

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091020\
 Data File : VN063290.D
 Acq On : 10 Sep 2020 12:35
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 2:02:15 PM

Quant Time: Sep 11 06:02:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 10 14:25:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	384969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	675955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	587058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	244280	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	4290	1.143	ug/l	93
3) Chloromethane	2.04	50	7903	1.447	ug/l	99
4) Vinyl Chloride	2.16	62	5741	0.970	ug/l #	86
6) Chloroethane	2.68	64	3808	0.841	ug/l #	87
7) Trichlorofluoromethane	2.98	101	9075	1.015	ug/l	96
8) Diethyl Ether	3.37	74	3253	1.123	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.71	101	4692	1.138	ug/l	97
12) 1,1-Dichloroethene	3.69	96	4894	1.173	ug/l	91
14) Allyl chloride	4.27	41	11215	1.492	ug/l #	84
15) Acrylonitrile	4.95	53	11976m	6.070	ug/l	
16) Acetone	3.78	43	13208	7.338	ug/l	97
17) Carbon Disulfide	4.01	76	18454	1.484	ug/l	96
18) Methyl Acetate	4.29	43	6267	1.366	ug/l #	84
19) Methyl tert-butyl Ether	4.98	73	16047	1.043	ug/l	93
20) Methylene Chloride	4.50	84	7669	1.435	ug/l	92
21) trans-1,2-Dichloroethene	5.00	96	5454m	1.190	ug/l	
22) Diisopropyl ether	5.89	45	17790	1.068	ug/l #	69
23) Vinyl Acetate	5.84	43	64842	4.891	ug/l	99
24) 1,1-Dichloroethane	5.80	63	10051m	1.099	ug/l	
25) 2-Butanone	6.79	43	16050m	5.801	ug/l	
26) 2,2-Dichloropropane	6.77	77	9255m	1.115	ug/l	
27) cis-1,2-Dichloroethene	6.77	96	6509	1.169	ug/l	94
28) Bromochloromethane	7.15	49	5219	1.115	ug/l #	99
29) Tetrahydrofuran	7.16	42	10076	5.289	ug/l #	89
30) Chloroform	7.32	83	10054	1.055	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	8617	1.052	ug/l #	53
36) 1,1-Dichloropropene	7.75	75	7909	1.216	ug/l	93
37) Ethyl Acetate	6.87	43	7652m	1.374	ug/l	
38) Carbon Tetrachloride	7.72	117	7216	1.098	ug/l #	80
39) Methylcyclohexane	9.04	83	8317	1.144	ug/l #	91
40) Benzene	8.00	78	21744	1.146	ug/l	96
41) Methacrylonitrile	7.13	41	3029m	1.078	ug/l	
42) 1,2-Dichloroethane	8.09	62	8081	1.135	ug/l	91
43) Isopropyl Acetate	8.12	43	11776	1.112	ug/l #	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091020\
 Data File : VN063290.D
 Acq On : 10 Sep 2020 12:35
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 2:02:15 PM

Quant Time: Sep 11 06:02:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 10 14:25:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.80	130	6062	1.297	ug/l	99
45) 1,2-Dichloropropane	9.09	63	6016	1.187	ug/l #	88
46) Dibromomethane	9.17	93	4007	1.207	ug/l	93
47) Bromodichloromethane	9.37	83	8221	1.157	ug/l #	94
48) Methyl methacrylate	9.17	41	5734	1.196	ug/l	92
49) 1,4-Dioxane	9.17	88	2187	29.640	ug/l #	91
51) 4-Methyl-2-Pentanone	9.95	43	33045	5.735	ug/l	98
52) Toluene	10.13	92	13128	1.115	ug/l	95
53) t-1,3-Dichloropropene	10.35	75	8409	1.087	ug/l #	87
54) cis-1,3-Dichloropropene	9.81	75	8781	1.069	ug/l #	80
55) 1,1,2-Trichloroethane	10.54	97	5244	1.160	ug/l #	87
56) Ethyl methacrylate	10.40	69	6631	0.962	ug/l	99
57) 1,3-Dichloropropane	10.68	76	8697	1.083	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	24883	7.017	ug/l	99
59) 2-Hexanone	10.73	43	24074	5.923	ug/l	97
60) Dibromochloromethane	10.87	129	5186	1.038	ug/l	98
61) 1,2-Dibromoethane	10.98	107	5635	1.204	ug/l	88
64) Tetrachloroethene	10.60	164	5415	1.257	ug/l	97
65) Chlorobenzene	11.41	112	14577	1.235	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	4791	1.099	ug/l #	64
67) Ethyl Benzene	11.49	91	24450	1.136	ug/l	99
68) m/p-Xylenes	11.59	106	17470	2.199	ug/l	95
69) o-Xylene	11.92	106	8585	1.118	ug/l	99
70) Styrene	11.94	104	13385	1.018	ug/l	99
71) Bromoform	12.10	173	3156	1.061	ug/l #	85
73) Isopropylbenzene	12.22	105	22877	1.231	ug/l	98
74) N-amyl acetate	12.05	43	6355	0.819	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.48	83	6720	1.259	ug/l	95
76) 1,2,3-Trichloropropane	12.53	75	5958m	1.140	ug/l	
77) Bromobenzene	12.50	156	5652	1.339	ug/l	98
78) n-propylbenzene	12.57	91	25000	1.163	ug/l	97
79) 2-Chlorotoluene	12.65	91	16040	1.242	ug/l	95
80) 1,3,5-Trimethylbenzene	12.71	105	18130	1.167	ug/l	97
82) 4-Chlorotoluene	12.75	91	17668	1.321	ug/l	94
83) tert-Butylbenzene	12.97	119	16564	1.249	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	18322	1.170	ug/l	98
85) sec-Butylbenzene	13.15	105	19086	1.110	ug/l	91
86) p-Isopropyltoluene	13.27	119	18171	1.187	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	9882	1.277	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	11541m	1.446	ug/l	
89) n-Butylbenzene	13.59	91	16156	1.141	ug/l	99
90) Hexachloroethane	13.85	117	2446	0.867	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	9520	1.267	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1436	1.201	ug/l	88
93) 1,2,4-Trichlorobenzene	14.89	180	6084	1.433	ug/l	98
94) Hexachlorobutadiene	14.98	225	3538	2.205	ug/l	94
95) Naphthalene	15.11	128	22375	1.611	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	6485	1.568	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091020\
Data File : VN063290.D
Acq On : 10 Sep 2020 12:35
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

MMDadoda
9/11/2020 2:02:15 PM

Quant Time: Sep 11 06:02:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 10 14:25:24 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

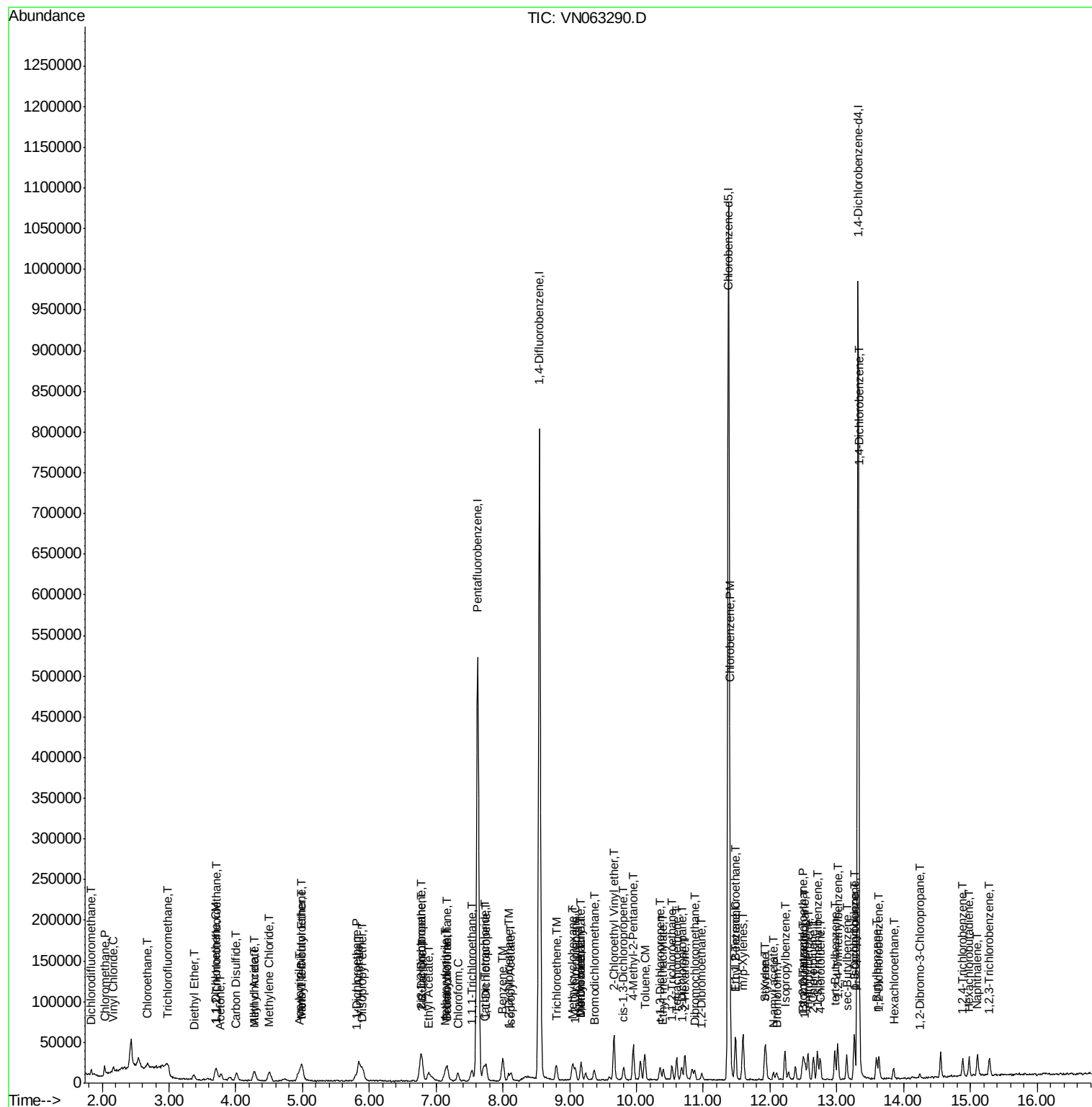
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091020\
Data File : VN063290.D
Acq On : 10 Sep 2020 12:35
Operator : JC/MD
Sample : VSTDIC001
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

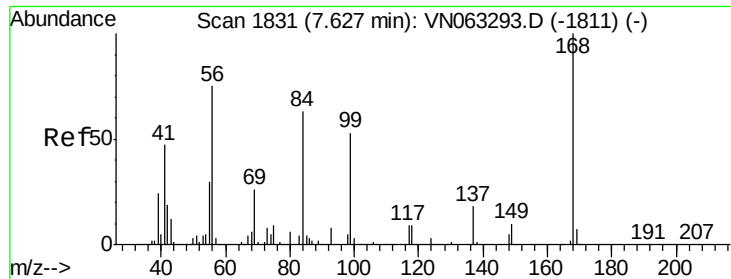
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

MMDadoda
9/11/2020 2:02:15 PM

Quant Time: Sep 11 06:02:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 10 14:25:24 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:168 Resp: 384969

Ion Ratio Lower Upper

168 100

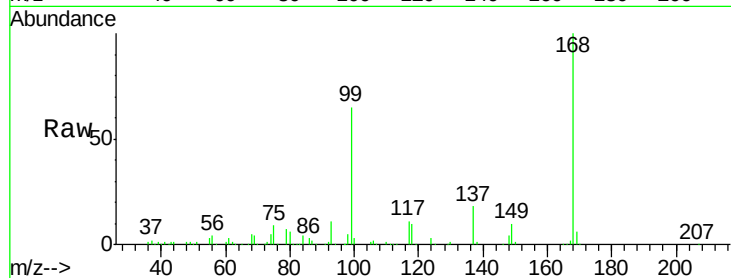
99 65.2 51.1 76.7

Manual Integrations

APPROVED

MMDadoda

9/11/2020 2:02:15 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

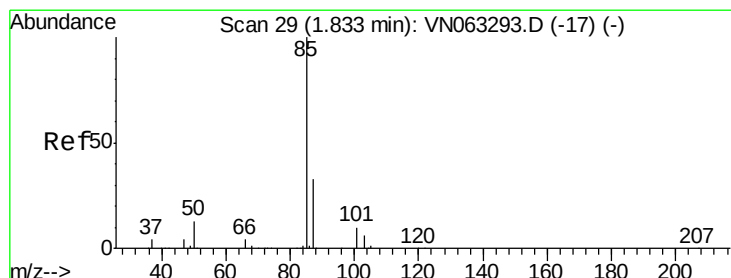
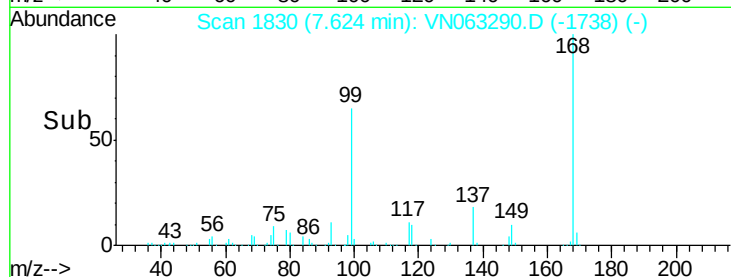
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 1.143 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN063290.D

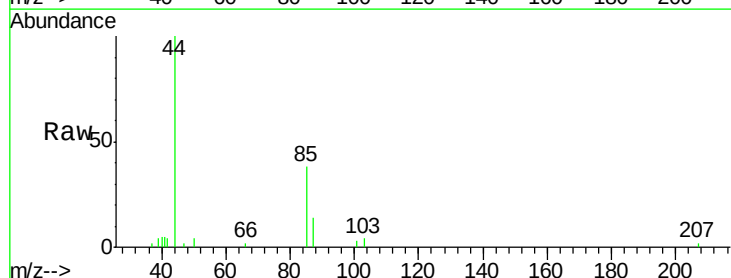
Acq: 10 Sep 2020 12:35

Tgt Ion: 85 Resp: 4290

Ion Ratio Lower Upper

85 100

87 36.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

4000

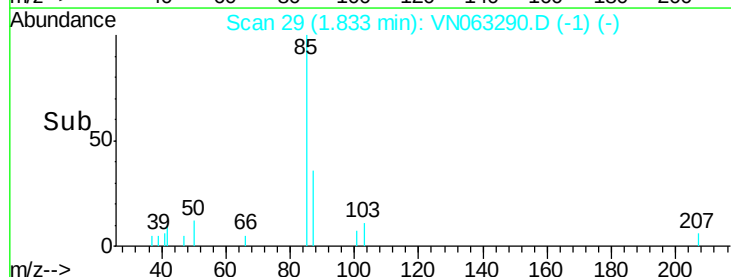
3000

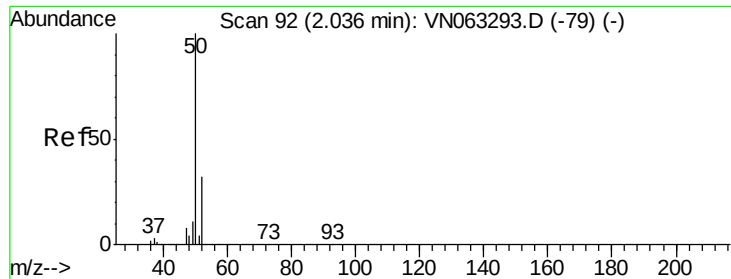
2000

1000

0

Time--> 1.80 1.85





#3

Chloromethane

Concen: 1.447 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 50 Resp: 7903

Ion Ratio Lower Upper

50 100

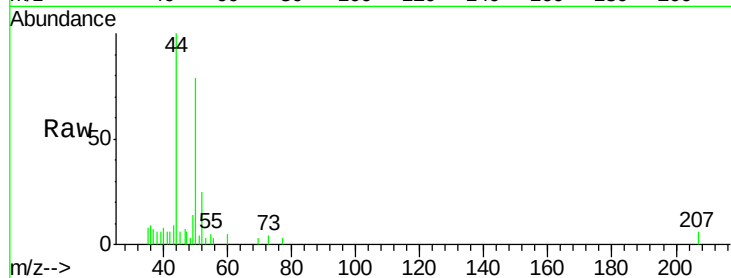
52 31.1 25.4 38.2

Manual Integrations

APPROVED

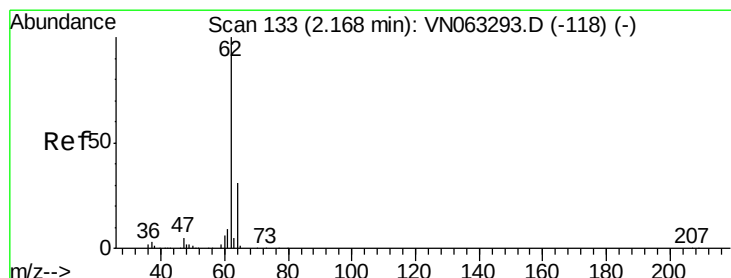
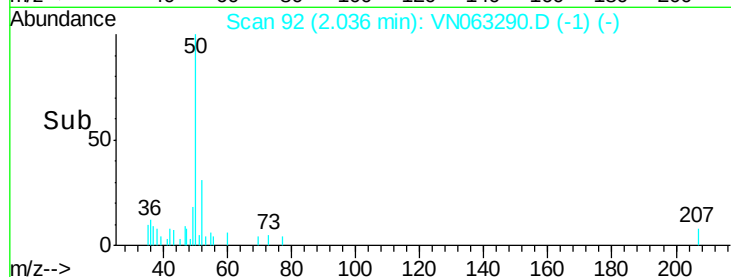
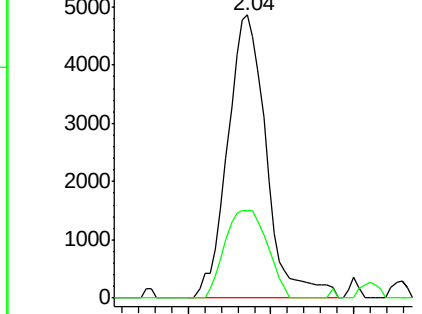
MMDadoda

9/11/2020 2:02:15 PM



Abundance Ion 49.90 (49.60 to 50.60): VN063290.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN063290.D (-1) (-)



#4

Vinyl Chloride

Concen: 0.970 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063290.D

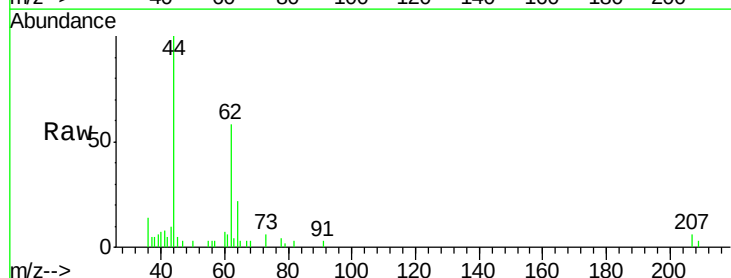
Acq: 10 Sep 2020 12:35

Tgt Ion: 62 Resp: 5741

Ion Ratio Lower Upper

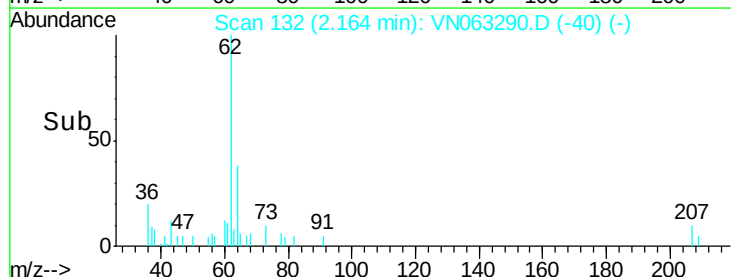
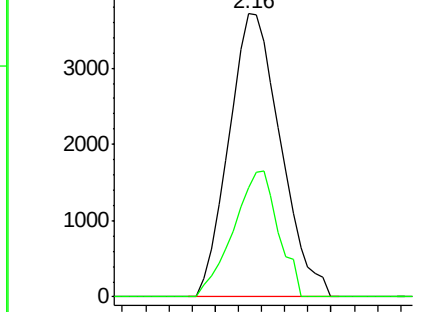
62 100

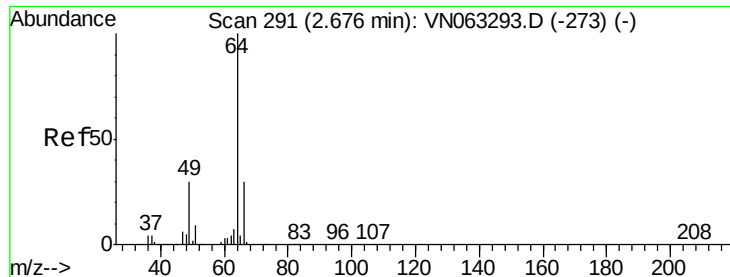
64 38.5 24.6 37.0#



Abundance Ion 61.90 (61.60 to 62.60): VN063290.D (-40) (-)

Ion 63.90 (63.60 to 64.60): VN063290.D (-40) (-)





#6

Chloroethane

Concen: 0.841 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 3808

Ion Ratio Lower Upper

64 100

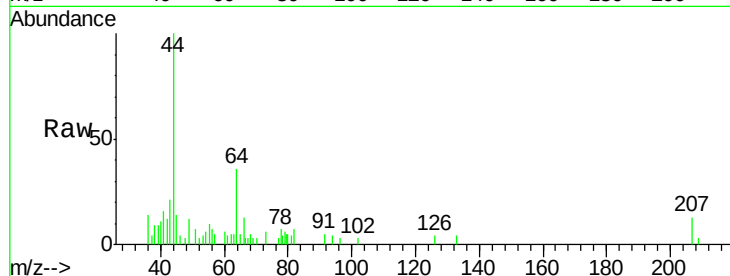
66 37.0 23.8 35.6#

Manual Integrations

APPROVED

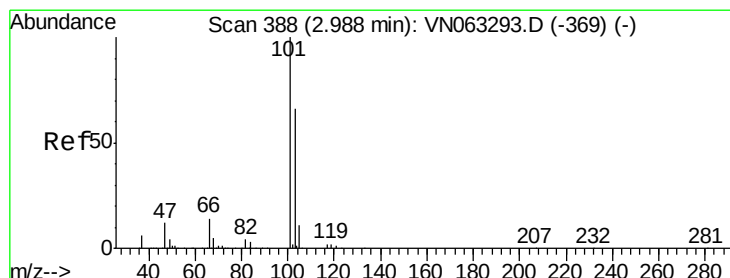
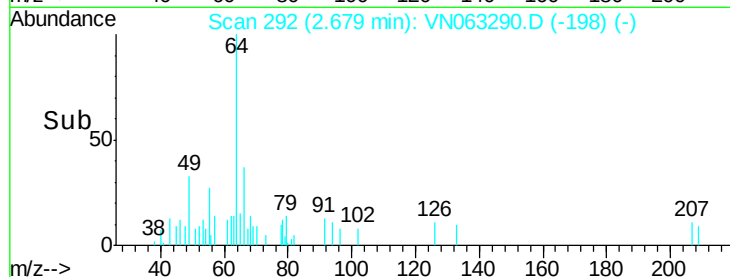
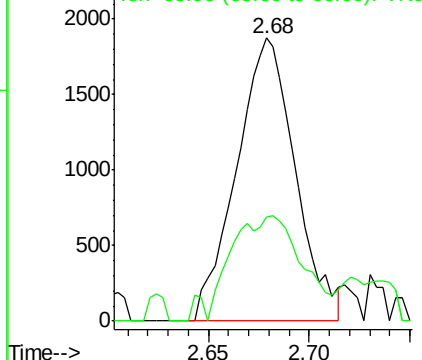
MMDadoda

9/11/2020 2:02:15 PM



Abundance Ion 63.90 (63.60 to 64.60): VN063290.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN063290.D (-198) (-)



#7

Trichlorofluoromethane

Concen: 1.015 ug/l

RT: 2.98 min Scan# 387

Delta R.T. -0.00 min

Lab File: VN063290.D

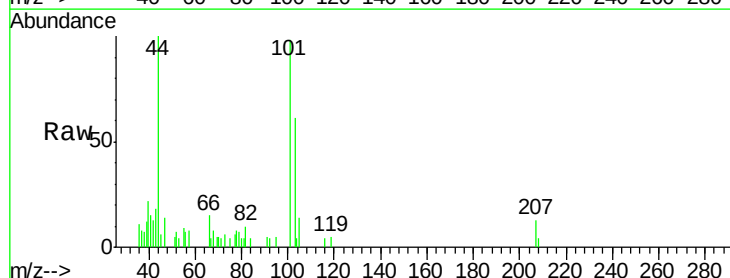
Acq: 10 Sep 2020 12:35

Tgt Ion: 101 Resp: 9075

Ion Ratio Lower Upper

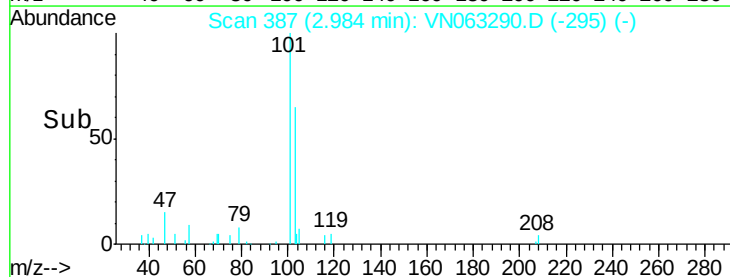
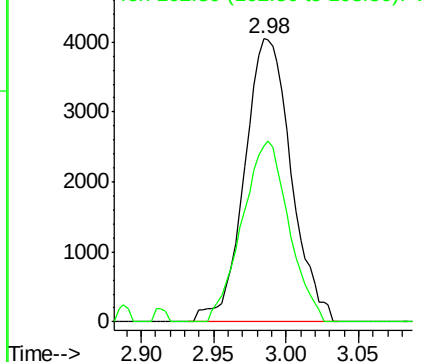
101 100

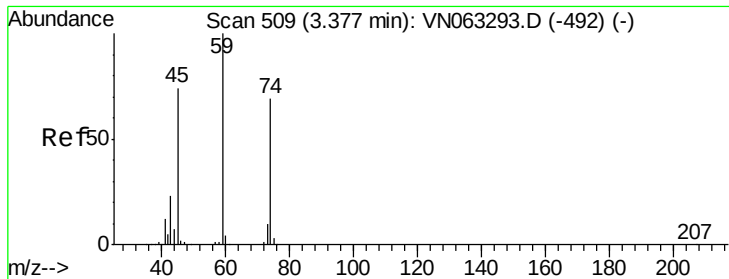
103 62.1 52.4 78.6



Abundance Ion 100.90 (100.60 to 101.60): VN063290.D (-295) (-)

Ion 102.80 (102.50 to 103.50): VN063290.D (-295) (-)





#8

Diethyl Ether

Concen: 1.123 ug/l

RT: 3.37 min Scan# 508

Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 74 Resp: 3253

Ion Ratio Lower Upper

74 100

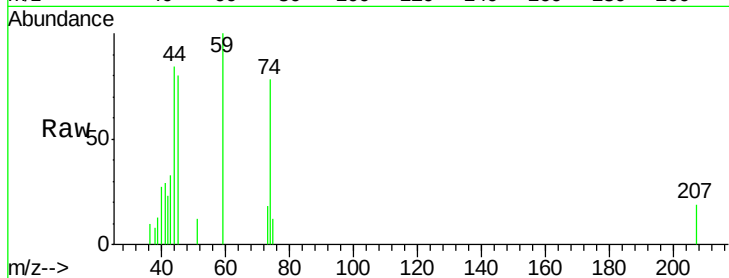
45 123.2 52.7 158.1

Manual Integrations

APPROVED

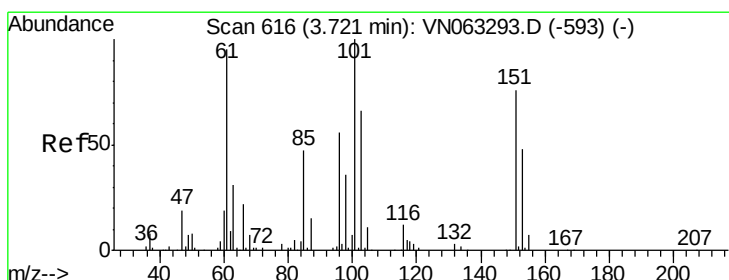
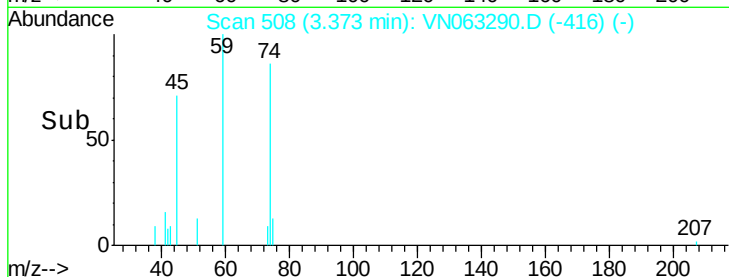
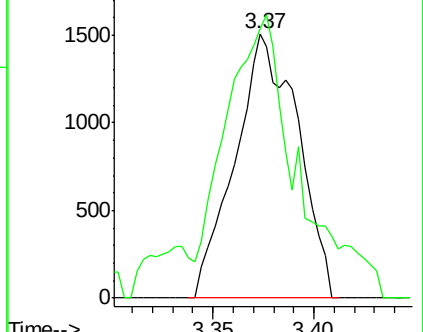
MMDadoda

9/11/2020 2:02:15 PM



Abundance Ion 74.00 (73.70 to 74.70): VN063290.D (-492) (-)

Ion 45.00 (44.70 to 45.70): VN063290.D (-492) (-)



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.138 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

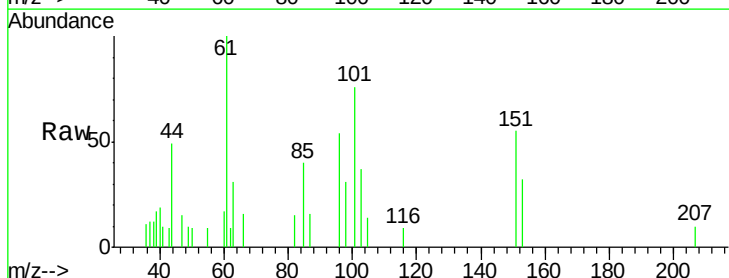
Tgt Ion: 101 Resp: 4692

Ion Ratio Lower Upper

101 100

85 47.0 36.9 55.3

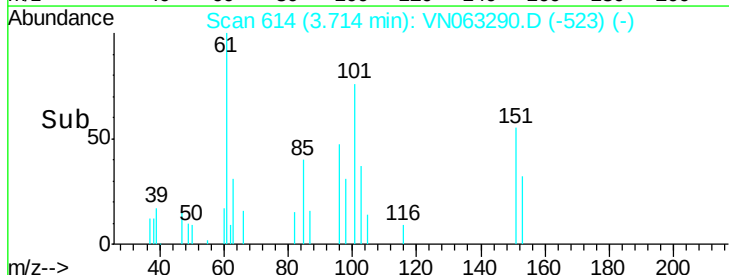
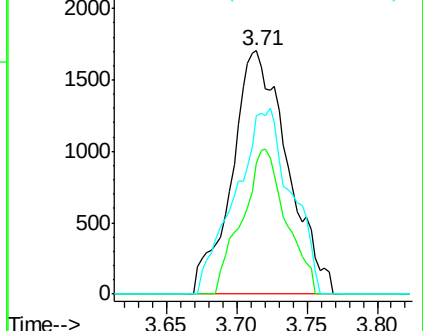
151 76.3 57.8 86.8

