

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN110619\
 Data File : VN059095.D
 Acq On : 6 Nov 2019 10:01
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 9:16:11 AM

Quant Time: Jan 28 01:17:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 27 17:22:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	501883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	780819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	716666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	341701	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	294155	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
35) Dibromofluoromethane	7.57	113	226969	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	10.08	98	902428	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.40	95	322433	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	242739	48.004	ug/l	100
3) Chloromethane	2.04	50	320526	46.630	ug/l	100
4) Vinyl Chloride	2.17	62	318466	47.787	ug/l	100
5) Bromomethane	2.54	94	182195	47.508	ug/l	100
6) Chloroethane	2.68	64	186343	47.269	ug/l	100
7) Trichlorofluoromethane	3.00	101	389838	48.906	ug/l	100
8) Diethyl Ether	3.39	74	158967	49.081	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	233068	48.494	ug/l	100
10) Methyl Iodide	3.93	142	298379	50.156	ug/l	100
11) Tert butyl alcohol	4.75	59	284191	241.708	ug/l	100
12) 1,1-Dichloroethene	3.71	96	227595	48.613	ug/l	100
13) Acrolein	3.58	56	146716	242.027	ug/l	100
14) Allyl chloride	4.30	41	461136	47.950	ug/l	100
15) Acrylonitrile	4.95	53	744559	254.457	ug/l	100
16) Acetone	3.79	43	854120	266.228	ug/l	100
17) Carbon Disulfide	4.03	76	679047	46.723	ug/l	100
18) Methyl Acetate	4.30	43	375258	49.279	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	804261	49.896	ug/l	100
20) Methylene Chloride	4.52	84	268292	48.002	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	244729	48.698	ug/l	100
22) Diisopropyl ether	5.92	45	909261	50.055	ug/l	100
23) Vinyl Acetate	5.87	43	3779296	268.449	ug/l	100
24) 1,1-Dichloroethane	5.82	63	496647	48.952	ug/l	100
25) 2-Butanone	6.81	43	1096182	259.252	ug/l	100
26) 2,2-Dichloropropane	6.80	77	421181	47.476	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	286934	49.214	ug/l	100
28) Bromochloromethane	7.17	49	146369	47.952	ug/l	100
29) Tetrahydrofuran	7.18	42	681197	253.551	ug/l	100
30) Chloroform	7.35	83	470814	48.375	ug/l	100
31) Cyclohexane	7.63	56	457129	47.594	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	407324	49.779	ug/l	100
36) 1,1-Dichloropropene	7.77	75	361775	49.569	ug/l	100
37) Ethyl Acetate	6.90	43	413563	50.936	ug/l	100
38) Carbon Tetrachloride	7.75	117	357171	49.169	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN110619\
 Data File : VN059095.D
 Acq On : 6 Nov 2019 10:01
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 9:16:11 AM

Quant Time: Jan 28 01:17:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 27 17:22:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	432147	51.018	ug/l	100
40) Benzene	8.02	78	1096973	49.912	ug/l	100
41) Methacrylonitrile	7.16	41	194445m	55.074	ug/l	
42) 1,2-Dichloroethane	8.10	62	374817	49.725	ug/l	100
43) Isopropyl Acetate	8.14	43	647432	50.018	ug/l	100
44) Trichloroethene	8.82	130	268380	49.676	ug/l	100
45) 1,2-Dichloropropane	9.10	63	299141	50.111	ug/l	100
46) Dibromomethane	9.19	93	180552	48.536	ug/l	100
47) Bromodichloromethane	9.39	83	374995	50.483	ug/l	100
48) Methyl methacrylate	9.18	41	296739	51.252	ug/l	100
49) 1,4-Dioxane	9.18	88	102560	996.751	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	2032714	277.538	ug/l	100
52) Toluene	10.14	92	660390	50.132	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	431211	50.246	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	467832	50.678	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	262193	49.181	ug/l	100
56) Ethyl methacrylate	10.42	69	422923	47.654	ug/l	100
57) 1,3-Dichloropropane	10.70	76	459518	50.080	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	849181	286.213	ug/l	100
59) 2-Hexanone	10.74	43	1568745	279.057	ug/l	100
60) Dibromochloromethane	10.90	129	284491	50.472	ug/l	100
61) 1,2-Dibromoethane	11.00	107	269565	49.948	ug/l	100
64) Tetrachloroethene	10.62	164	234953	48.213	ug/l	100
65) Chlorobenzene	11.43	112	687797	49.232	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	258343	49.296	ug/l	100
67) Ethyl Benzene	11.51	91	1275362	51.453	ug/l	100
68) m/p-Xylenes	11.62	106	948516	102.157	ug/l	100
69) o-Xylene	11.95	106	450455	50.201	ug/l	100
70) Styrene	11.96	104	750794	53.202	ug/l	100
71) Bromoform	12.13	173	207103	50.805	ug/l	100
73) Isopropylbenzene	12.25	105	1225792	49.317	ug/l	100
74) N-amyl acetate	12.07	43	546903	51.927	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	406330	48.004	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	351702m	45.209	ug/l	
77) Bromobenzene	12.53	156	297305	47.609	ug/l	100
78) n-propylbenzene	12.59	91	1446623	50.831	ug/l	100
79) 2-Chlorotoluene	12.67	91	848538	48.063	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1045854	49.658	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	146040	49.584	ug/l	100
82) 4-Chlorotoluene	12.77	91	878184	49.594	ug/l	100
83) tert-Butylbenzene	12.99	119	892640	49.078	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1031663	50.629	ug/l	100
85) sec-Butylbenzene	13.17	105	1197161	50.610	ug/l	100
86) p-Isopropyltoluene	13.29	119	1083318	51.868	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	521517	48.769	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	515125	48.146	ug/l	100
89) n-Butylbenzene	13.62	91	936975	51.256	ug/l	100
90) Hexachloroethane	13.88	117	196267	46.797	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	518417	49.282	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82324	48.750	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN110619\
Data File : VN059095.D
Acq On : 6 Nov 2019 10:01
Operator : JC/SP
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

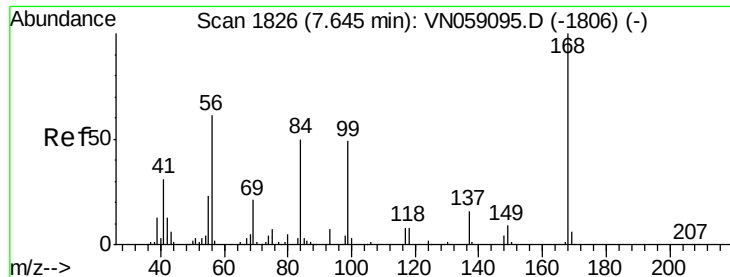
Manual Integrations
APPROVED

MMDadoda
11/7/2019 9:16:11 AM

Quant Time: Jan 28 01:17:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 27 17:22:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	289176	45.595	ug/l	100
94) Hexachlorobutadiene	15.01	225	170199	46.924	ug/l	100
95) Naphthalene	15.13	128	790292	44.959	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	290100	49.209	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 501883

Ion Ratio Lower Upper

168 100

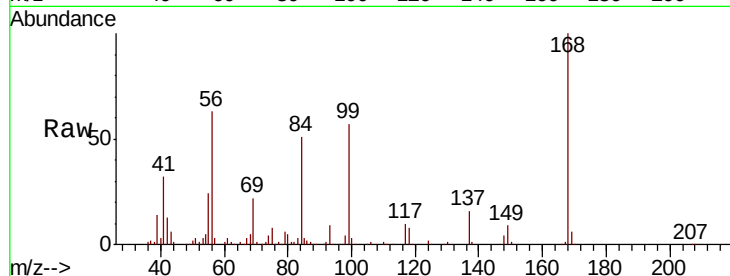
99 57.1 45.7 68.5

Manual Integrations

APPROVED

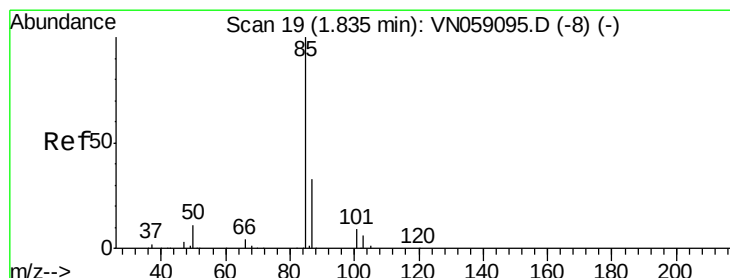
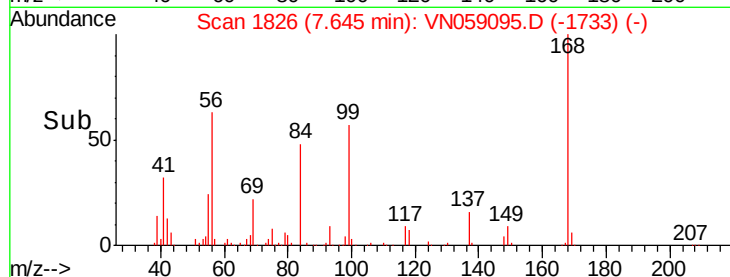
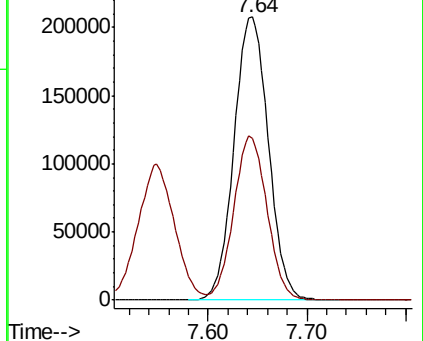
MMDadoda

11/7/2019 9:16:11 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.004 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059095.D

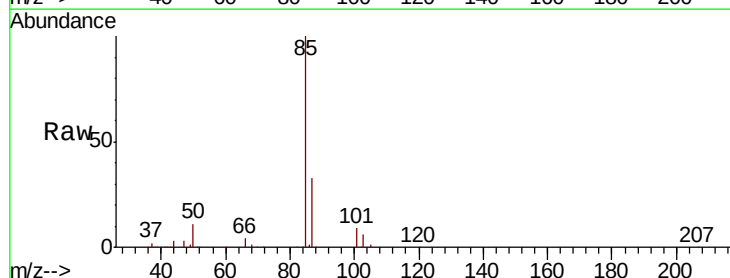
Acq: 6 Nov 2019 10:01

Tgt Ion: 85 Resp: 242739

Ion Ratio Lower Upper

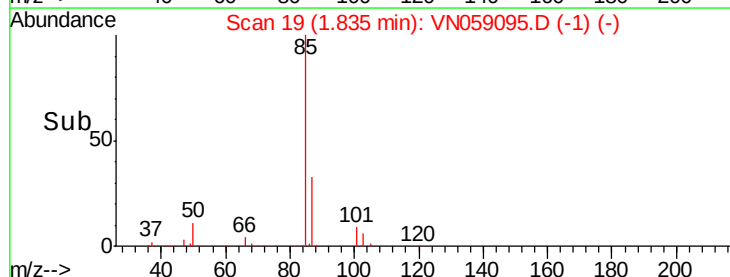
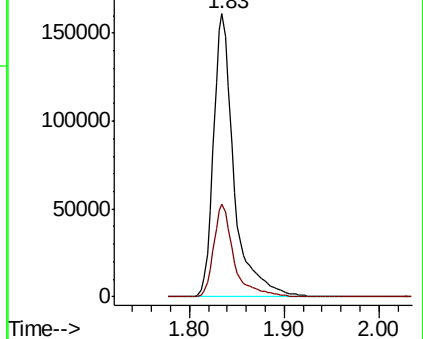
85 100

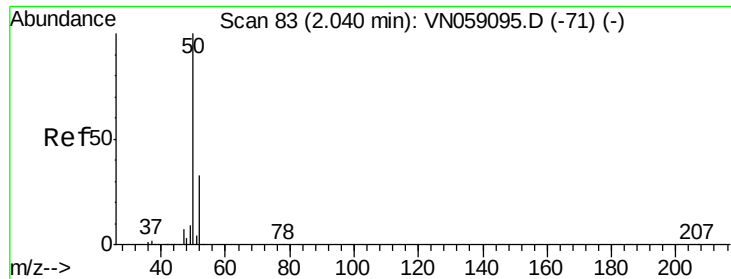
87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.630 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 320526

Ion Ratio Lower Upper

50 100

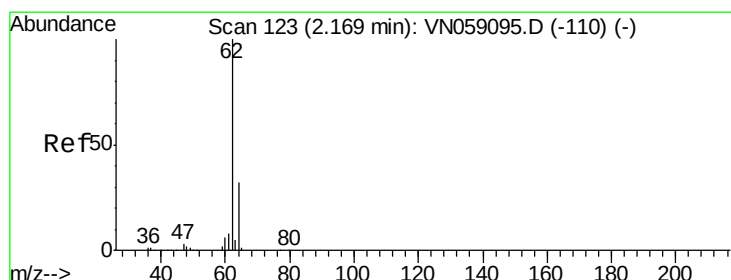
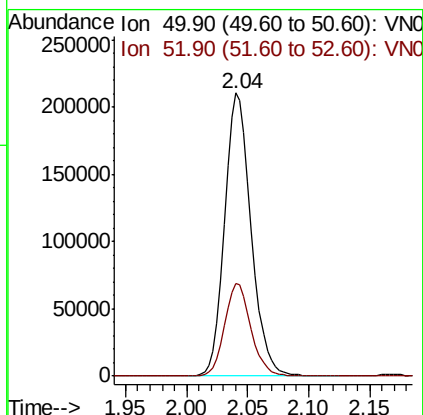
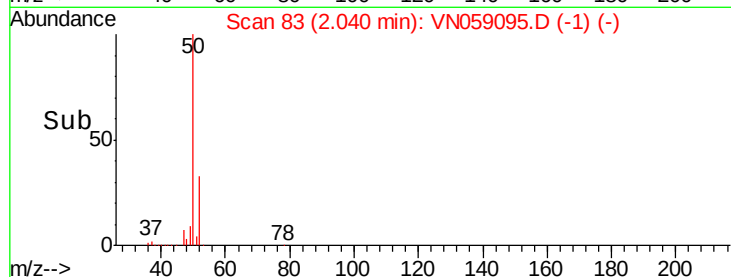
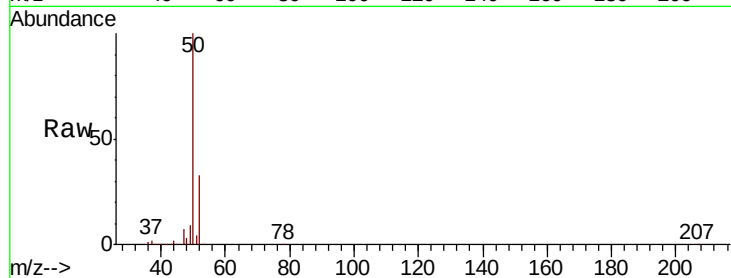
52 32.5 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

11/7/2019 9:16:11 AM



#4

Vinyl Chloride

Concen: 47.787 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059095.D

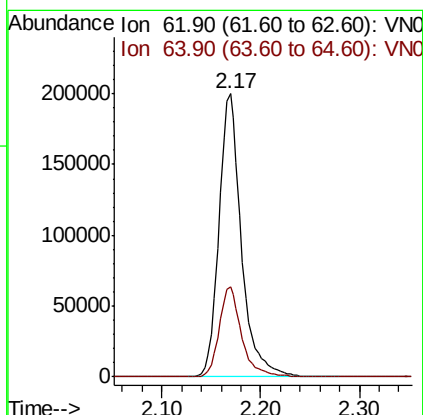
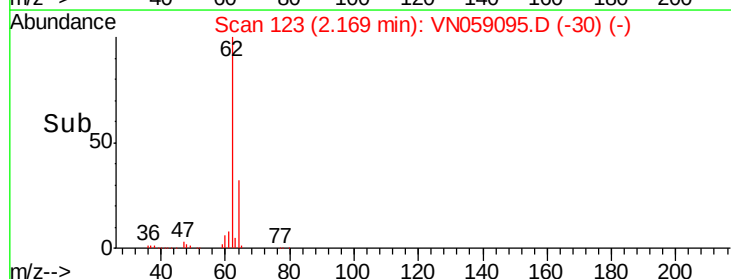
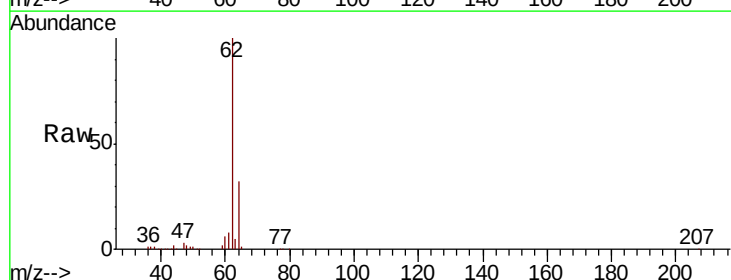
Acq: 6 Nov 2019 10:01

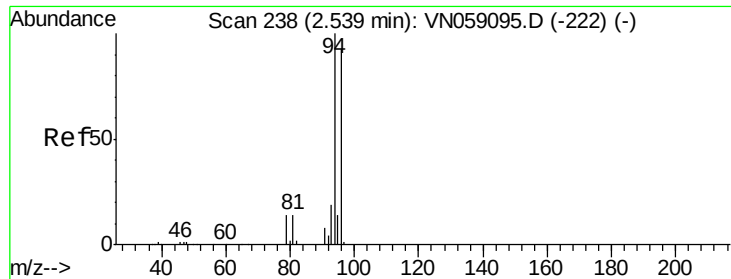
Tgt Ion: 62 Resp: 318466

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 47.508 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 182195

Ion Ratio Lower Upper

94 100

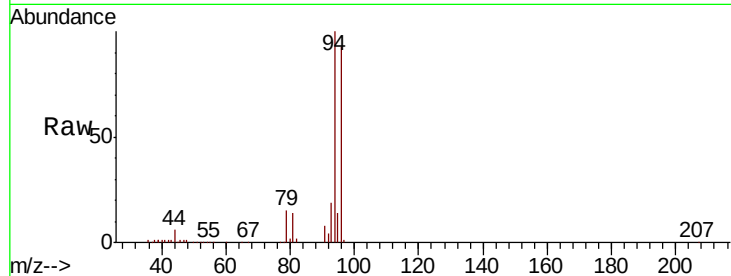
96 92.7 74.2 111.2

Manual Integrations

APPROVED

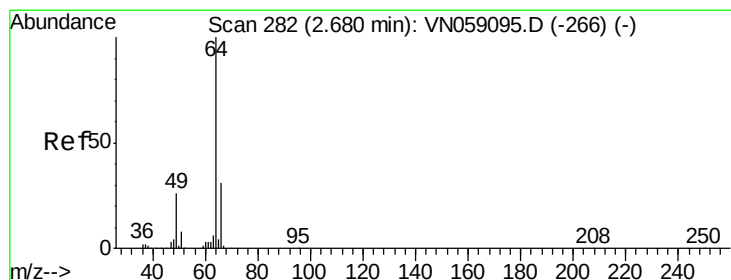
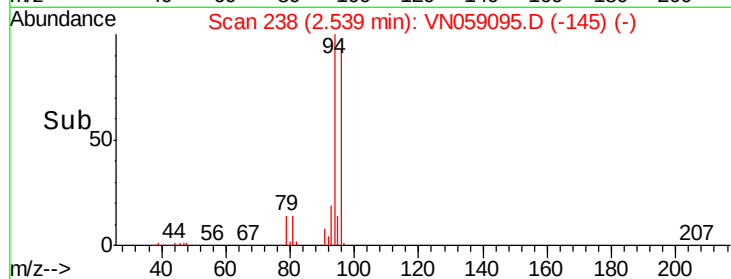
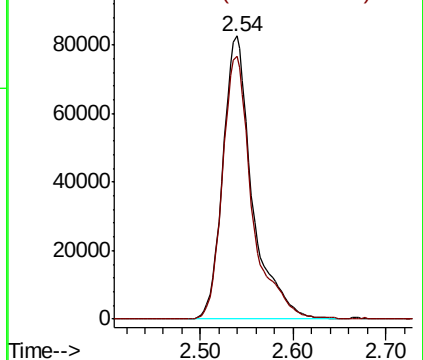
MMDadoda

