34 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0309WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	63.2	32.1	96.3

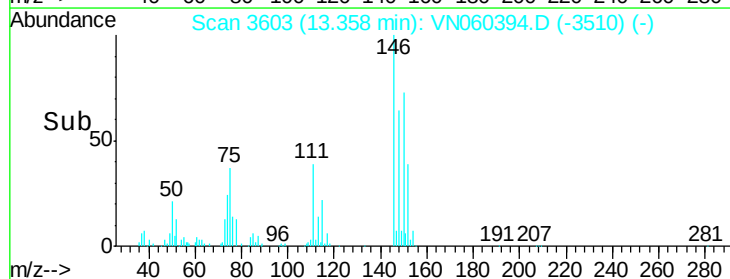
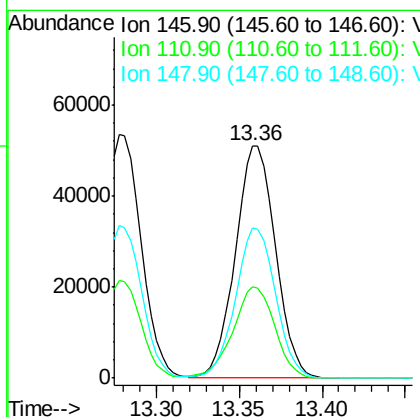
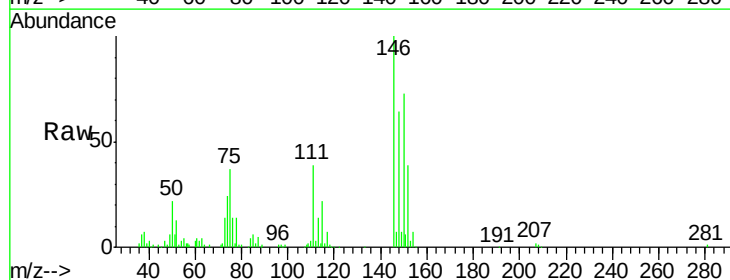
Manual Integrations
 APPROVED

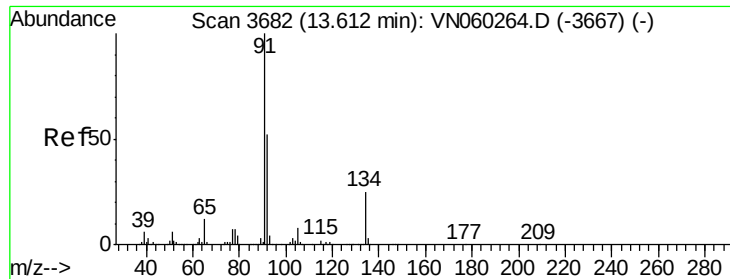
MMDadoda
 3/10/2020 10:46:05 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.22 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060394.D
 Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.8	59.4
148	64.4	32.3	96.9





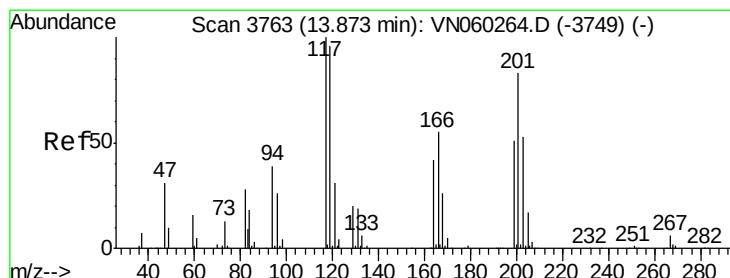
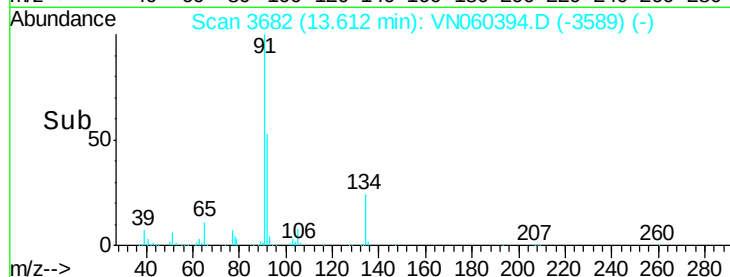
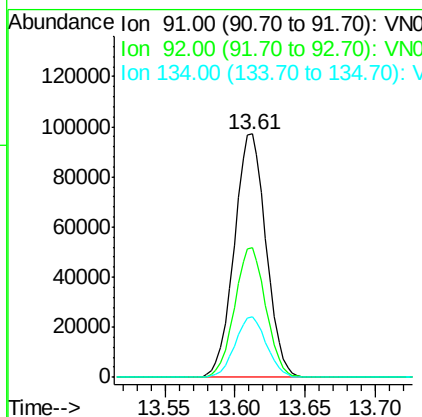
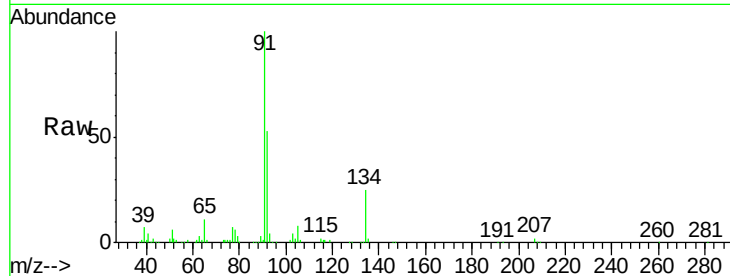
#89
n-Butylbenzene
Concen: 17.42 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	24.6	12.7	38.1