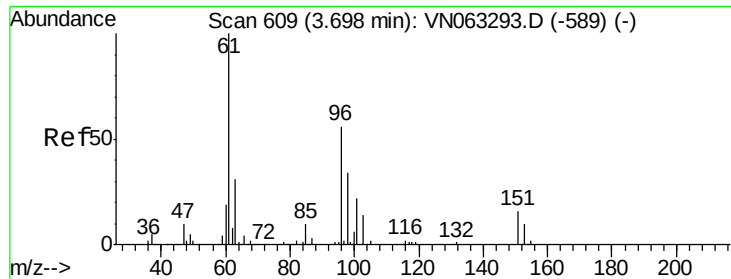


Abundance Ion 100.90 (100.60 to 101.60): VN063290.D (-523) (-)

Ion 84.90 (84.60 to 85.60): VN063290.D (-523) (-)

Ion 150.80 (150.50 to 151.50): VN063290.D (-523) (-)





#12

1,1-Dichloroethene

Concen: 1.173 ug/l

RT: 3.69 min Scan# 607

Delta R.T. -0.01 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

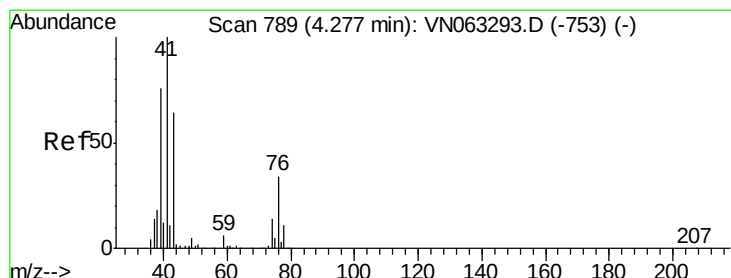
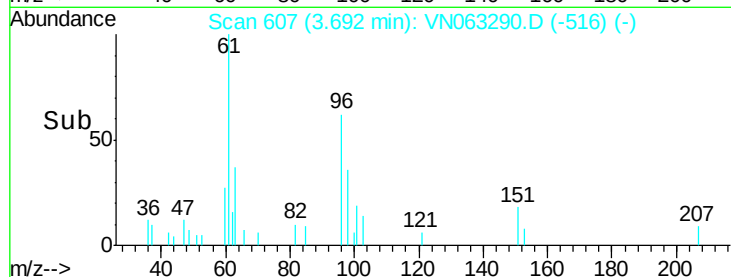
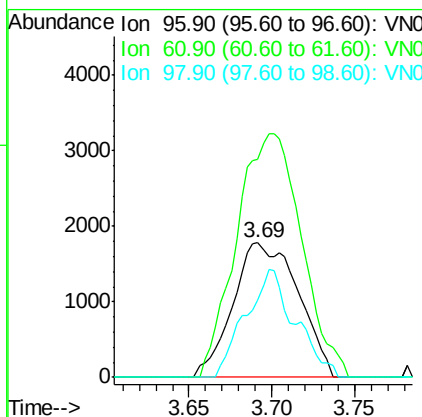
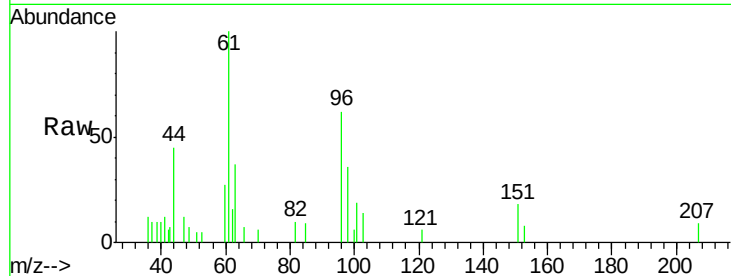
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	4894
Ion	Ratio	Lower	Upper
96	100		
61	162.0	142.1	213.1
98	57.8	48.8	73.2

Manual Integrations
APPROVED

MMDadoda
9/11/2020 2:02:15 PM



#14

Allyl chloride

Concen: 1.492 ug/l

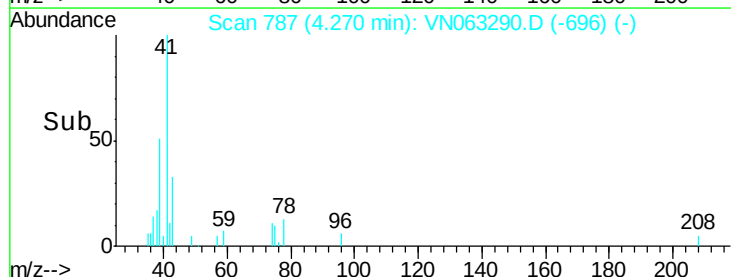
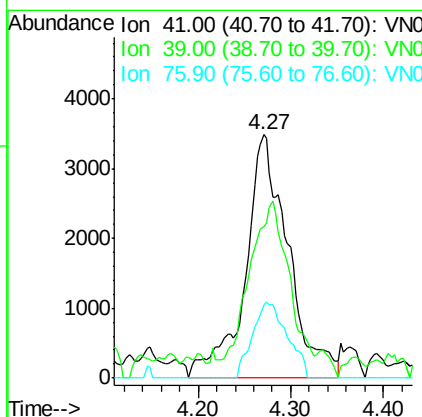
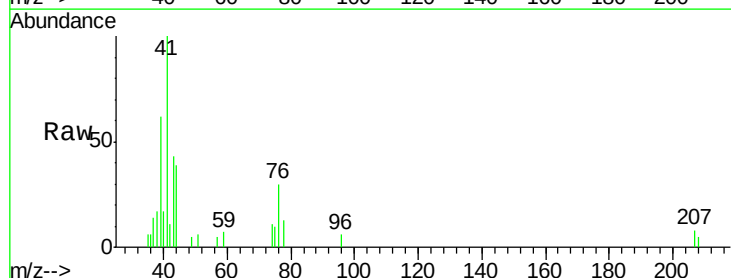
RT: 4.27 min Scan# 787

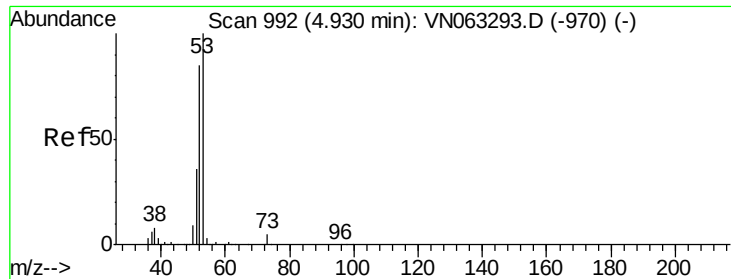
Delta R.T. -0.01 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Tgt Ion:	41	Resp:	11215
Ion	Ratio	Lower	Upper
41	100		
39	56.5	57.4	86.2#
76	25.4	25.7	38.5#





#15

Acrylonitrile

Concen: 6.070 ug/l m

RT: 4.95 min Scan# 997

Delta R.T. 0.02 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

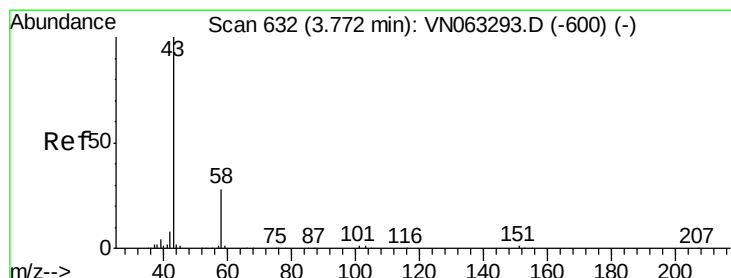
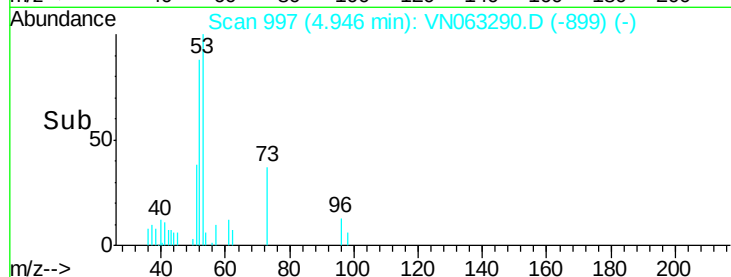
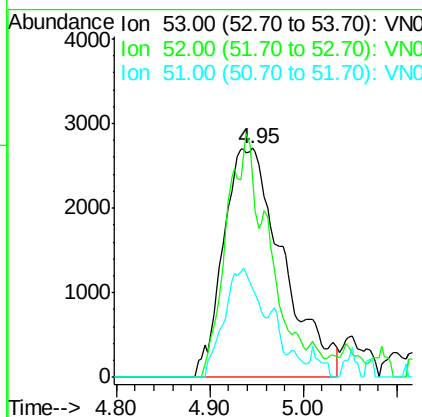
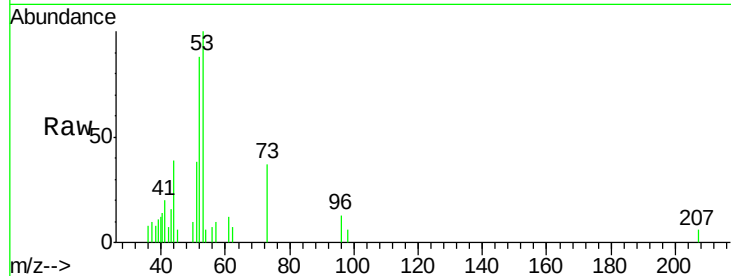
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	11976
Ion	Ratio	Lower	Upper
53	100		
52	28.7	66.5	99.7#
51	28.3	29.8	44.6#

Manual Integrations
APPROVED

MMDadoda
9/11/2020 2:02:15 PM



#16

Acetone

Concen: 7.338 ug/l

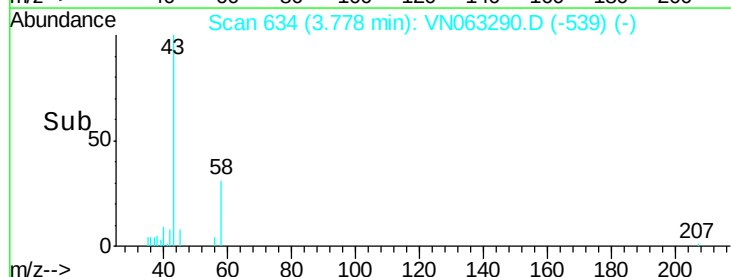
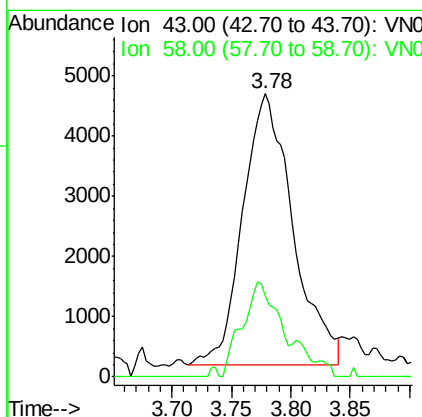
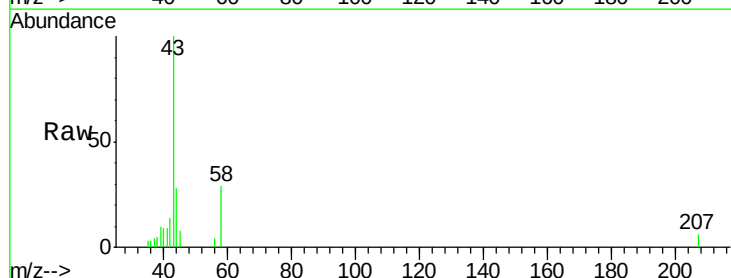
RT: 3.78 min Scan# 634

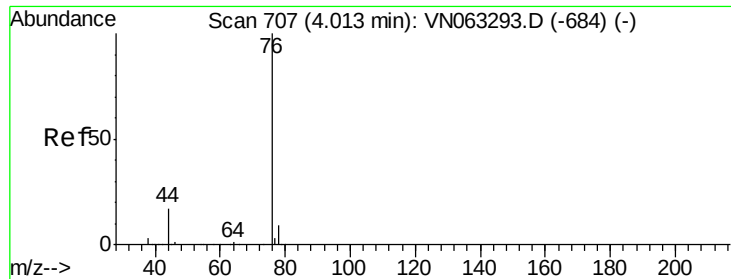
Delta R.T. 0.01 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Tgt Ion:	43	Resp:	13208
Ion	Ratio	Lower	Upper
43	100		
58	30.1	22.6	34.0





#17

Carbon Disulfide

Concen: 1.484 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 18454

Ion Ratio Lower Upper

76 100

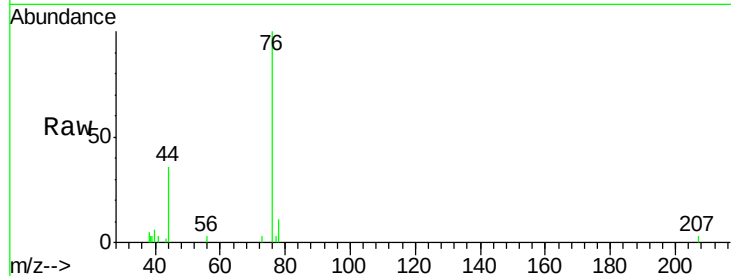
78 10.6 7.2 10.8

Manual Integrations

APPROVED

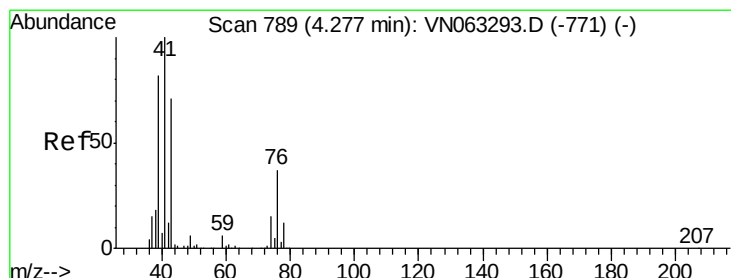
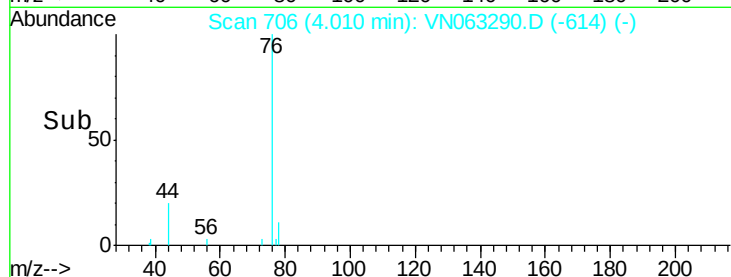
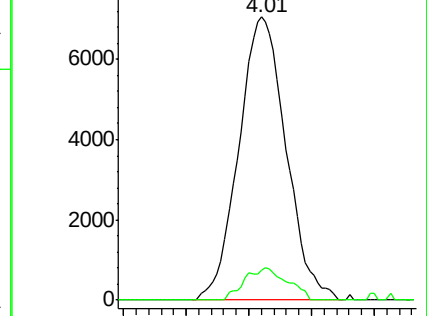
MMDadoda

9/11/2020 2:02:15 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.366 ug/l

RT: 4.29 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN063290.D

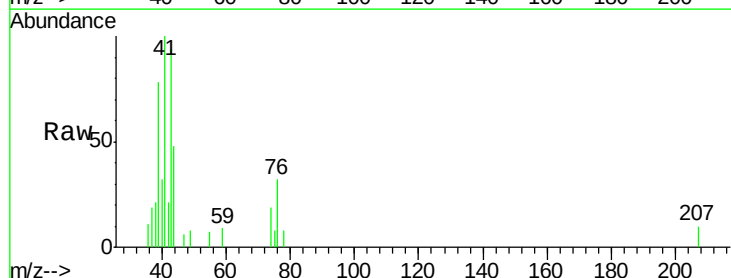
Acq: 10 Sep 2020 12:35

Tgt Ion: 43 Resp: 6267

Ion Ratio Lower Upper

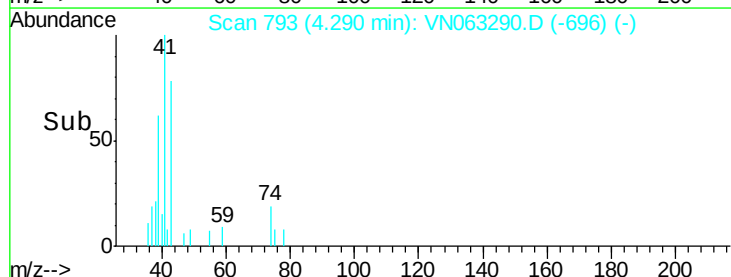
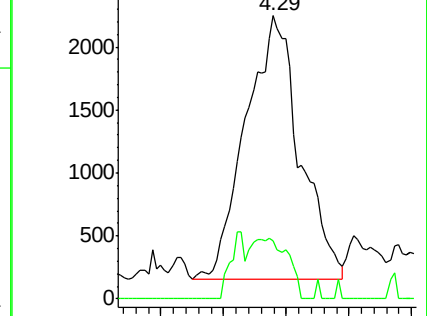
43 100

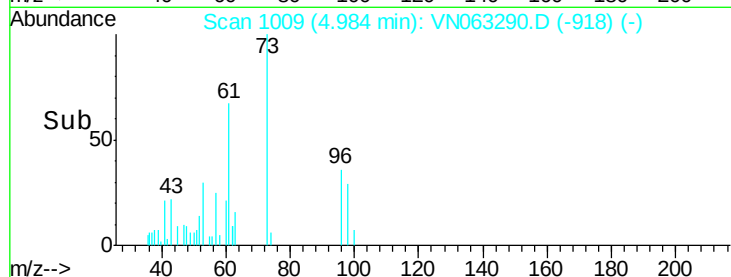
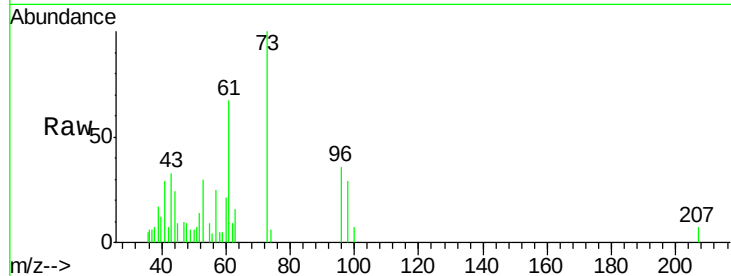
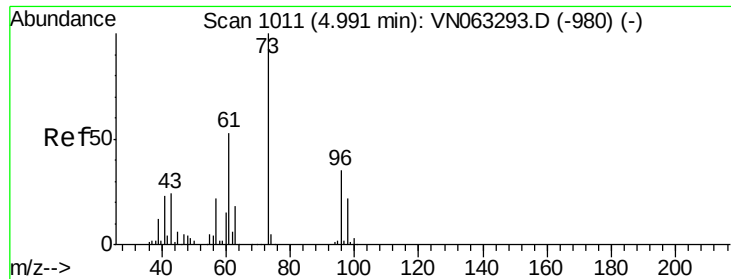
74 14.6 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





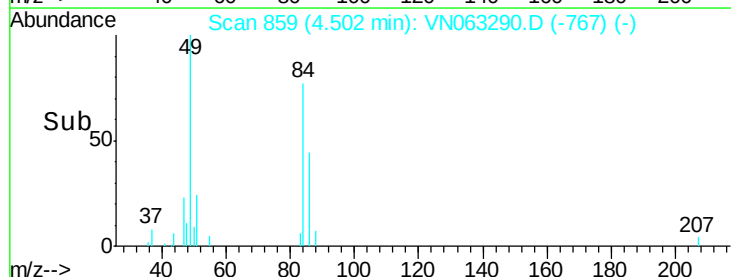
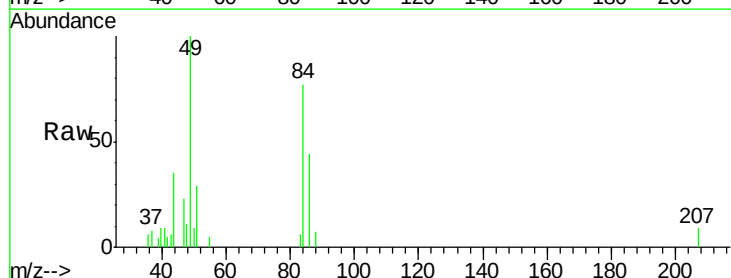
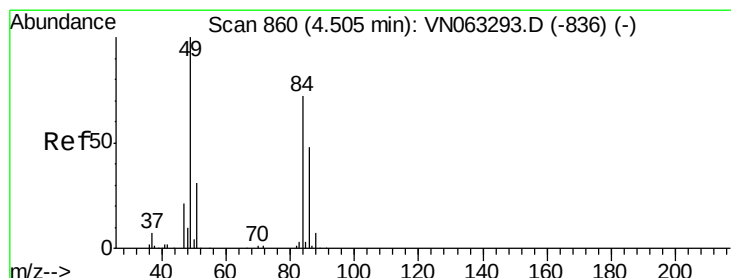
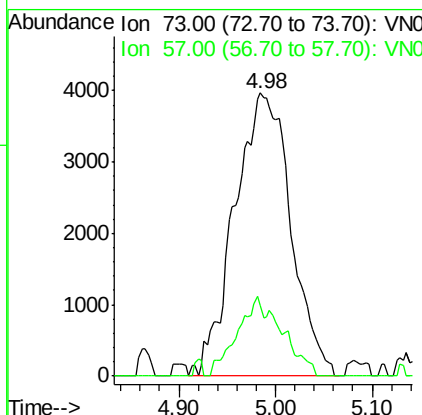
#19
Methyl tert-butyl Ether
Concen: 1.043 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Tot Ion: 73 Resp: 16047
Ion Ratio Lower Upper
73 100
57 25.0 17.5 26.3

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

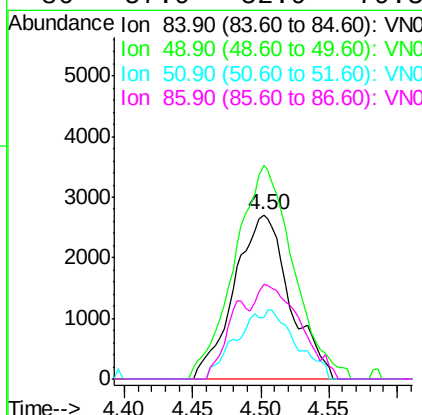
Manual Integrations
APPROVED

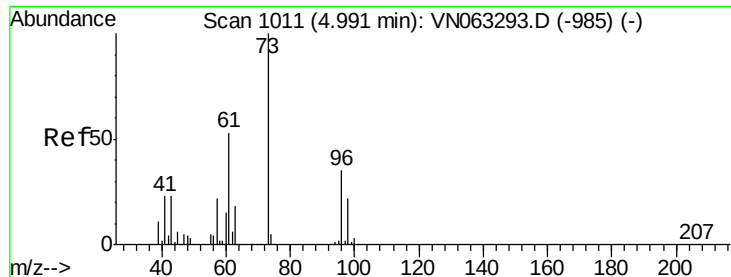
MMDadoda
9/11/2020 2:02:15 PM



#20
Methylene Chloride
Concen: 1.435 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Tgt Ion: 84 Resp: 7669
Ion Ratio Lower Upper
84 100
49 130.2 111.1 166.7
51 37.3 34.3 51.5
86 57.9 52.9 79.3





#21

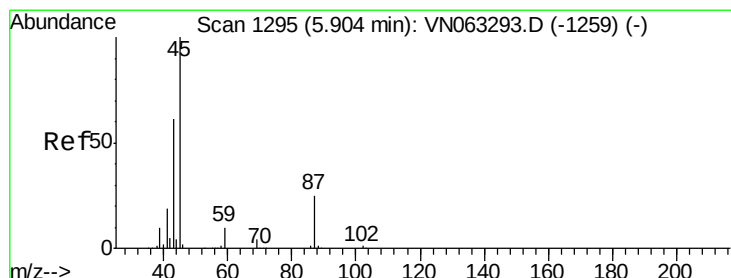
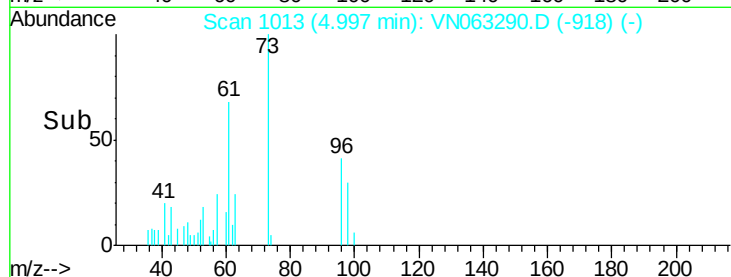
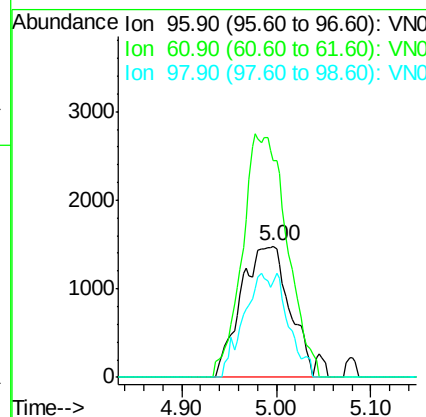
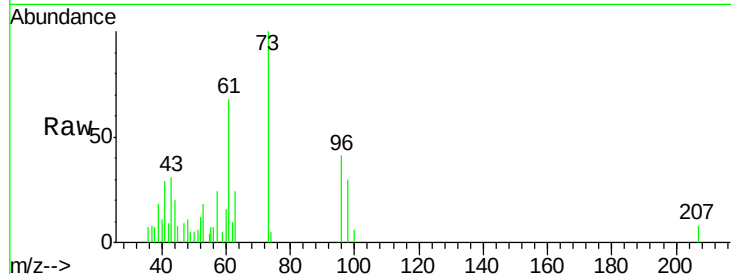
trans-1,2-Dichloroethene
Concen: 1.190 ug/l m
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.2	121.8	182.8
98	72.1	51.2	76.8

Manual Integrations
APPROVED

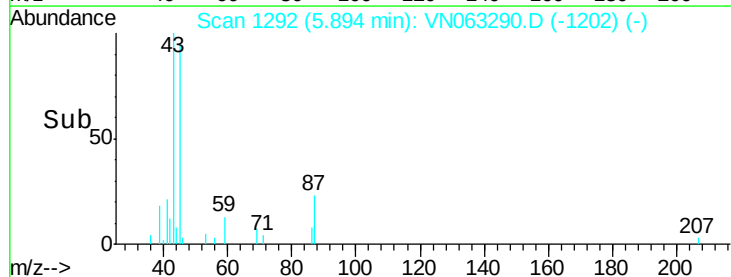
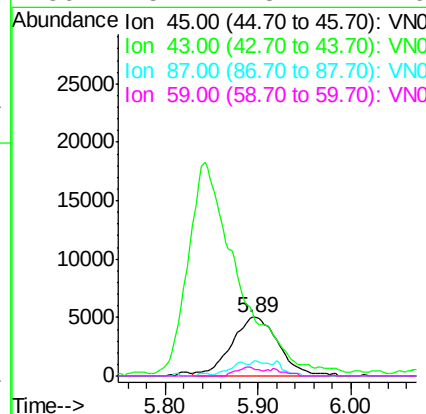
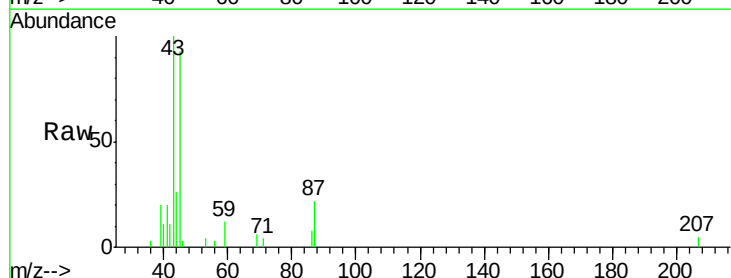
MMDadoda
9/11/2020 2:02:15 PM

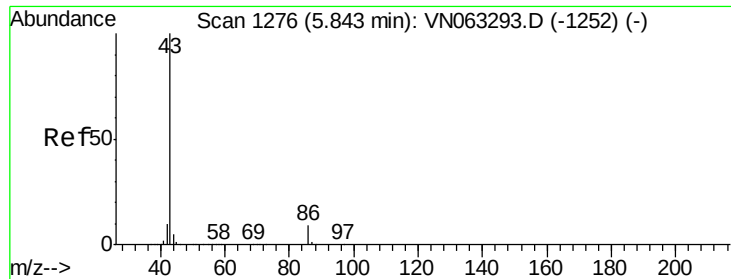


#22

Diisopropyl ether
Concen: 1.068 ug/l
RT: 5.89 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	98.4	50.3	75.5#
87	23.5	20.7	31.1
59	13.1	8.4	12.6#





#23

Vinyl Acetate

Concen: 4.891 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 64842

Ion Ratio Lower Upper

43 100

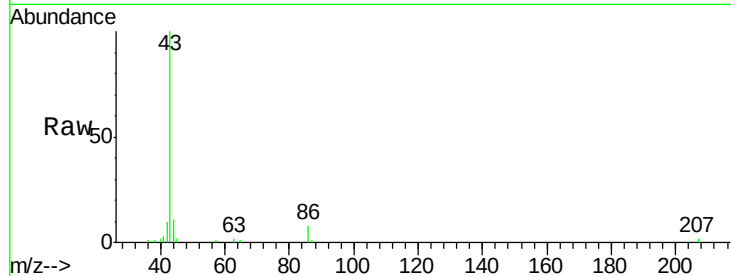
86 8.6 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

9/11/2020 2:02:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

20000

15000

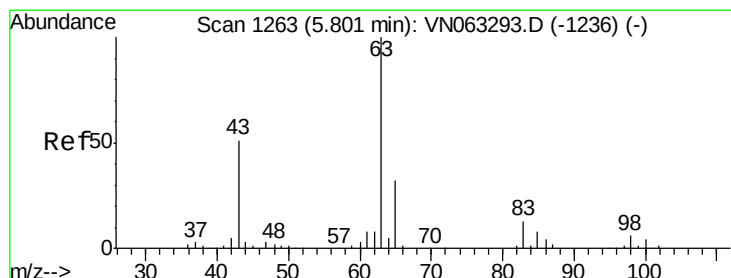
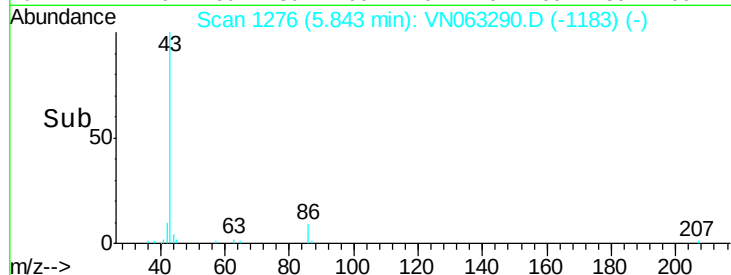
10000