11/7/2019 9:16:11 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.269 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059095.D

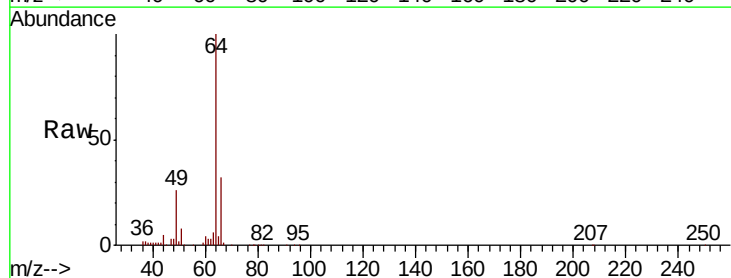
Acq: 6 Nov 2019 10:01

Tgt Ion: 64 Resp: 186343

Ion Ratio Lower Upper

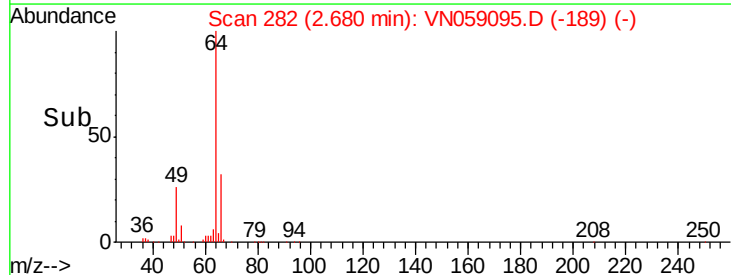
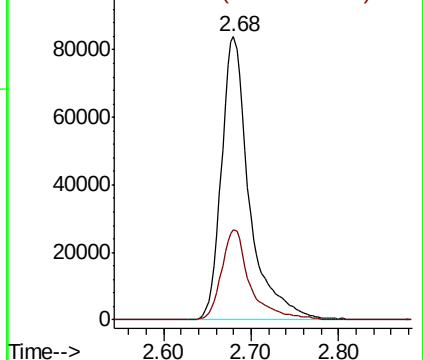
64 100

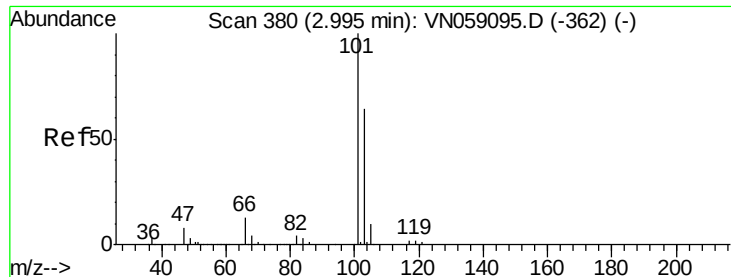
66 31.5 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

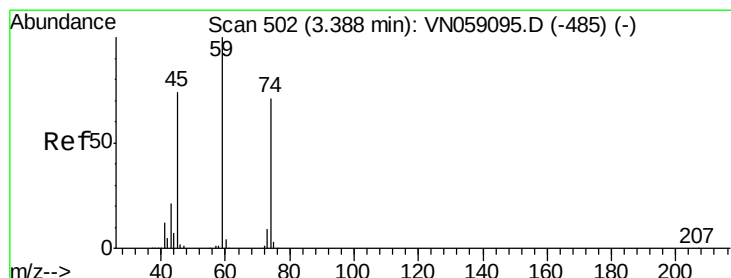
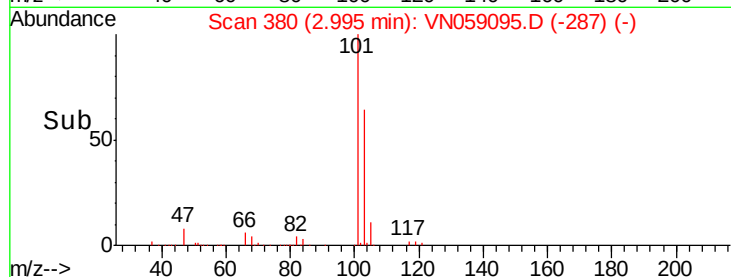
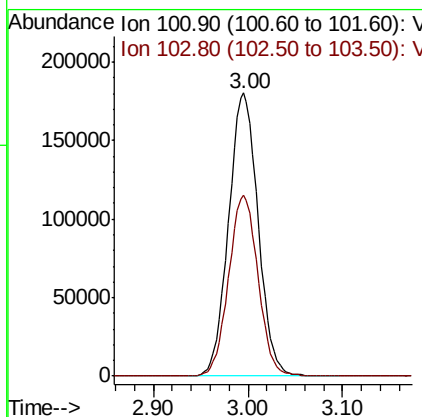
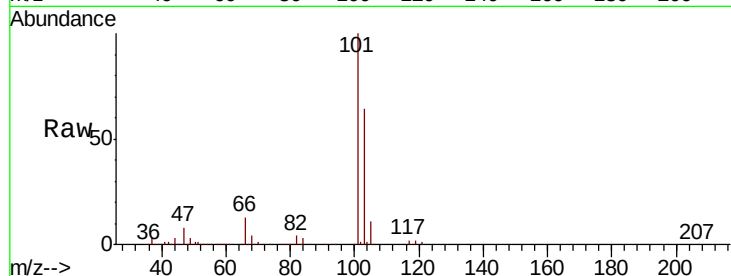
Trichlorofluoromethane
 Concen: 48.906 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.2	76.8

Manual Integrations
 APPROVED

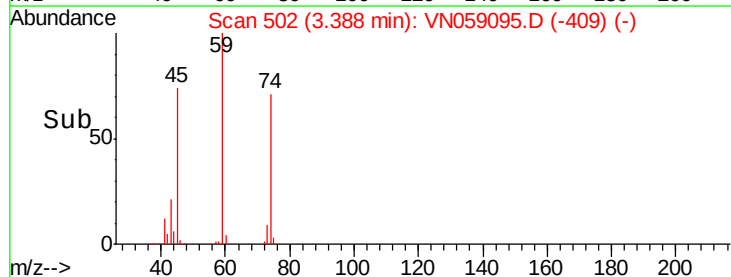
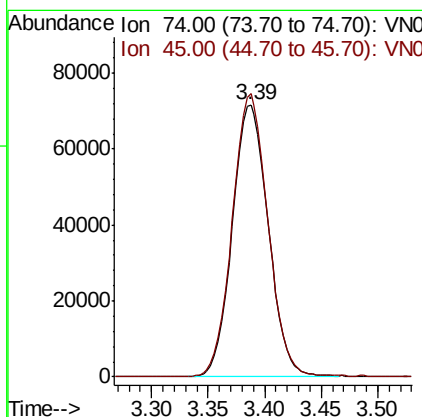
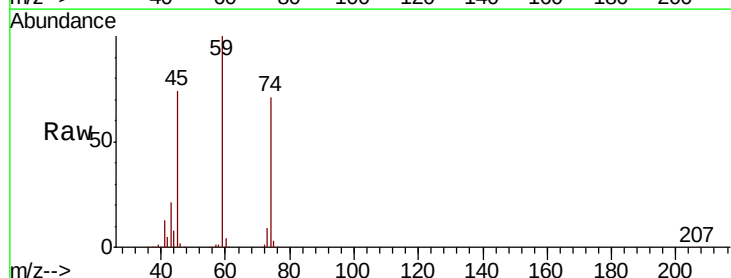
MMDadoda
 11/7/2019 9:16:11 AM

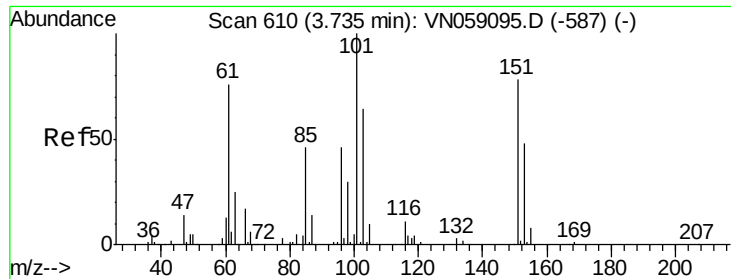


#8

Diethyl Ether
 Concen: 49.081 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.3	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.494 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

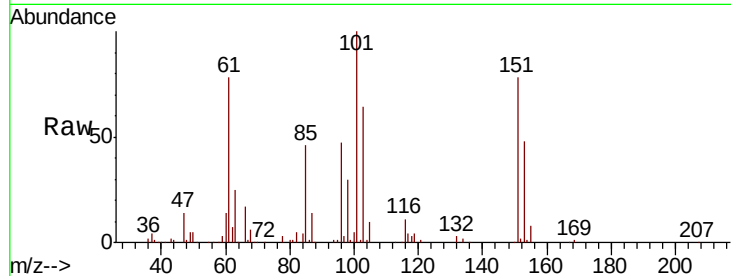
ClientSampleId :

VSTDICCC050

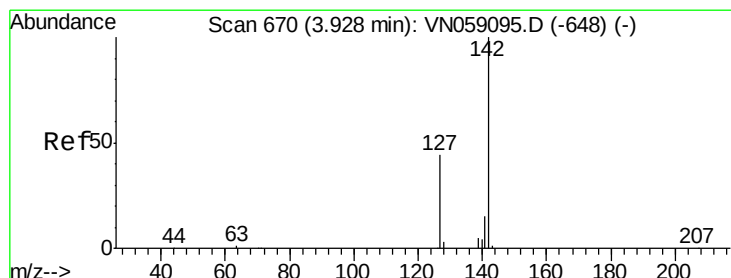
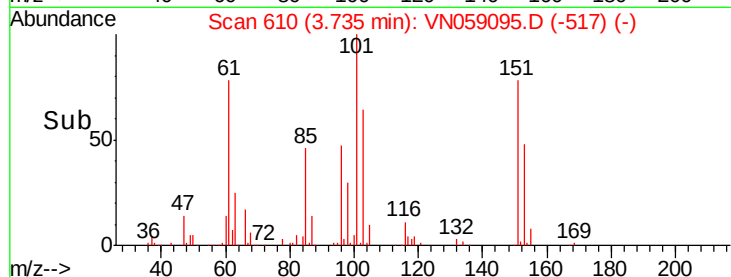
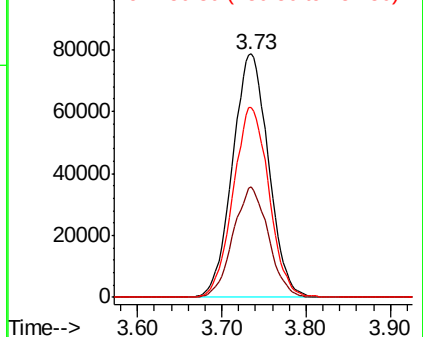
Tot Ion:	101	Resp:	233068
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.5	53.3
151	77.7	62.2	93.2

Manual Integrations
APPROVED

MMDadoda
11/7/2019 9:16:11 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.156 ug/l

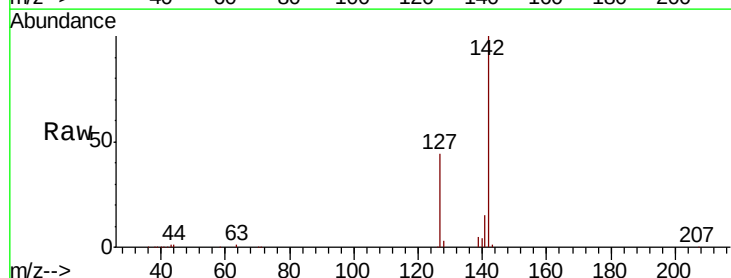
RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

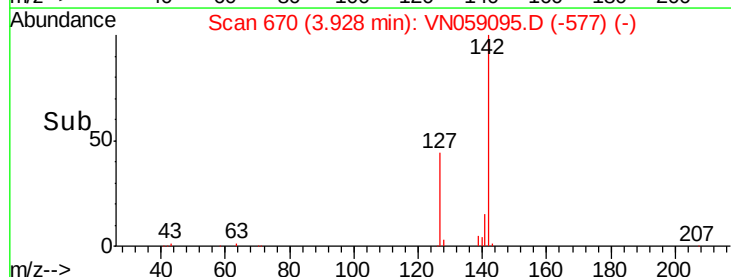
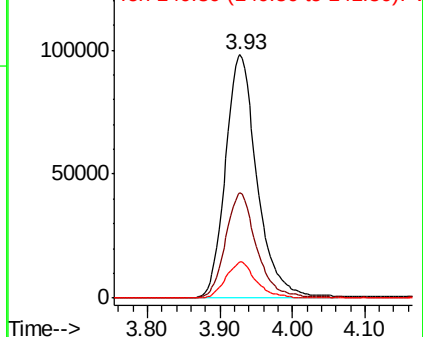
Lab File: VN059095.D

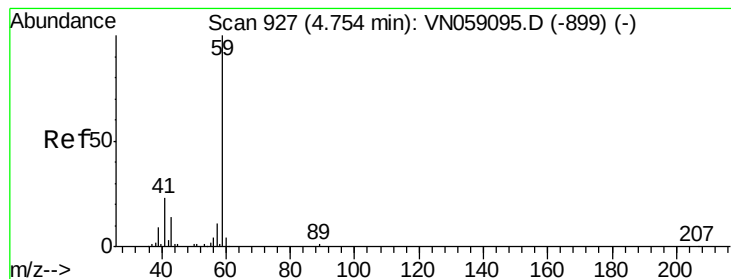
Acq: 6 Nov 2019 10:01

Tgt Ion:	142	Resp:	298379
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.2	51.2
141	14.2	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

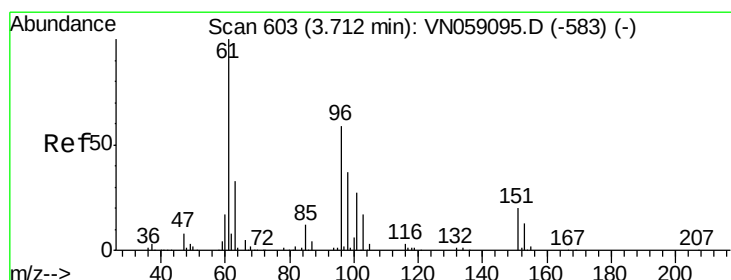
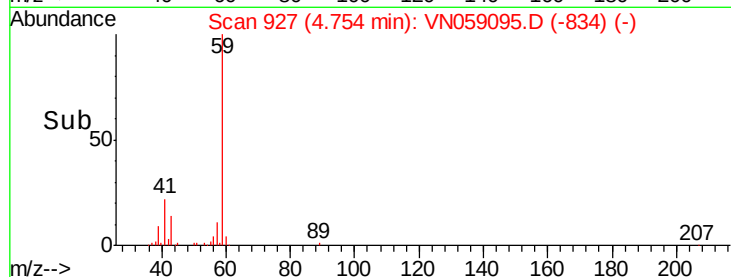
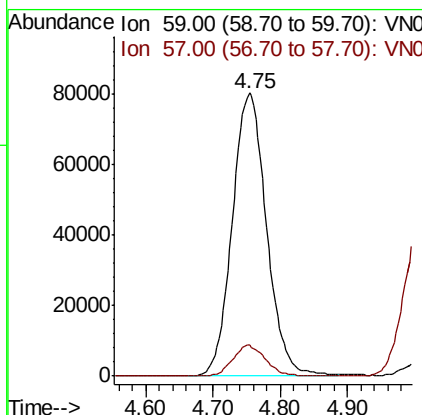
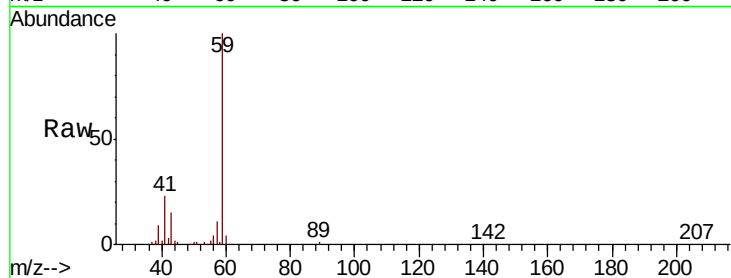
Tert butyl alcohol
Concen: 241.708 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

Manual Integrations
APPROVED

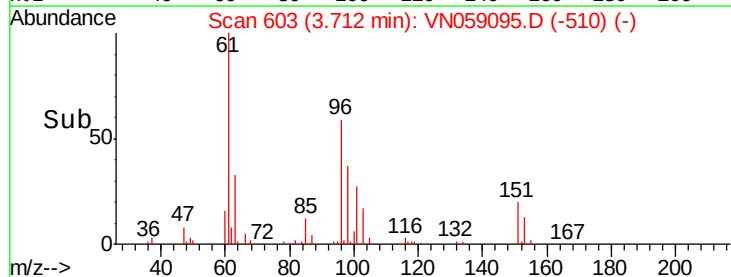
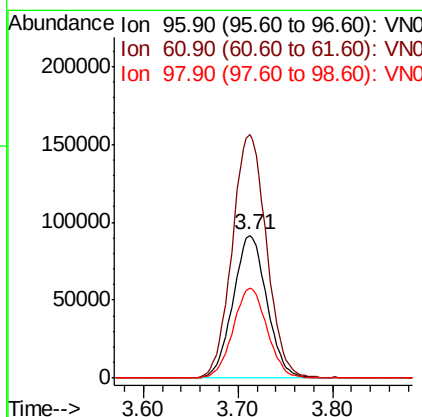
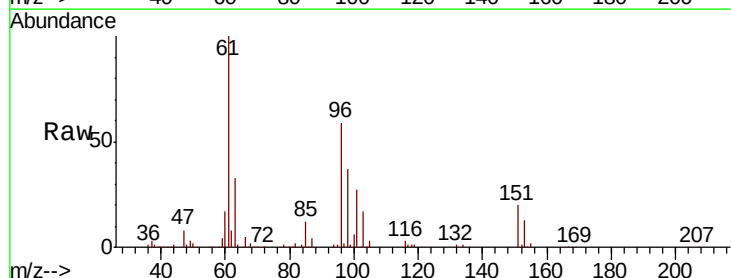
MMDadoda
11/7/2019 9:16:11 AM

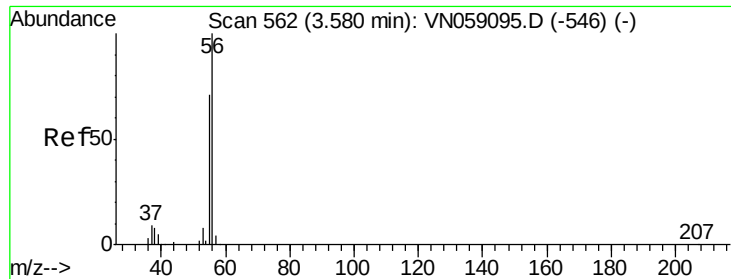


#12

1,1-Dichloroethene
Concen: 48.613 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.6	136.5	204.7
98	62.8	50.2	75.4