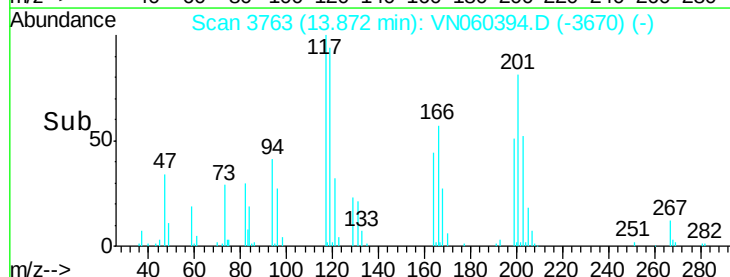
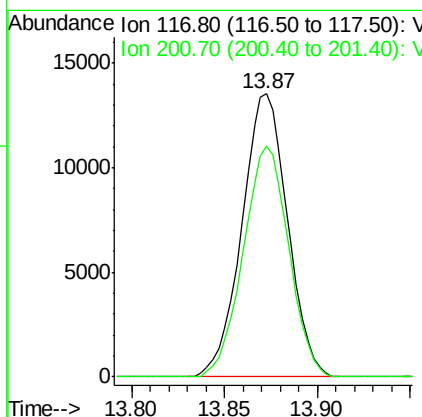
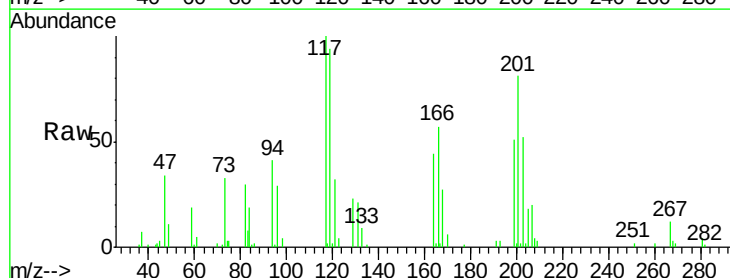
Manual Integrations
APPROVED

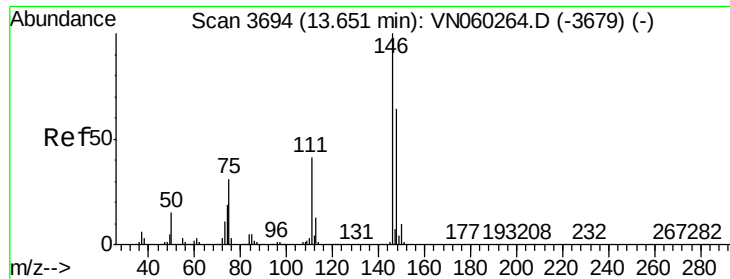
MMDadoda
3/10/2020 10:46:05 AM



#90
Hexachloroethane
Concen: 16.69 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 18.55 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Instrument :