5000

0

5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 1.099 ug/l m

RT: 5.80 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

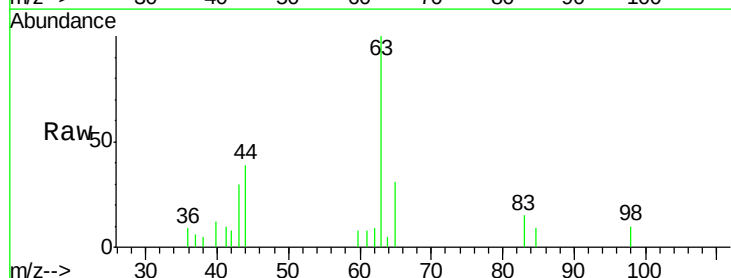
Tgt Ion: 63 Resp: 10051

Ion Ratio Lower Upper

63 100

98 9.7 3.1 9.3#

100 0.0 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

4000

3000

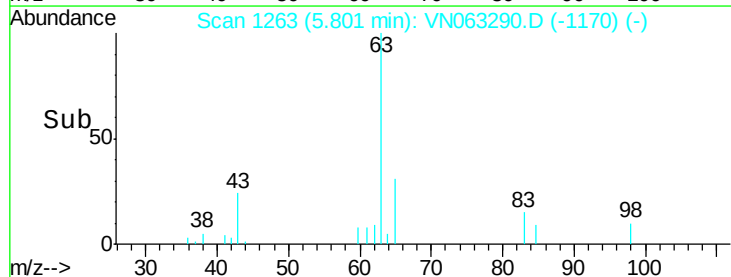
2000

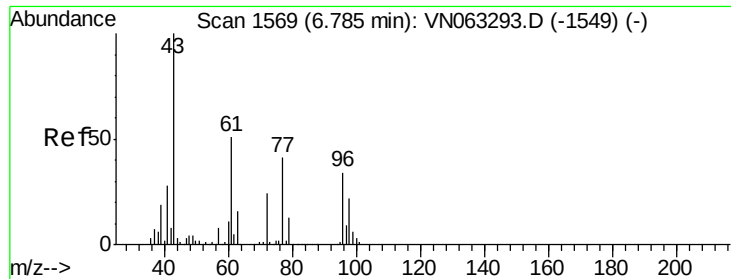
1000

0

5.70 5.80 5.90

Time-->





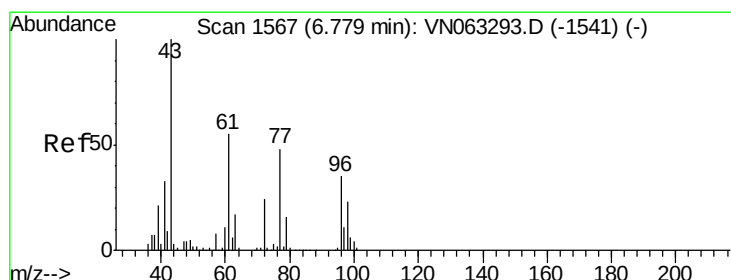
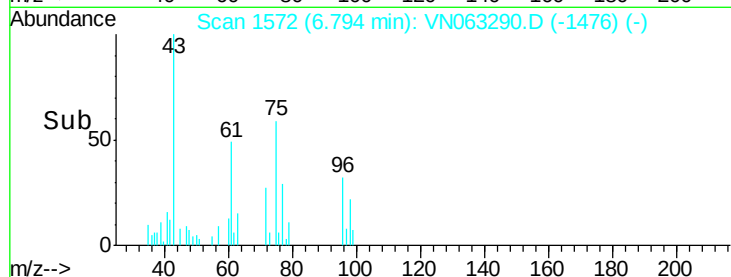
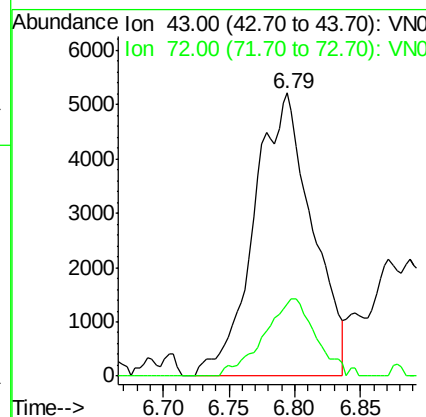
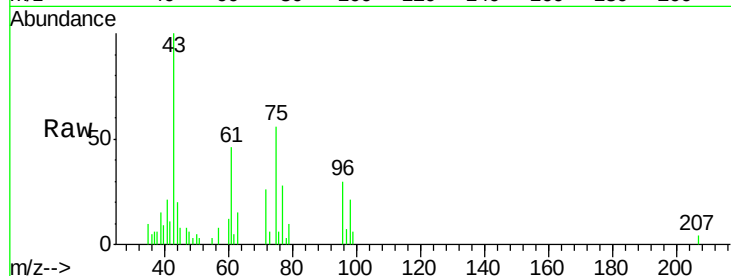
#25
2-Butanone
Concen: 5.801 ug/l m
RT: 6.79 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 16050
Ion Ratio Lower Upper
43 100
72 25.7 19.4 29.2

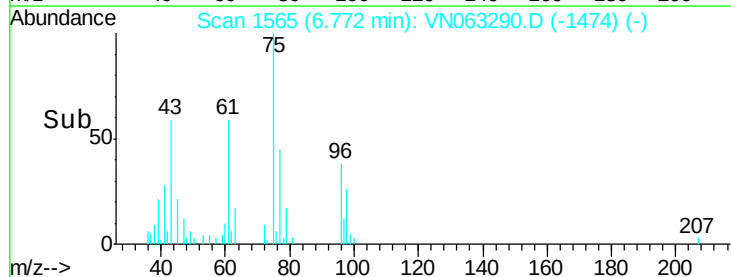
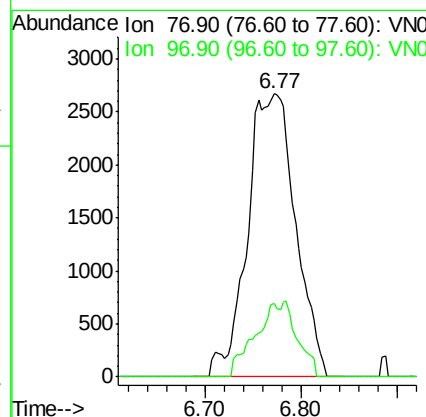
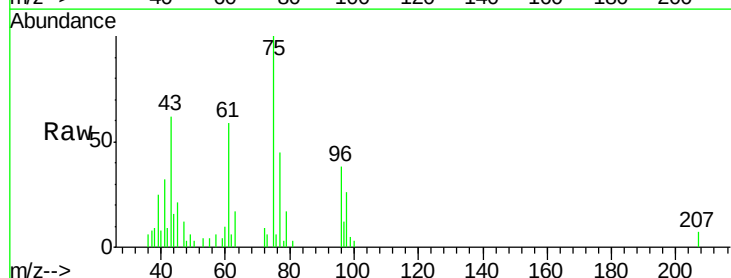
Manual Integrations
APPROVED

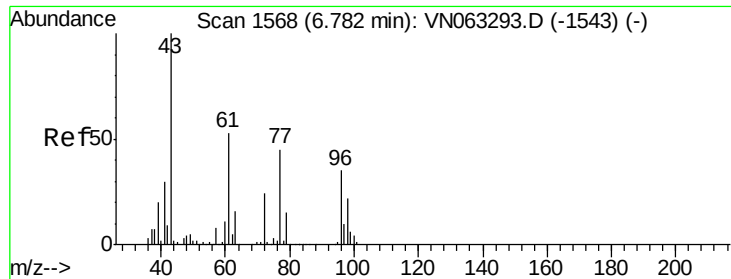
MMDadoda
9/11/2020 2:02:15 PM



#26
2,2-Dichloropropane
Concen: 1.115 ug/l m
RT: 6.77 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Tgt Ion: 77 Resp: 9255
Ion Ratio Lower Upper
77 100
97 14.0 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 1.169 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

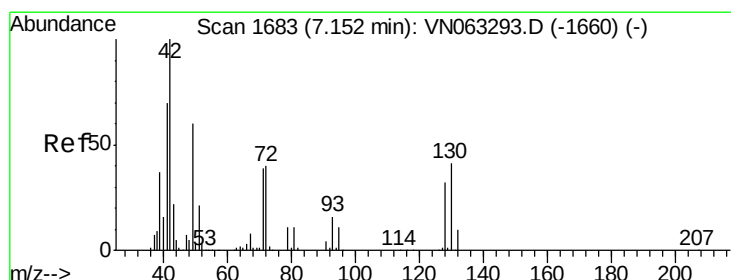
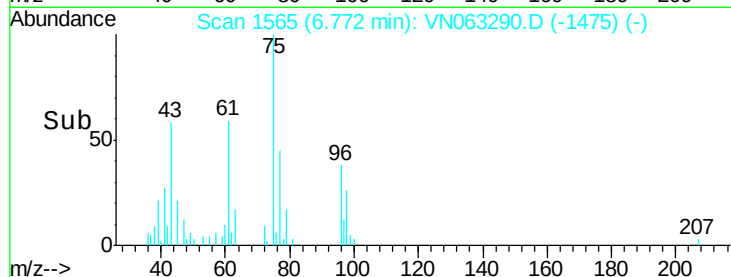
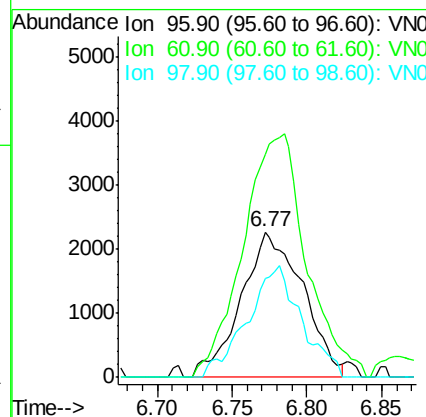
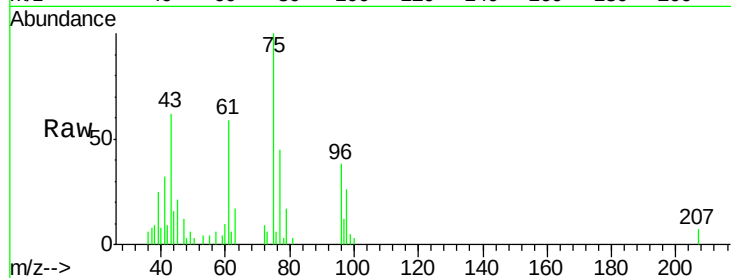
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	6509
Ion	Ratio	Lower	Upper
96	100		
61	171.6	0.0	322.8
98	67.2	0.0	132.2

Manual Integrations
APPROVED

MMDadoda
9/11/2020 2:02:15 PM



#28

Bromochloromethane

Concen: 1.115 ug/l

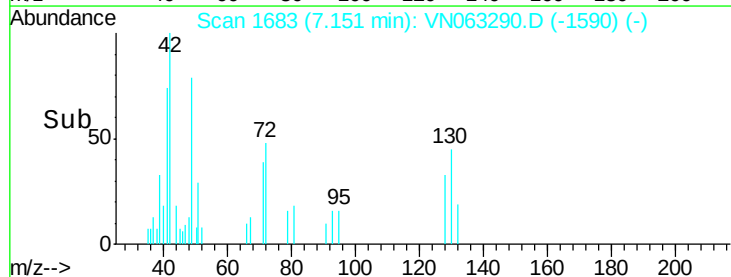
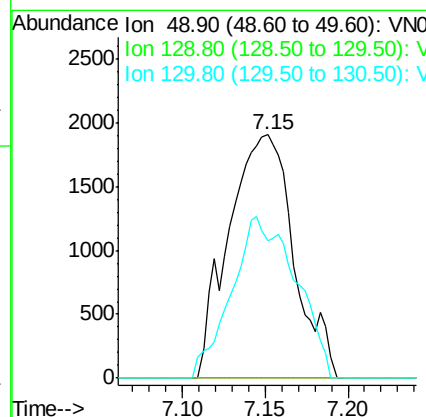
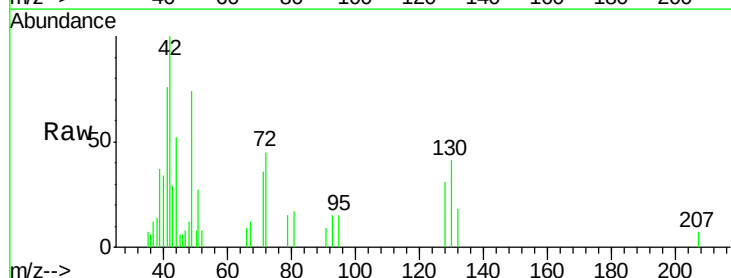
RT: 7.15 min Scan# 1683

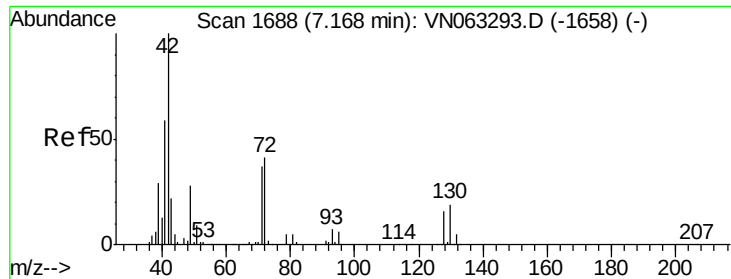
Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Tgt Ion:	49	Resp:	5219
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	65.5	53.1	79.7





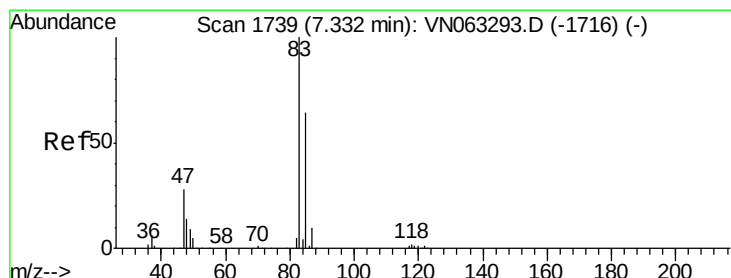
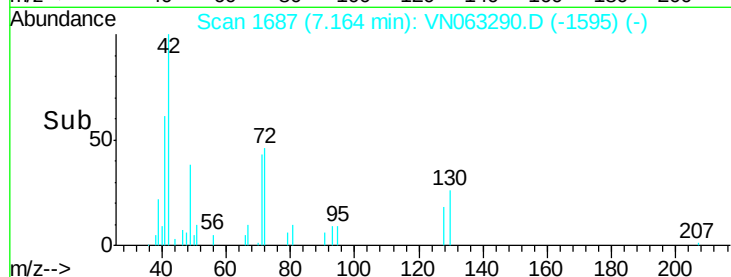
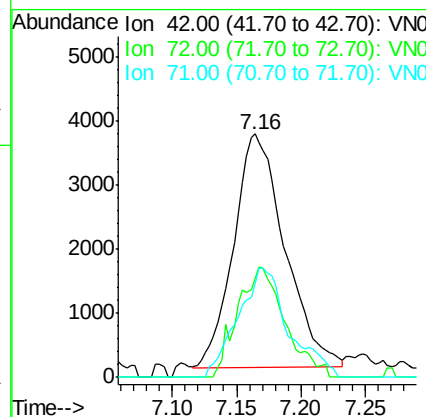
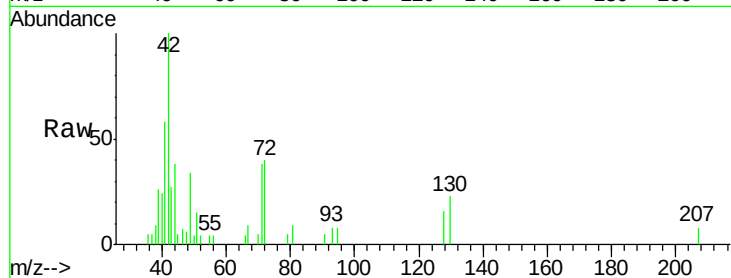
#29
Tetrahydrofuran
Concen: 5.289 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	31.4	47.2
71	46.3	30.0	45.0

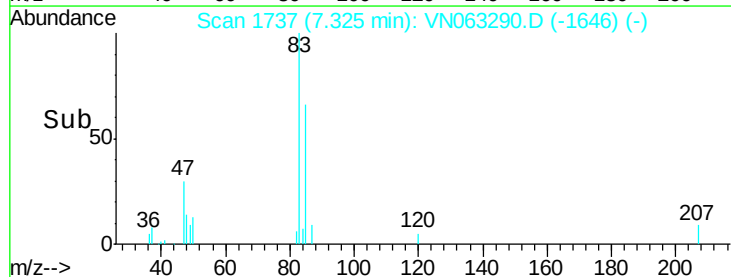
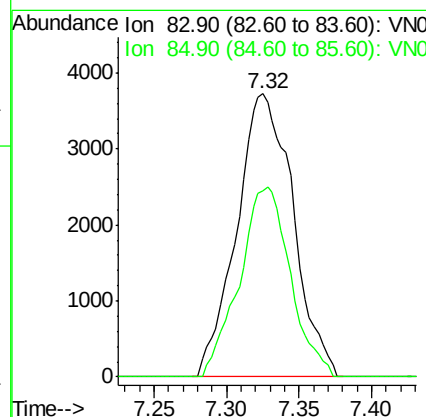
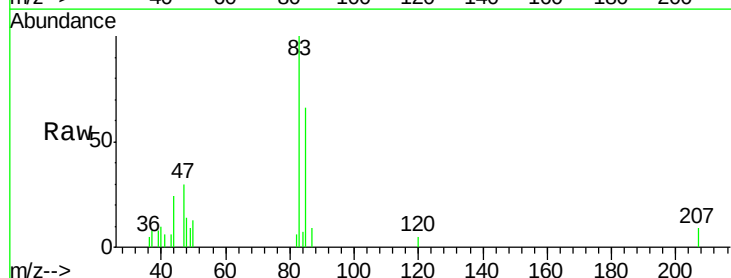
Manual Integrations
APPROVED

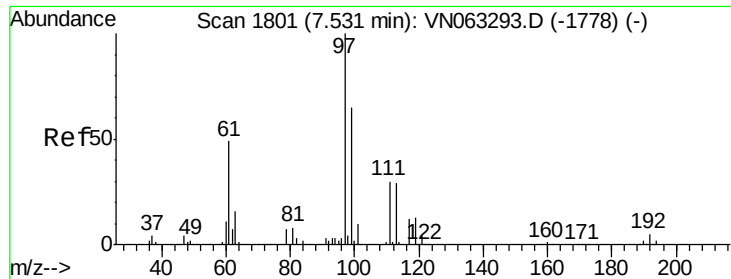
MMDadoda
9/11/2020 2:02:15 PM



#30
Chloroform
Concen: 1.055 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.2	76.8





#32

1,1,1-Trichloroethane

Concen: 1.052 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

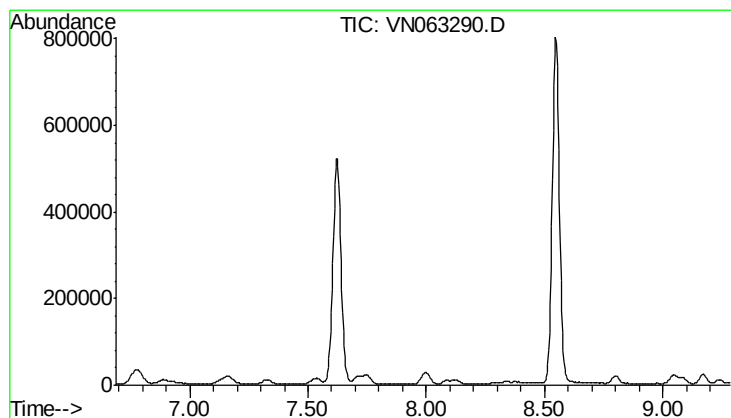
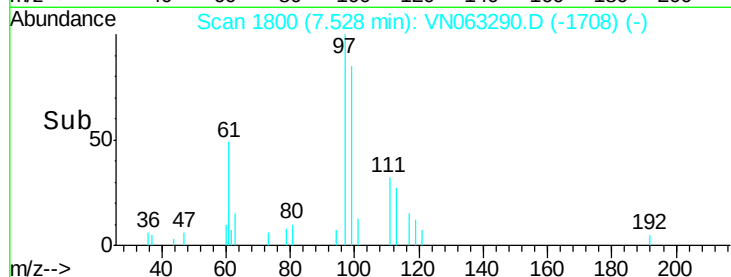
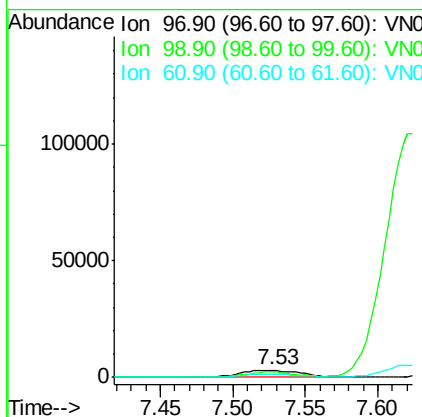
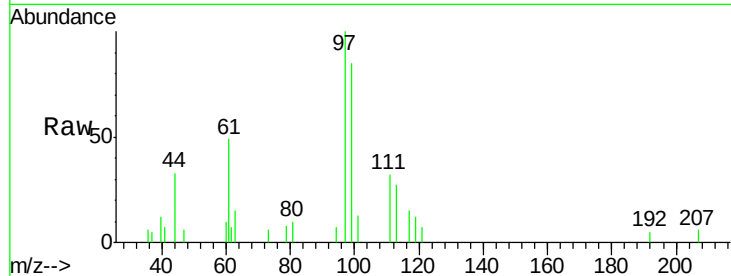
ClientSampled :

VSTDIC001

Tot Ion:	97	Resp:	8617
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.4	77.2#
61	49.6	38.9	58.3

Manual Integrations
APPROVED

MMDadoda
9/11/2020 2:02:15 PM



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 7.99 min

Lab File: VN063290.D

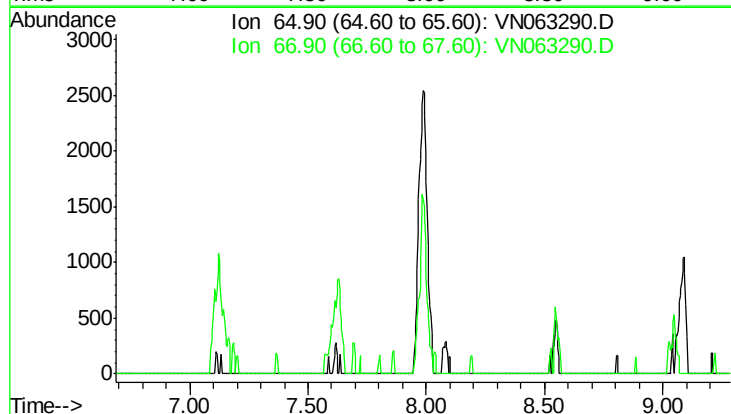
Acq: 10 Sep 2020 12:35

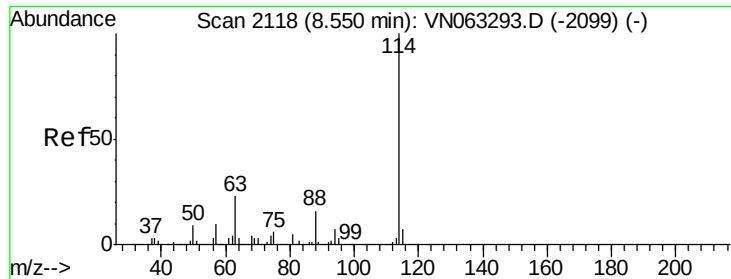
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.3





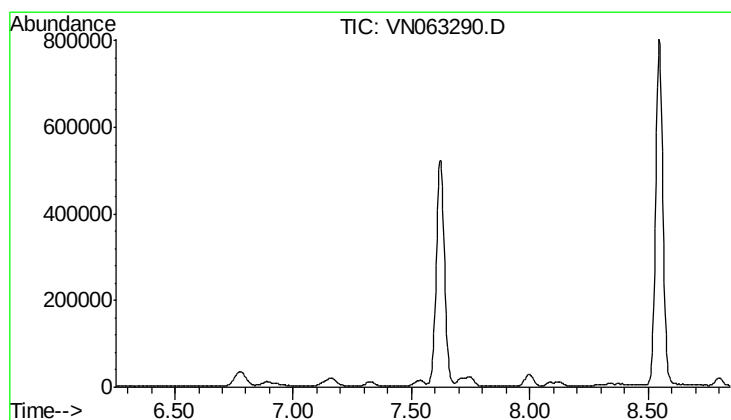
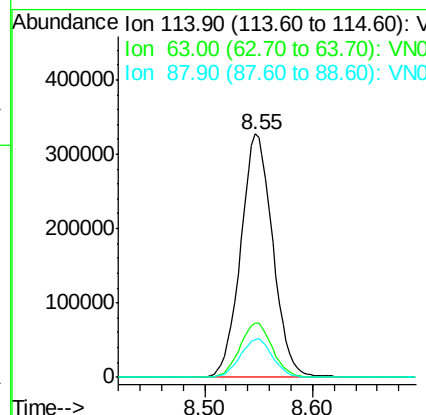
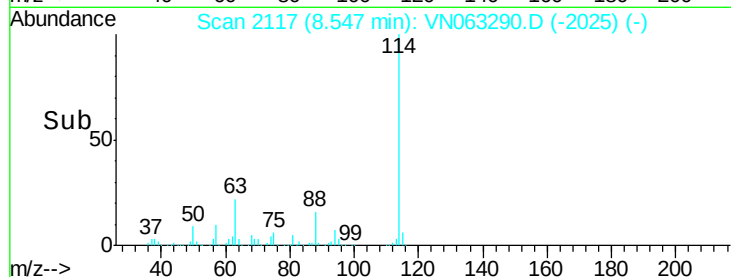
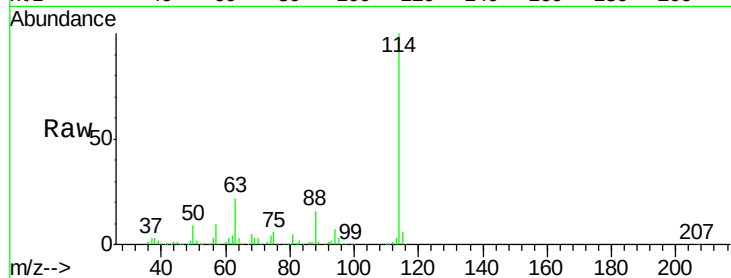
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN063290.D
 Acq: 10 Sep 2020 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	22.4	0.0	46.0
88	15.7	0.0	32.8

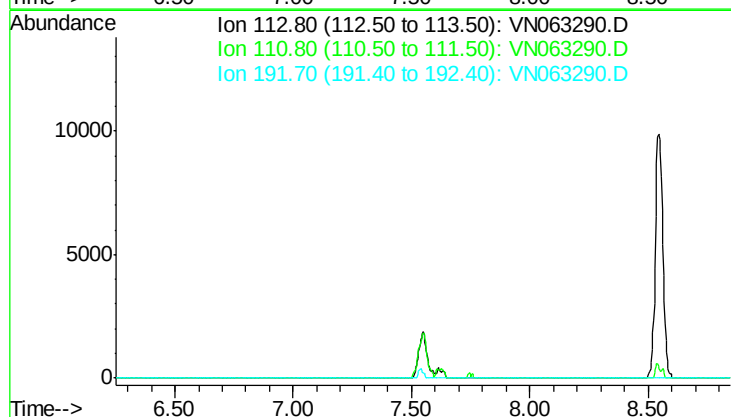
Manual Integrations
 APPROVED

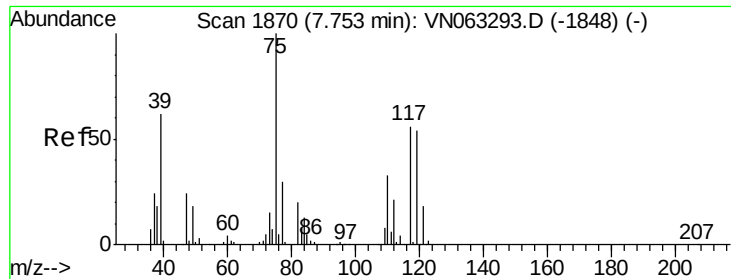
MMDadoda
 9/11/2020 2:02:15 PM



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.55 min
 Lab File: VN063290.D
 Acq: 10 Sep 2020 12:35

Tgt Ion	Exp Ratio
113	100
111	102.7
192	16.1





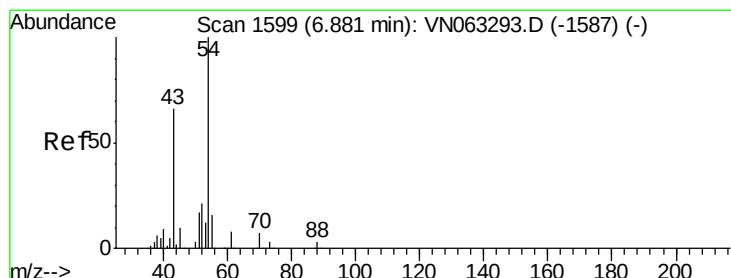
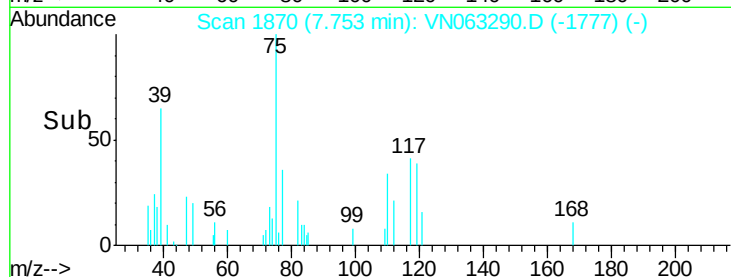
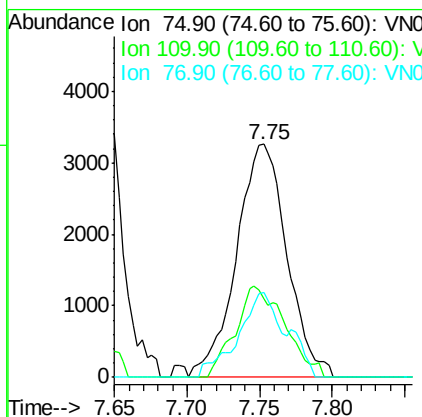
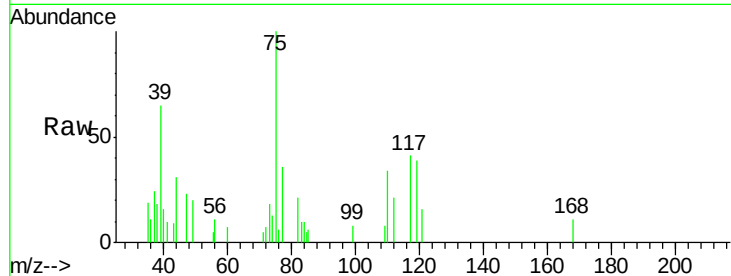
#36
 1,1-Dichloropropene
 Concen: 1.216 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063290.D
 Acq: 10 Sep 2020 12:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.6	16.4	49.4
77	29.1	24.8	37.2