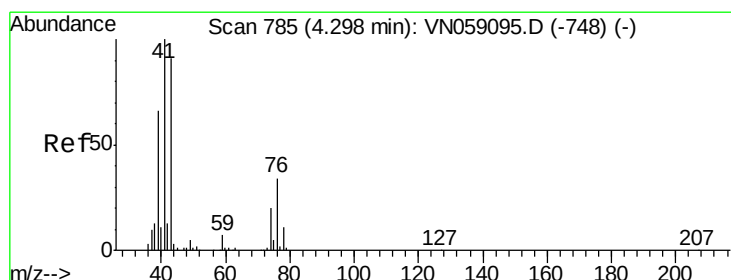
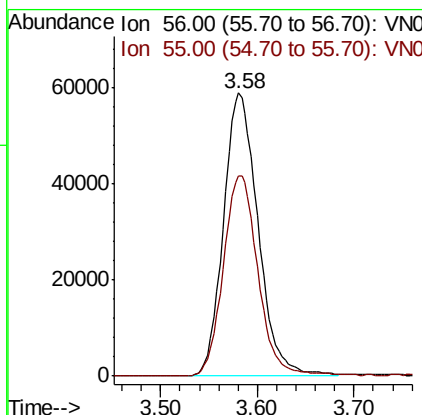
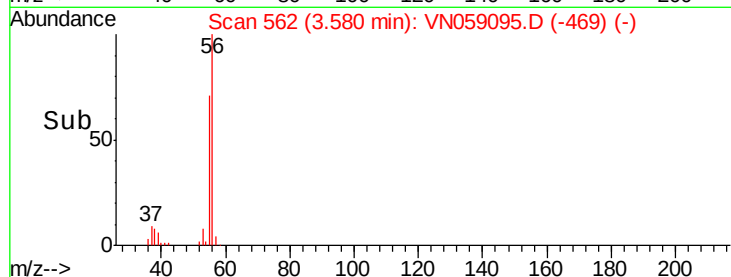
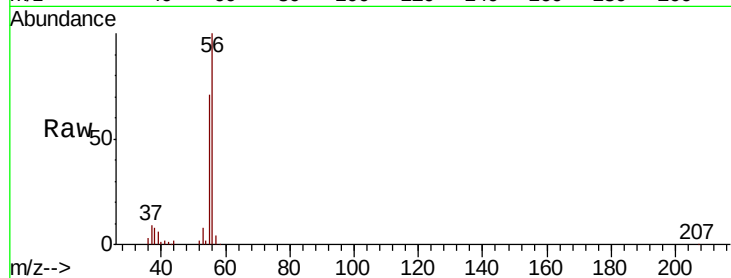
#13
Acrolein
Concen: 242.027 ug/l
RT: 3.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	146716
Ion Ratio	100	Lower	Upper
55	70.5	56.4	84.6

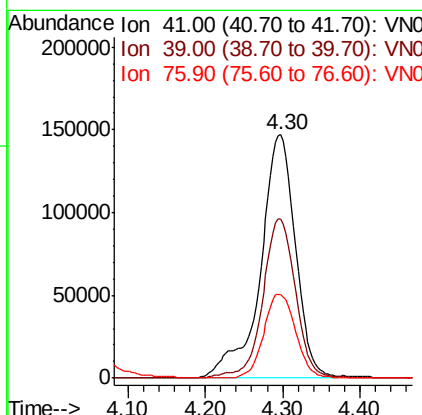
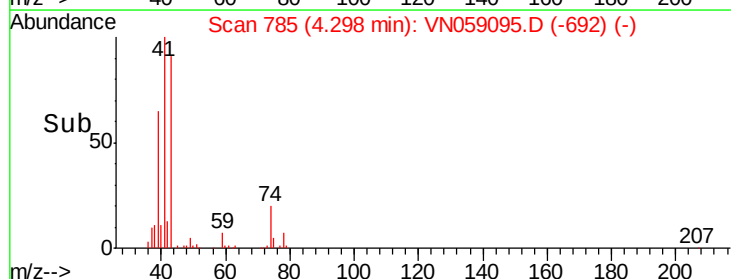
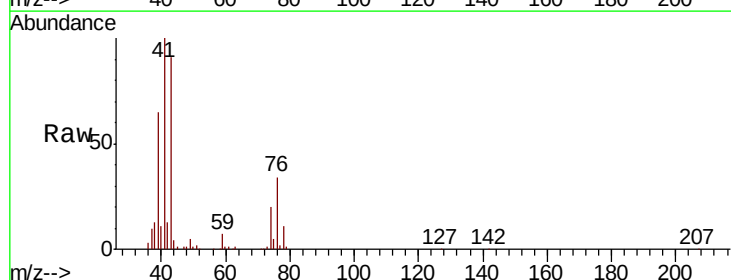
Manual Integrations
APPROVED

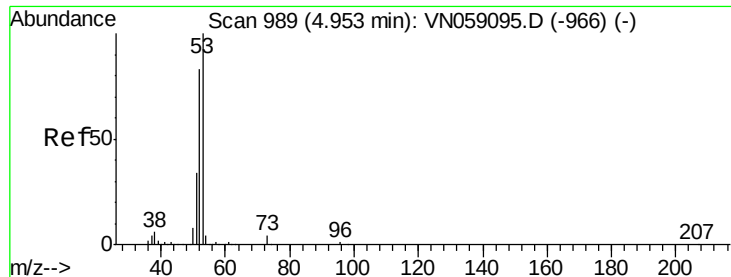
MMDadoda
11/7/2019 9:16:11 AM



#14
Allyl chloride
Concen: 47.950 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion	41	Resp	461136
Ion Ratio	100	Lower	Upper
39	61.4	49.1	73.7
76	31.1	24.9	37.3





#15

Acrylonitrile

Concen: 254.457 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

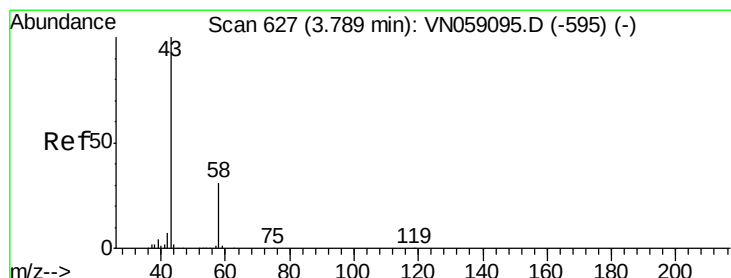
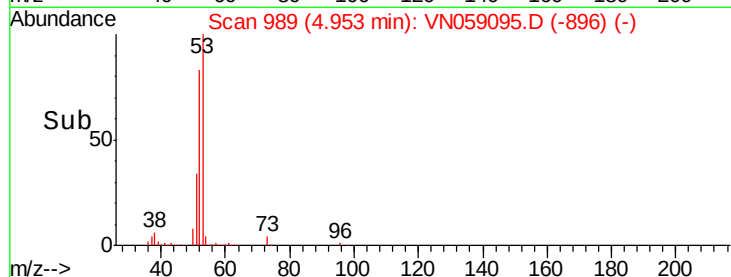
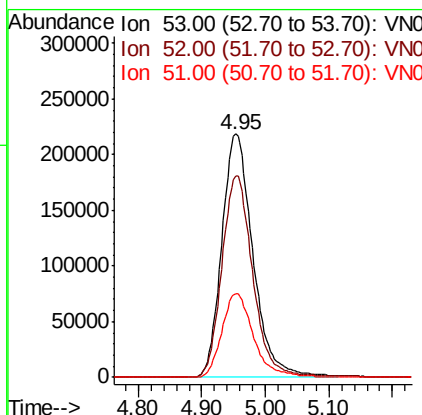
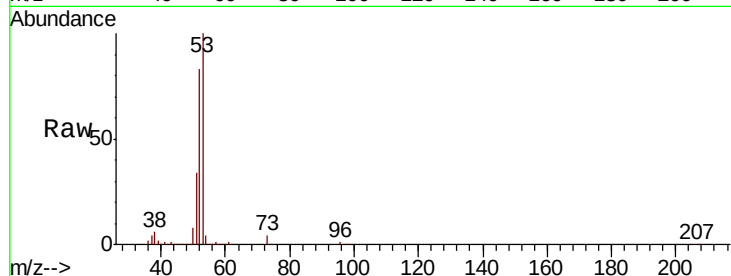
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	744559
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	35.0	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
11/7/2019 9:16:11 AM



#16

Acetone

Concen: 266.228 ug/l

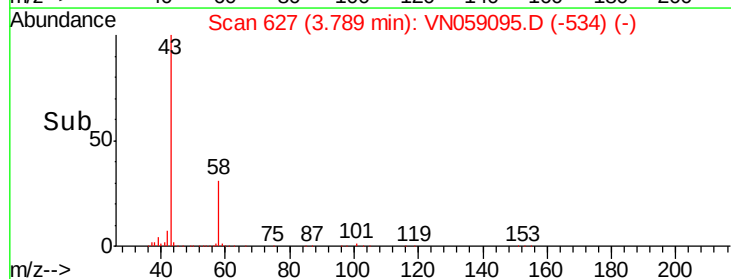
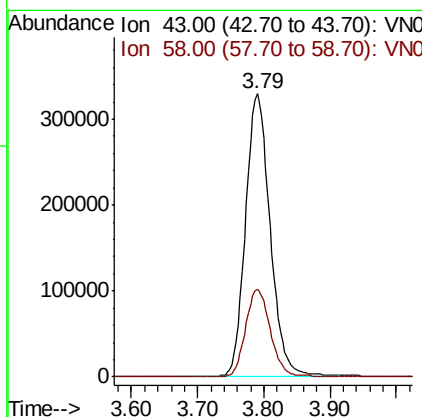
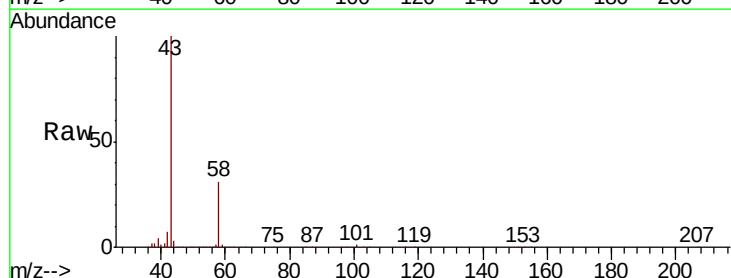
RT: 3.79 min Scan# 627

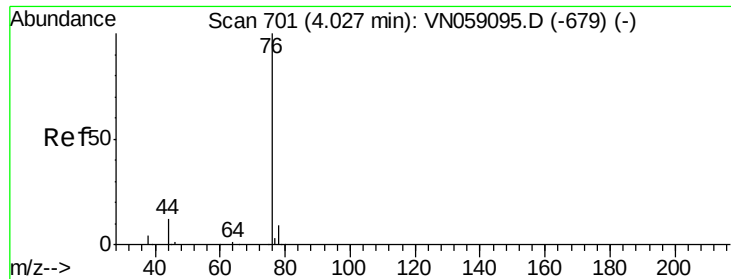
Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Tgt Ion:	43	Resp:	854120
Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.9	37.3





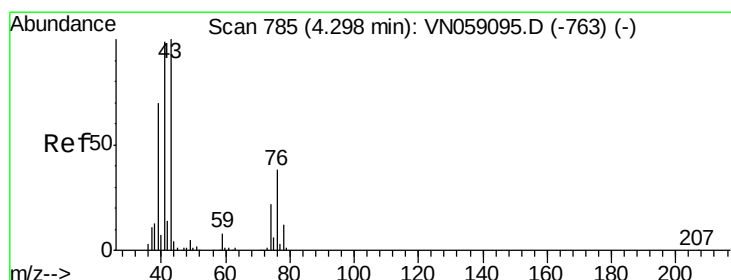
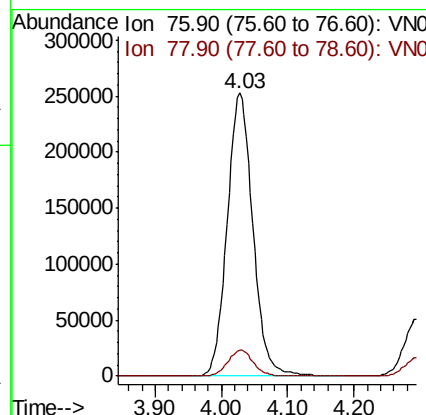
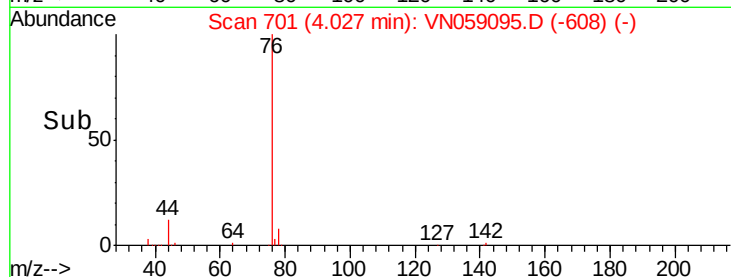
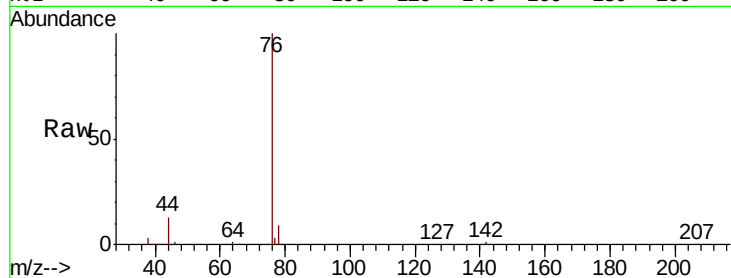
#17
Carbon Disulfide
Concen: 46.723 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

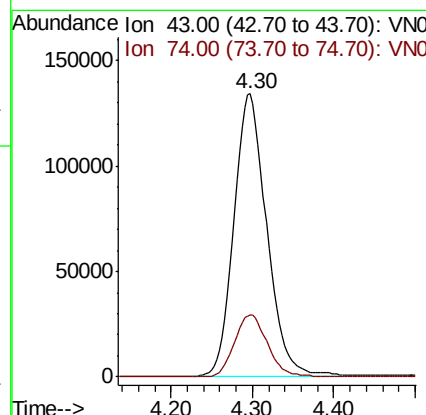
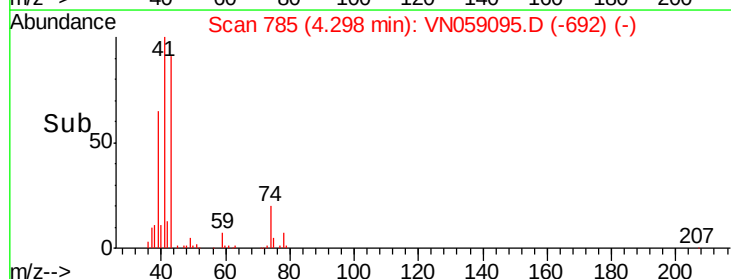
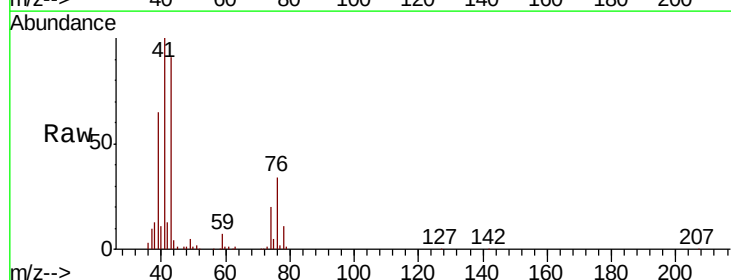
Manual Integrations
APPROVED

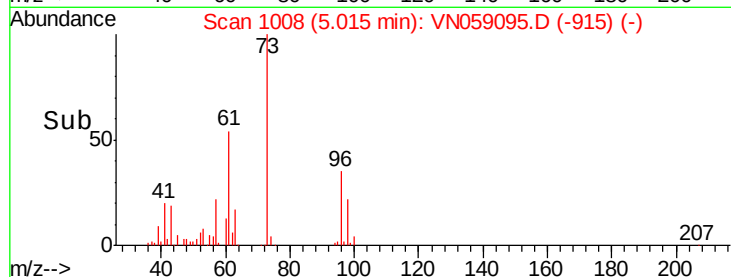
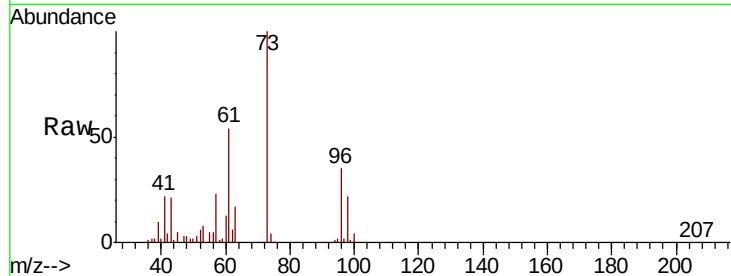
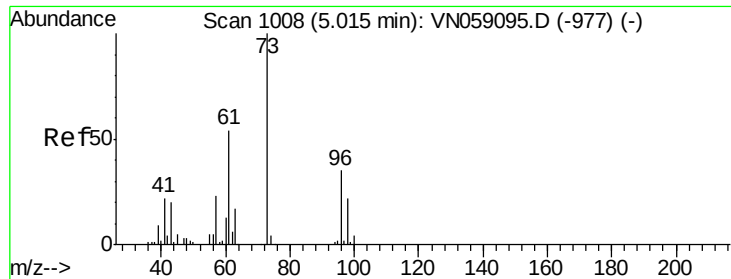
MMDadoda
11/7/2019 9:16:11 AM



#18
Methyl Acetate
Concen: 49.279 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.8	26.8





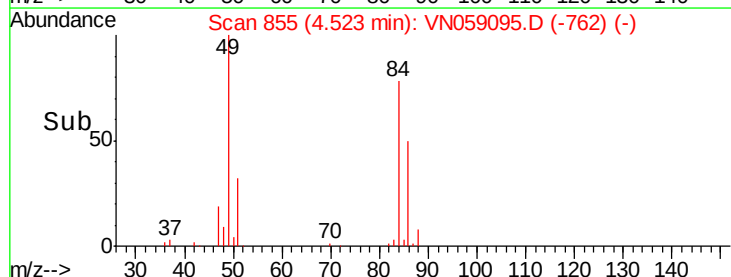
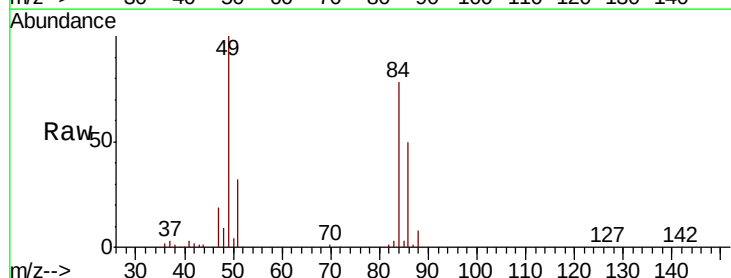
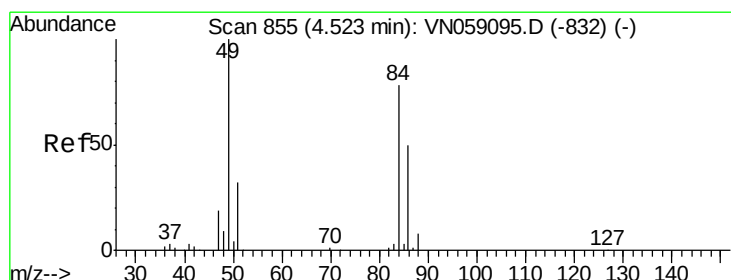
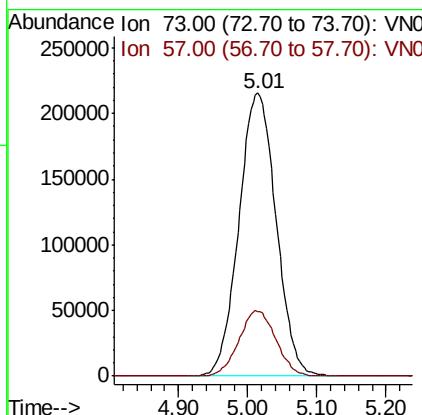
#19
Methyl tert-butyl Ether
Concen: 49.896 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tot Ion: 73 Resp: 804261
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