MSVOA_N

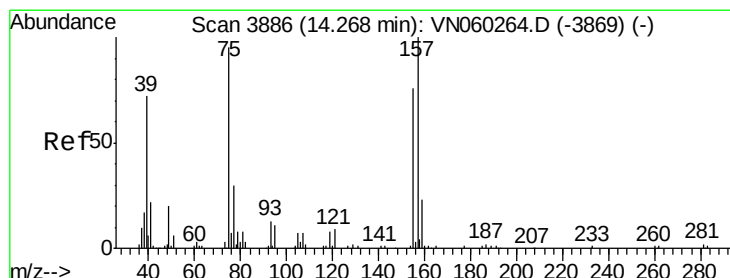
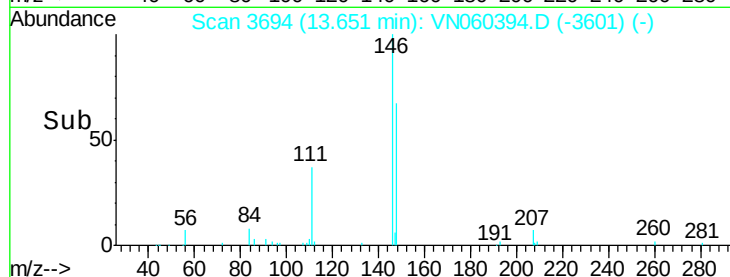
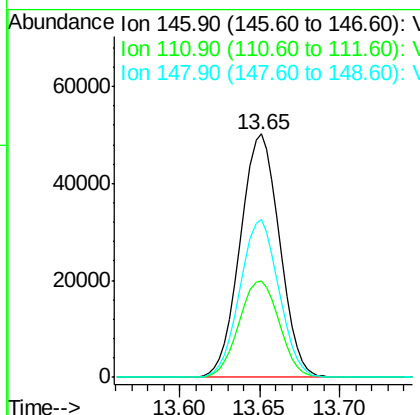
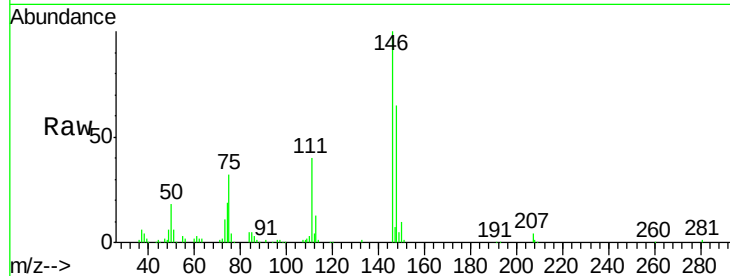
ClientSampleId :

VN0309WBSD01

Tgt Ion:	146	Resp:	84274
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.3	61.0
148	63.8	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
3/10/2020 10:46:05 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.85 ug/l

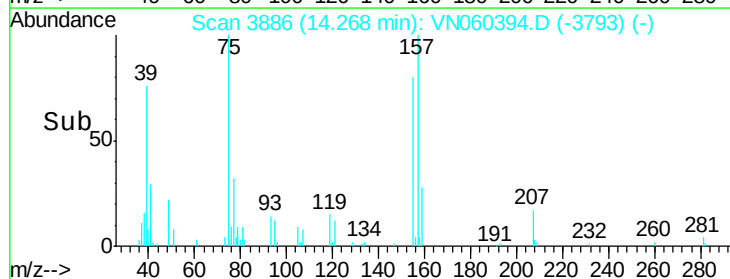
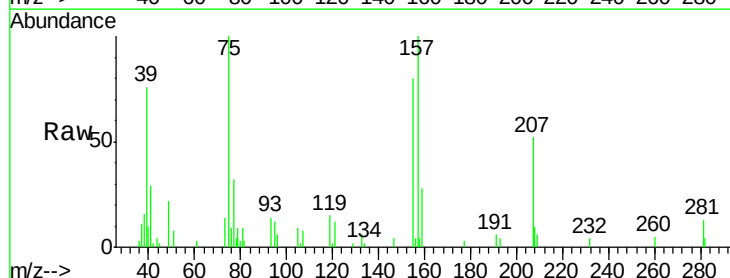
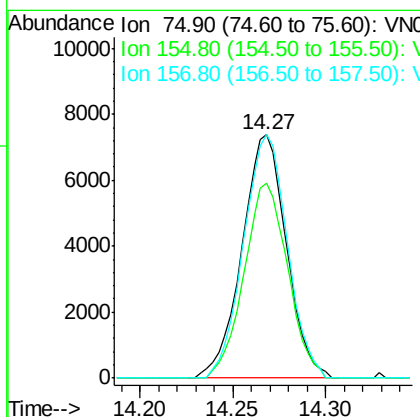
RT: 14.27 min Scan# 3886