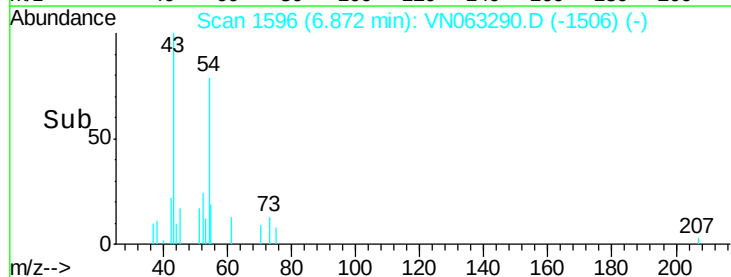
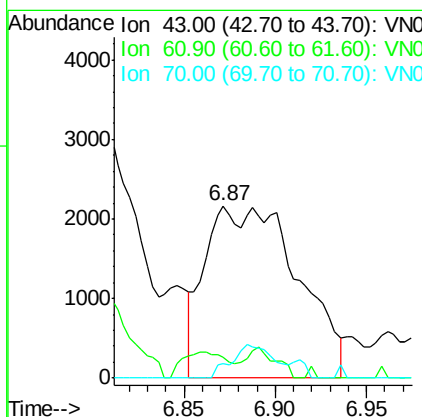
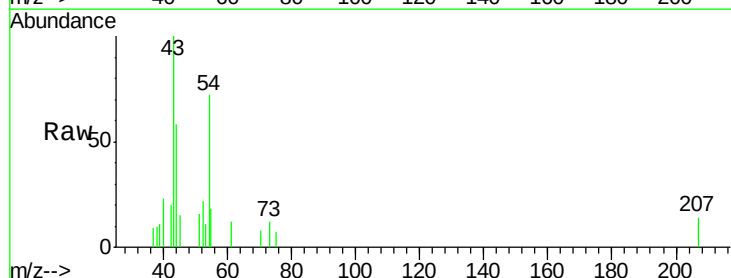
Manual Integrations
 APPROVED

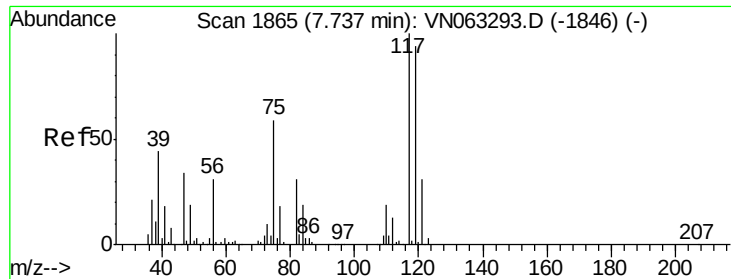
MMDadoda
 9/11/2020 2:02:15 PM



#37
 Ethyl Acetate
 Concen: 1.374 ug/l m
 RT: 6.87 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: VN063290.D
 Acq: 10 Sep 2020 12:35

Tgt Ion	Ratio	Lower	Upper
43	100		
61	7.3	10.1	15.1#
70	0.0	7.4	11.2#





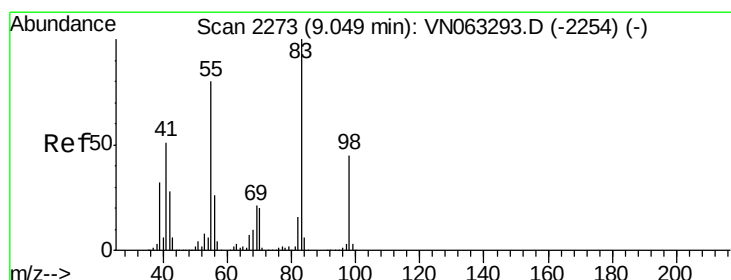
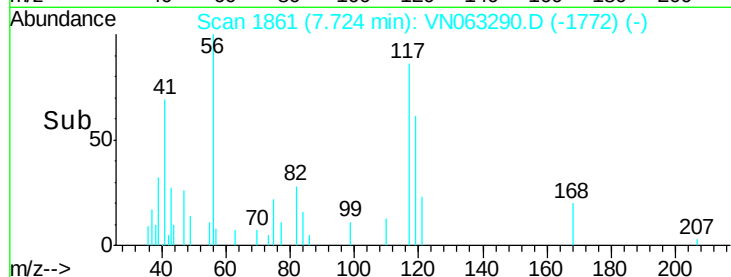
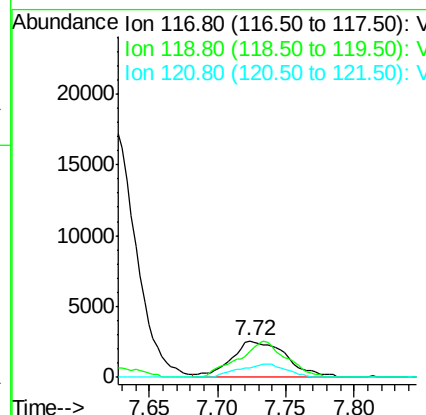
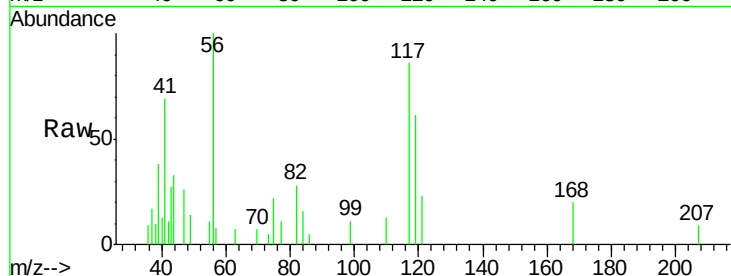
#38
Carbon Tetrachloride
Concen: 1.098 ug/l
RT: 7.72 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	70.6	75.3	112.9#
121	26.4	24.6	37.0

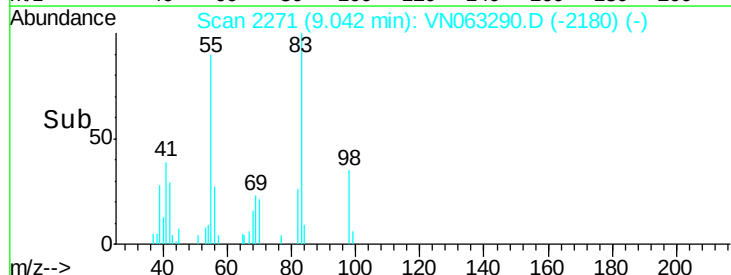
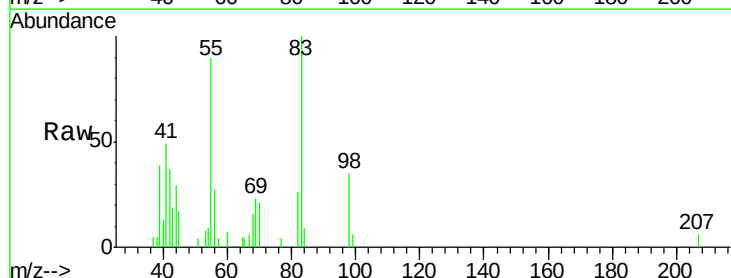
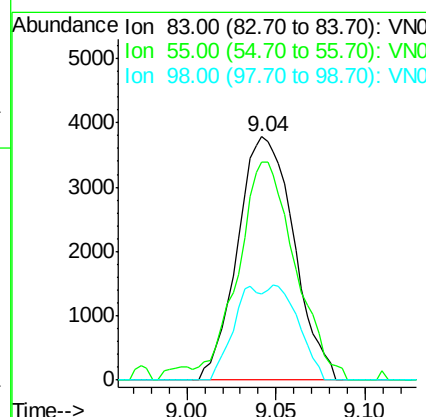
Manual Integrations
APPROVED

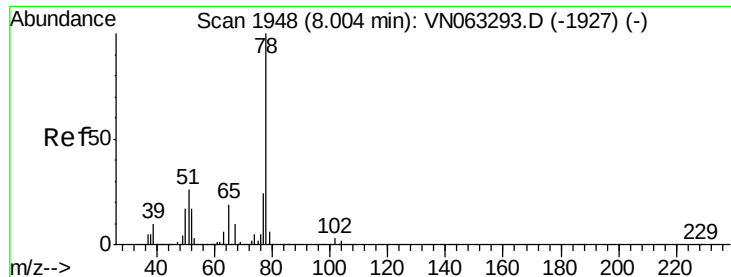
MMDadoda
9/11/2020 2:02:15 PM



#39
Methylcyclohexane
Concen: 1.144 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.01 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.3	64.0	96.0
98	35.4	36.4	54.6#





#40

Benzene

Concen: 1.146 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 78 Resp: 21744

Ion Ratio Lower Upper

78 100

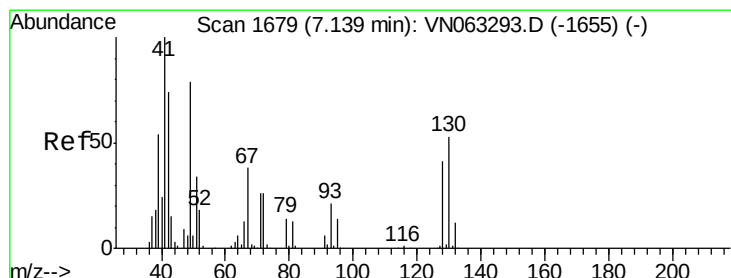
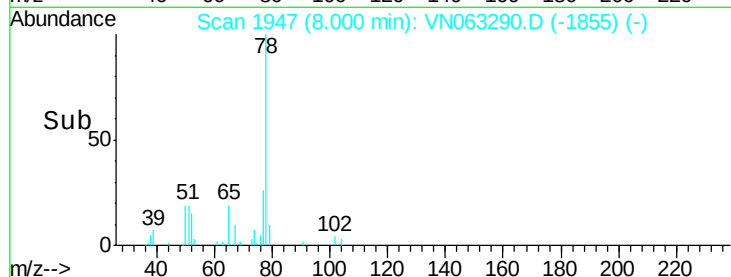
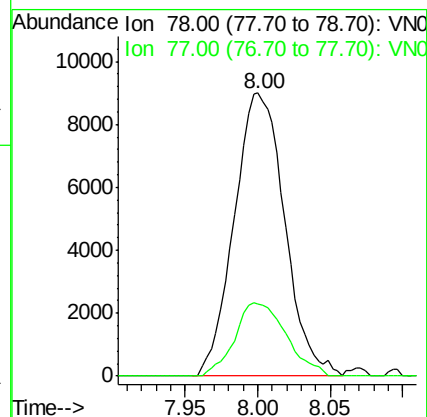
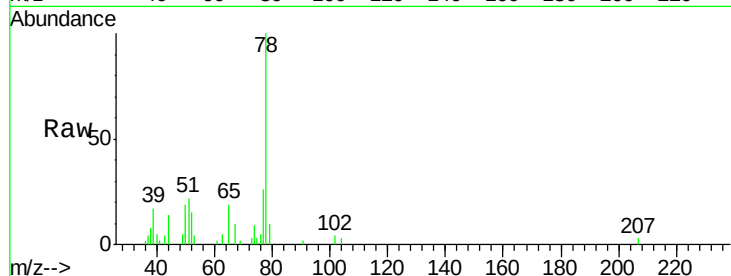
77 25.6 18.8 28.2

Manual Integrations

APPROVED

MMDadoda

9/11/2020 2:02:15 PM



#41

Methacrylonitrile

Concen: 1.078 ug/l m

RT: 7.13 min Scan# 1675

Delta R.T. -0.01 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Tgt Ion: 41 Resp: 3029

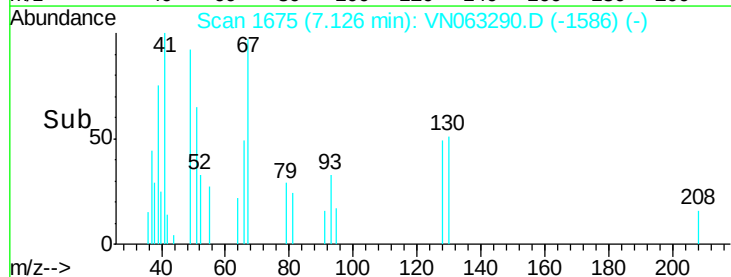
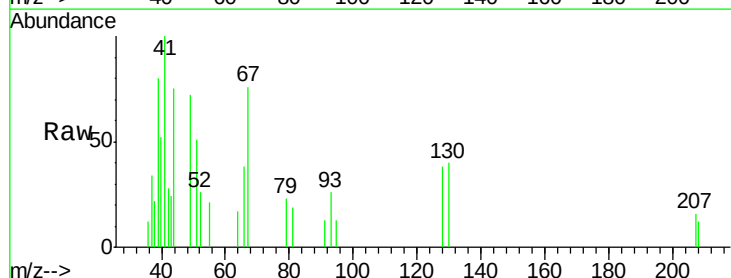
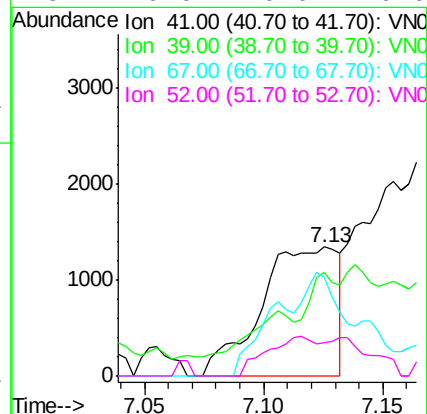
Ion Ratio Lower Upper

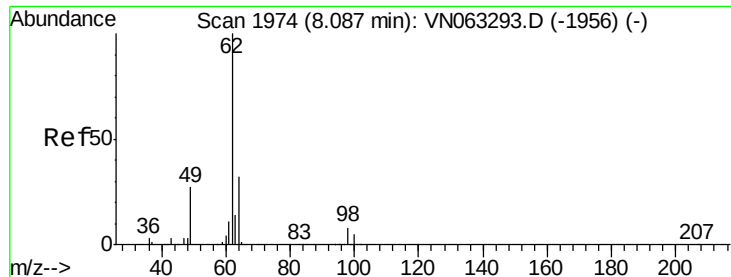
41 100

39 18.6 0.0 0.0#

67 27.1 0.0 0.0#

52 0.0 0.0 0.0





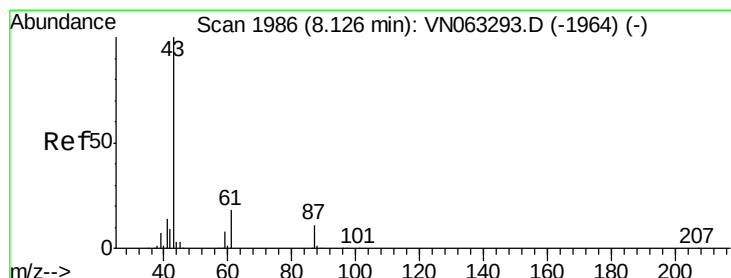
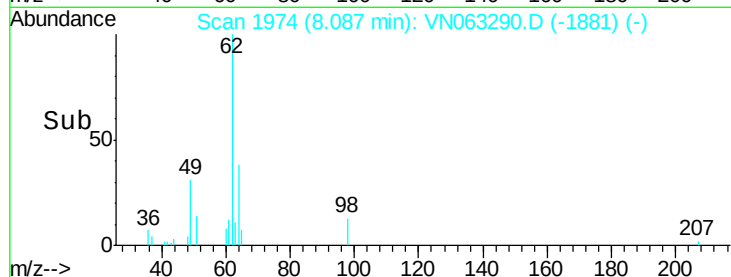
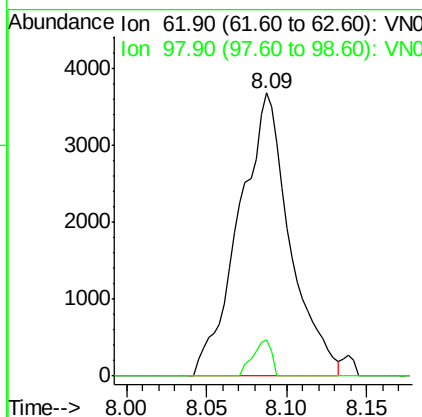
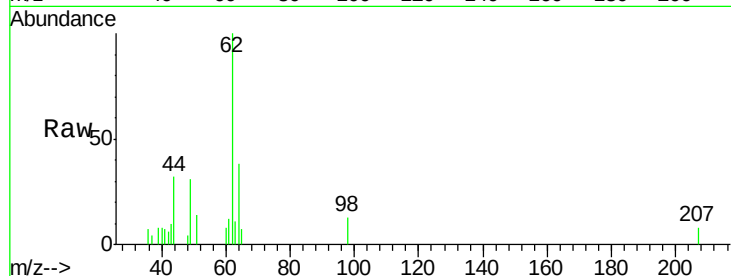
#42
 1,2-Dichloroethane
 Concen: 1.135 ug/l
 RT: 8.09 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VN063290.D
 Acq: 10 Sep 2020 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	8081		
98	4.6	0.0	15.4	

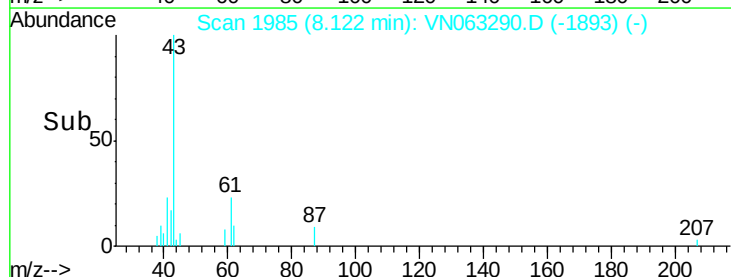
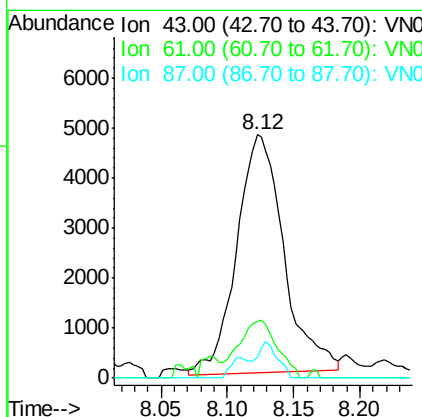
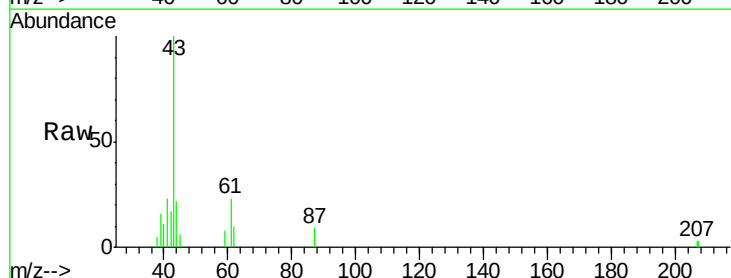
Manual Integrations
 APPROVED

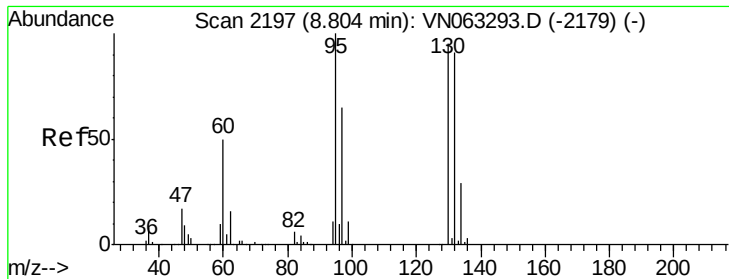
MMDadoda
 9/11/2020 2:02:15 PM



#43
 Isopropyl Acetate
 Concen: 1.112 ug/l
 RT: 8.12 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VN063290.D
 Acq: 10 Sep 2020 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	11776		
61	19.5	15.1	22.7	
87	6.6	9.2	13.8#	





#44

Trichloroethene

Concen: 1.297 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 6062

Ion Ratio Lower Upper

130 100

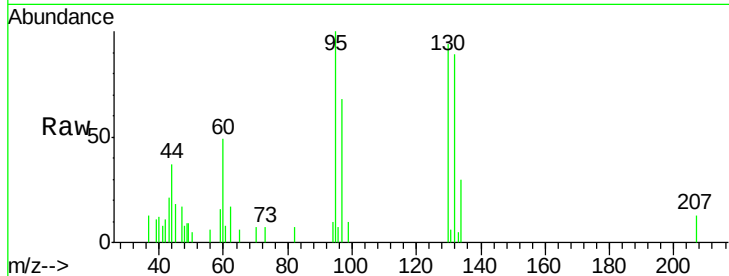
95 106.9 0.0 210.8

Manual Integrations

APPROVED

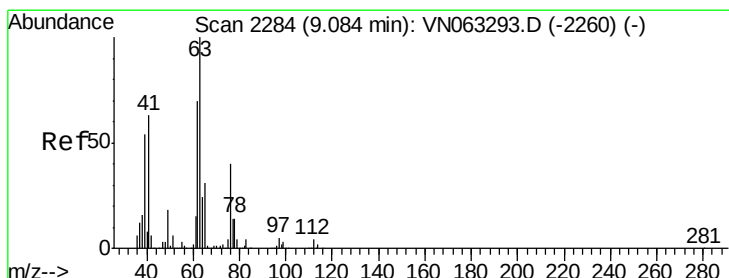
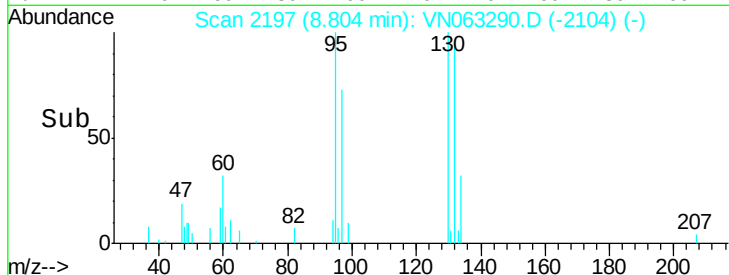
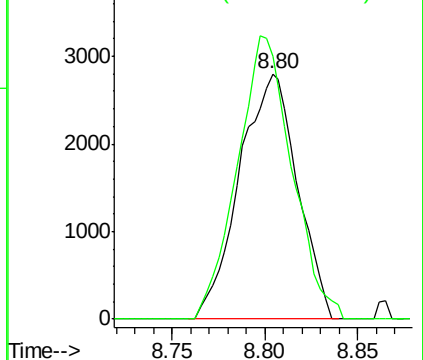
MMDadoda

9/11/2020 2:02:15 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 1.187 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN063290.D

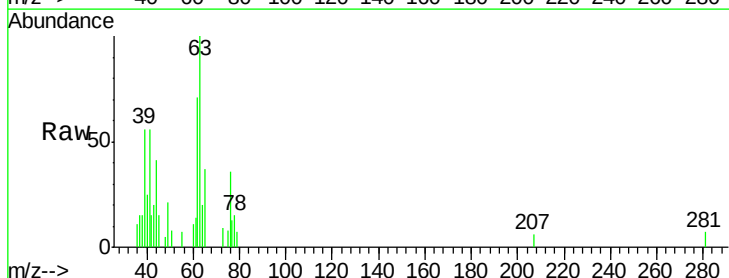
Acq: 10 Sep 2020 12:35

Tgt Ion: 63 Resp: 6016

Ion Ratio Lower Upper

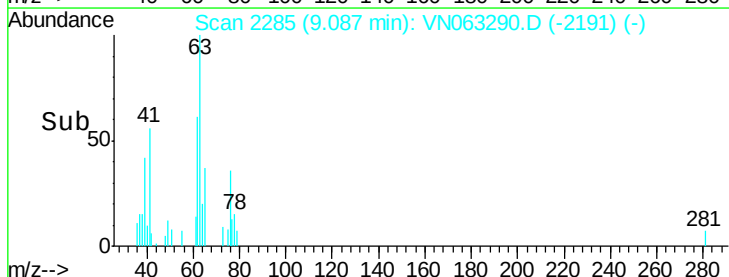
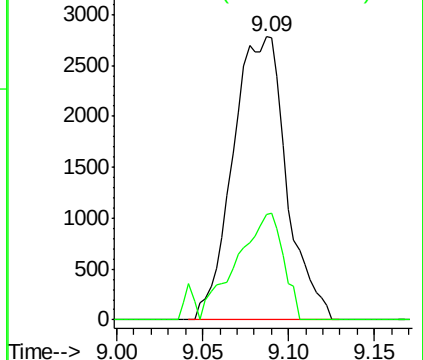
63 100

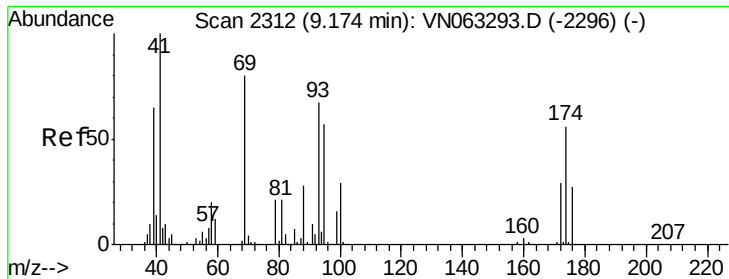
65 37.4 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





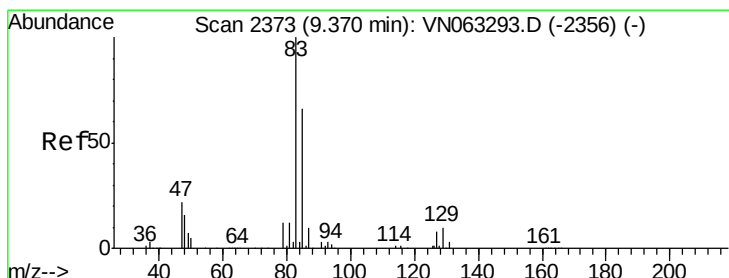
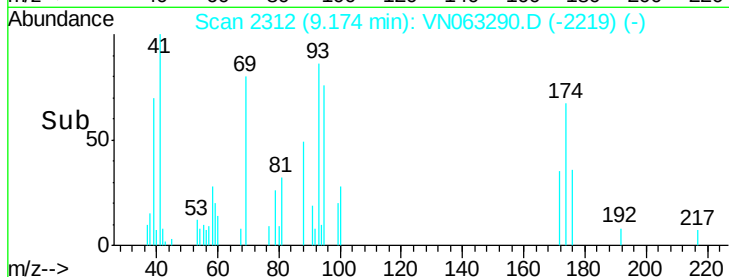
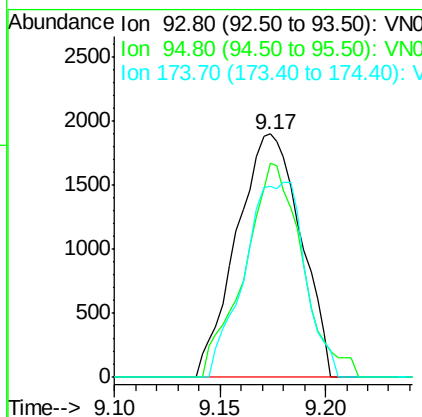
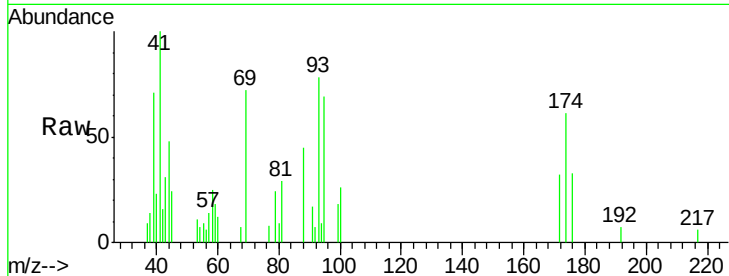
#46
Dibromomethane
Concen: 1.207 ug/l
RT: 9.17 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 93 Resp: 4007
Ion Ratio Lower Upper
93 100
95 79.9 67.9 101.9
174 75.8 66.9 100.3

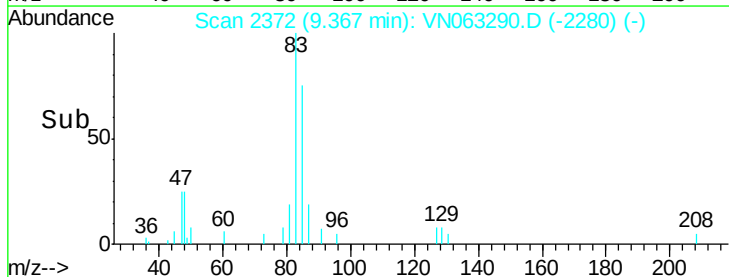
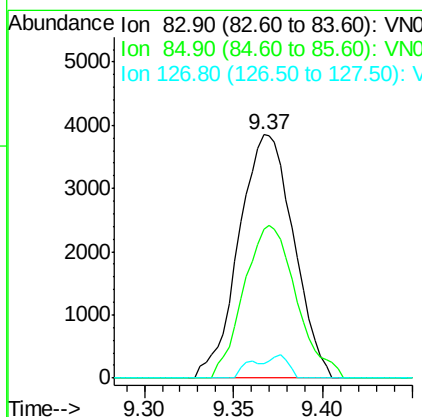
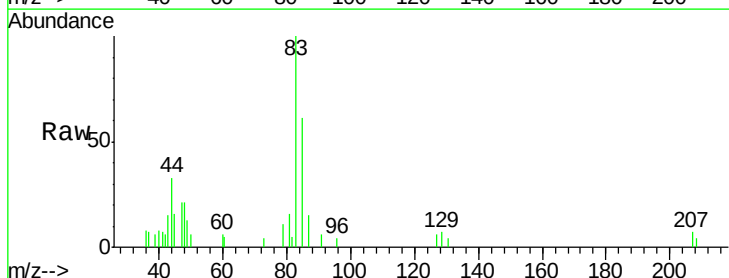
Manual Integrations
APPROVED

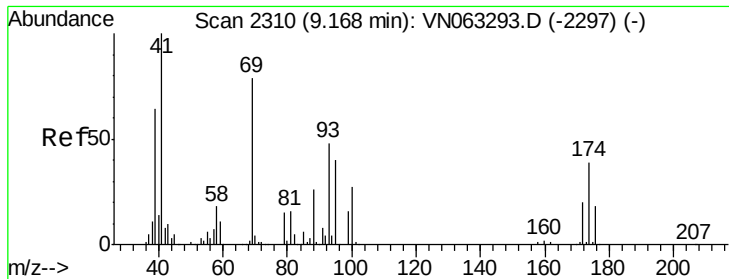
MMDadoda
9/11/2020 2:02:15 PM



#47
Bromodichloromethane
Concen: 1.157 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Tgt Ion: 83 Resp: 8221
Ion Ratio Lower Upper
83 100
85 61.0 52.5 78.7
127 6.2 6.6 10.0#





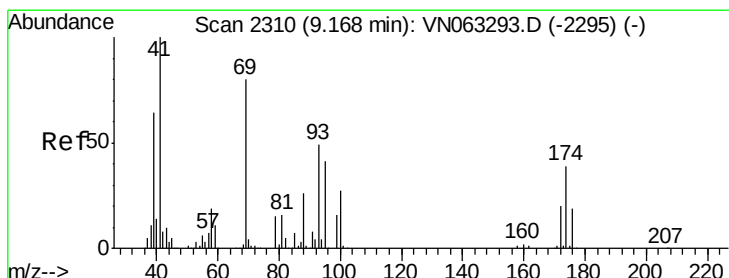
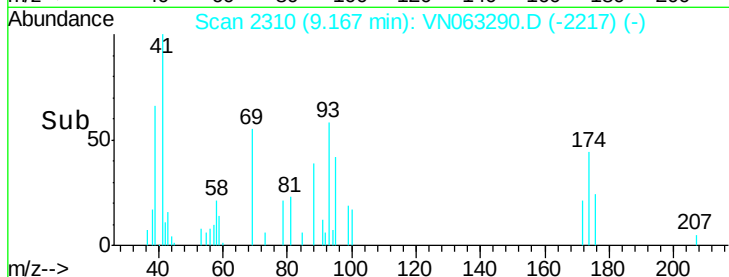
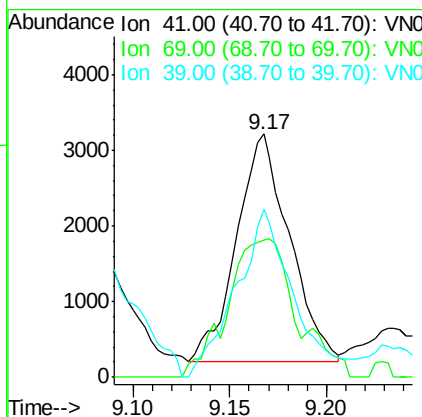
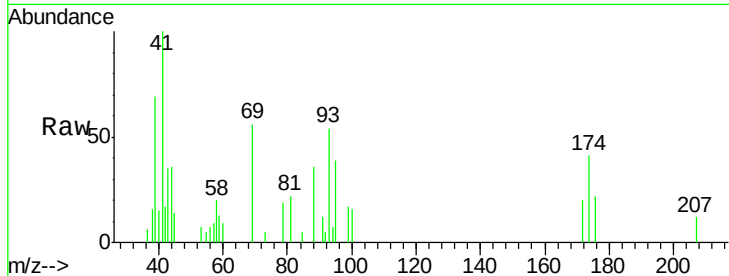
#48
Methvl methacrylate
Concen: 1.196 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.6	95.4
39	79.1	53.2	79.8