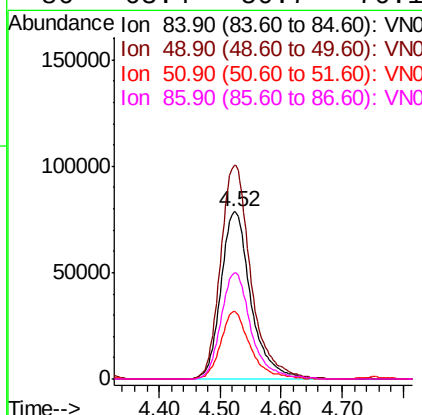
Manual Integrations
APPROVED

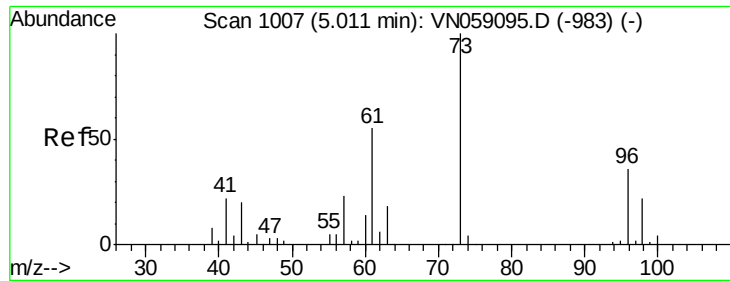
MMDadoda
11/7/2019 9:16:11 AM



#20
Methylene Chloride
Concen: 48.002 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion: 84 Resp: 268292
Ion Ratio Lower Upper
84 100
49 127.5 102.0 153.0
51 40.2 32.2 48.2
86 63.4 50.7 76.1





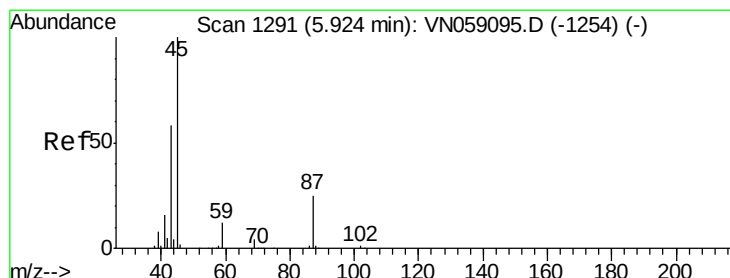
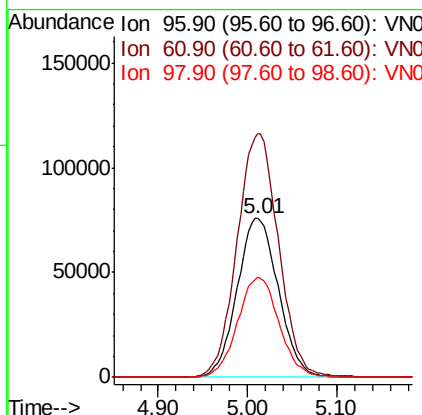
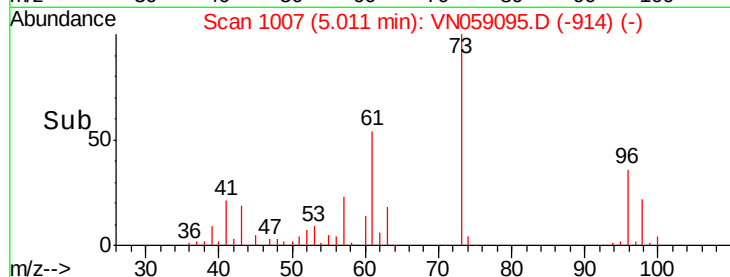
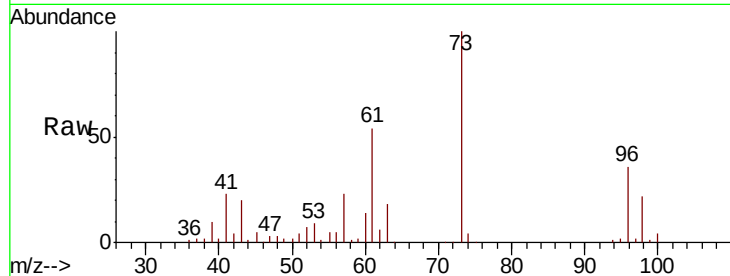
#21
trans-1,2-Dichloroethene
Concen: 48.698 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.2	122.6	183.8
98	62.9	50.3	75.5

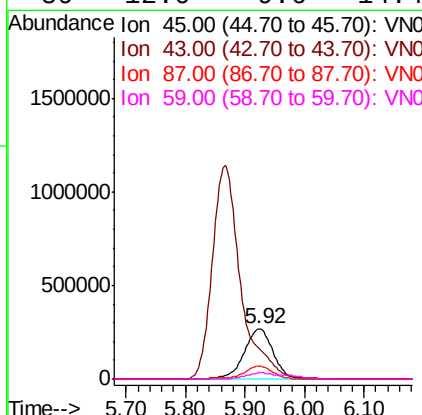
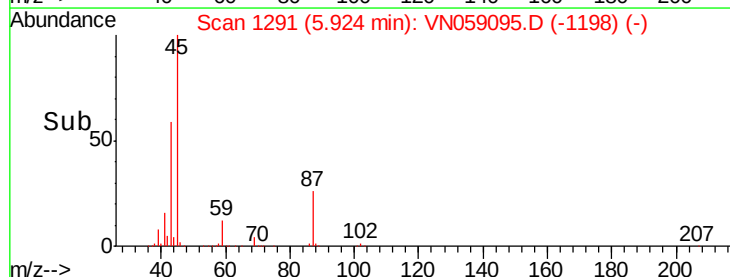
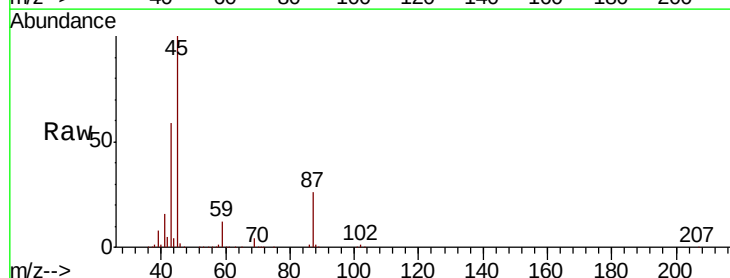
Manual Integrations
APPROVED

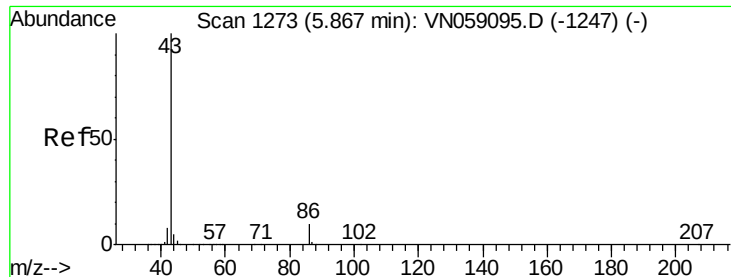
MMDadoda
11/7/2019 9:16:11 AM



#22
Diisopropyl ether
Concen: 50.055 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.4	46.7	70.1
87	25.6	20.5	30.7
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 268.449 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3779296

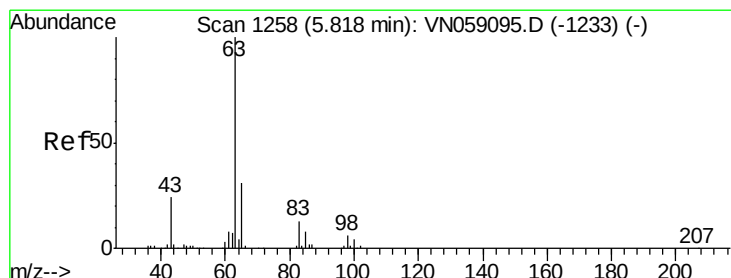
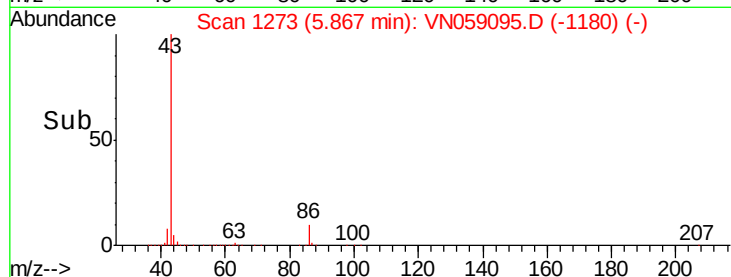
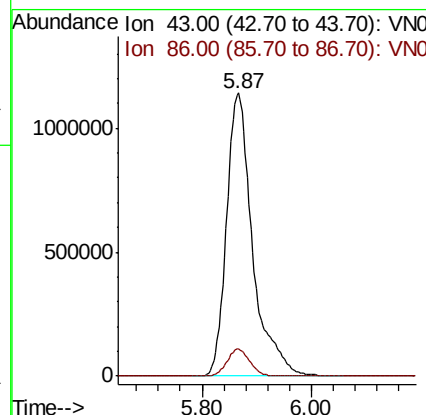
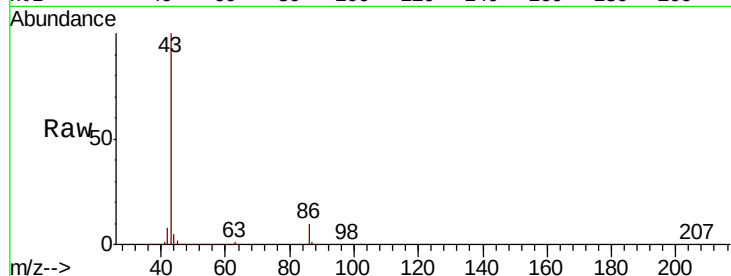
Ion Ratio Lower Upper

43 100

86 9.6 7.7 11.5

Manual Integrations
APPROVED

MMDadoda
11/7/2019 9:16:11 AM



#24

1,1-Dichloroethane

Concen: 48.952 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

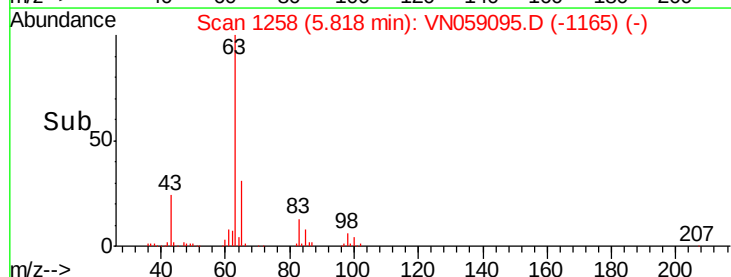
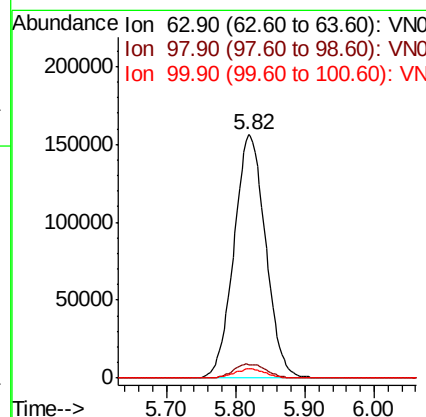
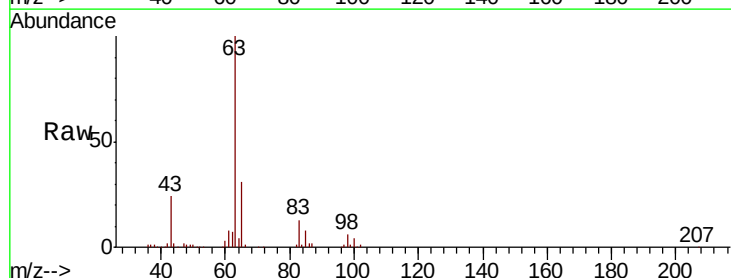
Tgt Ion: 63 Resp: 496647

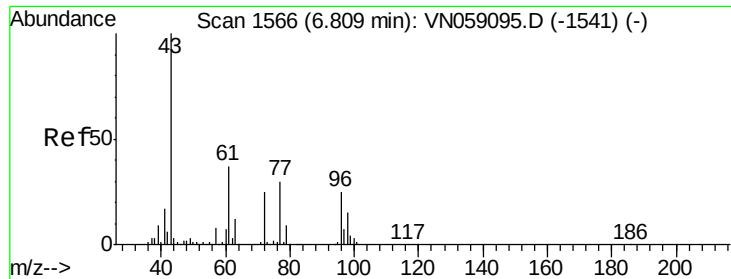
Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 259.252 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1096182

Ion Ratio Lower Upper

43 100

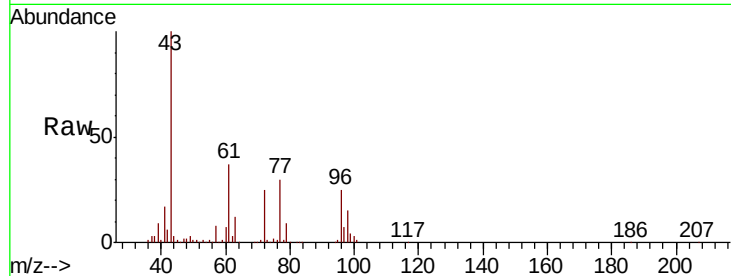
72 25.4 20.3 30.5

Manual Integrations

APPROVED

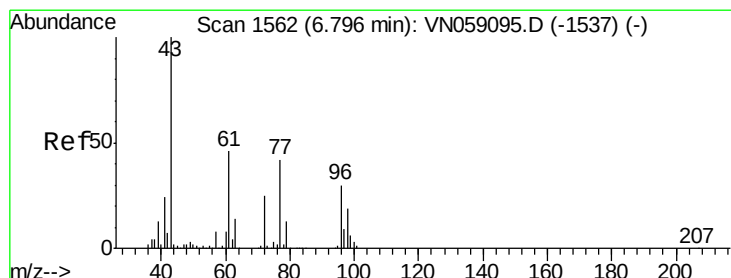
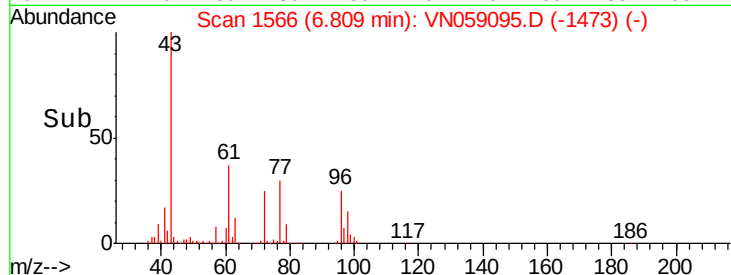
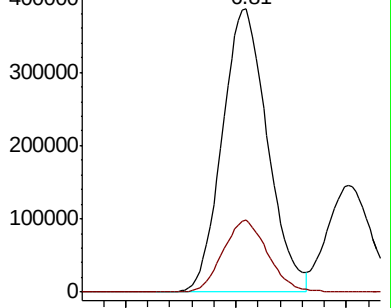
MMDadoda

11/7/2019 9:16:11 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 47.476 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059095.D

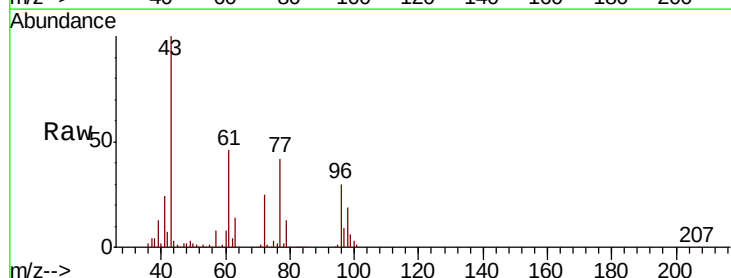
Acq: 6 Nov 2019 10:01

Tgt Ion: 77 Resp: 421181

Ion Ratio Lower Upper

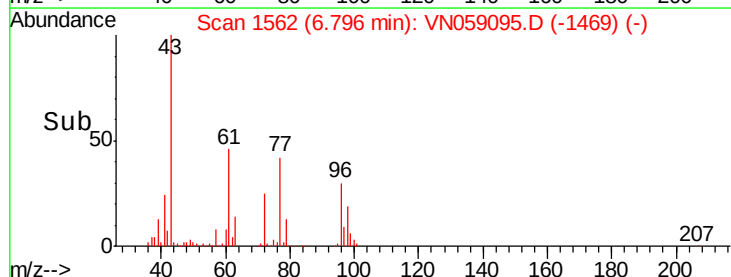
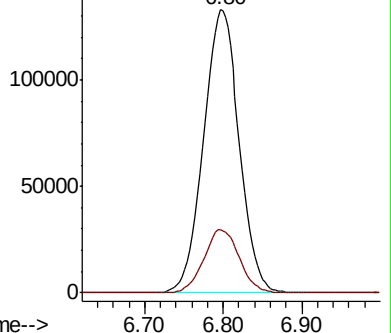
77 100

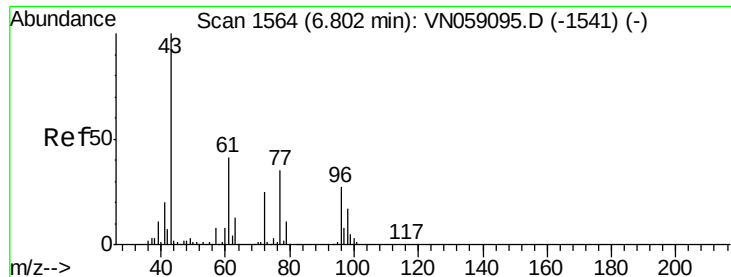
97 22.4 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 49.214 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

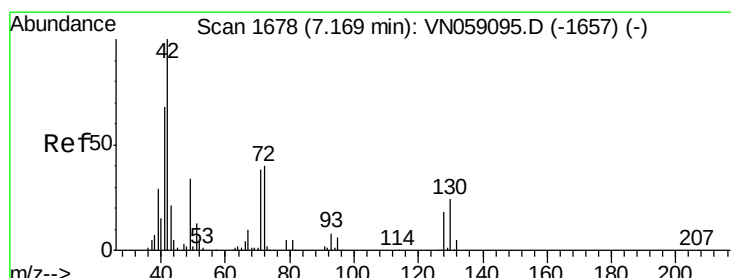
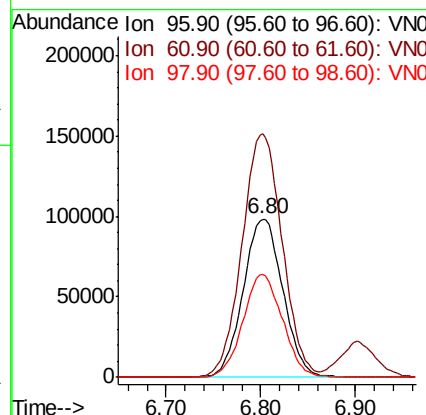
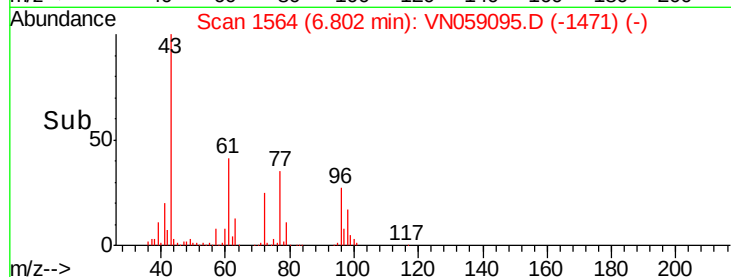
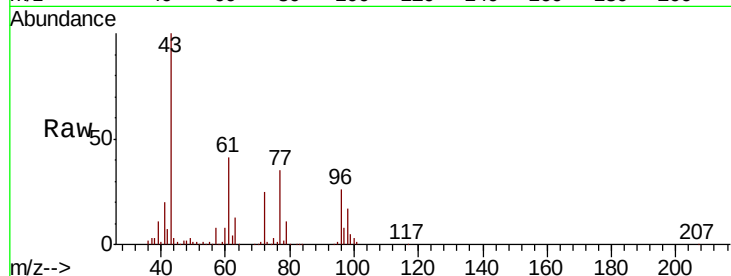
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	286934
Ion	Ratio	Lower	Upper
96	100		
61	155.8	0.0	311.6
98	64.9	0.0	129.8