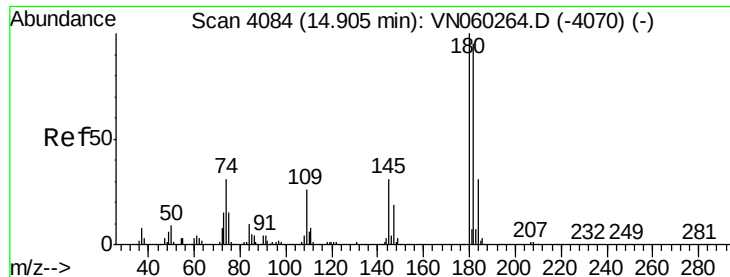
Delta R.T. -0.00 min

Lab File: VN060394.D

Acq: 9 Mar 2020 11:47

Tgt Ion:	75	Resp:	12276
Ion Ratio	Lower	Upper	
75	100		
155	78.4	40.4	121.2
157	98.3	52.5	157.5





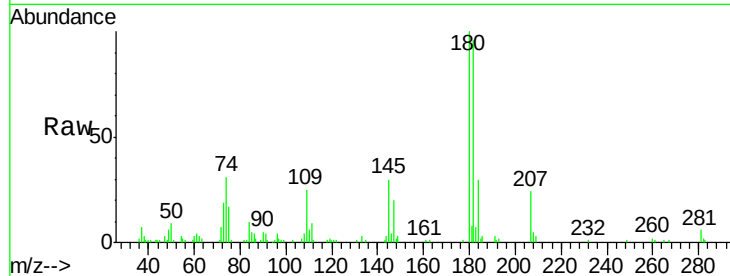
#93
1,2,4-Trichlorobenzene
Concen: 18.41 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

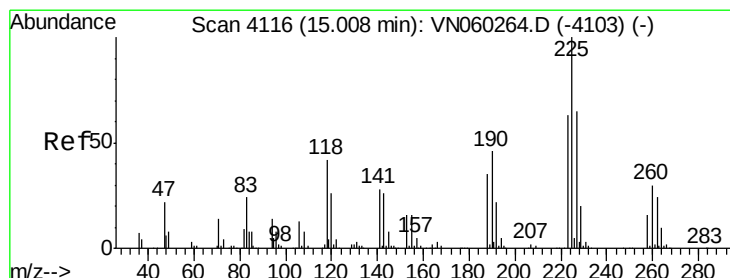
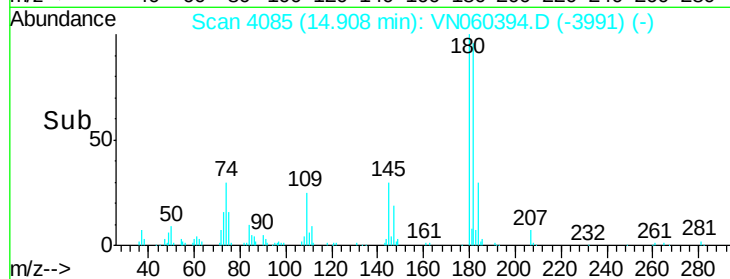
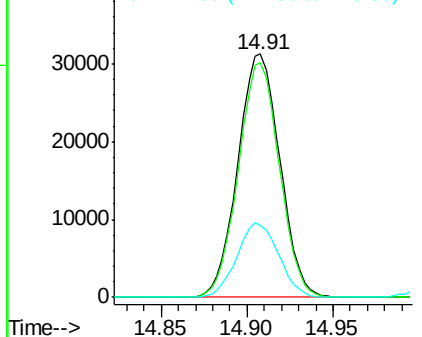
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.8	143.3
145	30.3	15.4	46.1