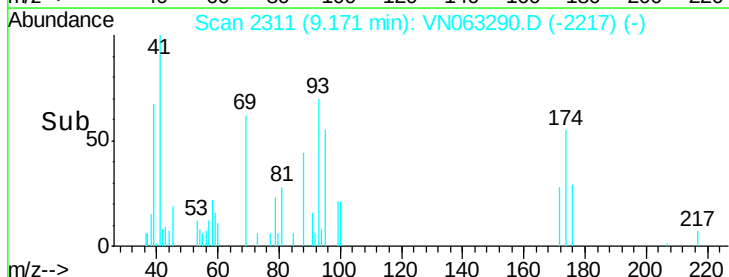
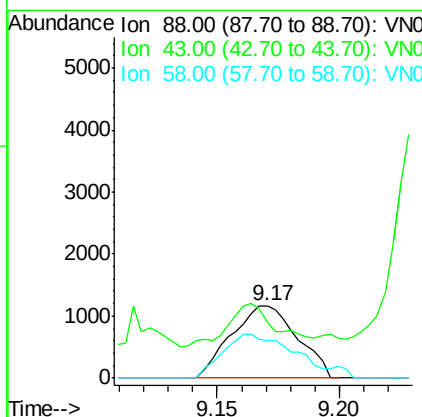
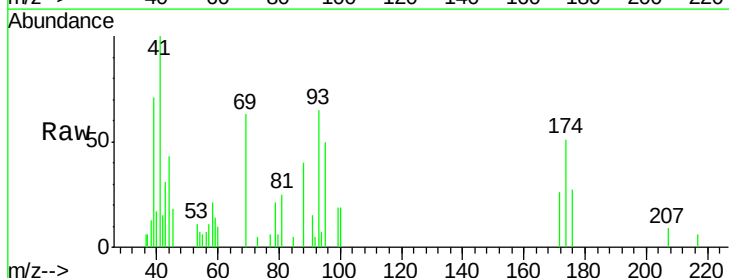
Manual Integrations
APPROVED

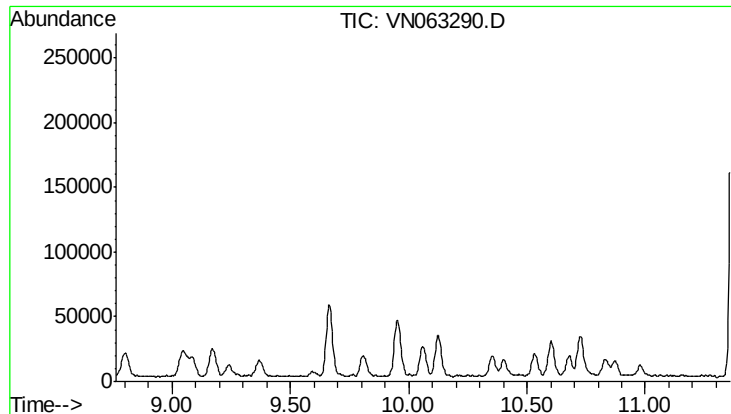
MMDadoda
9/11/2020 2:02:15 PM



#49
1,4-Dioxane
Concen: 29.640 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Tgt Ion	Ratio	Lower	Upper
88	100		
43	46.6	30.5	45.7#
58	68.6	58.9	88.3





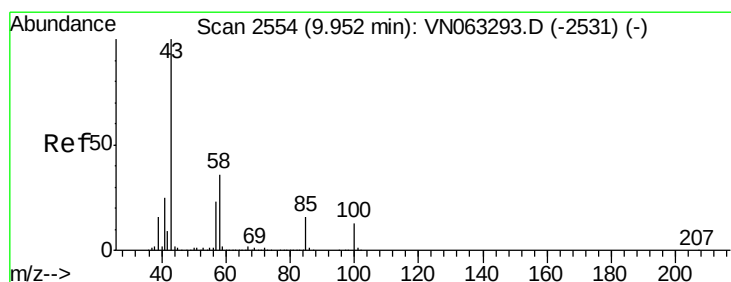
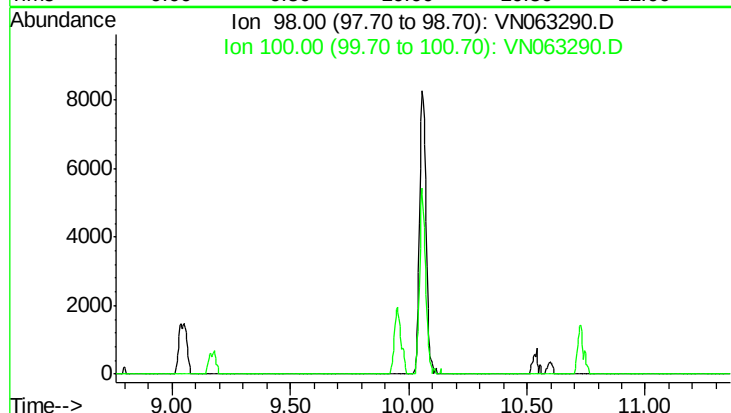
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.06 min

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 63.4

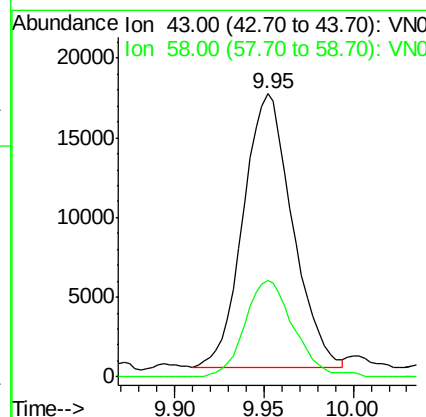
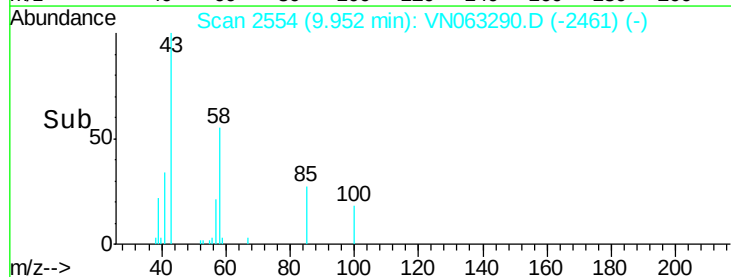
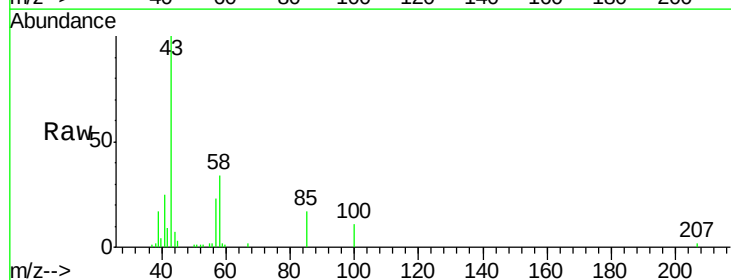
Manual Integrations
APPROVED

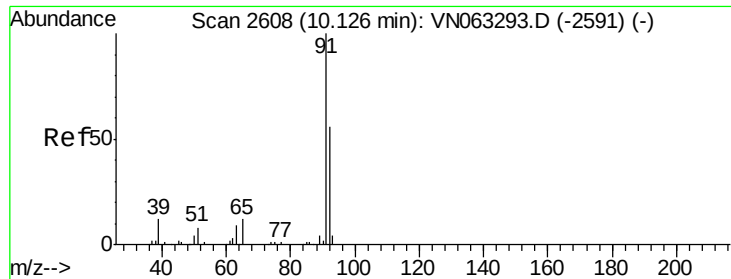
MMDadoda
9/11/2020 2:02:15 PM



#51
4-Methyl-2-Pentanone
Concen: 5.735 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Tgt Ion: 43 Resp: 33045
Ion Ratio Lower Upper
43 100
58 35.1 29.0 43.4





#52

Toluene

Concen: 1.115 ug/l

RT: 10.13 min Scan# 2609

Delta R.T. 0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 13128

Ion Ratio Lower Upper

92 100

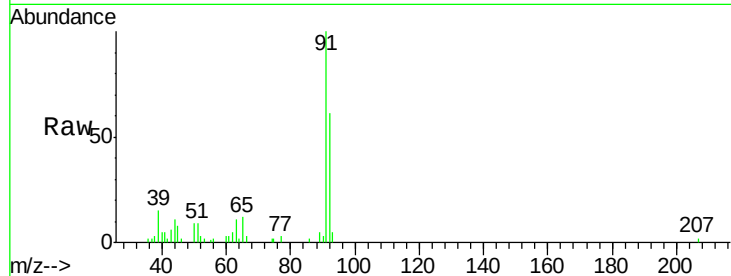
91 169.9 141.2 211.8

Manual Integrations

APPROVED

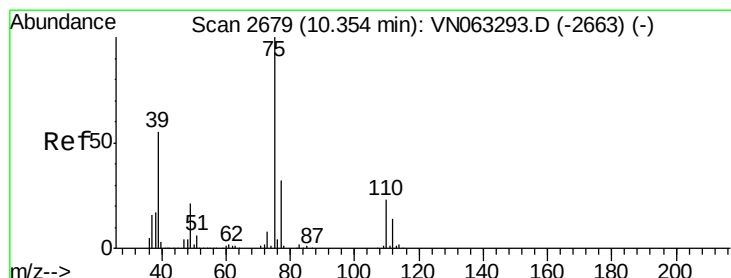
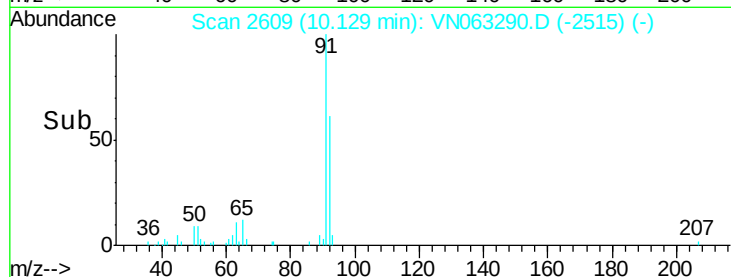
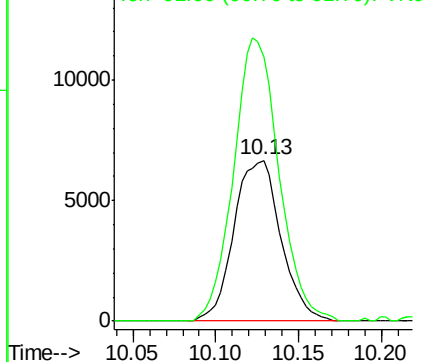
MMDadoda

9/11/2020 2:02:15 PM



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 1.087 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. -0.00 min

Lab File: VN063290.D

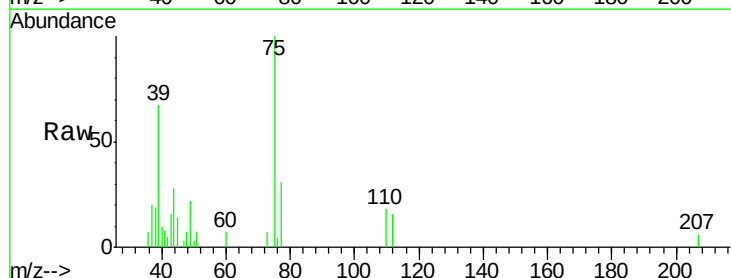
Acq: 10 Sep 2020 12:35

Tgt Ion: 75 Resp: 8409

Ion Ratio Lower Upper

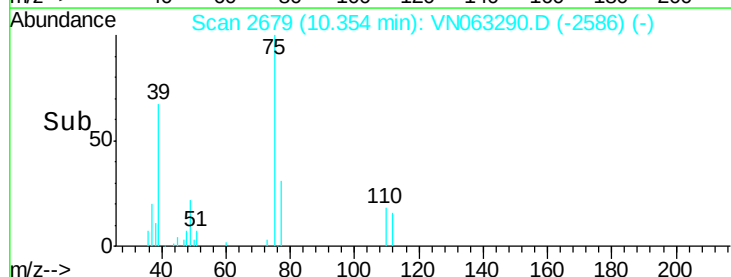
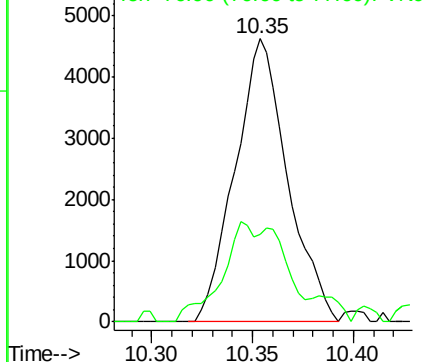
75 100

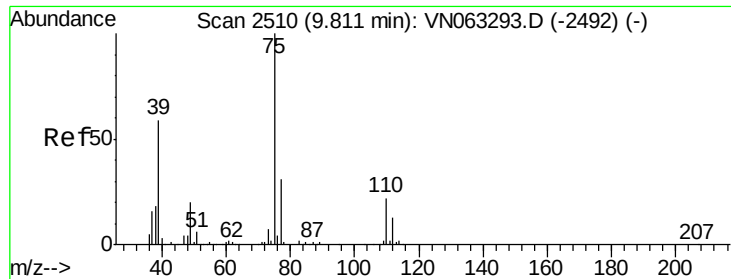
77 24.8 25.7 38.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 1.069 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

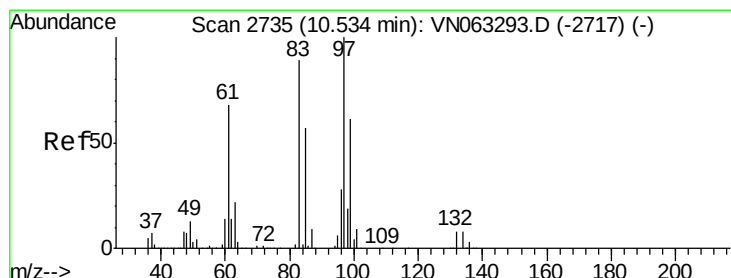
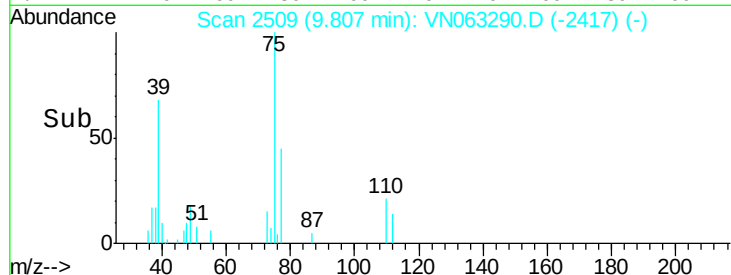
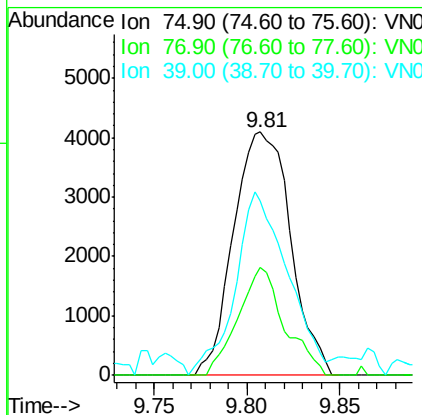
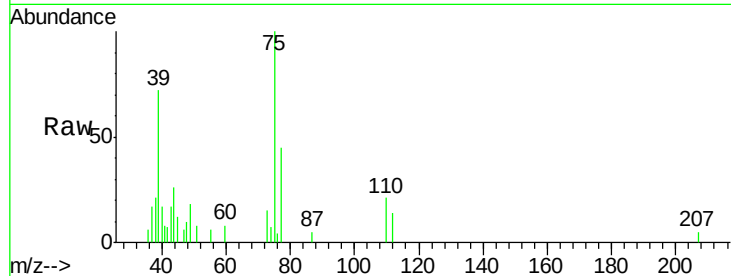
ClientSampled :

VSTDIC001

Tot Ion:	75	Resp:	8781
Ion	Ratio	Lower	Upper
75	100		
77	44.6	24.7	37.1#
39	71.7	47.2	70.8#

Manual Integrations
APPROVED

MMDadoda
9/11/2020 2:02:15 PM



#55

1,1,2-Trichloroethane

Concen: 1.160 ug/l

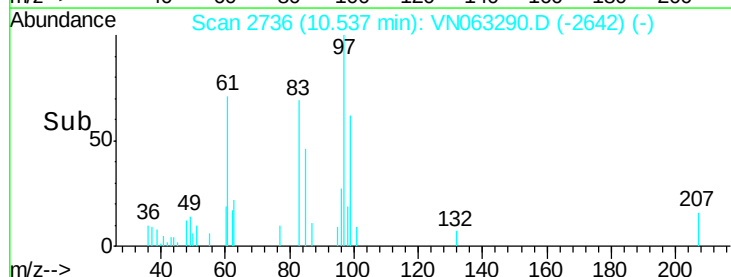
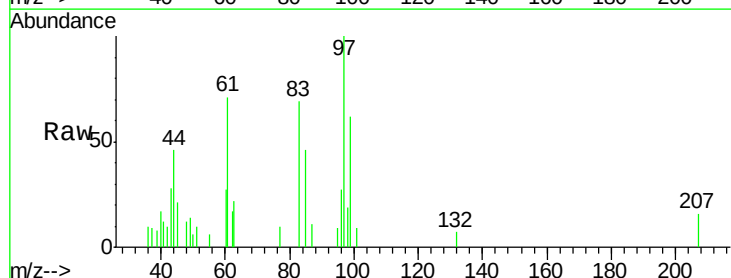
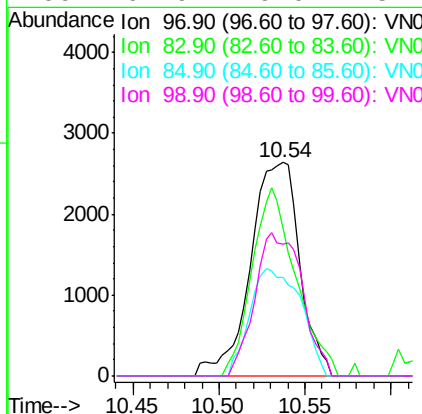
RT: 10.54 min Scan# 2736

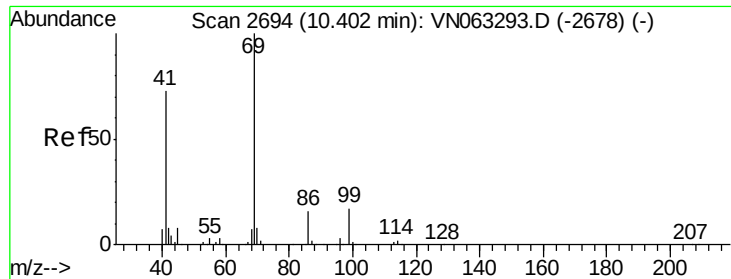
Delta R.T. 0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Tgt Ion:	97	Resp:	5244
Ion	Ratio	Lower	Upper
97	100		
83	69.2	70.8	106.2#
85	46.0	45.6	68.4
99	61.9	49.0	73.4





#56

Ethyl methacrylate

Concen: 0.962 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

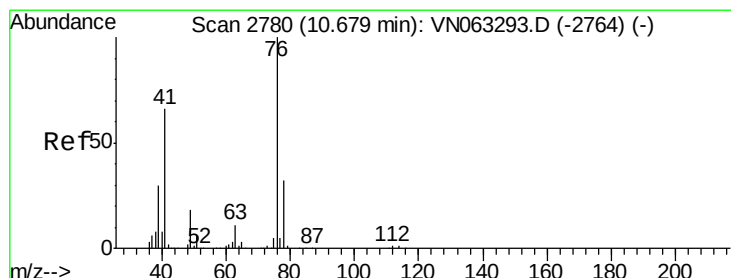
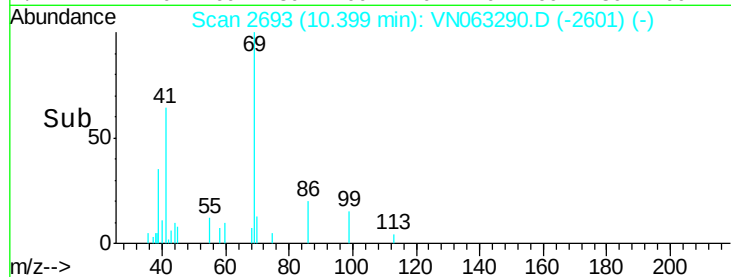
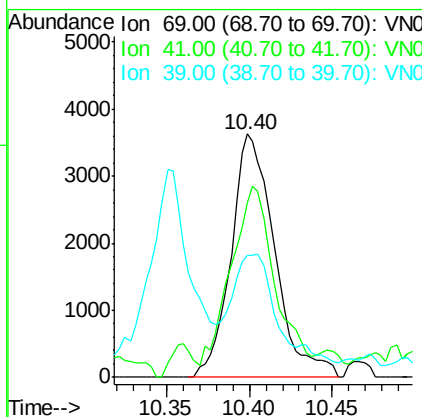
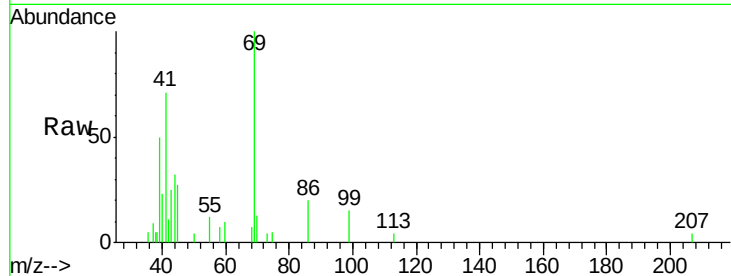
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	6631
Ion	Ratio	Lower	Upper
69	100		
41	73.4	58.4	87.6
39	48.9	38.6	58.0

Manual Integrations
APPROVED

MMDadoda
9/11/2020 2:02:15 PM



#57

1,3-Dichloropropane

Concen: 1.083 ug/l

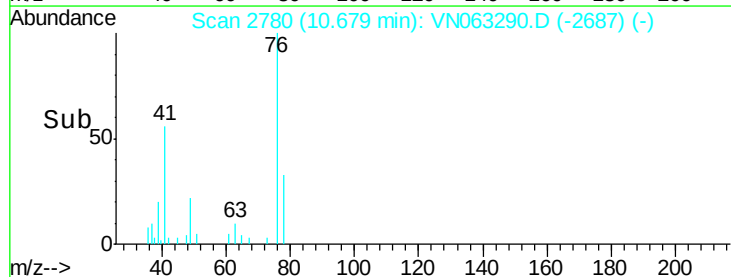
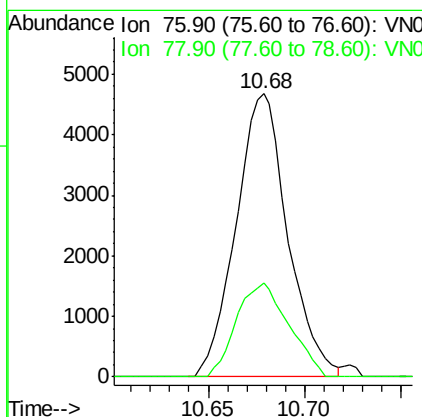
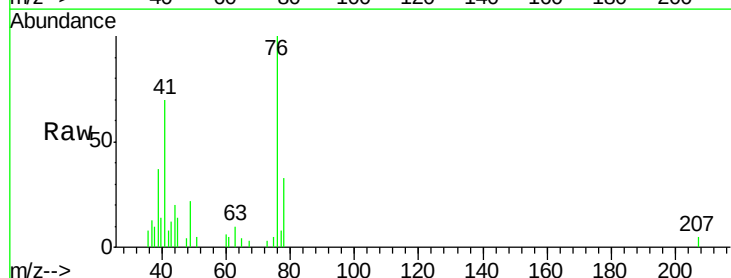
RT: 10.68 min Scan# 2780

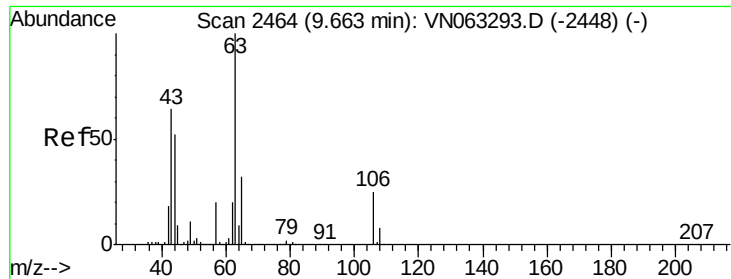
Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Tgt Ion:	76	Resp:	8697
Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.7	38.5





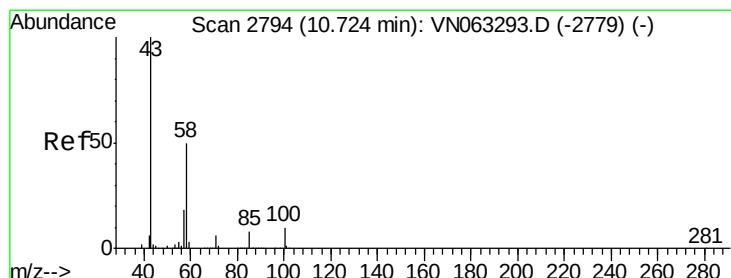
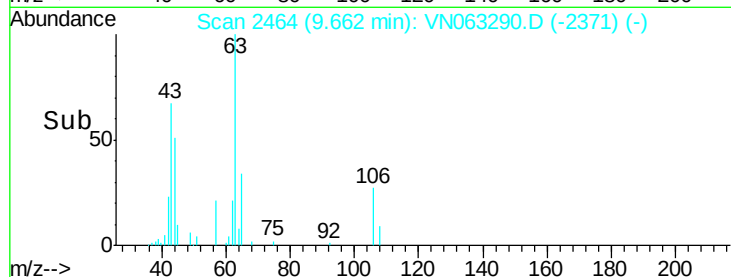
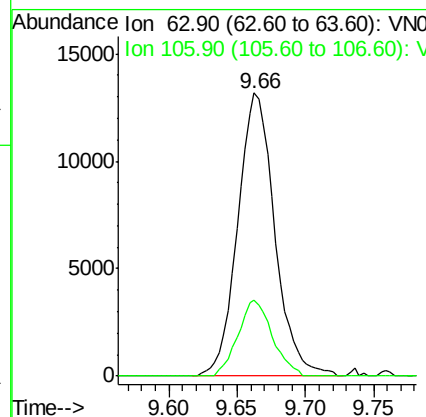
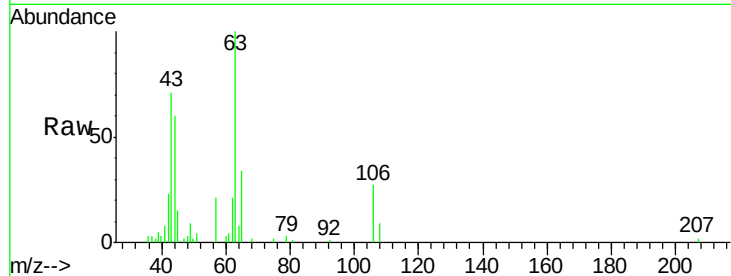
#58
2-Chloroethyl Vinyl ether
Concen: 7.017 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	63	Resp	24883
Ion Ratio	Lower	Upper	
63	100		
106	24.7	20.2	30.4

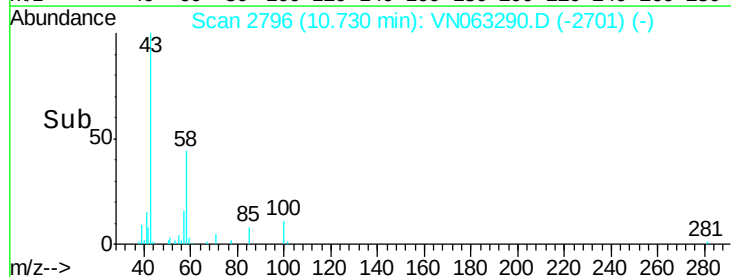
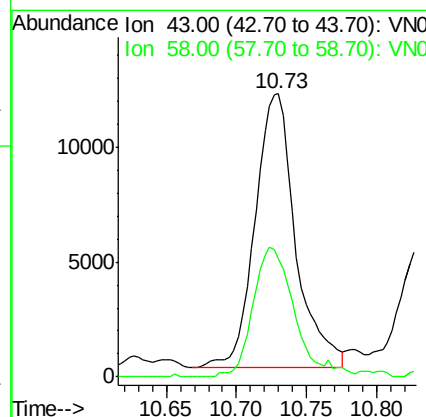
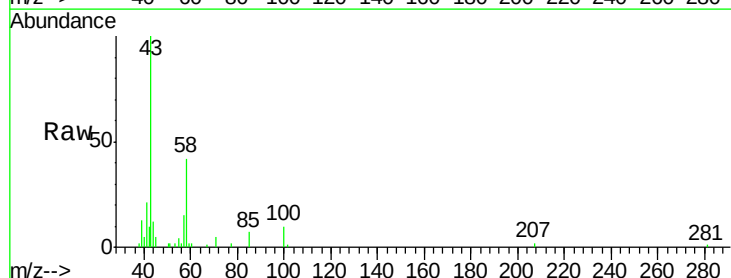
Manual Integrations
APPROVED

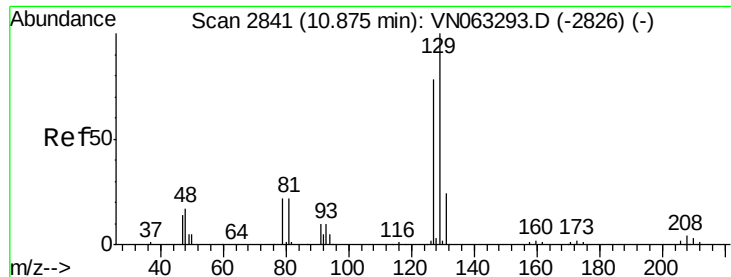
MMDadoda
9/11/2020 2:02:15 PM



#59
2-Hexanone
Concen: 5.923 ug/l
RT: 10.73 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Tgt Ion	43	Resp	24074
Ion Ratio	Lower	Upper	
43	100		
58	48.3	25.1	75.3