Manual Integrations
APPROVED

MMDadoda
11/7/2019 9:16:11 AM



#28

Bromochloromethane

Concen: 47.952 ug/l

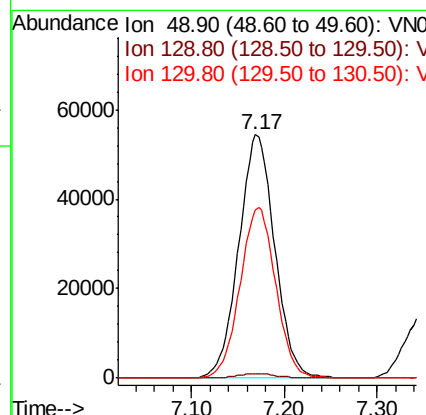
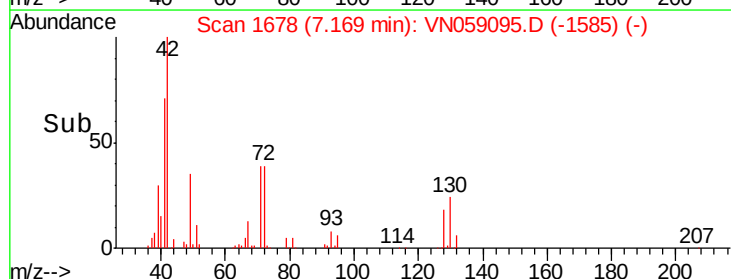
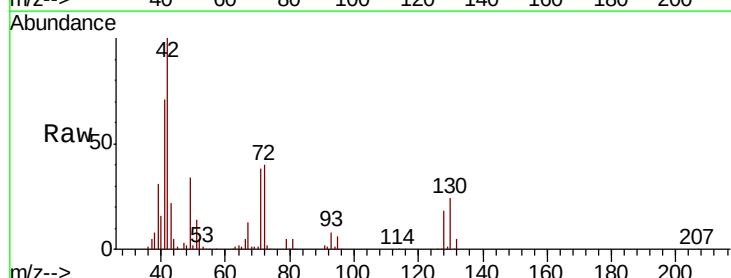
RT: 7.17 min Scan# 1678

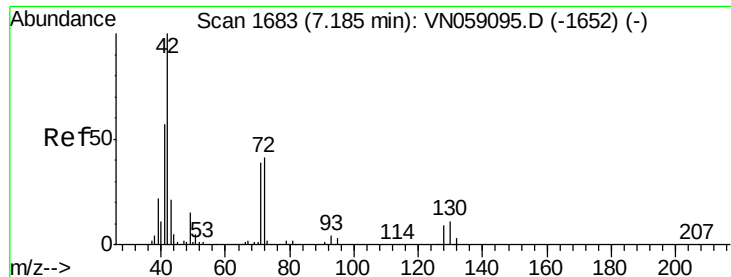
Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Tgt Ion:	49	Resp:	146369
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	69.5	55.6	83.4





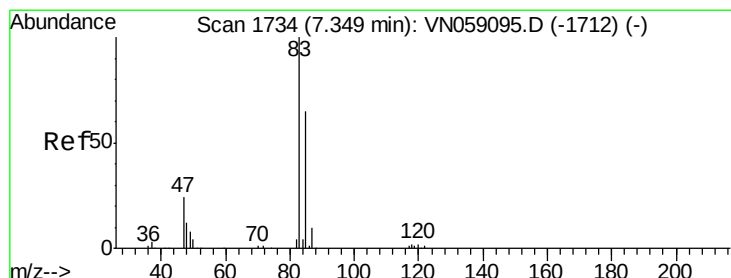
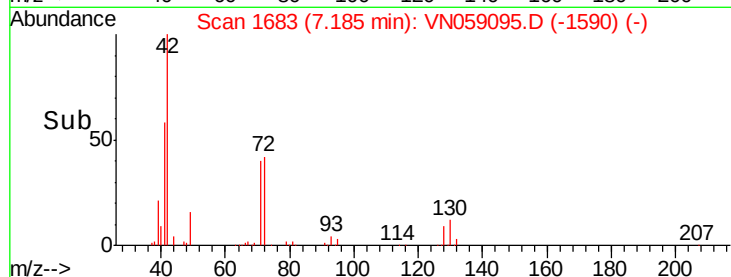
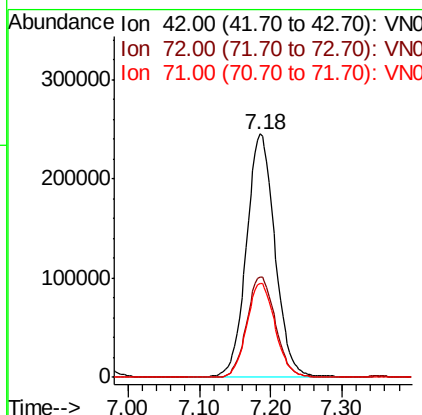
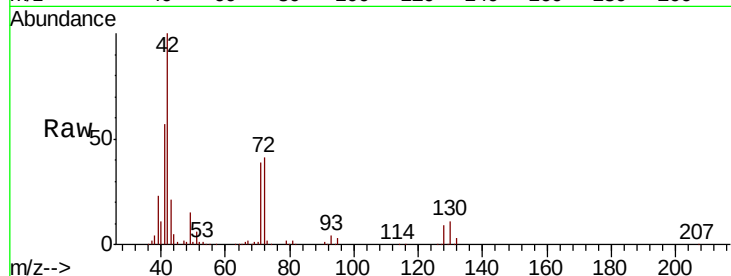
#29
Tetrahydrofuran
Concen: 253.551 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.1	49.7
71	38.6	30.9	46.3

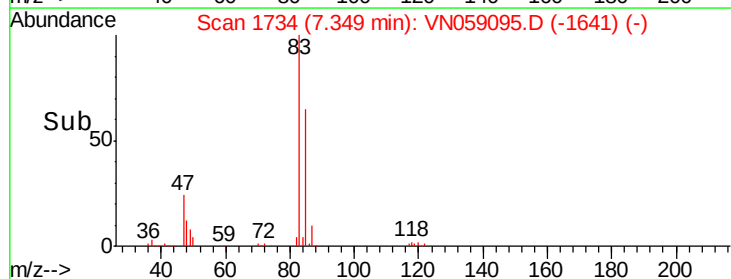
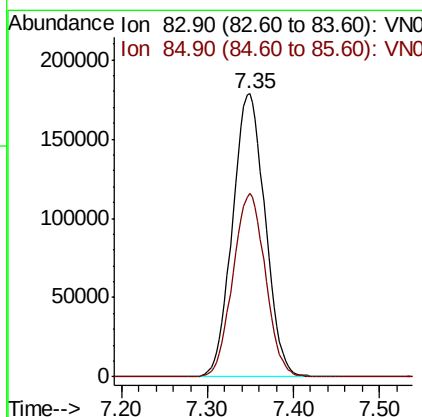
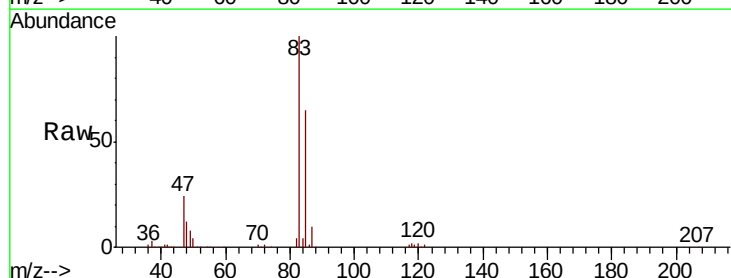
Manual Integrations
APPROVED

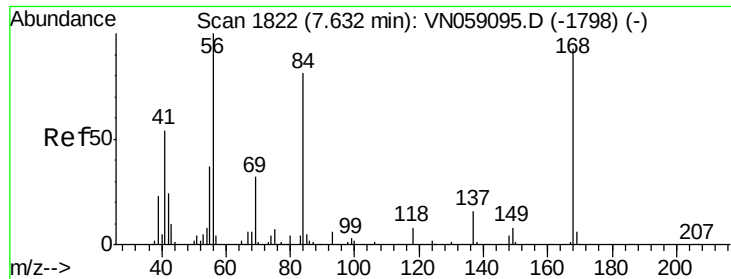
MMDadoda
11/7/2019 9:16:11 AM



#30
Chloroform
Concen: 48.375 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8





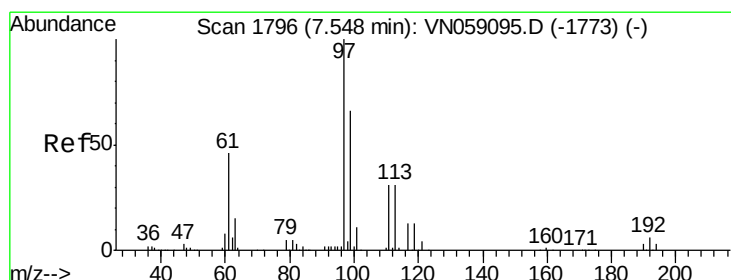
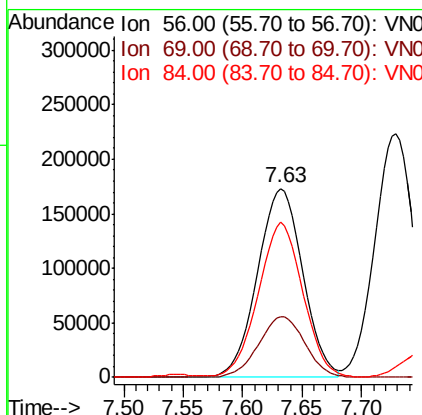
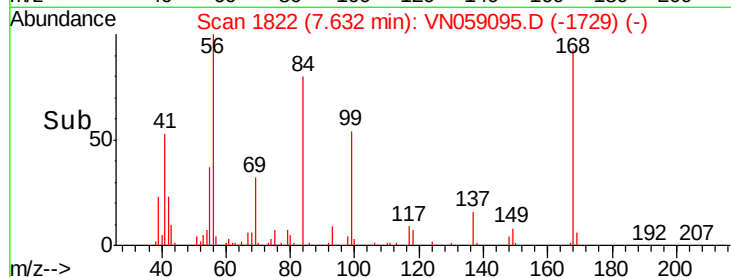
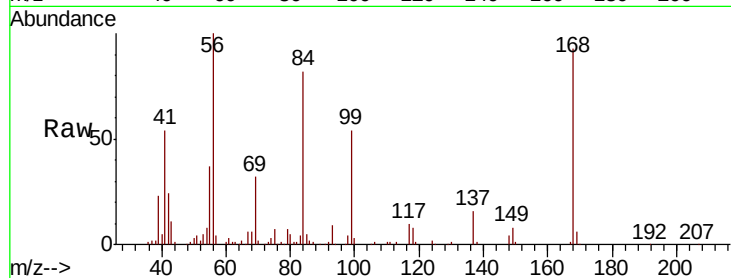
#31
Cyclohexane
Concen: 47.594 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.8	38.8
84	81.2	65.0	97.4

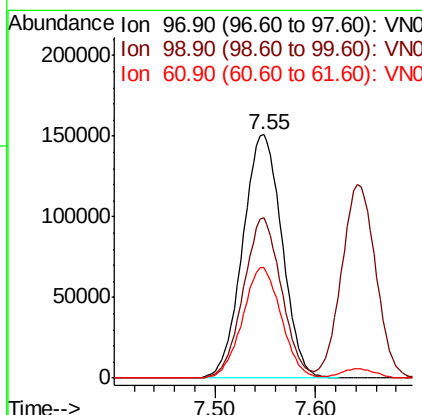
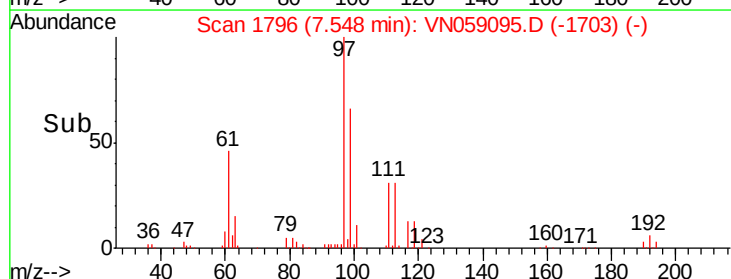
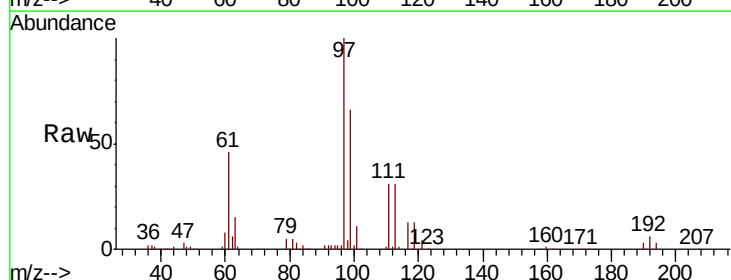
Manual Integrations
APPROVED

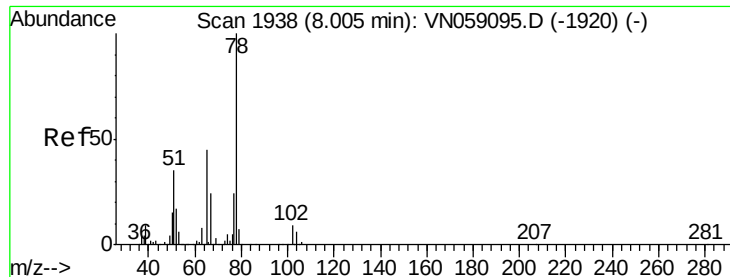
MMDadoda
11/7/2019 9:16:11 AM



#32
1,1,1-Trichloroethane
Concen: 49.779 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	44.8	35.8	53.8





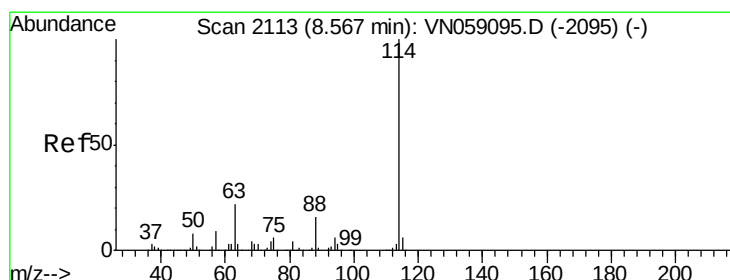
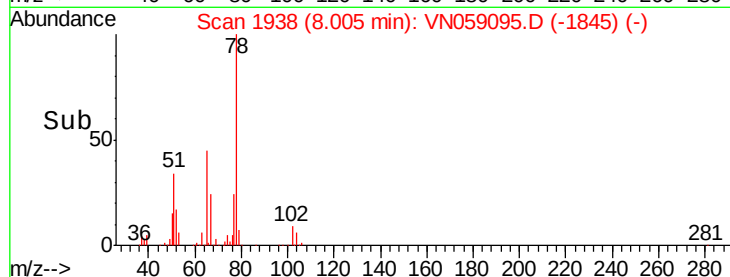
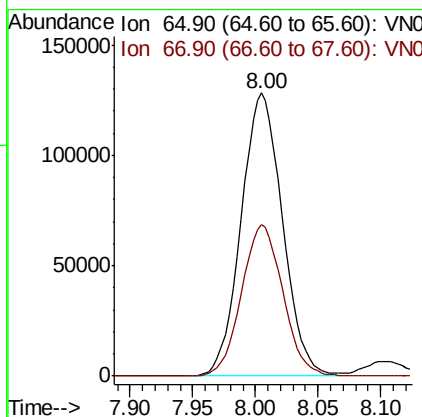
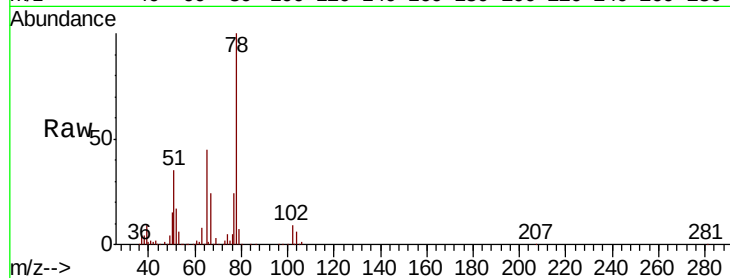
#33
 1,2-Dichloroethane-d4
 Concen: 47.679 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	294155		
67	53.7	0.0	107.4	

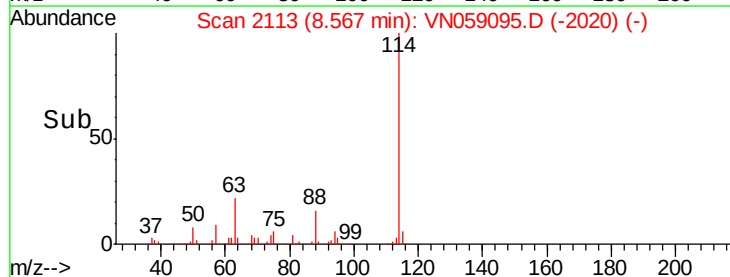
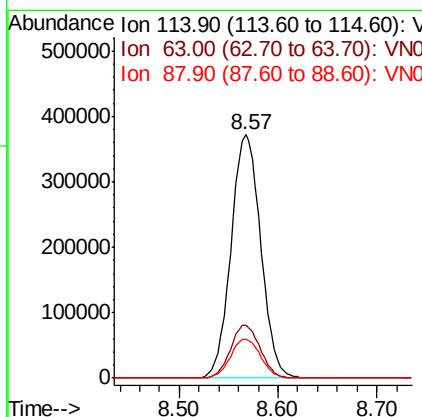
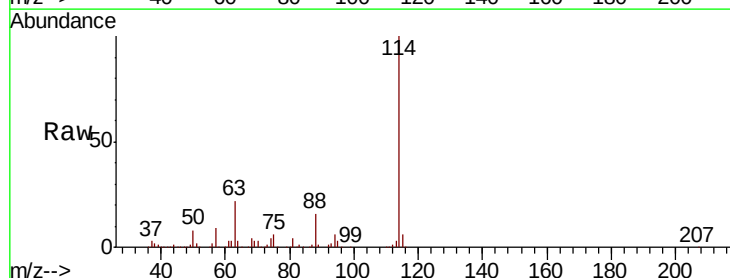
Manual Integrations
 APPROVED

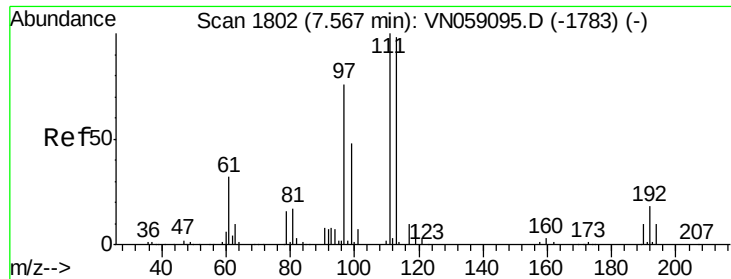
MMDadoda
 11/7/2019 9:16:11 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	780819		
63	21.7	0.0	43.4	
88	16.1	0.0	32.2	