Manual Integrations
APPROVED

MMDadoda
3/10/2020 10:46:05 AM

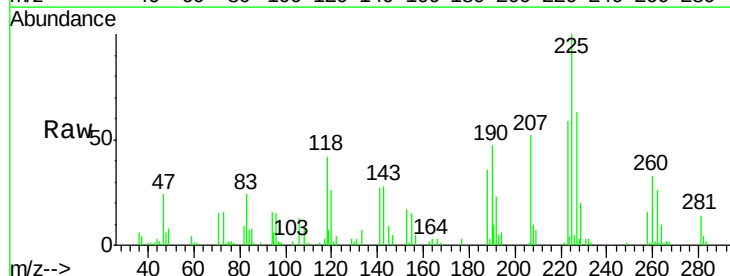


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

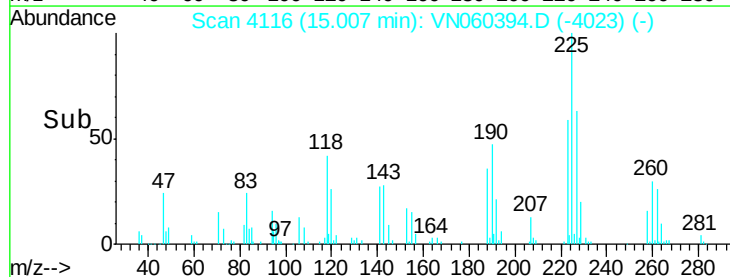
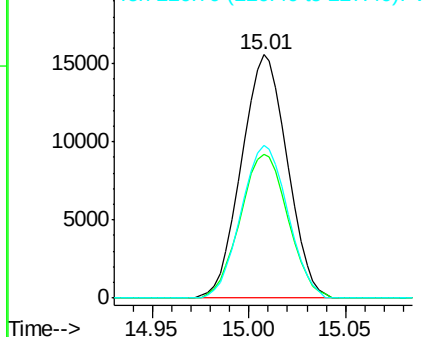


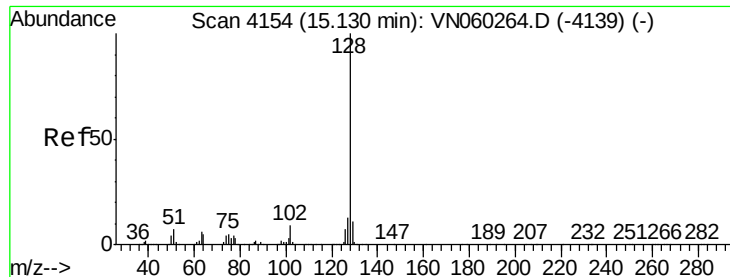
#94
Hexachlorobutadiene
Concen: 18.95 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.3	93.9
227	63.7	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





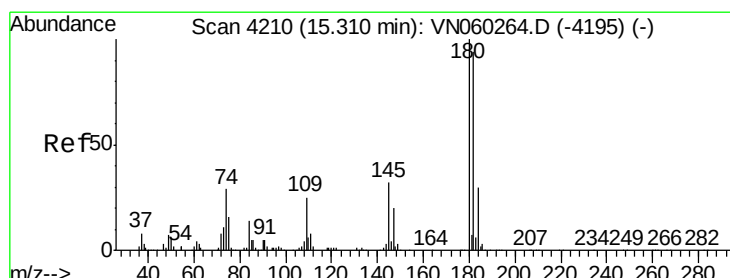
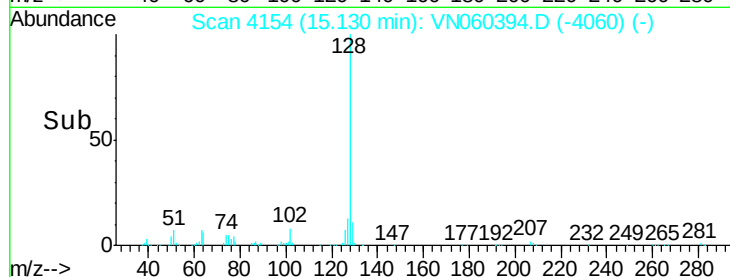
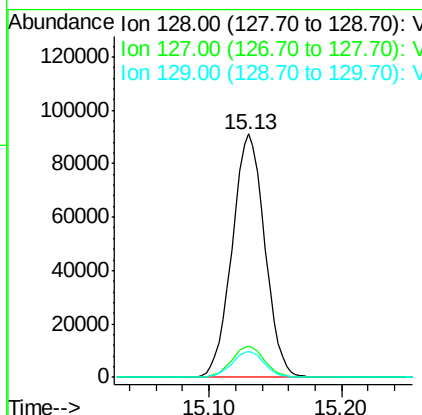
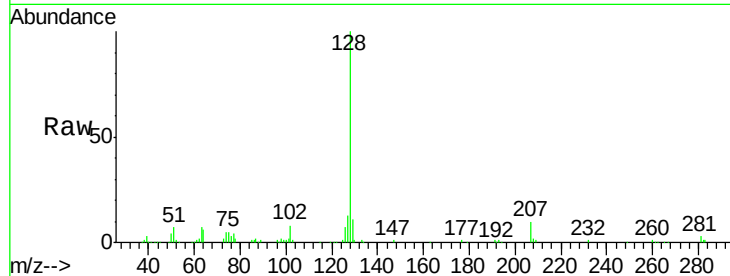
#95
Naphthalene
Concen: 18.13 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0309WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/10/2020 10:46:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.50 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060394.D
Acq: 9 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.3	142.0
145	31.5	16.2	48.5