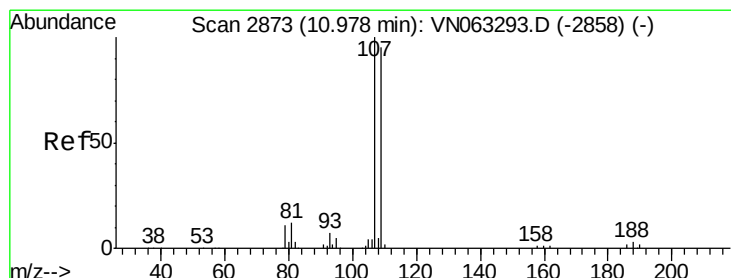
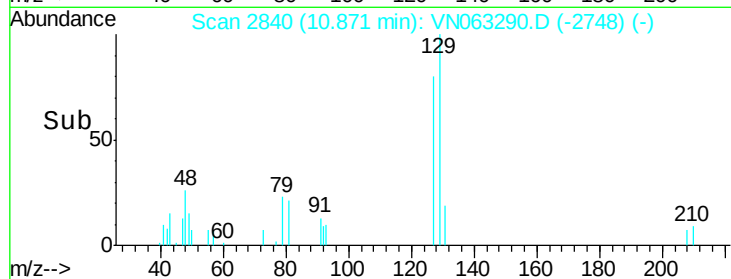
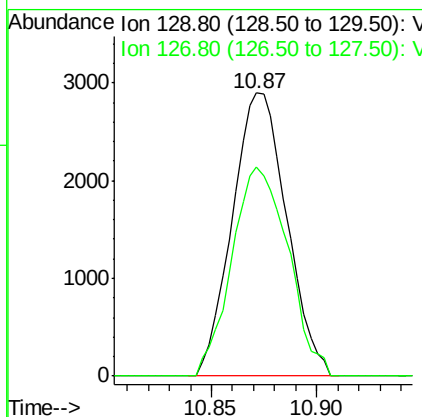
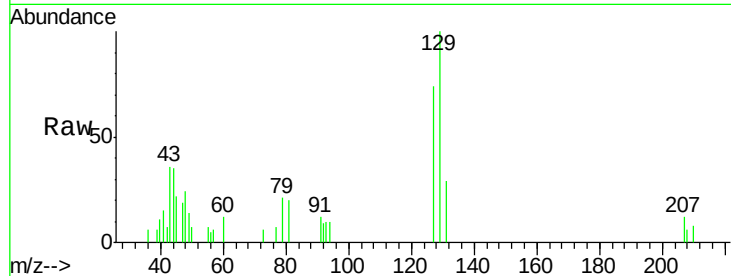
#60
 Dibromochloromethane
 Concen: 1.038 ug/l
 RT: 10.87 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VN063290.D
 Acq: 10 Sep 2020 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:129 Resp: 5186
 Ion Ratio Lower Upper
 129 100
 127 76.5 39.0 117.0

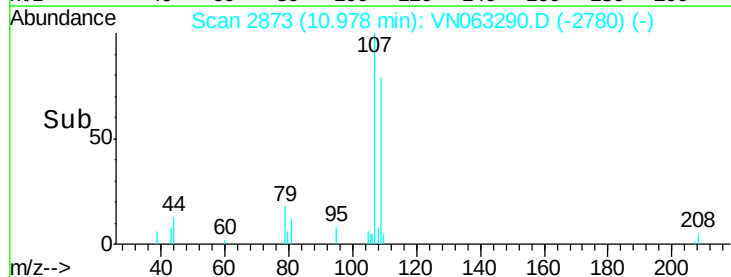
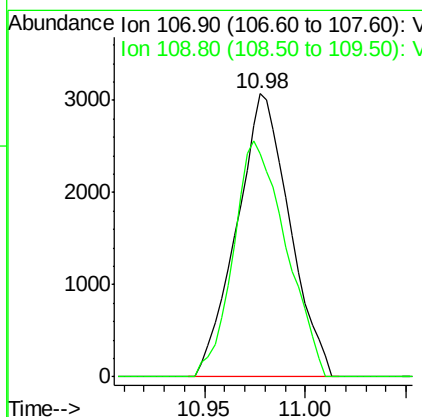
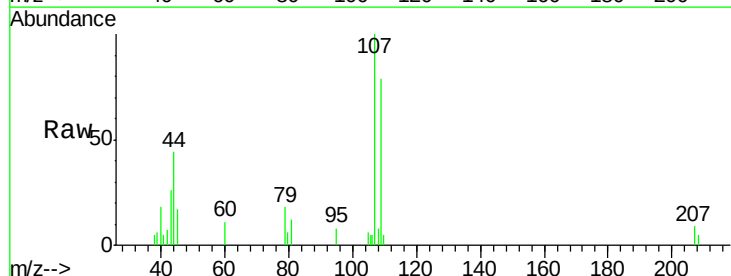
Manual Integrations
 APPROVED

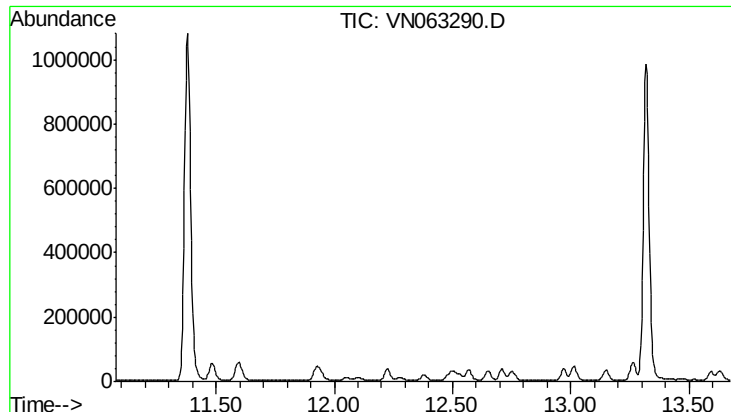
MMDadoda
 9/11/2020 2:02:15 PM



#61
 1,2-Dibromoethane
 Concen: 1.204 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063290.D
 Acq: 10 Sep 2020 12:35

Tgt Ion:107 Resp: 5635
 Ion Ratio Lower Upper
 107 100
 109 82.7 75.5 113.3





#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.38 min

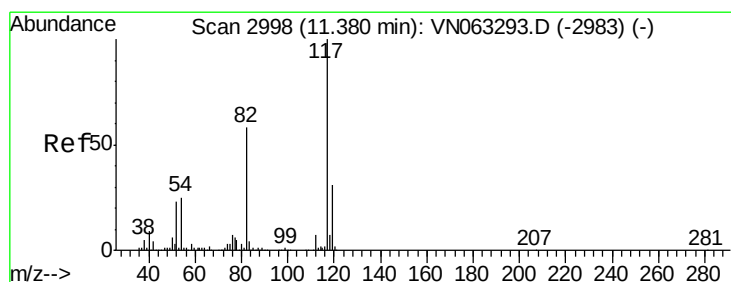
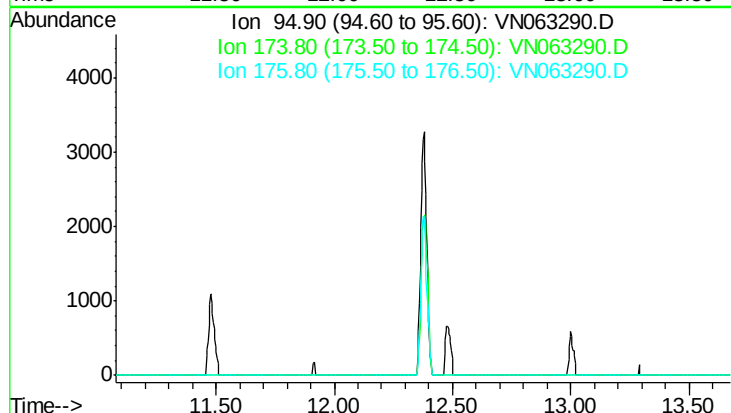
Lab File: VN063290.D
 Acq: 10 Sep 2020 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	68.3
176	66.4

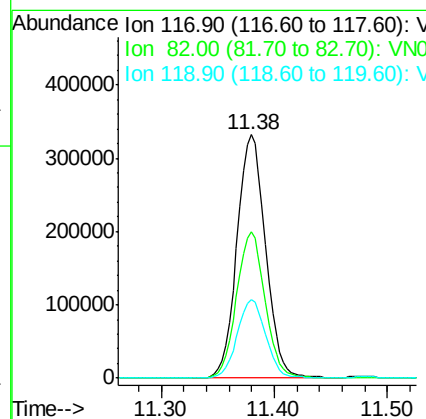
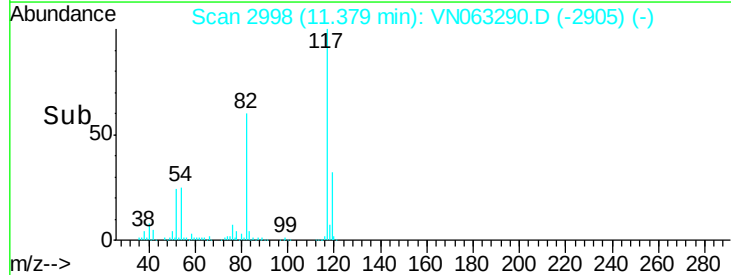
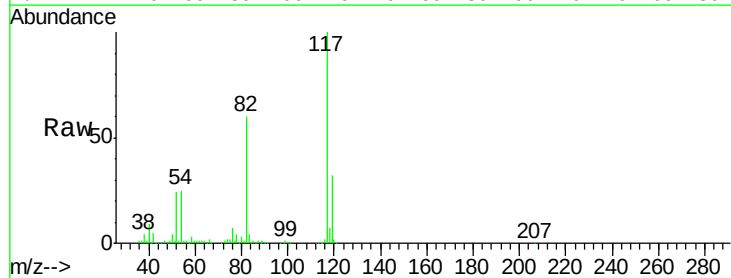
Manual Integrations
 APPROVED

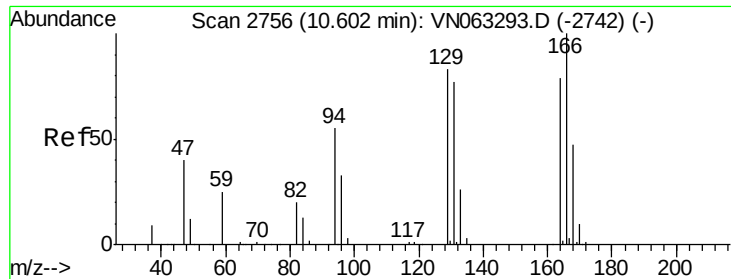
MMDadoda
 9/11/2020 2:02:15 PM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2998
 Delta R.T. -0.00 min
 Lab File: VN063290.D
 Acq: 10 Sep 2020 12:35

Tgt Ion	117	Resp	587058
Ion	Ratio	Lower	Upper
117	100		
82	59.9	46.4	69.6
119	32.3	24.8	37.2





#64

Tetrachloroethene

Concen: 1.257 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 5415

Ion Ratio Lower Upper

164 100

166 120.2 101.3 151.9

129 107.6 83.7 125.5

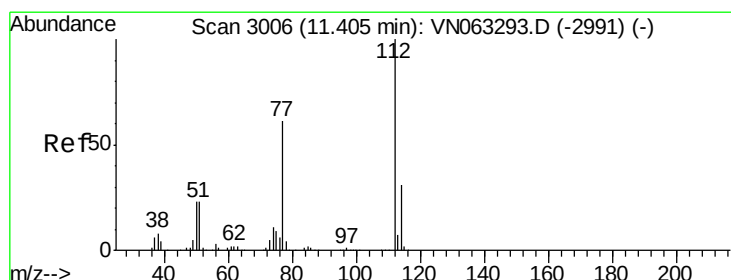
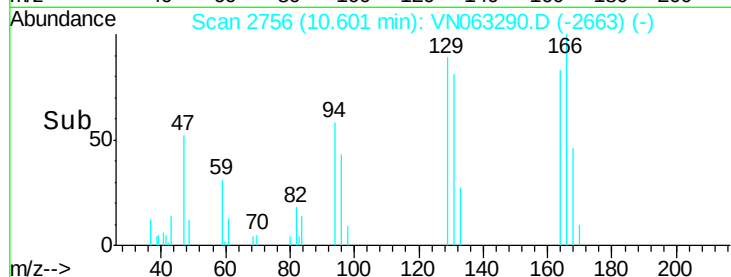
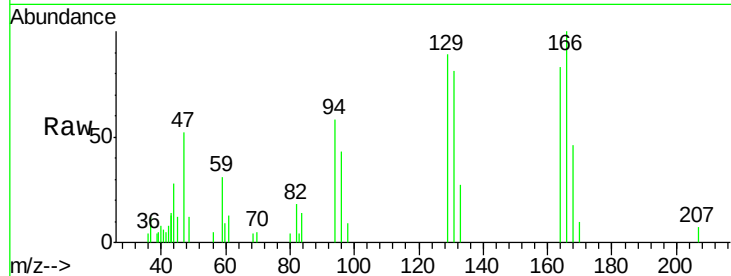
131 97.0 78.2 117.4

Manual Integrations

APPROVED

MMDadoda

9/11/2020 2:02:15 PM



#65

Chlorobenzene

Concen: 1.235 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN063290.D

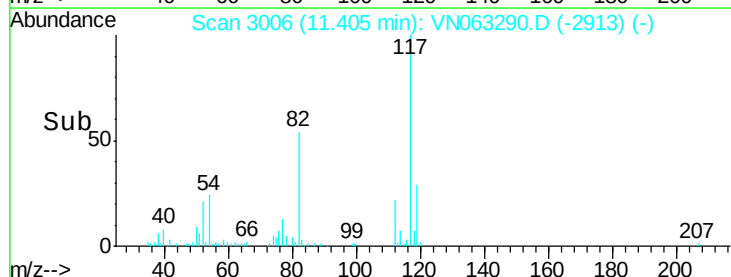
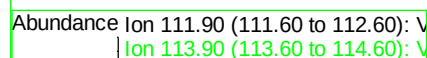
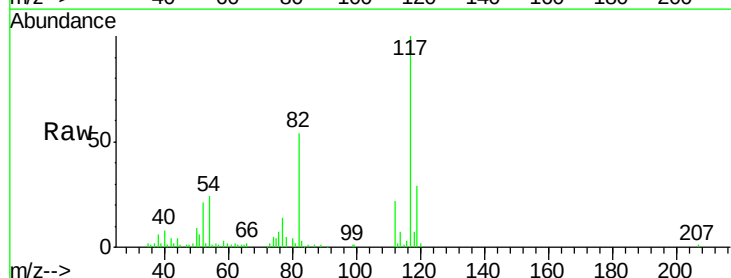
Acq: 10 Sep 2020 12:35

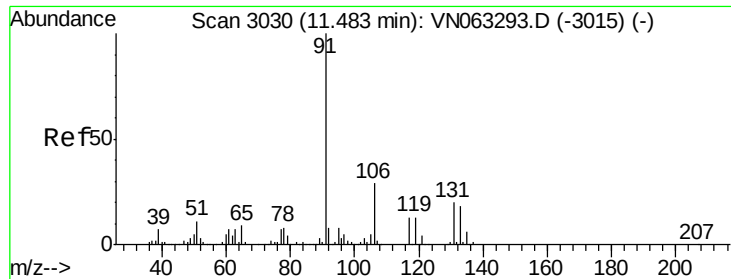
Tgt Ion:112 Resp: 14577

Ion Ratio Lower Upper

112 100

114 33.1 24.6 36.8





#66

1,1,1,2-Tetrachloroethane

Concen: 1.099 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

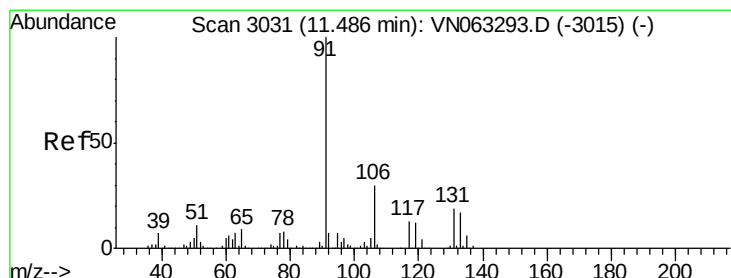
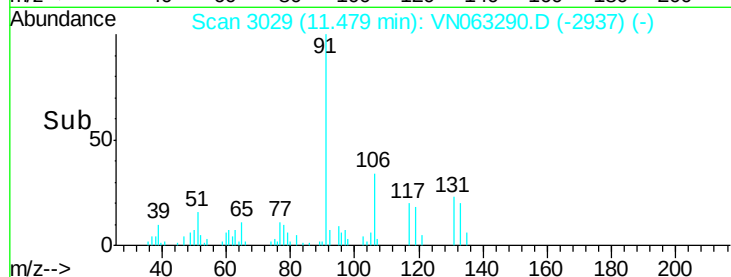
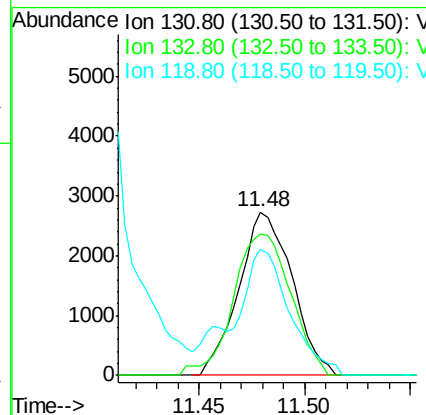
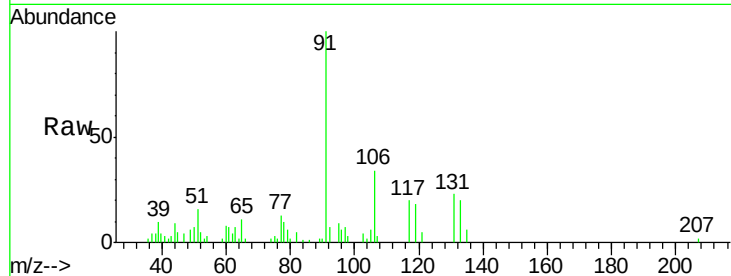
ClientSampled :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.6	47.4	142.2
119	0.0	33.8	101.3#

Manual Integrations
APPROVED

MMDadoda
9/11/2020 2:02:15 PM



#67

Ethyl Benzene

Concen: 1.136 ug/l

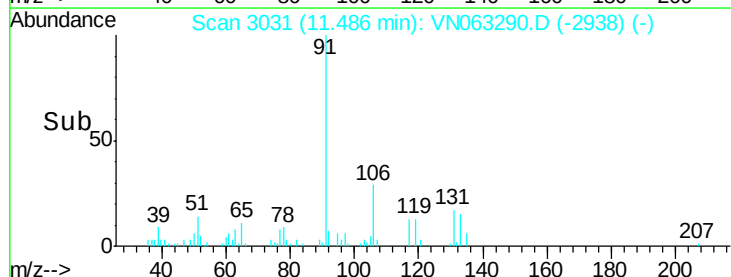
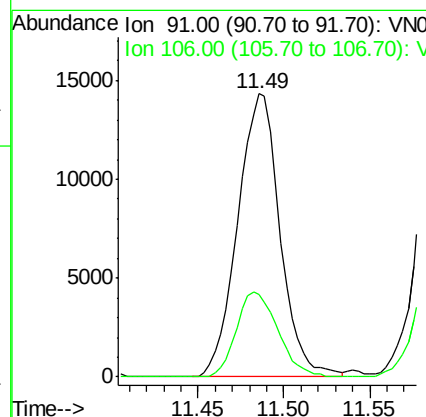
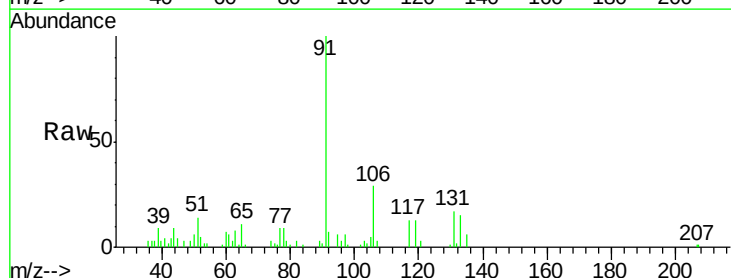
RT: 11.49 min Scan# 3031

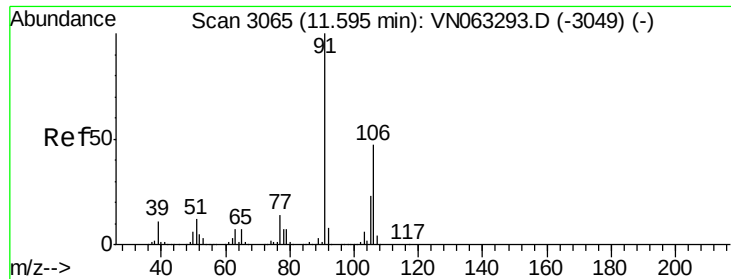
Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.8	35.6





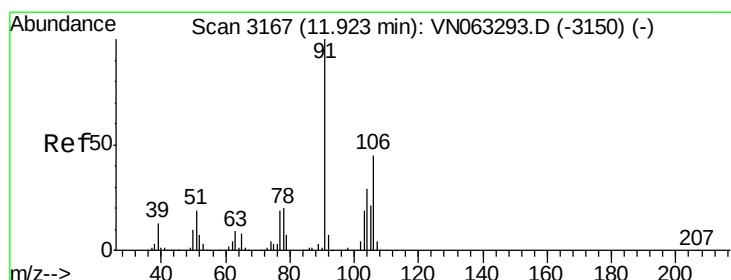
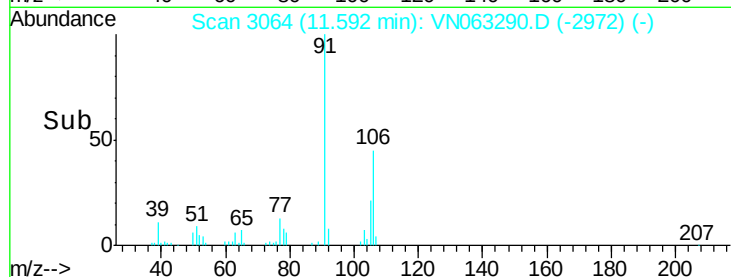
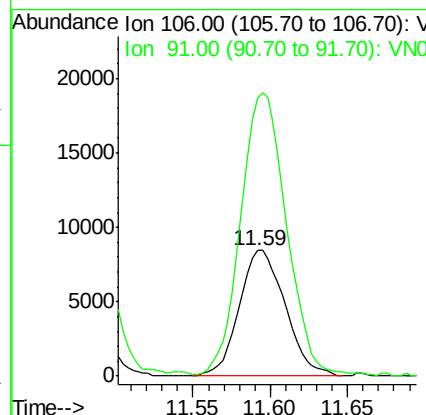
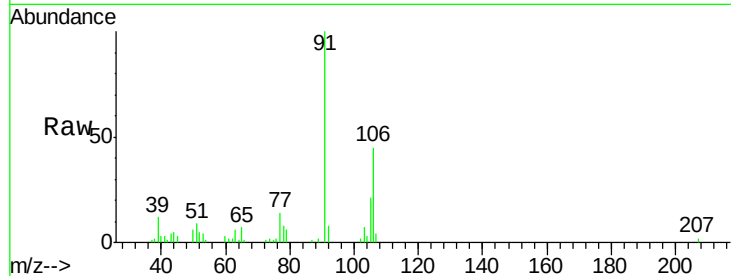
#68
m/p-Xylenes
Concen: 2.199 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 17470
Ion Ratio Lower Upper
106 100
91 220.4 169.8 254.8

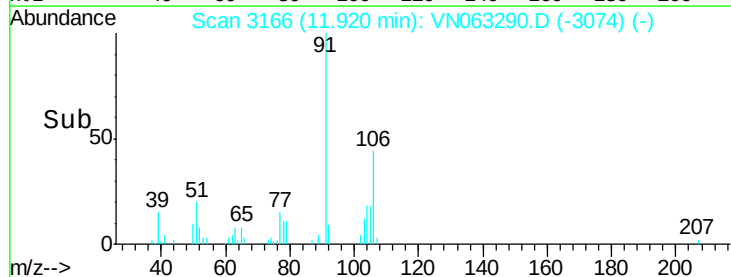
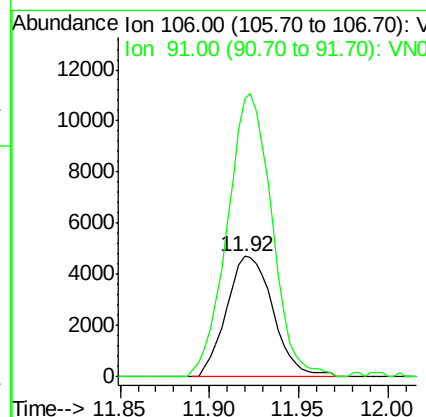
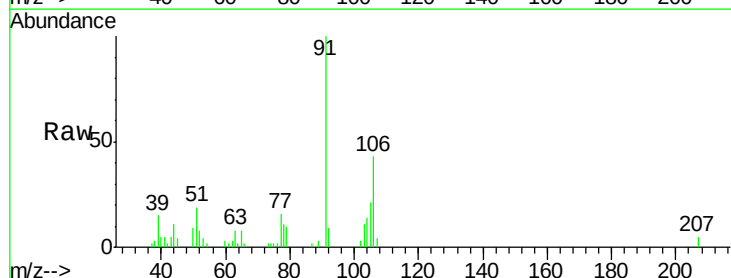
Manual Integrations
APPROVED

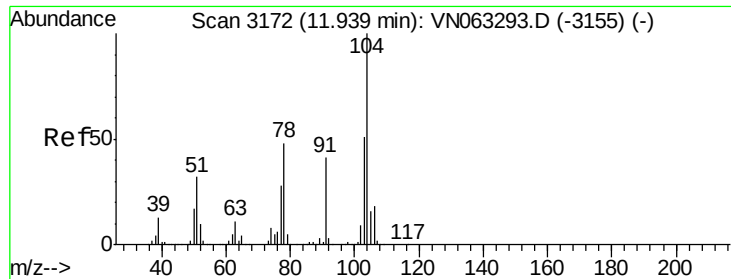
MMDadoda
9/11/2020 2:02:15 PM



#69
o-Xylene
Concen: 1.118 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Tgt Ion:106 Resp: 8585
Ion Ratio Lower Upper
106 100
91 224.3 111.5 334.4





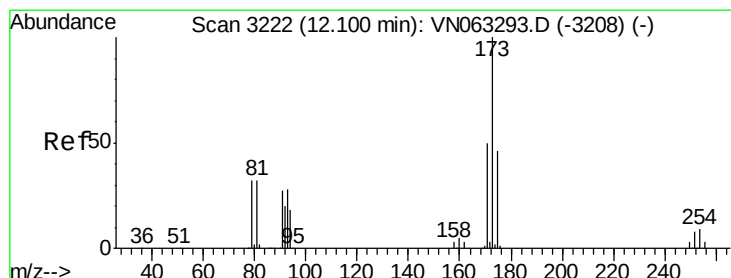
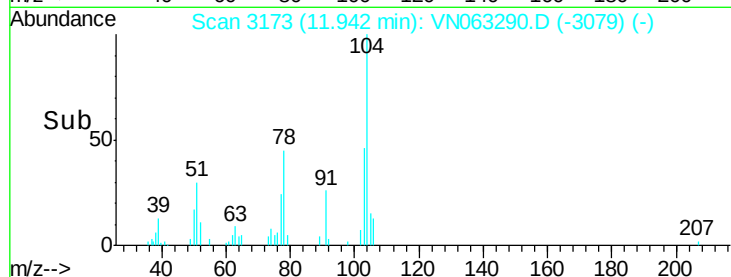
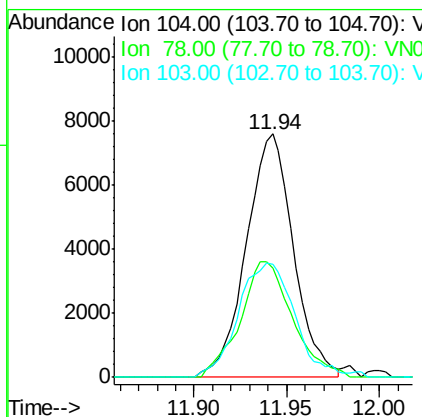
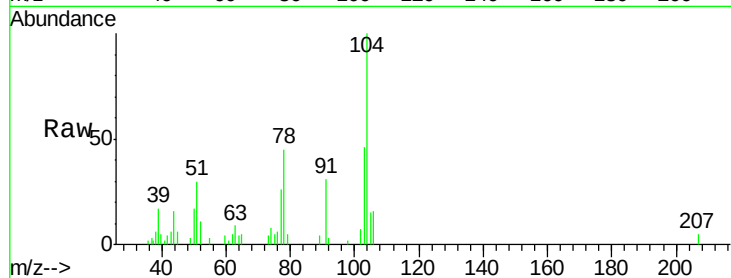
#70
Stvrene
Concen: 1.018 ug/l
RT: 11.94 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.9	64.3
103	55.9	44.2	66.2

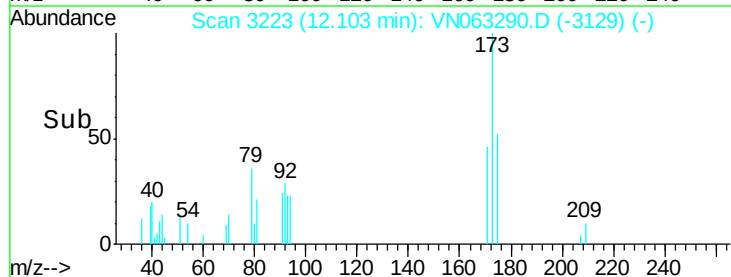
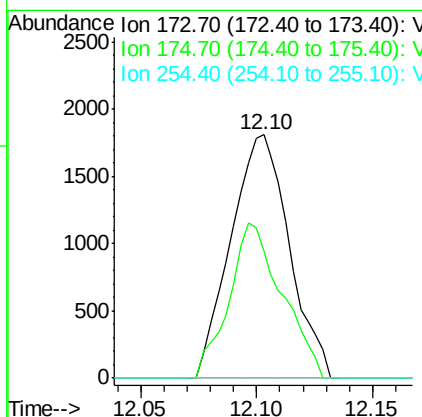
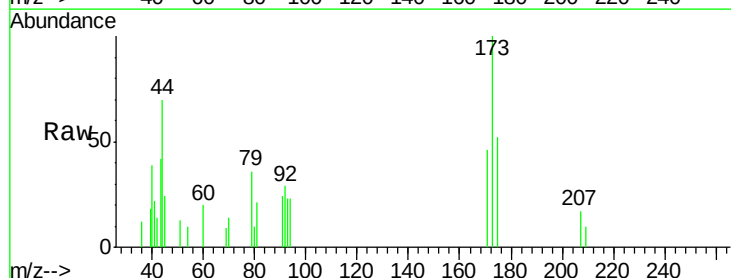
Manual Integrations
APPROVED

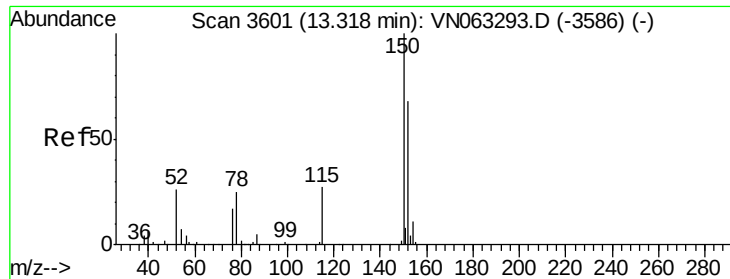
MMDadoda
9/11/2020 2:02:15 PM



#71
Bromoform
Concen: 1.061 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Tgt Ion	Ratio	Lower	Upper
173	100		
175	57.7	23.8	71.5
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:152 Resp: 244280