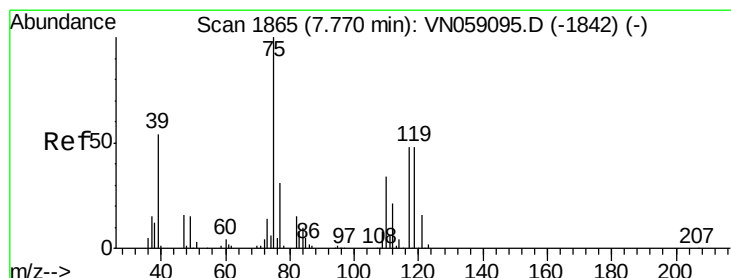
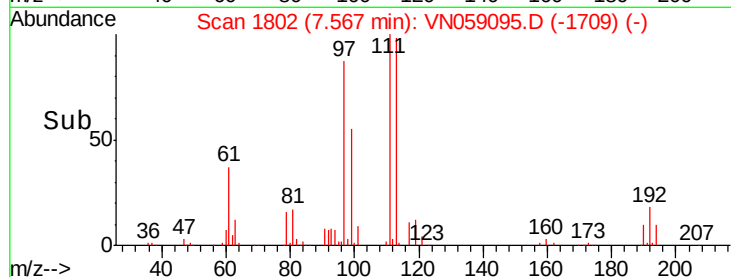
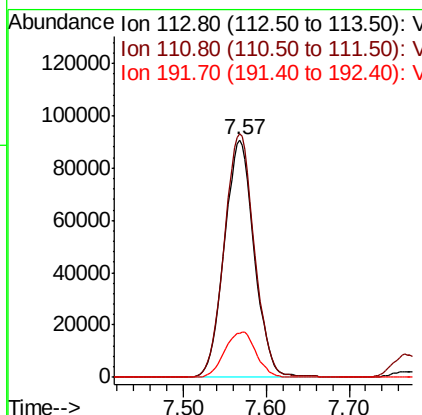
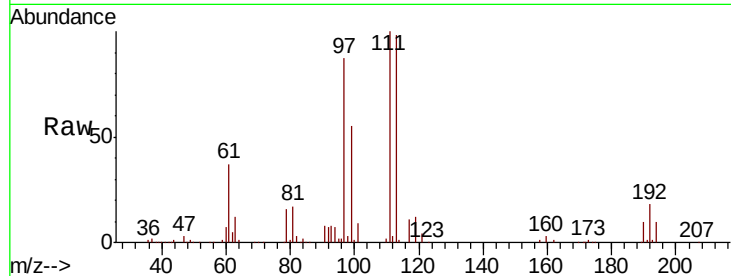
#35
 Dibromofluoromethane
 Concen: 48.682 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	226969		
111	103.5	82.8	124.2	
192	20.1	16.1	24.1	

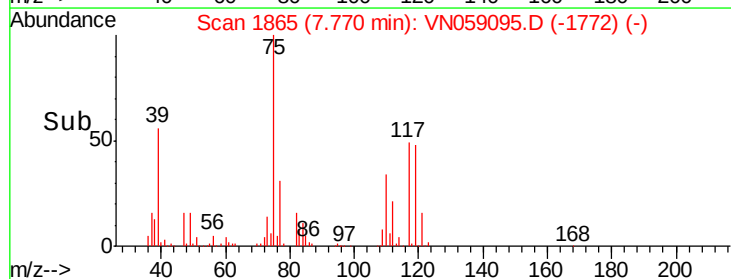
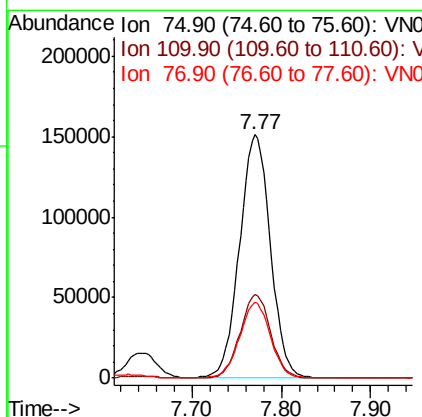
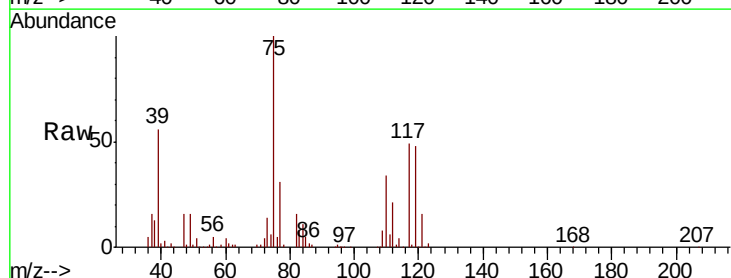
Manual Integrations
 APPROVED

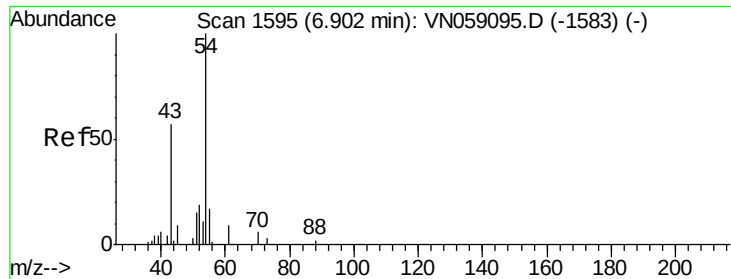
MMDadoda
 11/7/2019 9:16:11 AM



#36
 1,1-Dichloropropene
 Concen: 49.569 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	361775		
110	34.1	17.1	51.2	
77	31.0	24.8	37.2	





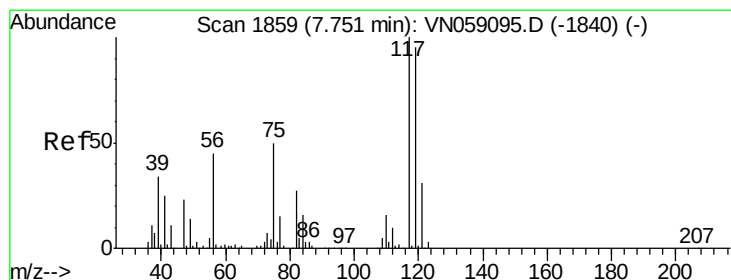
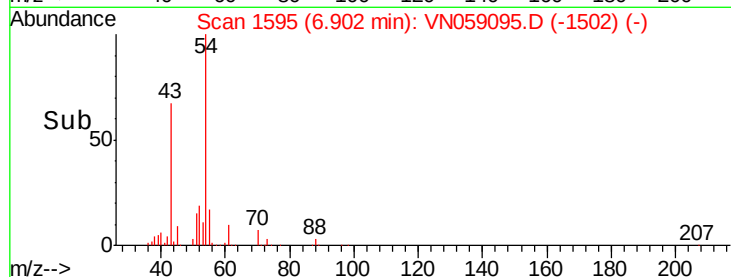
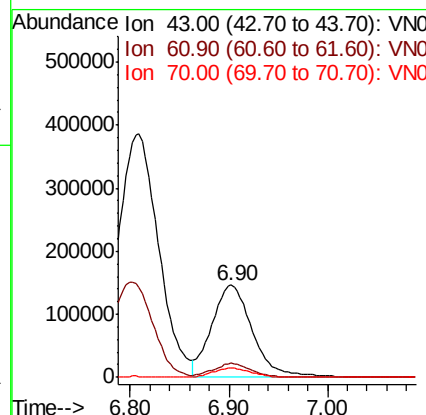
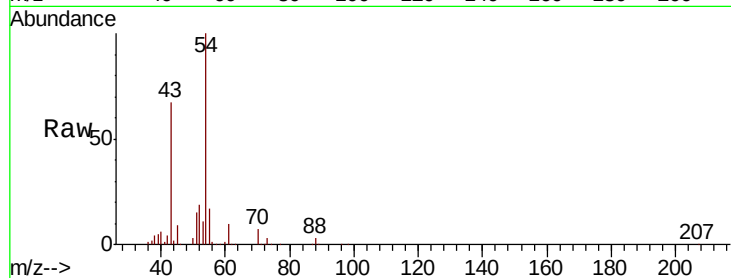
#37
Ethyl Acetate
Concen: 50.936 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	413563
Ion Ratio	100	Lower	Upper
43	100		
61	14.0	11.2	16.8
70	9.8	7.8	11.8

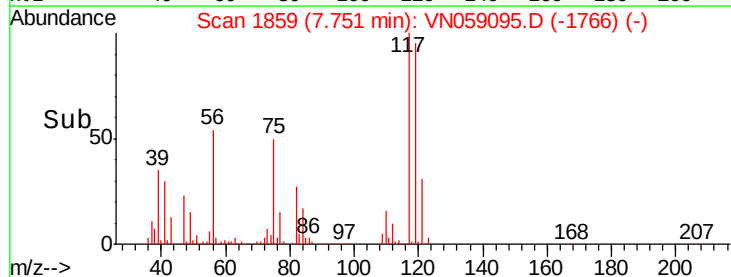
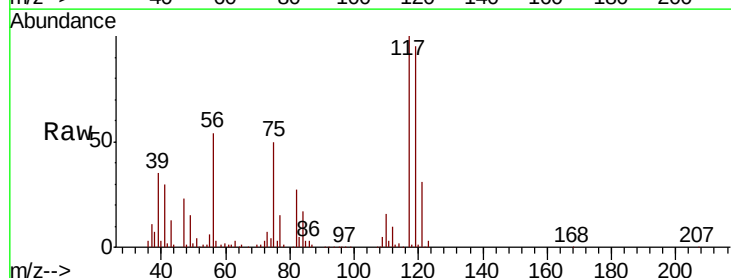
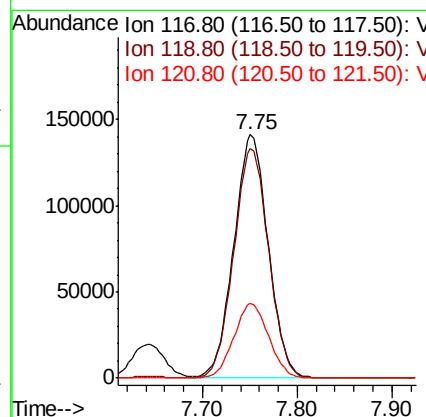
Manual Integrations
APPROVED

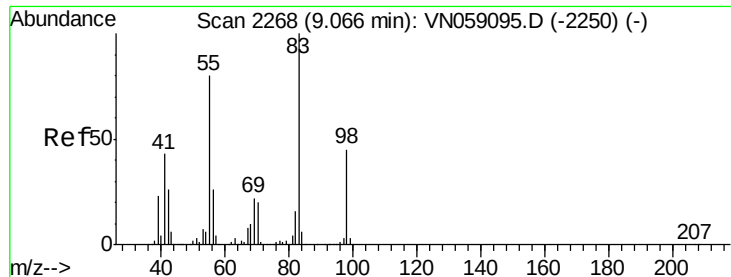
MMDadoda
11/7/2019 9:16:11 AM



#38
Carbon Tetrachloride
Concen: 49.169 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion	117	Resp	357171
Ion Ratio	100	Lower	Upper
117	100		
119	94.5	75.6	113.4
121	30.7	24.6	36.8





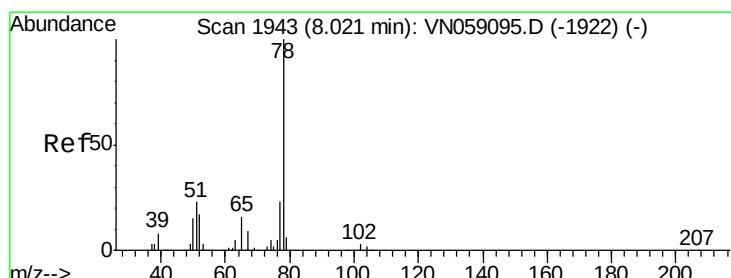
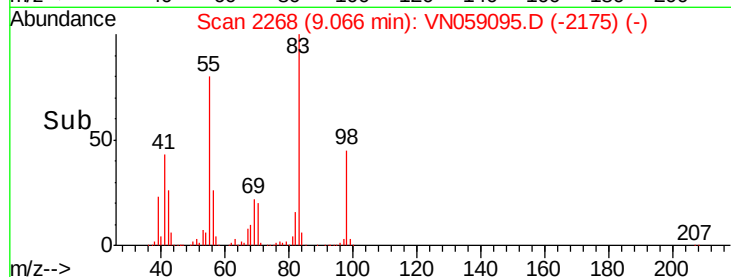
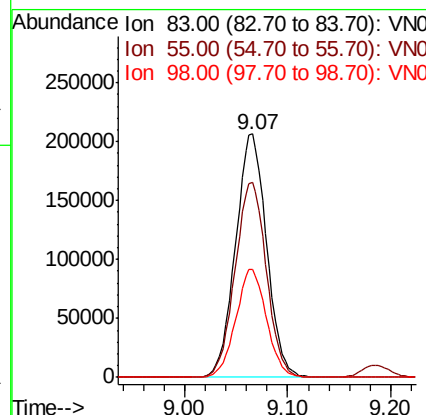
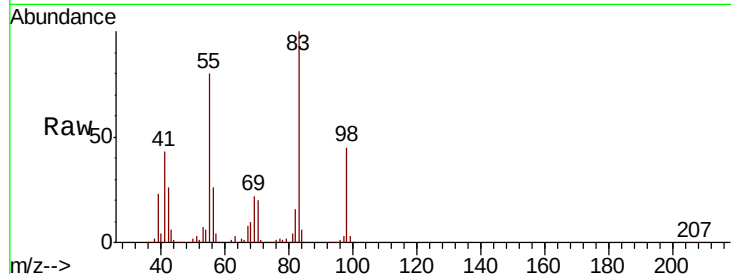
#39
Methylvlcyclohexane
Concen: 51.018 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	63.9	95.9
98	44.5	35.6	53.4

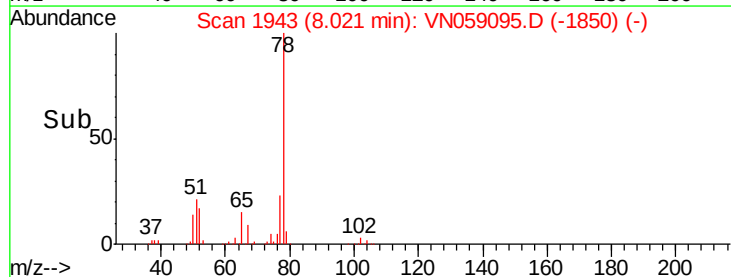
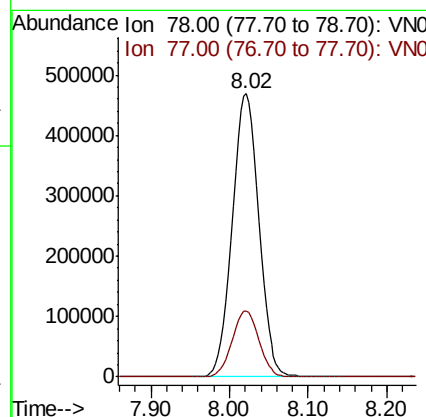
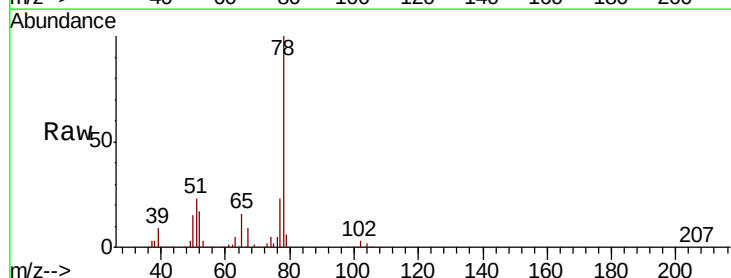
Manual Integrations
APPROVED

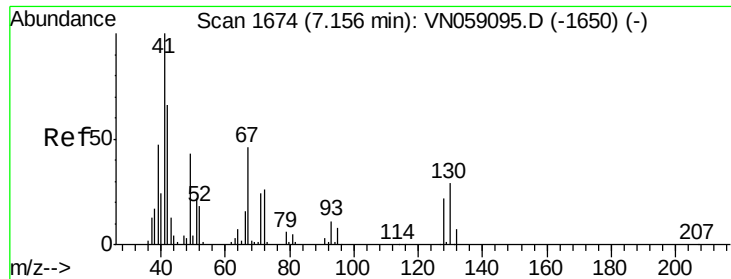
MMDadoda
11/7/2019 9:16:11 AM



#40
Benzene
Concen: 49.912 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





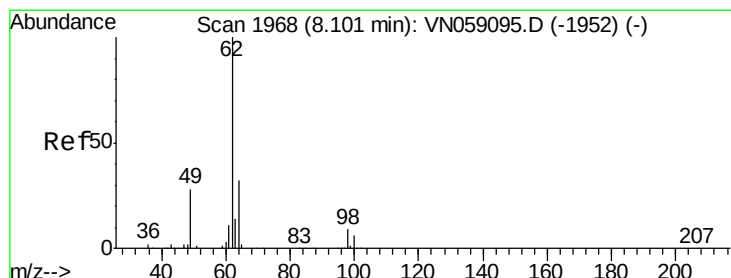
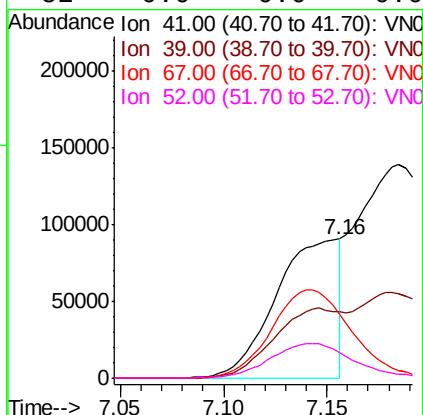
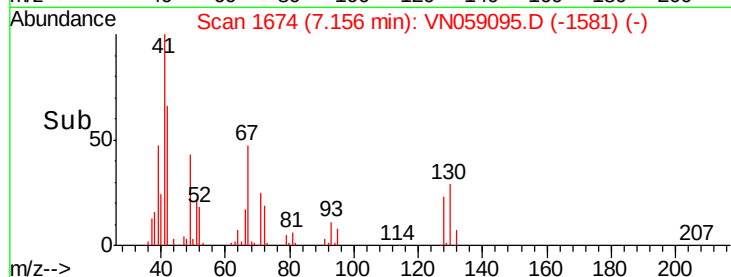
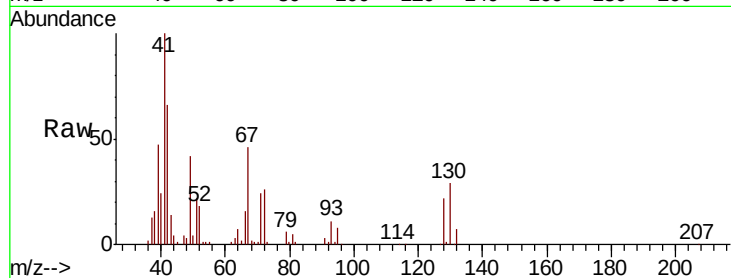
#41
Methacrylonitrile
Concen: 55.074 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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

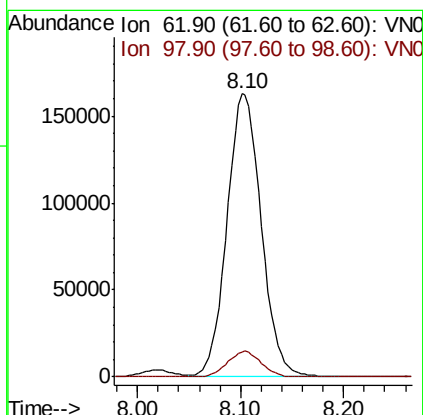
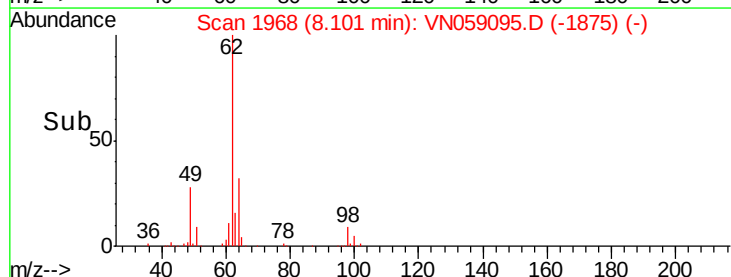
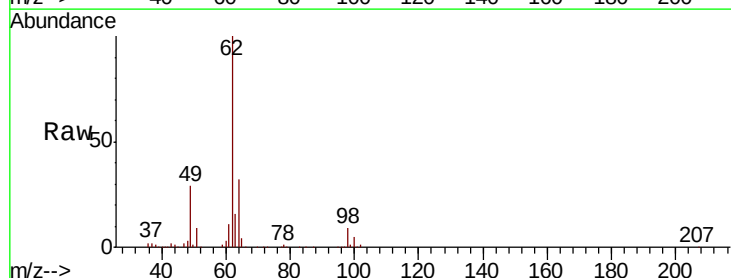
Manual Integrations
APPROVED

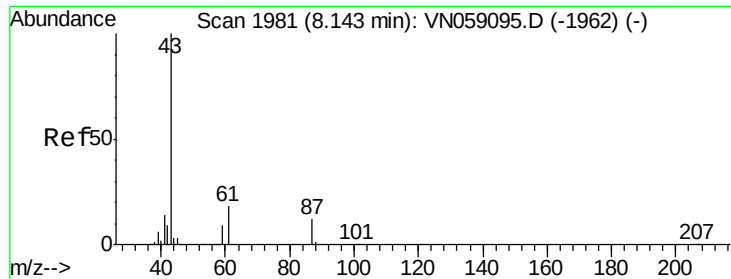
MMDadoda
11/7/2019 9:16:11 AM



#42
1,2-Dichloroethane
Concen: 49.725 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8





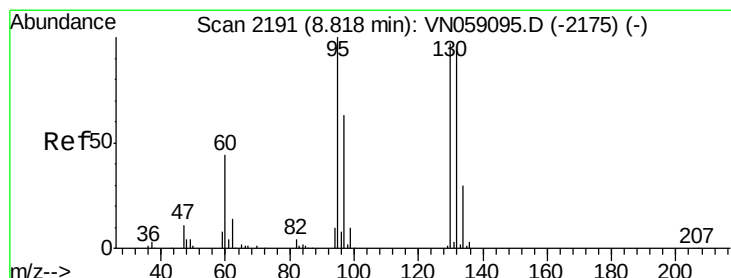
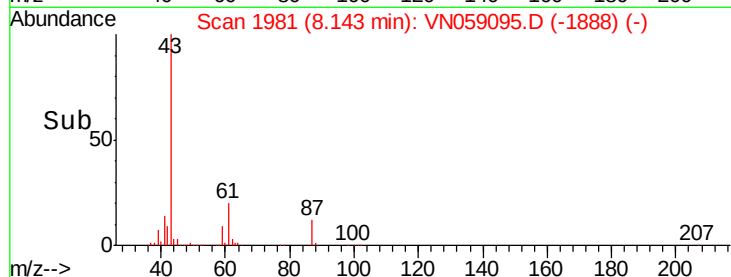
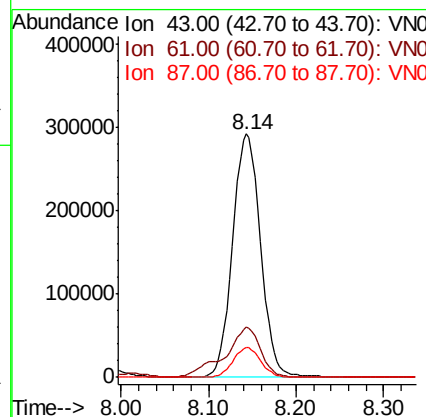
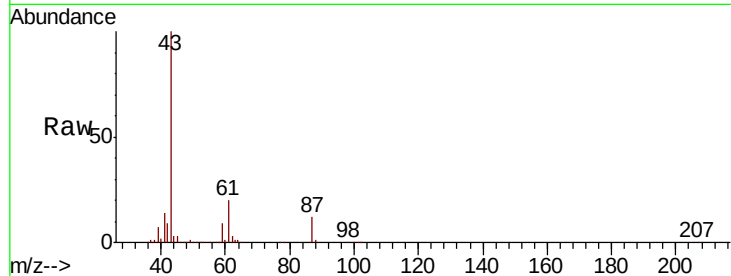
#43
Isopropyl Acetate
Concen: 50.018 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.3	21.0	31.6
87	12.2	9.8	14.6

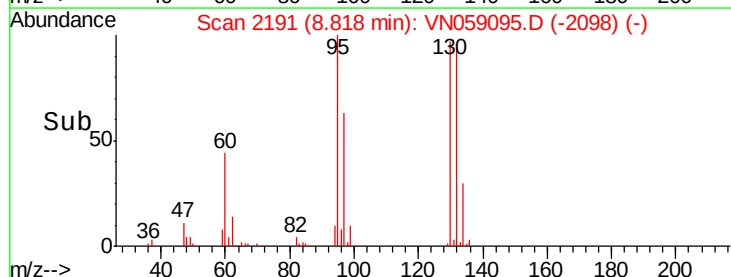
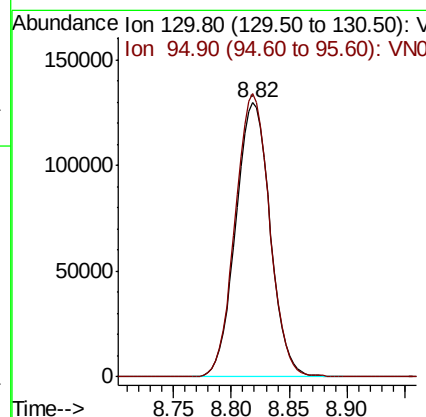
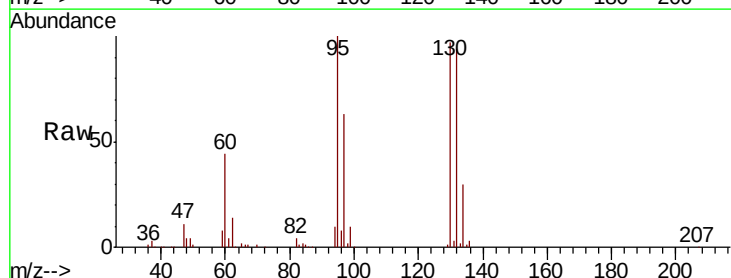
Manual Integrations
APPROVED

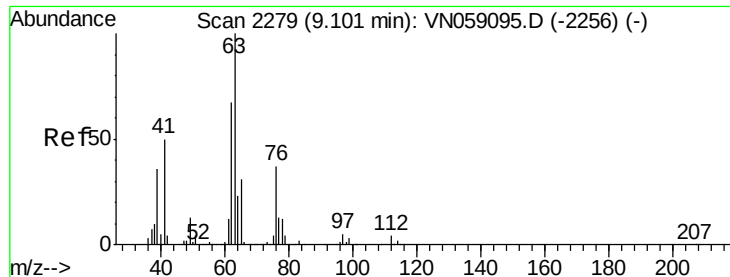
MMDadoda
11/7/2019 9:16:11 AM



#44
Trichloroethene
Concen: 49.676 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	206.4





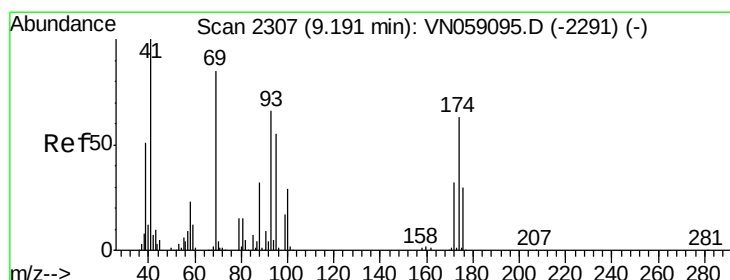
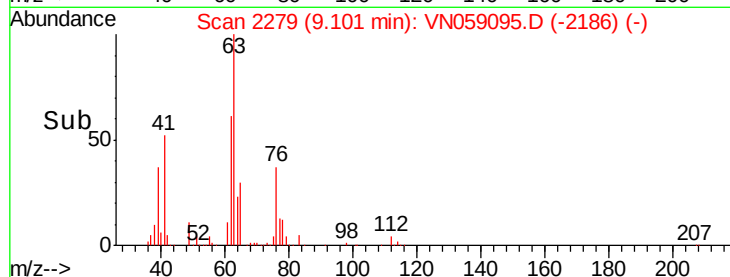
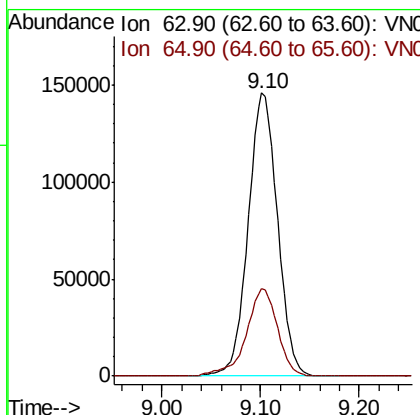
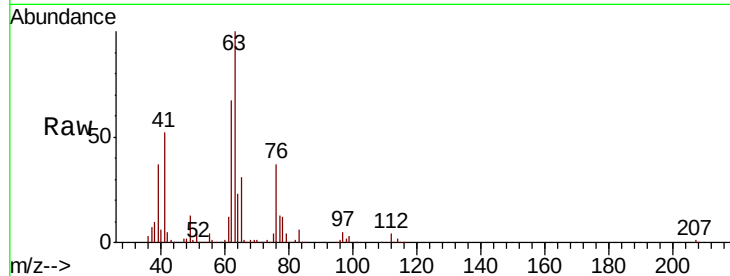
#45
 1,2-Dichloropropane
 Concen: 50.111 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 299141
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 37.0

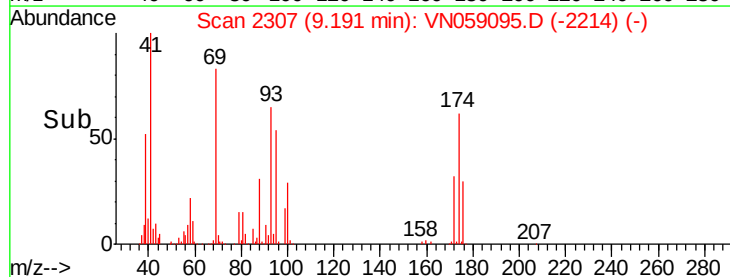
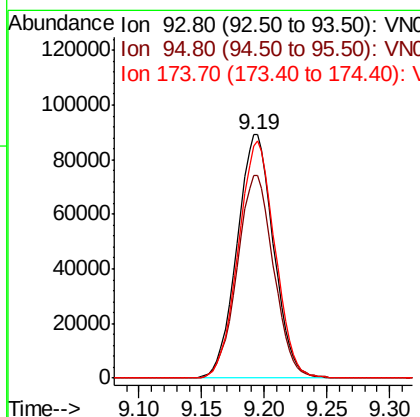
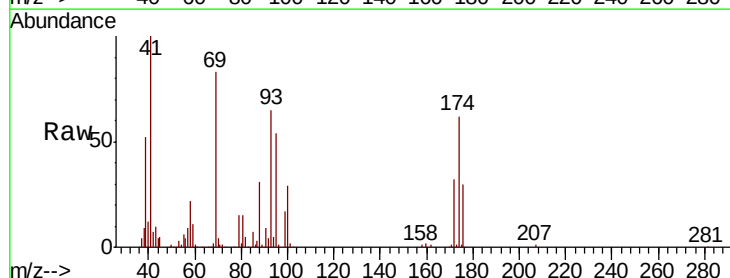
Manual Integrations
 APPROVED

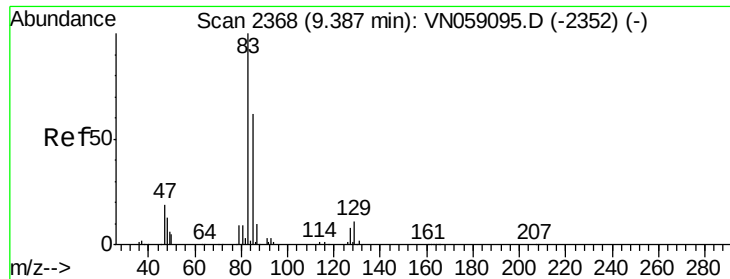
MMDadoda
 11/7/2019 9:16:11 AM



#46
 Dibromomethane
 Concen: 48.536 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion: 93 Resp: 180552
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 97.7 78.2 117.2





#47

Bromodichloromethane

Concen: 50.483 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

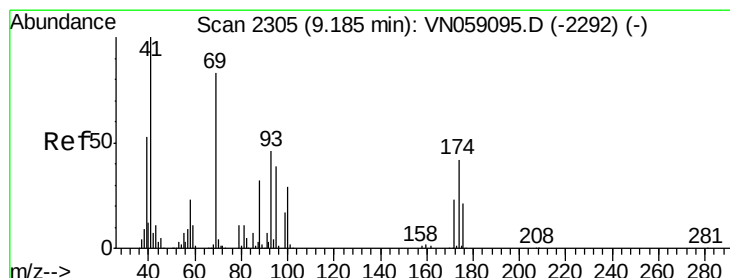
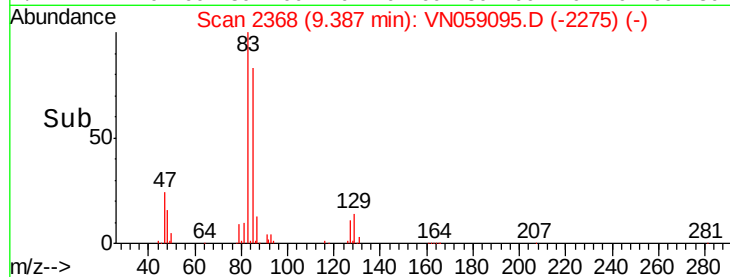
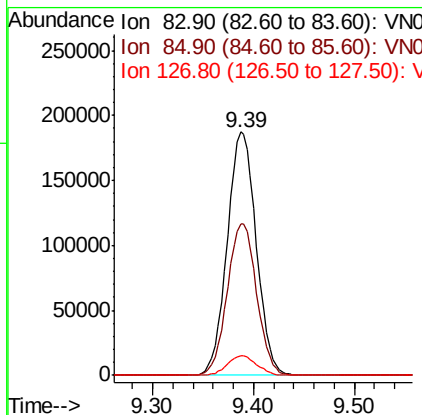
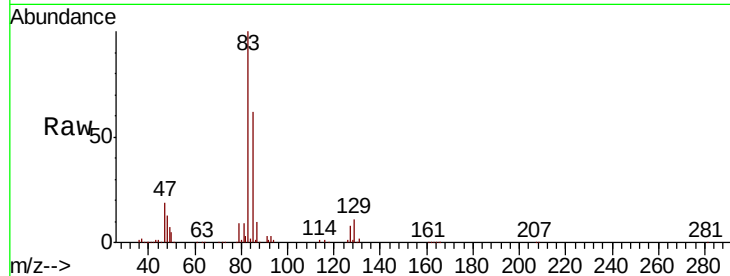
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	374995
Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.7	74.5
127	8.0	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
11/7/2019 9:16:11 AM



#48

Methyl methacrylate

Concen: 51.252 ug/l

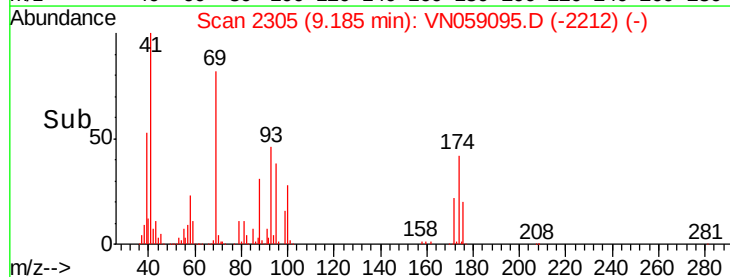
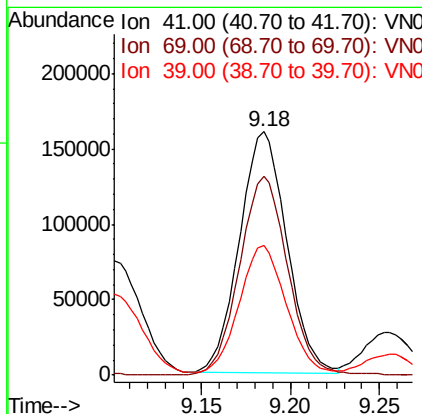
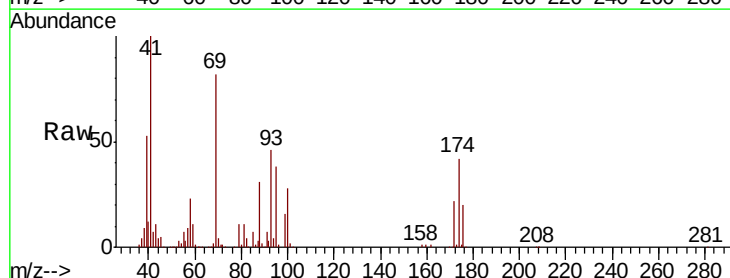
RT: 9.18 min Scan# 2305

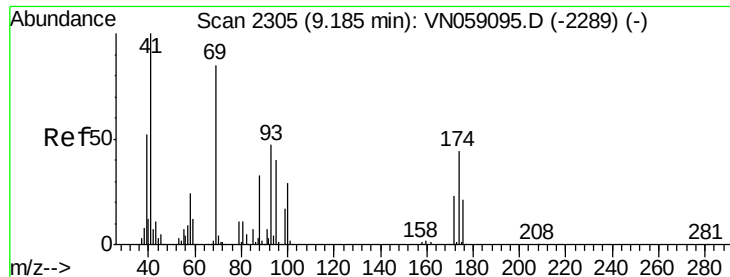
Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Tgt Ion:	41	Resp:	296739
Ion	Ratio	Lower	Upper
41	100		
69	84.1	67.3	100.9
39	54.1	43.3	64.9





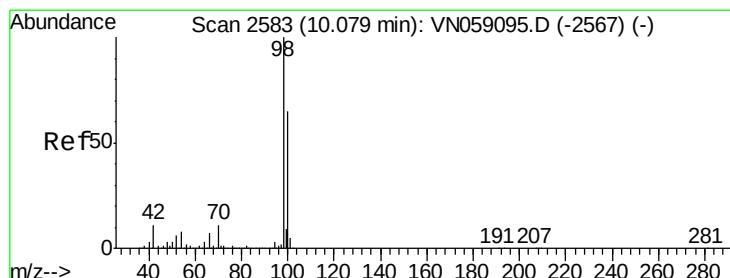
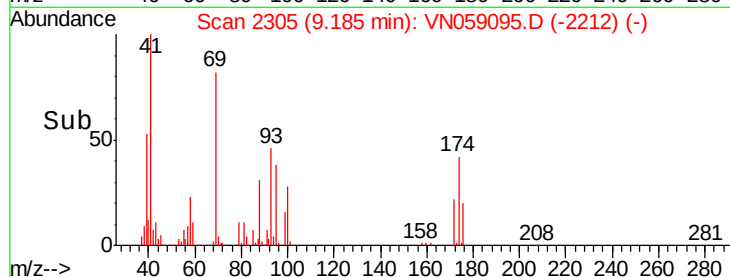
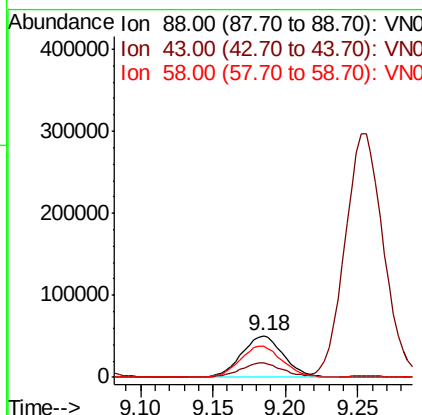
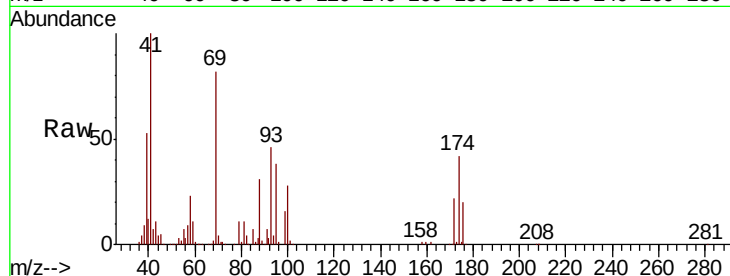
#49
1,4-Dioxane
Concen: 996.751 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.3	39.5
58	75.7	60.6	90.8