Ion Ratio Lower Upper

152 100

115 61.2 31.5 94.5

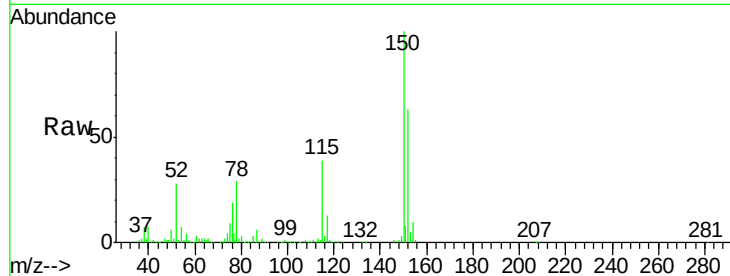
150 157.7 0.0 344.0

Manual Integrations

APPROVED

MMDadoda

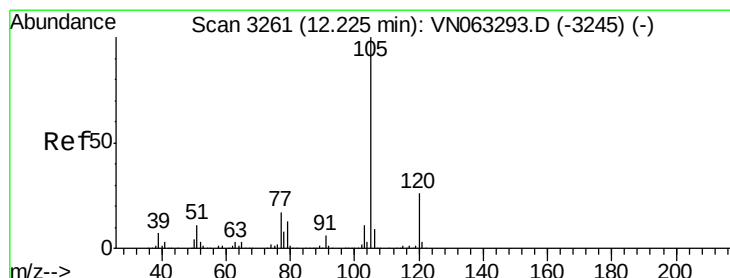
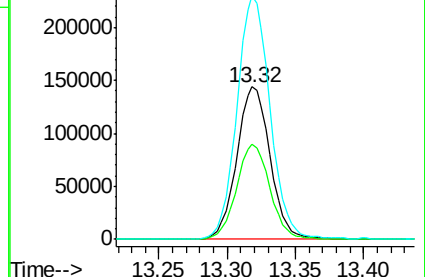
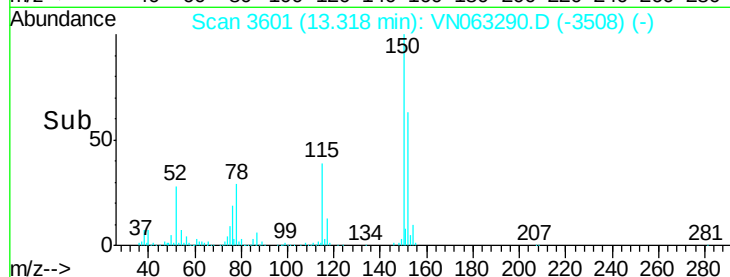
9/11/2020 2:02:15 PM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.231 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063290.D

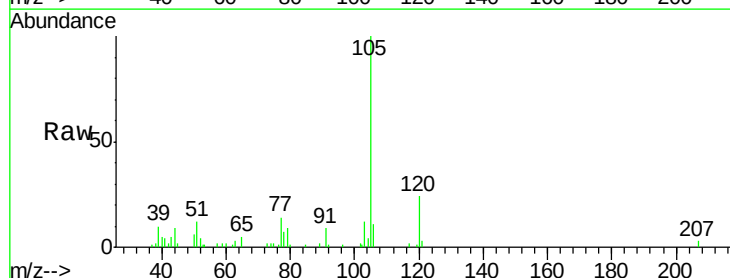
Acq: 10 Sep 2020 12:35

Tgt Ion:105 Resp: 22877

Ion Ratio Lower Upper

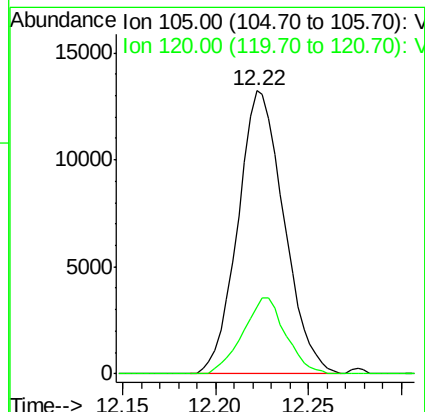
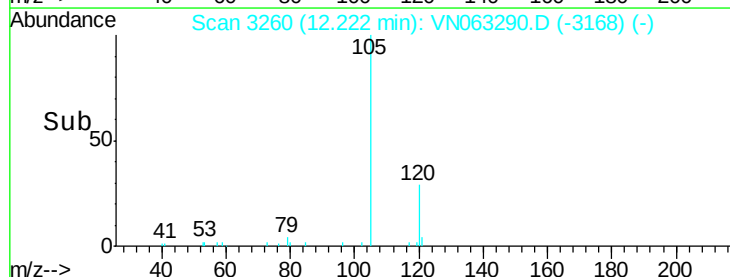
105 100

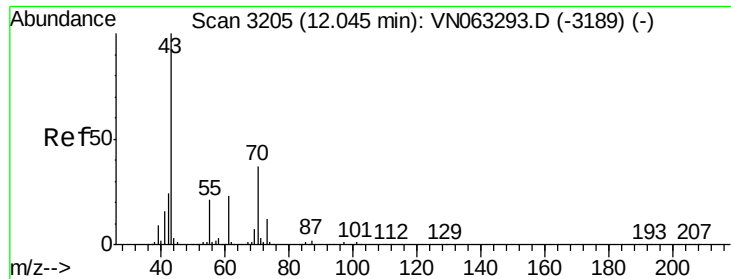
120 25.0 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





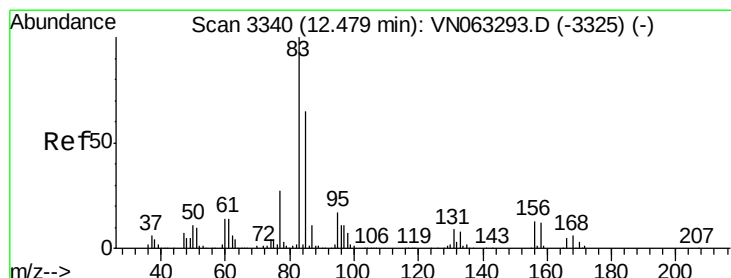
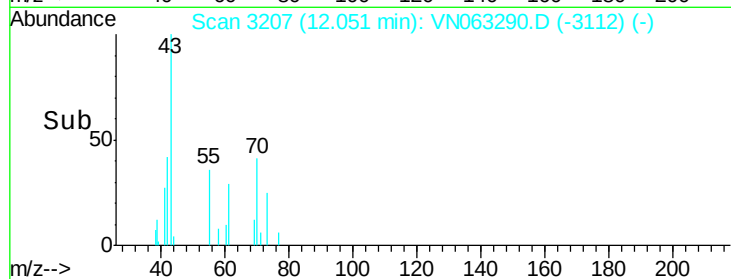
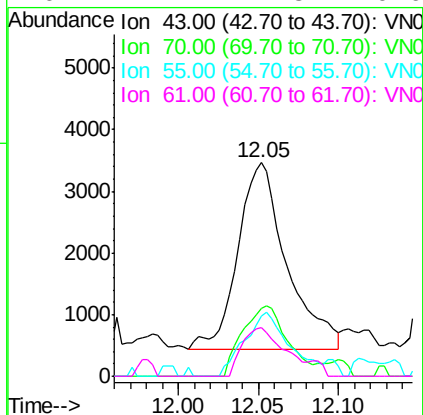
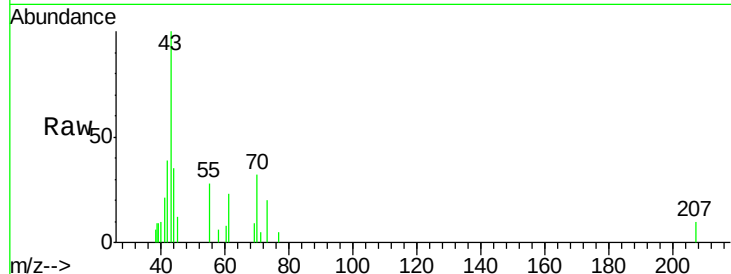
#74
N-amvl acetate
Concen: 0.819 ug/l
RT: 12.05 min Scan# 3207
Delta R.T. 0.01 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	43	100	6355		
70	70	35.1		29.3	43.9
55	55	31.9		17.0	25.6
61	61	24.4		17.8	26.6

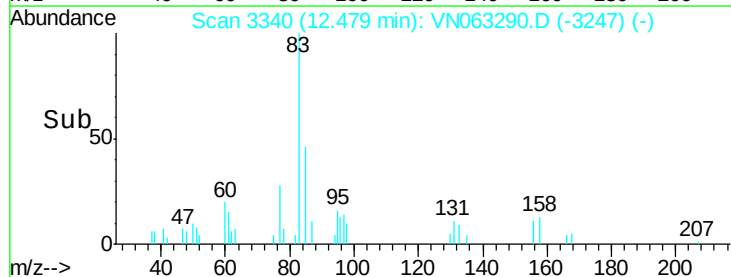
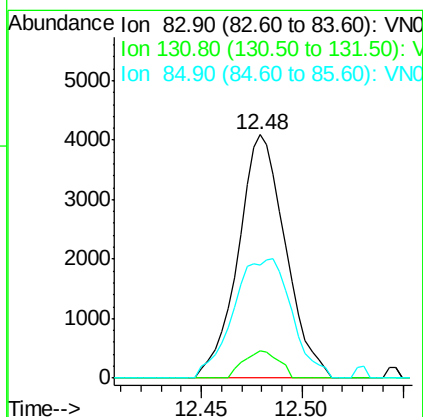
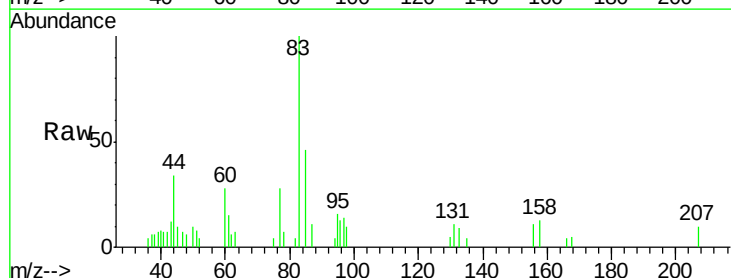
Manual Integrations
APPROVED

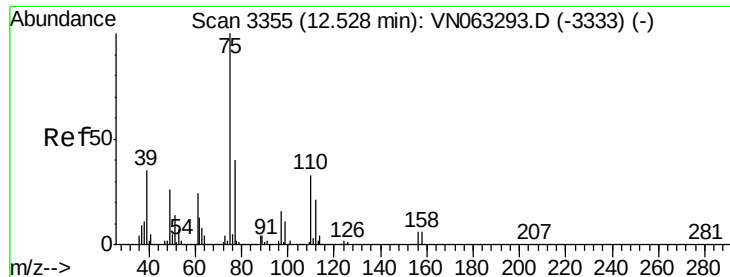
MMDadoda
9/11/2020 2:02:15 PM



#75
1,1,2,2-Tetrachloroethane
Concen: 1.259 ug/l
RT: 12.48 min Scan# 3340
Delta R.T. -0.00 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100	6720		
131	131	8.4		4.7	14.1
85	85	60.0		32.0	96.2





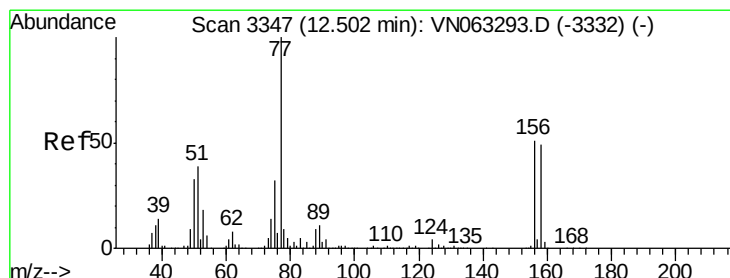
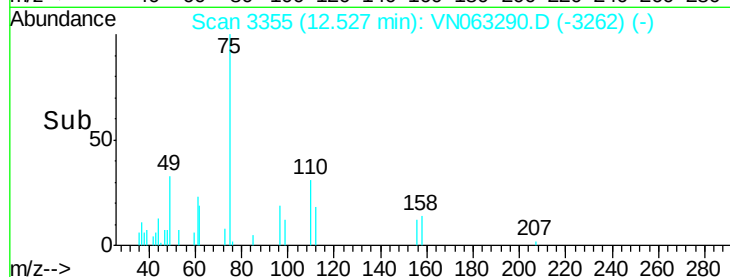
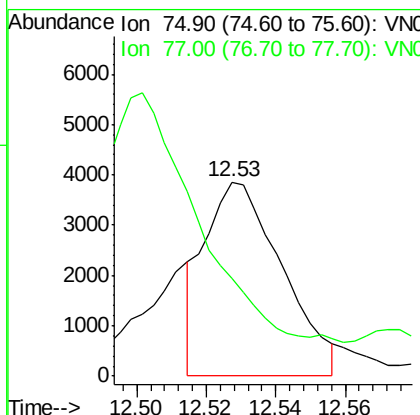
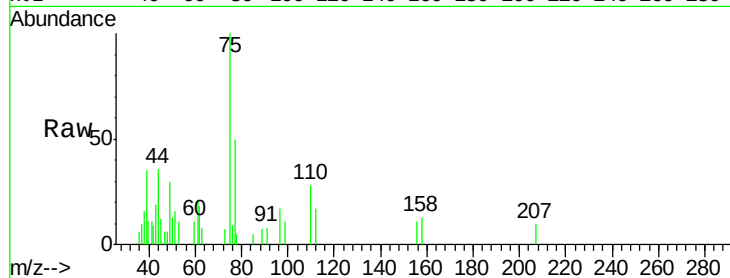
#76
 1,2,3-Trichloropropane
 Concen: 1.140 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN063290.D
 Acq: 10 Sep 2020 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

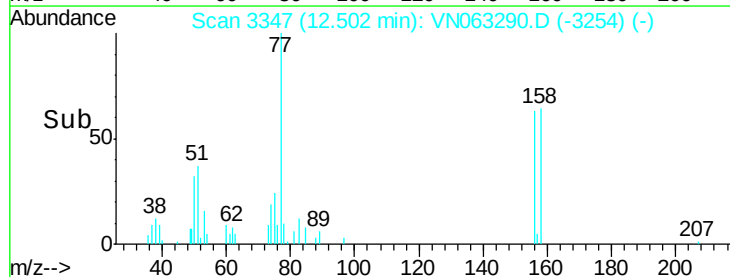
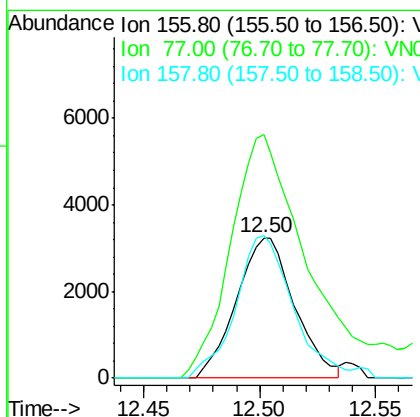
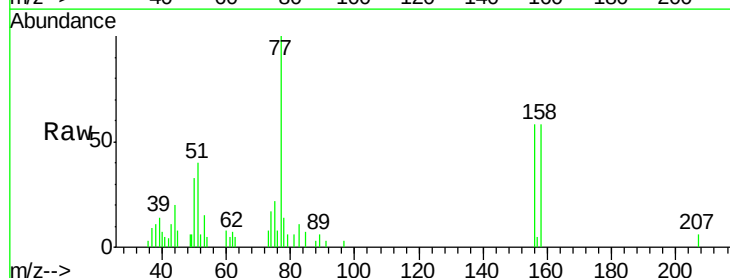
Manual Integrations
 APPROVED

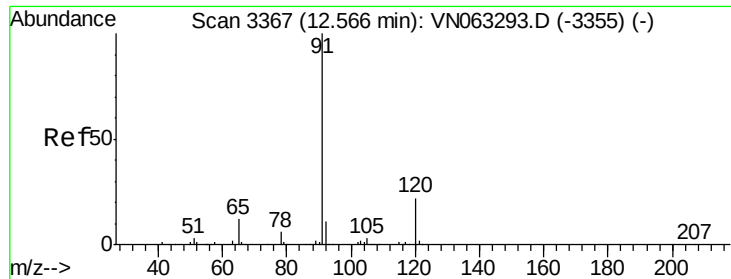
MMDadoda
 9/11/2020 2:02:15 PM



#77
 Bromobenzene
 Concen: 1.339 ug/l
 RT: 12.50 min Scan# 3347
 Delta R.T. -0.00 min
 Lab File: VN063290.D
 Acq: 10 Sep 2020 12:35

Tgt Ion	Ratio	Lower	Upper
156	100		
77	232.1	117.4	352.2
158	101.6	48.8	146.4





#78

n-propylbenzene

Concen: 1.163 ug/l

RT: 12.57 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 25000

Ion Ratio Lower Upper

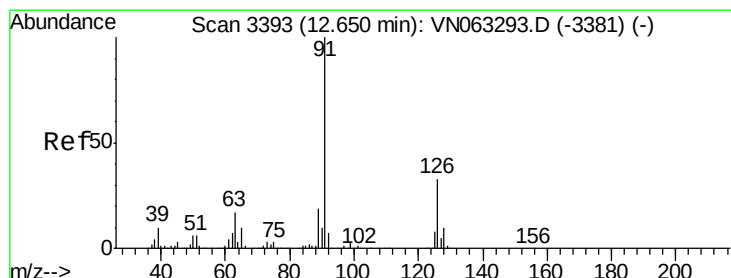
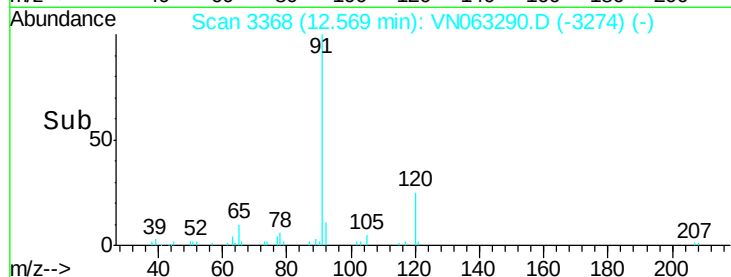
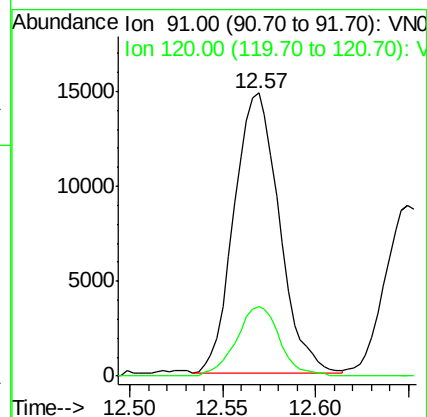
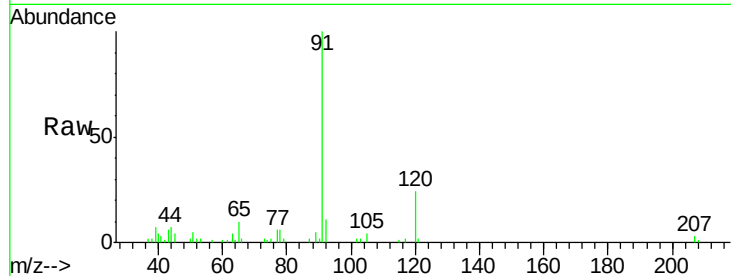
91 100

120 23.8 11.1 33.3

Manual Integrations
APPROVED

MMDadoda

9/11/2020 2:02:15 PM



#79

2-Chlorotoluene

Concen: 1.242 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063290.D

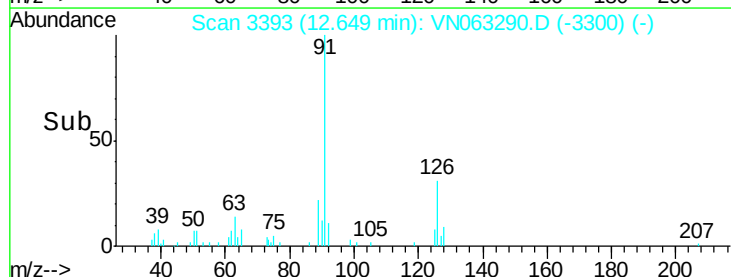
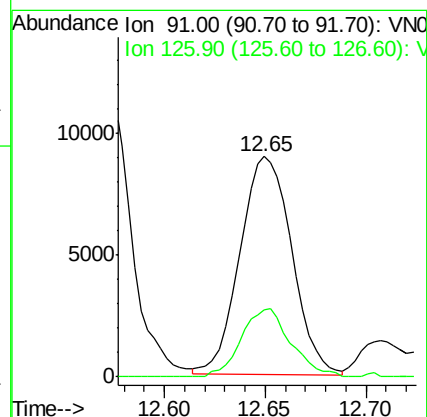
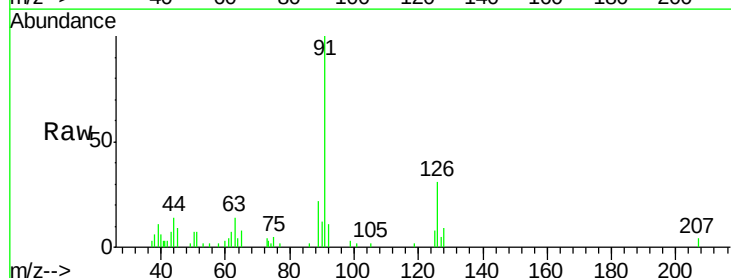
Acq: 10 Sep 2020 12:35

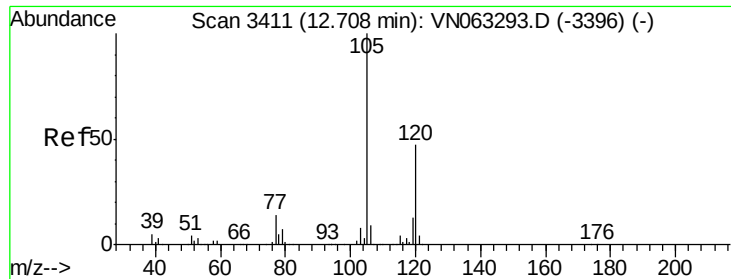
Tgt Ion: 91 Resp: 16040

Ion Ratio Lower Upper

91 100

126 30.0 16.3 48.8





#80

1,3,5-Trimethylbenzene

Concen: 1.167 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 18130

Ion Ratio Lower Upper

105 100

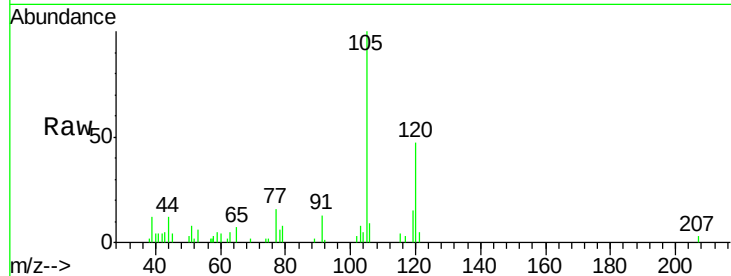
120 44.4 23.4 70.0

Manual Integrations

APPROVED

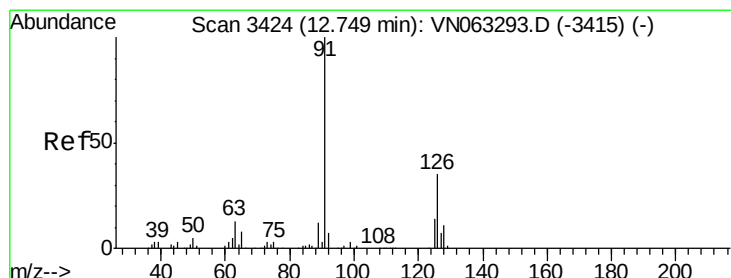
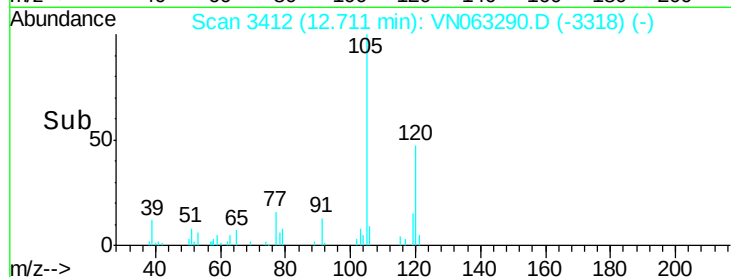
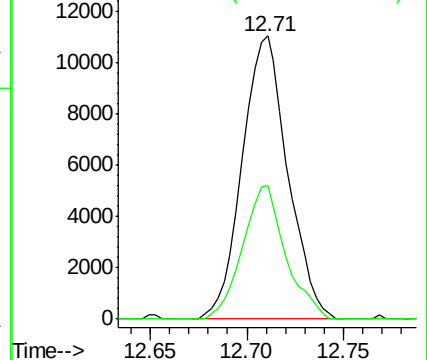
MMDadoda

9/11/2020 2:02:15 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

4-Chlorotoluene

Concen: 1.321 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. -0.00 min

Lab File: VN063290.D

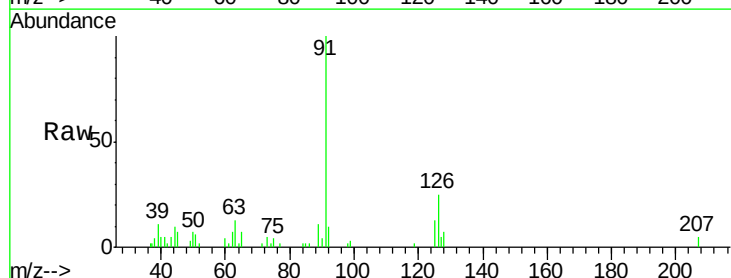
Acq: 10 Sep 2020 12:35

Tgt Ion: 91 Resp: 17668

Ion Ratio Lower Upper

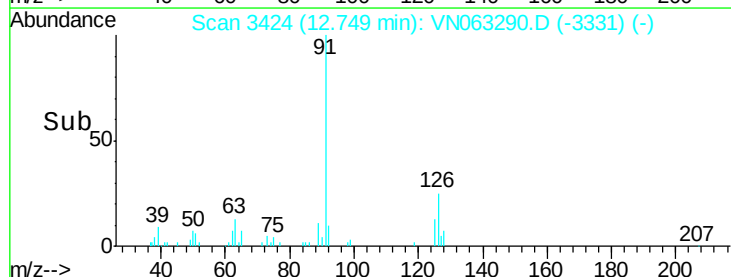
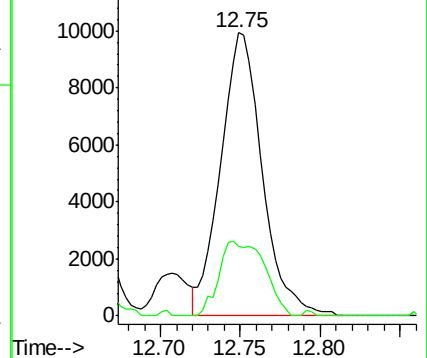
91 100

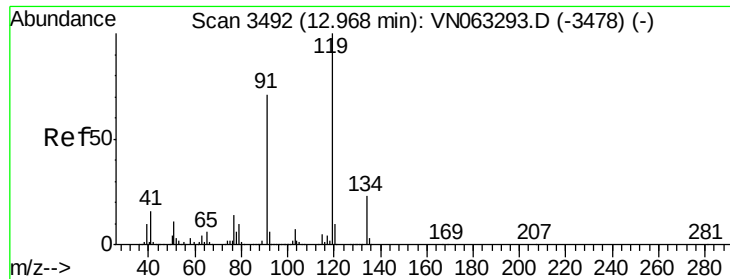
126 28.7 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V





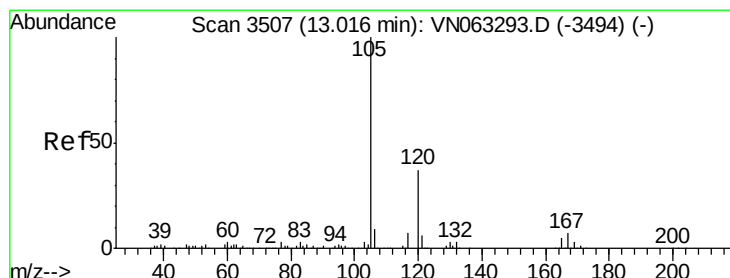
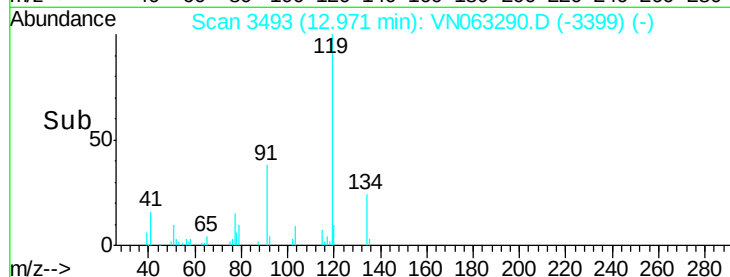
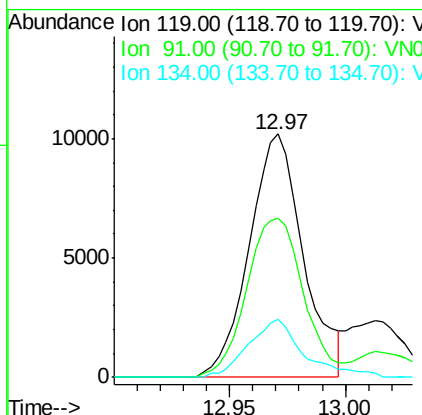
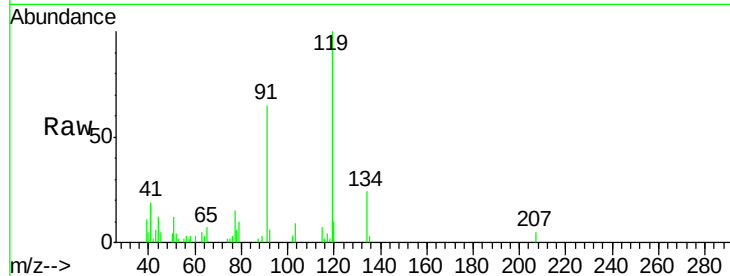
#83
 tert-Butylbenzene
 Concen: 1.249 ug/l
 RT: 12.97 min Scan# 3493
 Delta R.T. 0.00 min
 Lab File: VN063290.D
 Acq: 10 Sep 2020 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.8	104.3
134	24.4	11.9	35.5

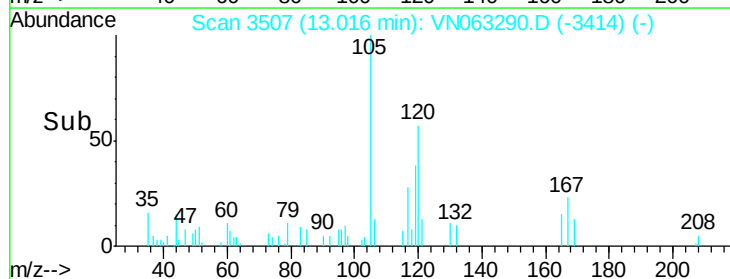
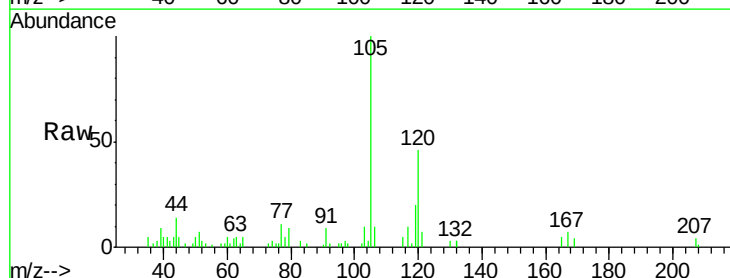
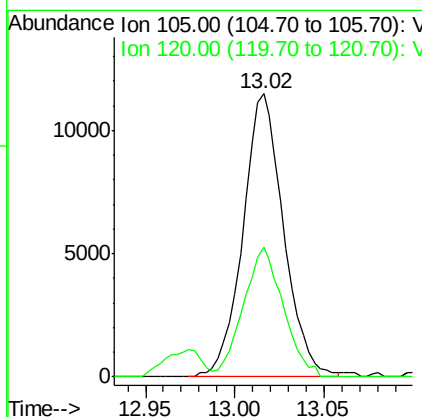
Manual Integrations
 APPROVED

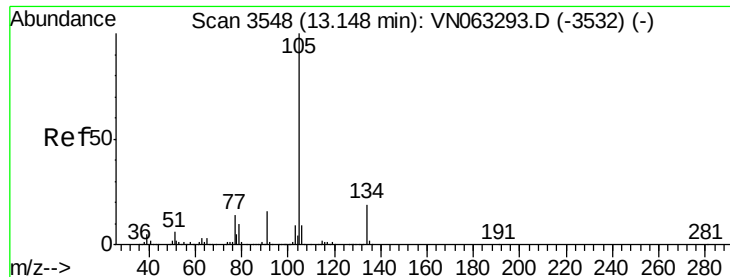
MMDadoda
 9/11/2020 2:02:15 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 1.170 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. -0.00 min
 Lab File: VN063290.D
 Acq: 10 Sep 2020 12:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.8	65.4





#85

sec-Butylbenzene

Concen: 1.110 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. -0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 19086

Ion Ratio Lower Upper

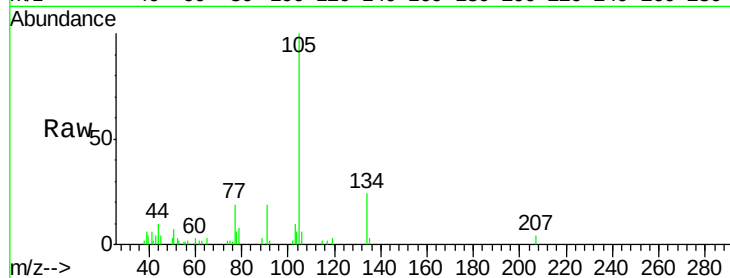
105 100

134 22.8 9.4 28.3

Manual Integrations
APPROVED

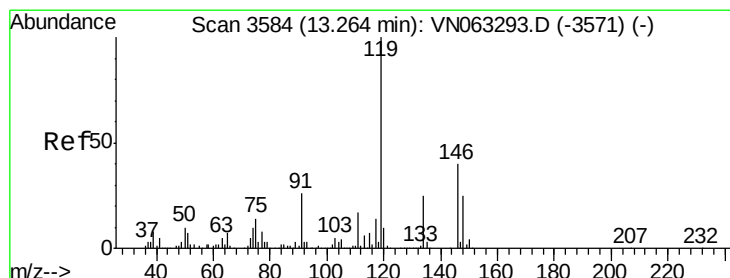
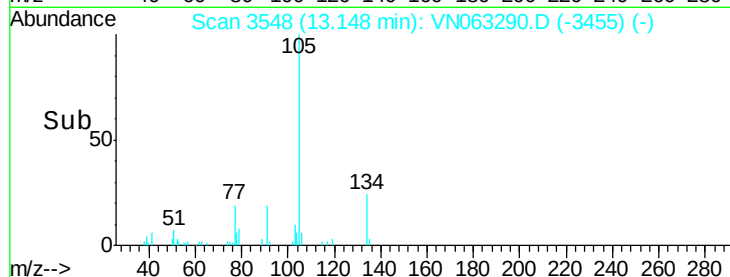
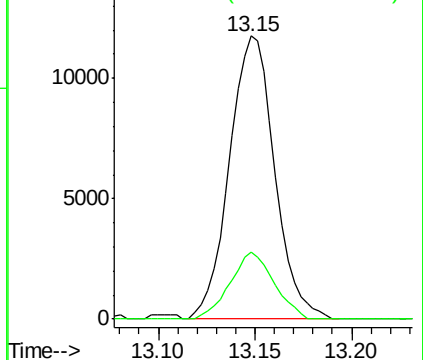
MMDadoda

9/11/2020 2:02:15 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.187 ug/l

RT: 13.27 min Scan# 3585

Delta R.T. 0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

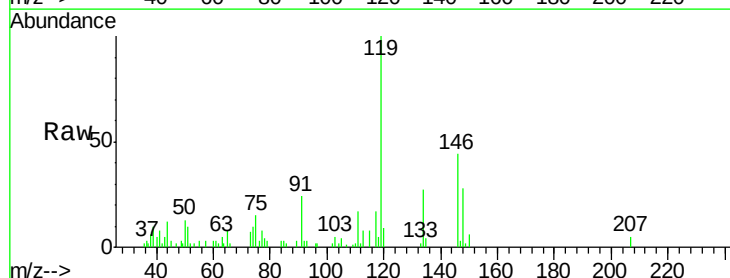
Tgt Ion:119 Resp: 18171

Ion Ratio Lower Upper

119 100

134 24.8 12.6 37.8

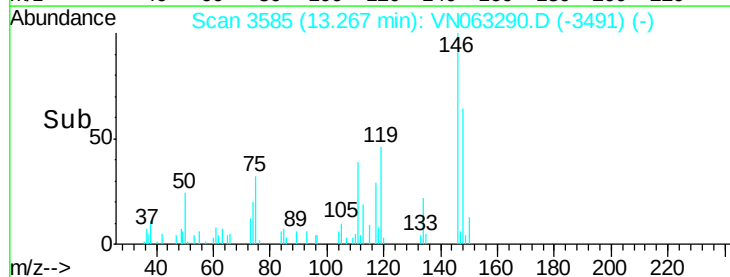
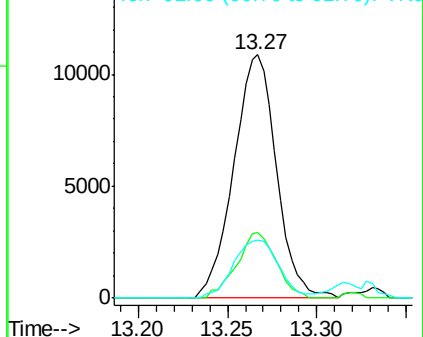
91 25.4 12.8 38.3

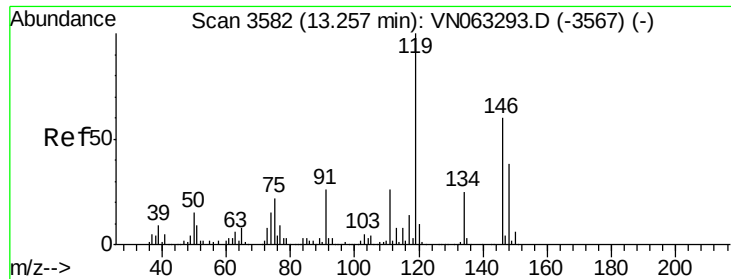


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





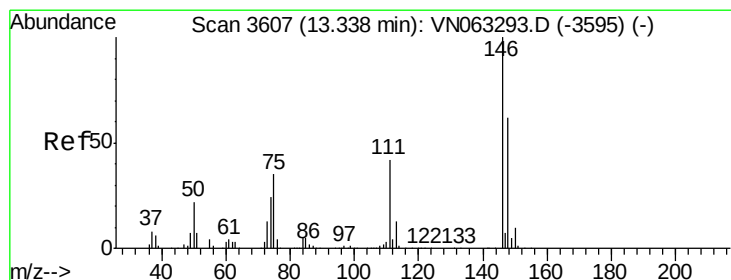
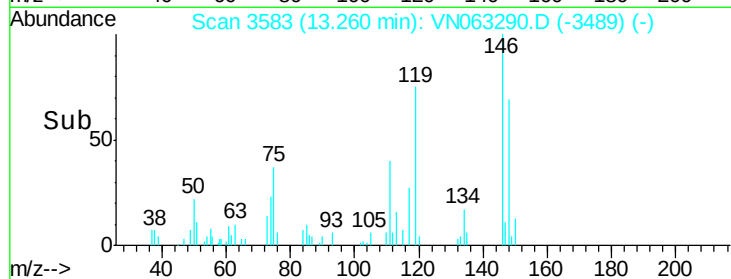
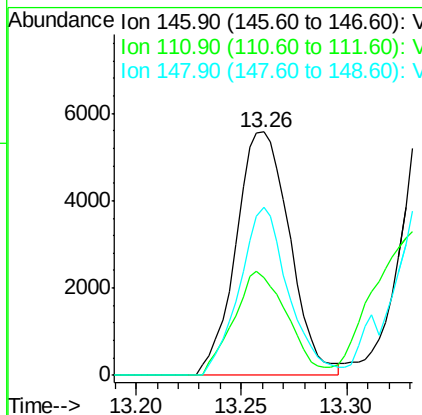
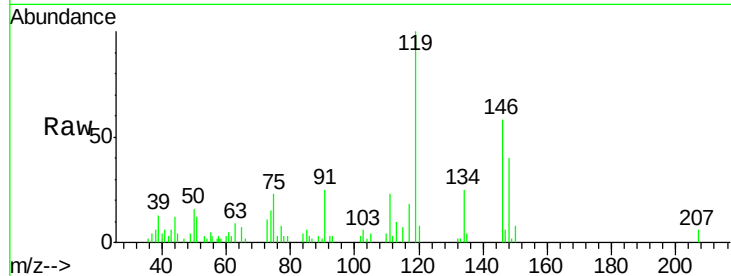
#87
 1,3-Dichlorobenzene
 Concen: 1.277 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN063290.D
 Acq: 10 Sep 2020 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.8	65.4
148	63.2	31.8	95.4

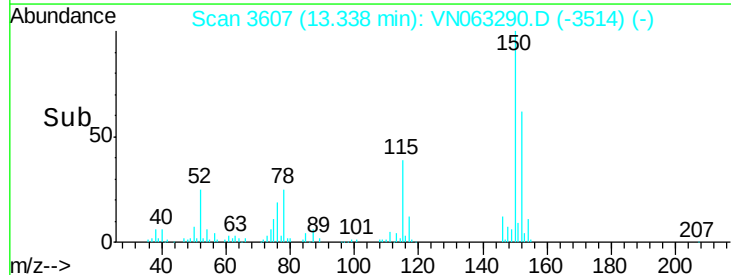
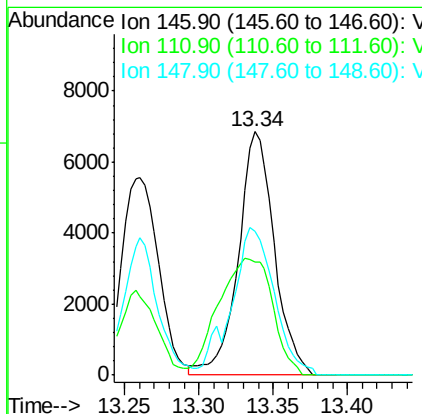
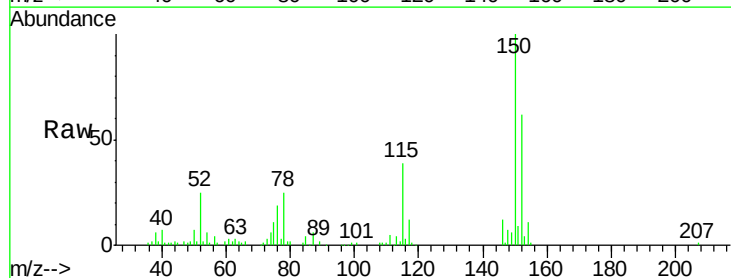
Manual Integrations
 APPROVED

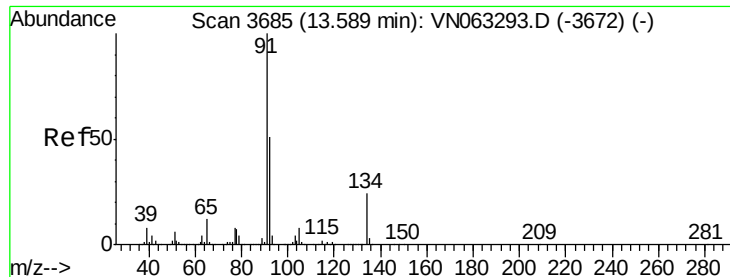
MMDadoda
 9/11/2020 2:02:15 PM



#88
 1,4-Dichlorobenzene
 Concen: 1.446 ug/l m
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063290.D
 Acq: 10 Sep 2020 12:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	21.3	64.0
148	54.1	31.5	94.5





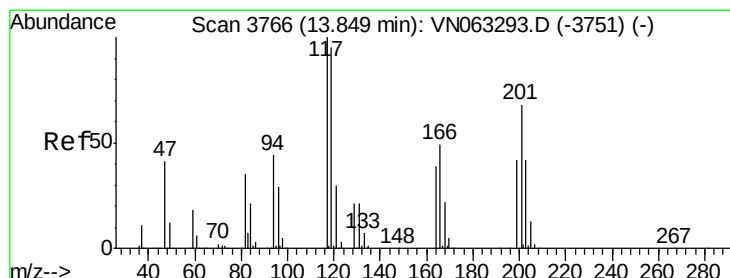
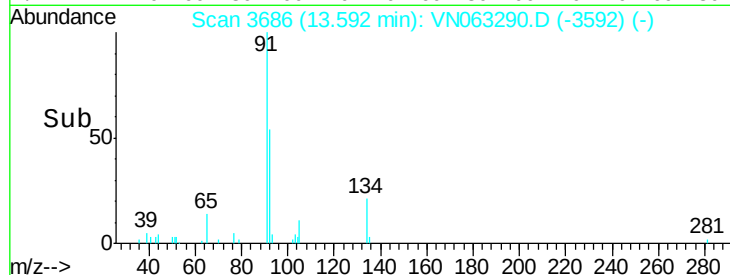
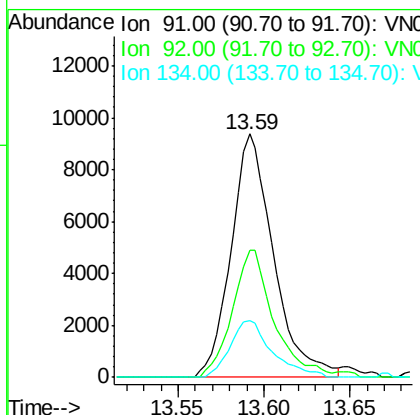
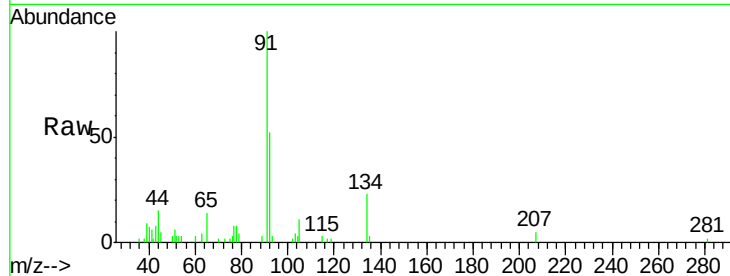
#89
n-Butylbenzene
Concen: 1.141 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.8	77.3
134	23.2	12.0	36.0

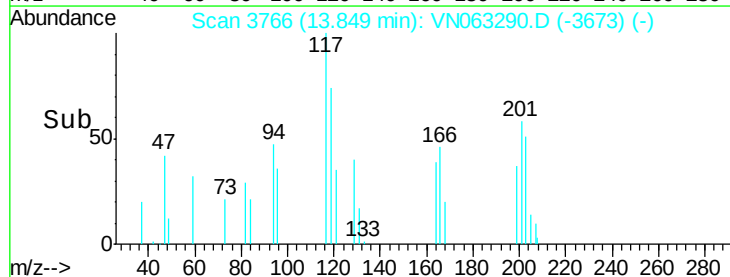
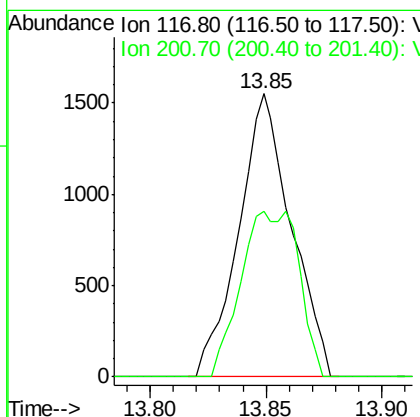
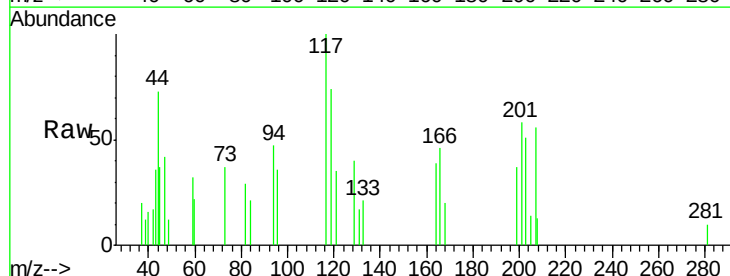
Manual Integrations
APPROVED

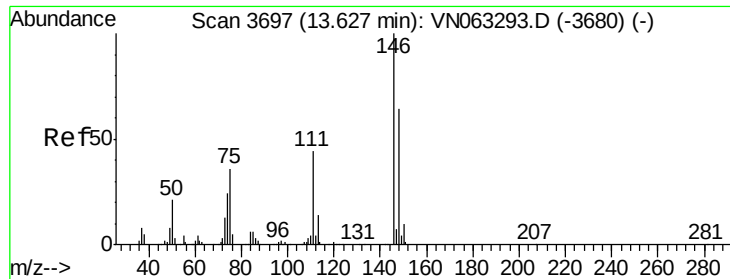
MMDadoda
9/11/2020 2:02:15 PM



#90
Hexachloroethane
Concen: 0.867 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.5	33.5	100.4





#91

1,2-Dichlorobenzene

Concen: 1.267 ug/l

RT: 13.63 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

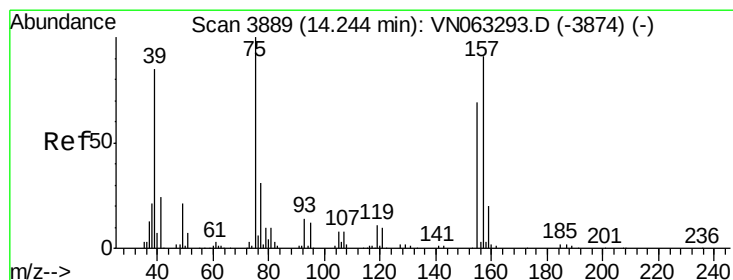
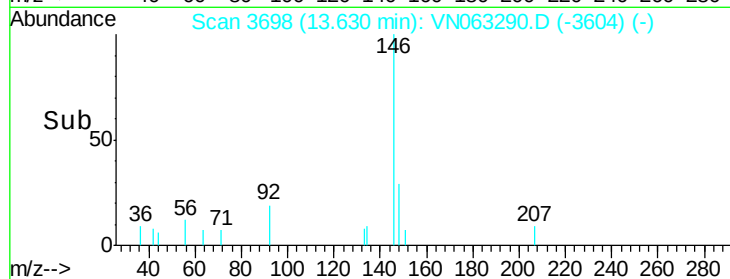
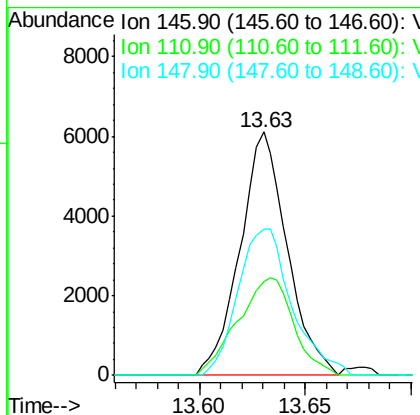
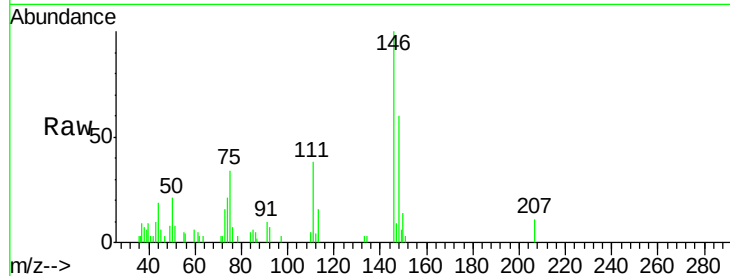
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	9520
Ion	Ratio	Lower	Upper
146	100		
111	47.2	22.1	66.5
148	68.7	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
9/11/2020 2:02:15 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.201 ug/l

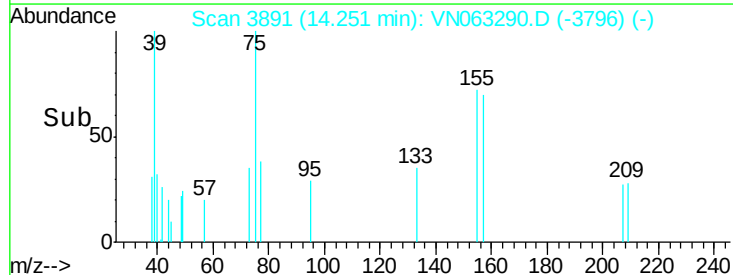
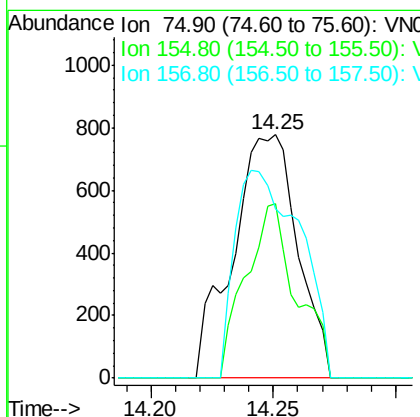
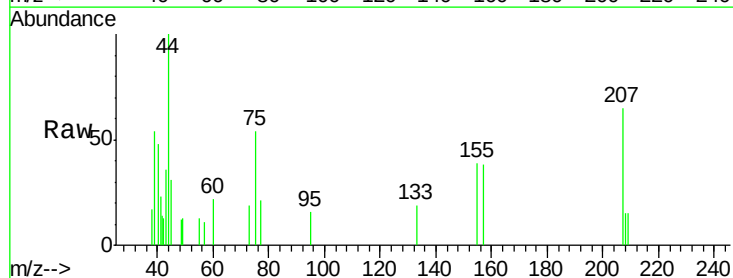
RT: 14.25 min Scan# 3891

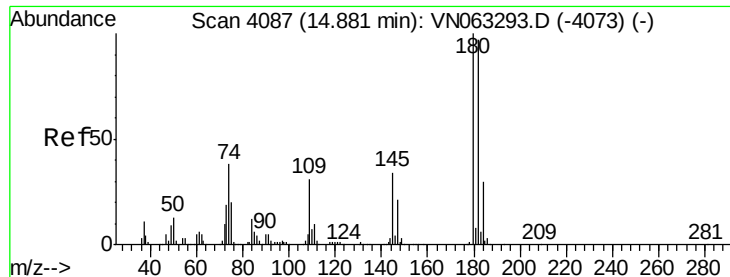
Delta R.T. 0.01 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Tgt Ion:	75	Resp:	1436
Ion	Ratio	Lower	Upper
75	100		
155	55.9	35.3	105.7
157	85.7	46.7	140.0





#93

1,2,4-Trichlorobenzene

Concen: 1.433 ug/l

RT: 14.89 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN063290.D

Acq: 10 Sep 2020 12:35

Instrument :

MSVOA_N

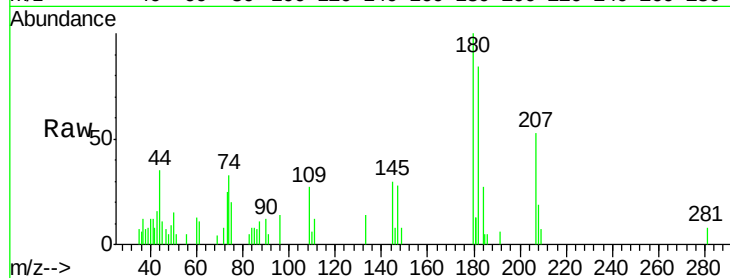
ClientSampled :

VSTDIC001

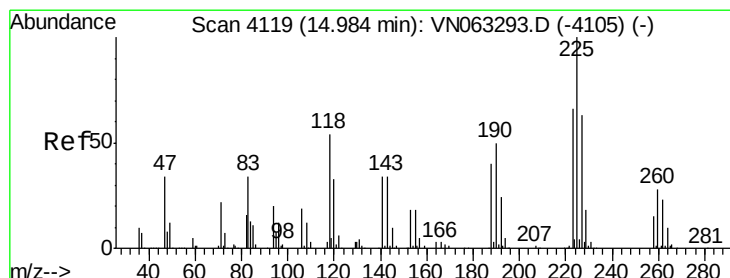
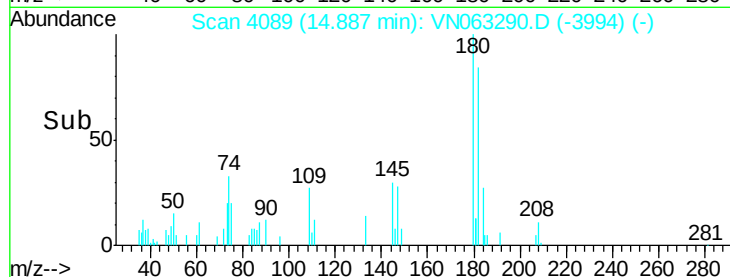
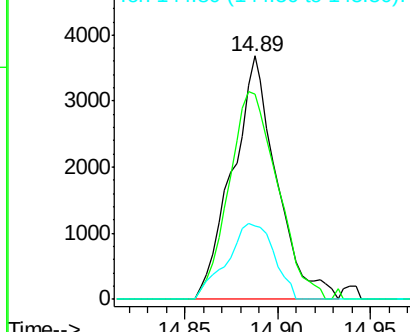
Tot Ion:	180	Resp:	6084
Ion Ratio	Lower	Upper	
180	100		
182	93.7	48.0	144.2
145	33.2	16.6	49.8

Manual Integrations
APPROVED

MMDadoda
9/11/2020 2:02:15 PM



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: 2.205 ug/l

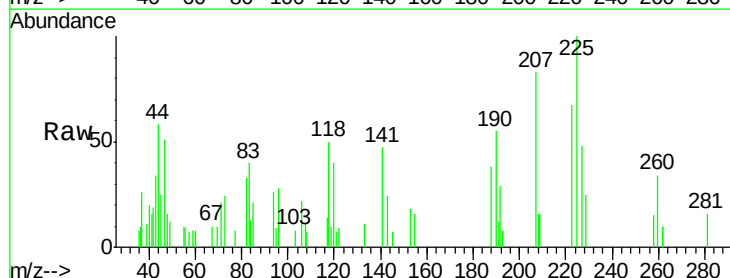
RT: 14.98 min Scan# 4118

Delta R.T. -0.00 min

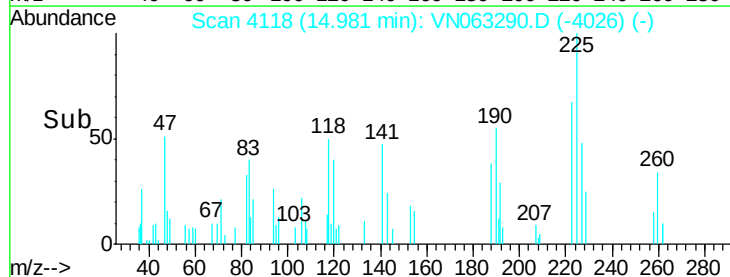
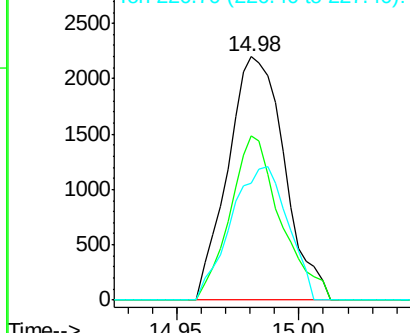
Lab File: VN063290.D

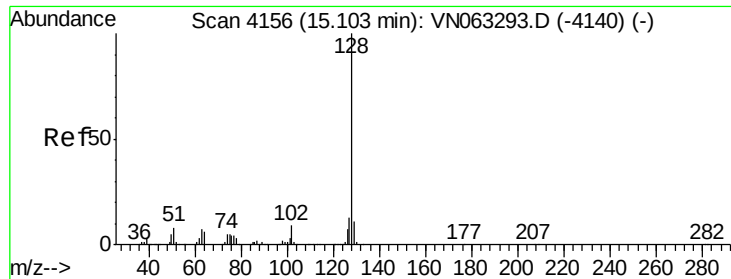
Acq: 10 Sep 2020 12:35

Tgt Ion:	225	Resp:	3538
Ion Ratio	Lower	Upper	
225	100		
223	60.1	31.3	93.9
227	55.3	31.2	93.6



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





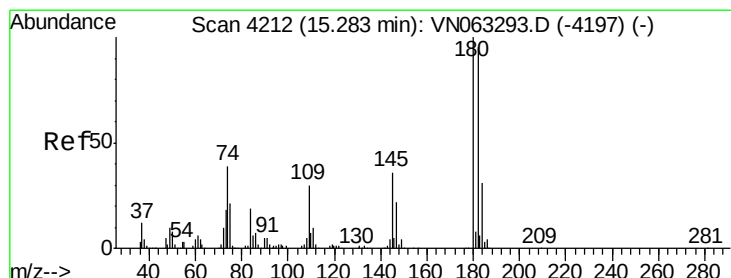
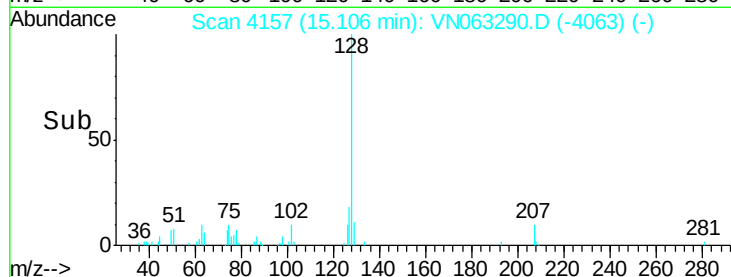
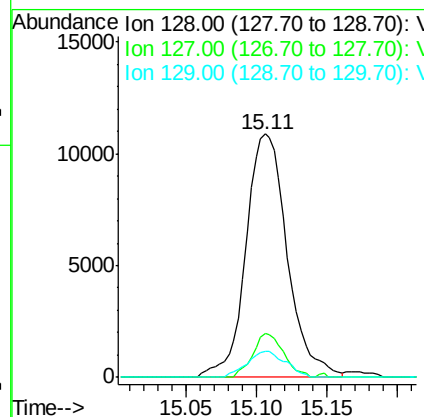
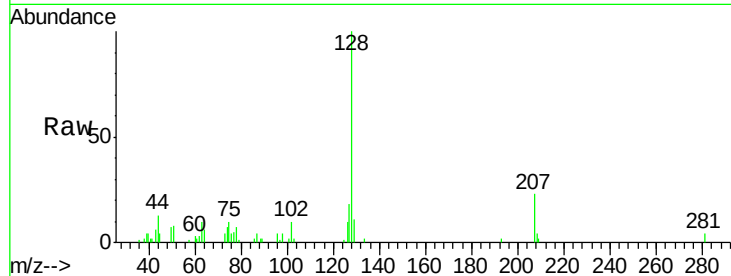
#95
Naphthalene
Concen: 1.611 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
128	100	22375		
127	13.5		10.3	15.5
129	9.9		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/11/2020 2:02:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 1.568 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063290.D
Acq: 10 Sep 2020 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	6485		
182	89.8		47.4	142.3
145	39.3		17.2	51.6