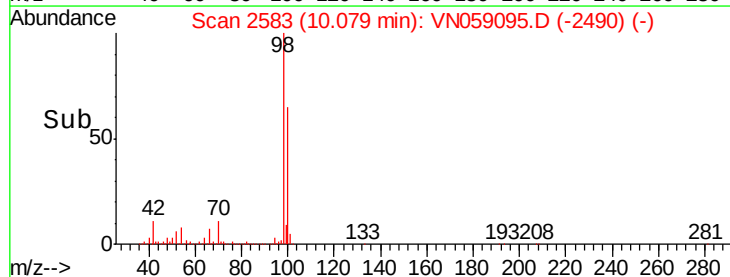
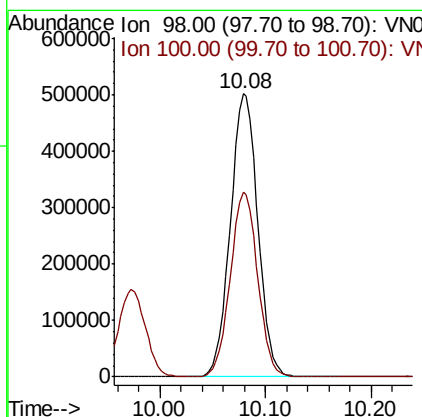
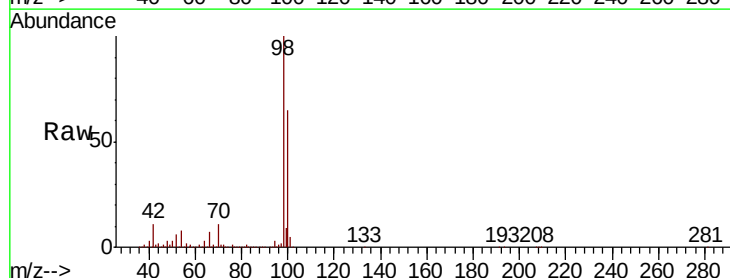
Manual Integrations
APPROVED

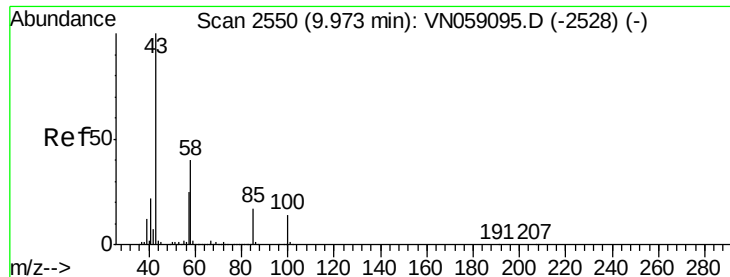
MMDadoda
11/7/2019 9:16:11 AM



#50
Toluene-d8
Concen: 49.141 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





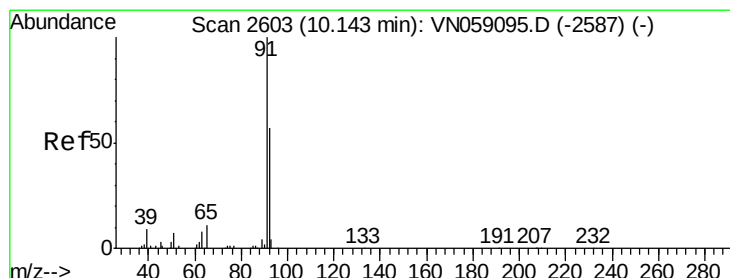
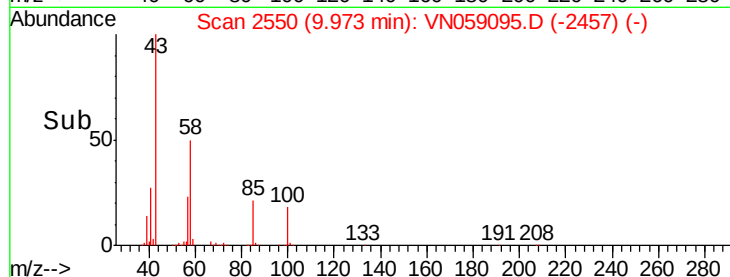
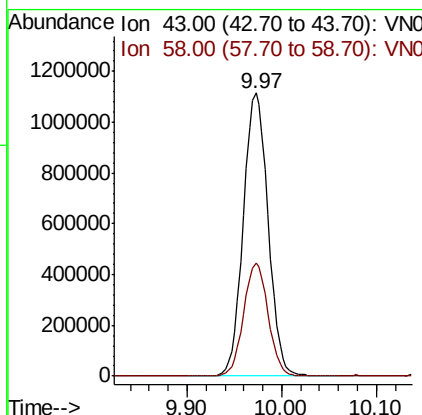
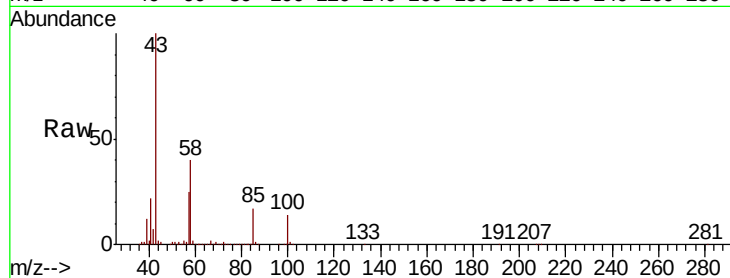
#51
4-Methyl-2-Pentanone
Concen: 277.538 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 2032714
Ion Ratio Lower Upper
43 100
58 39.4 31.5 47.3

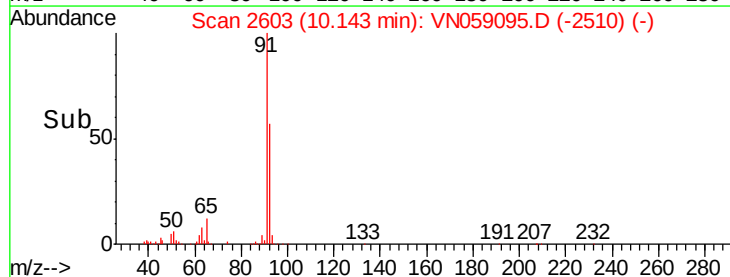
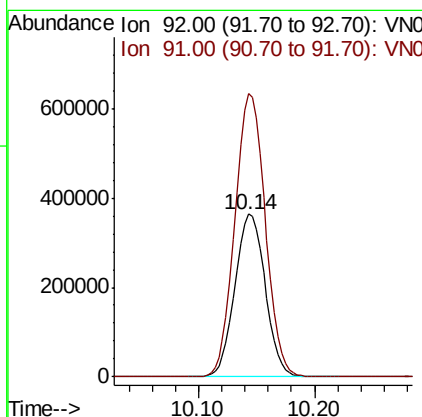
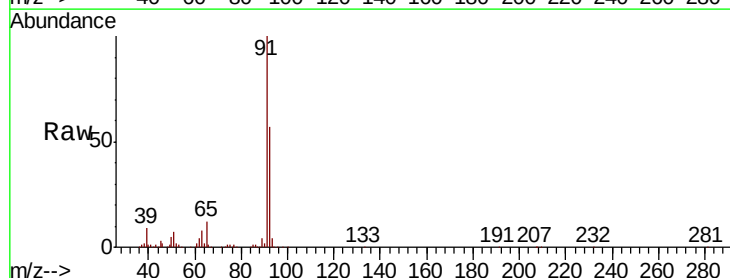
Manual Integrations
APPROVED

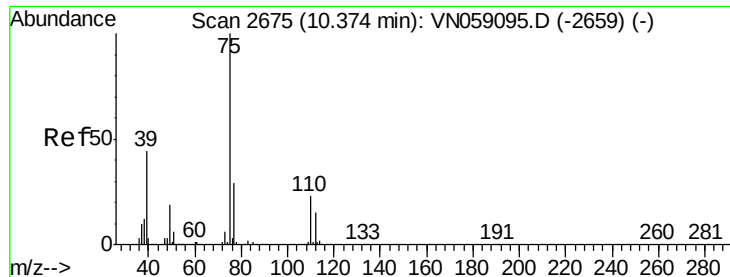
MMDadoda
11/7/2019 9:16:11 AM



#52
Toluene
Concen: 50.132 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion: 92 Resp: 660390
Ion Ratio Lower Upper
92 100
91 174.4 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 50.246 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 75 Resp: 431211

Ion Ratio Lower Upper

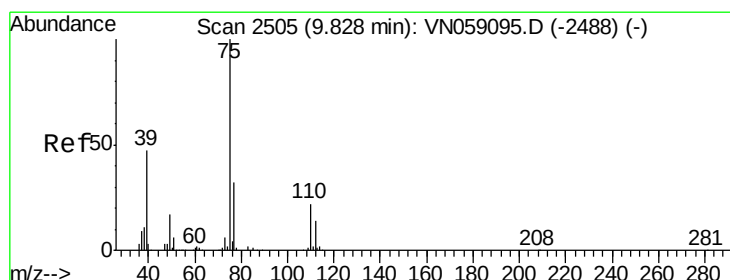
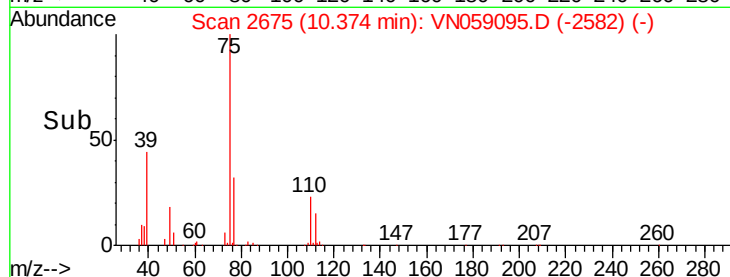
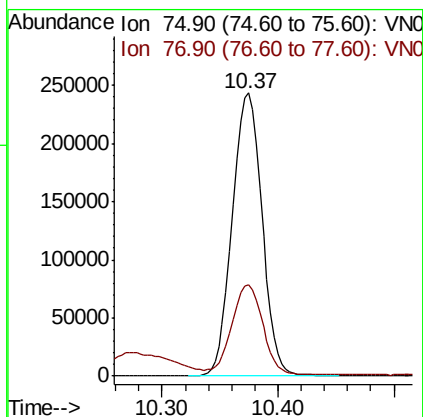
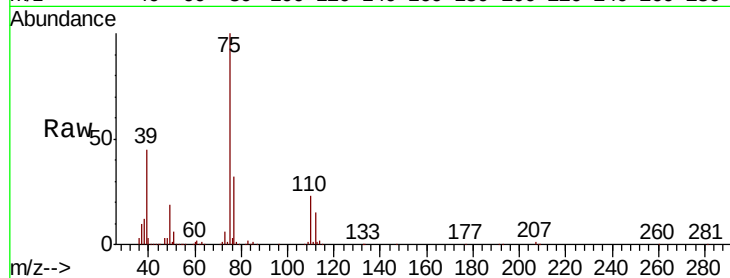
75 100

77 31.6 25.3 37.9

Manual Integrations
APPROVED

MMDadoda

11/7/2019 9:16:11 AM



#54

cis-1,3-Dichloropropene

Concen: 50.678 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

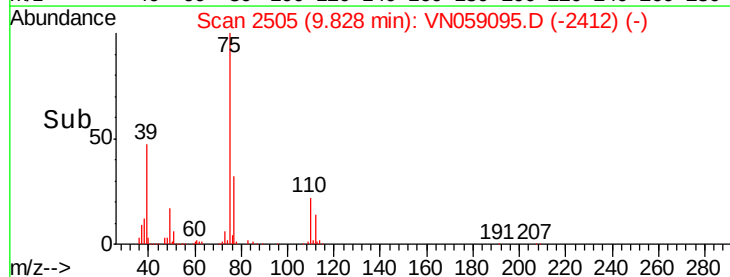
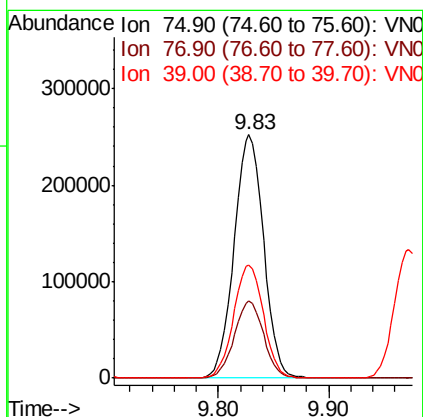
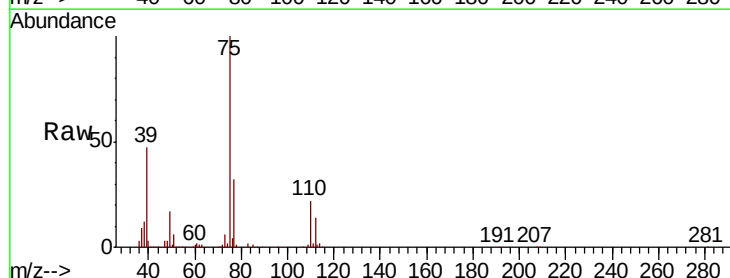
Tgt Ion: 75 Resp: 467832

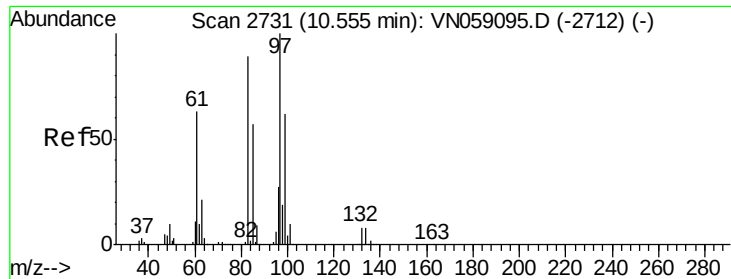
Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 46.6 37.3 55.9





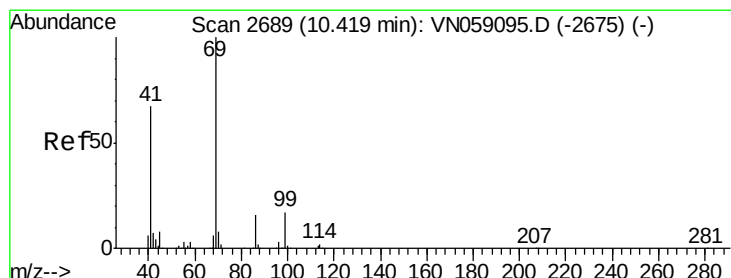
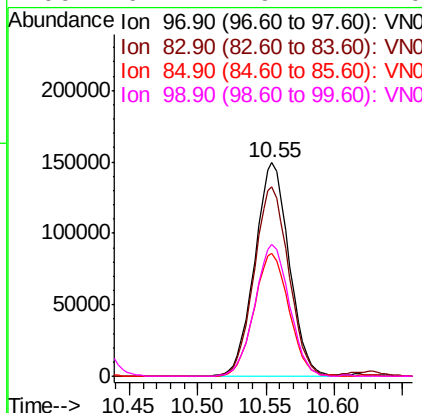
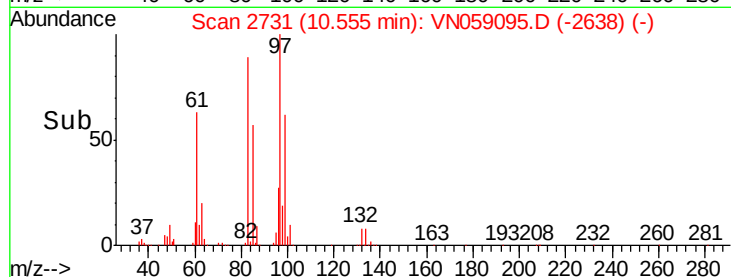
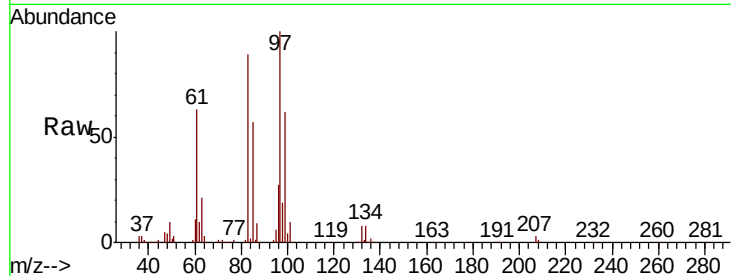
#55
 1,1,2-Trichloroethane
 Concen: 49.181 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		262193		
83	88.7	71.0	106.4		
85	57.3	45.8	68.8		
99	61.7	49.4	74.0		

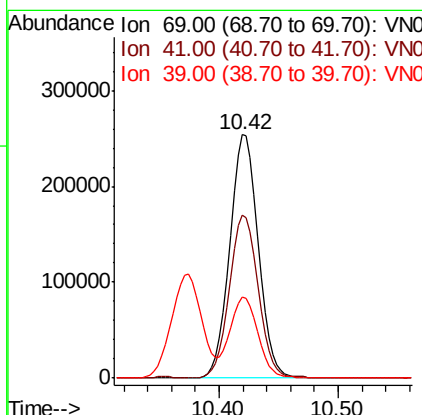
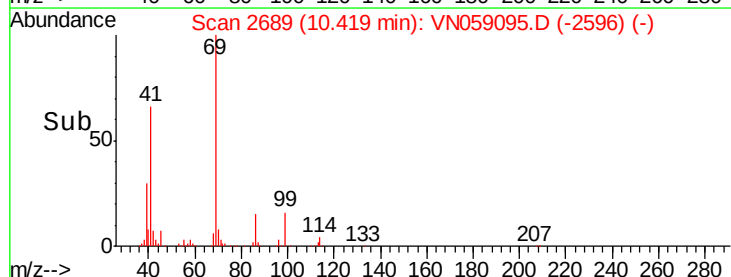
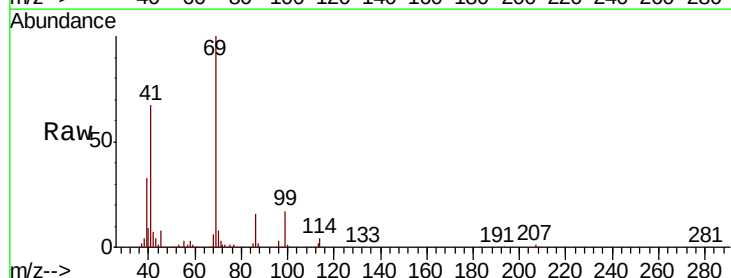
Manual Integrations
 APPROVED

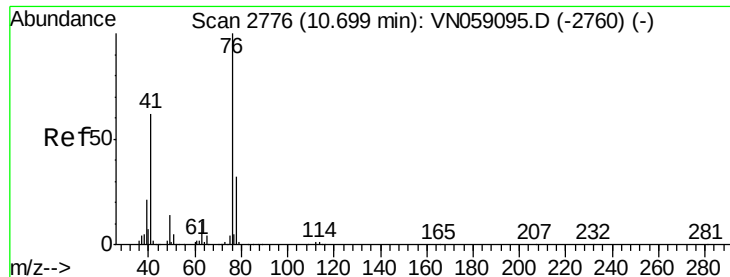
MMDadoda
 11/7/2019 9:16:11 AM



#56
 Ethyl methacrylate
 Concen: 47.654 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		422923		
41	67.0	53.6	80.4		
39	32.8	26.2	39.4		





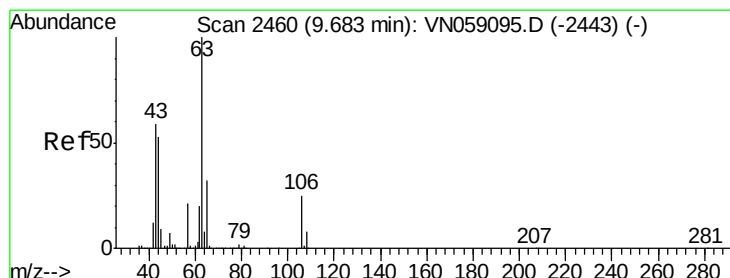
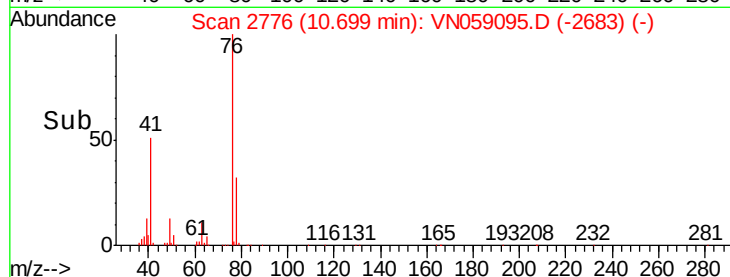
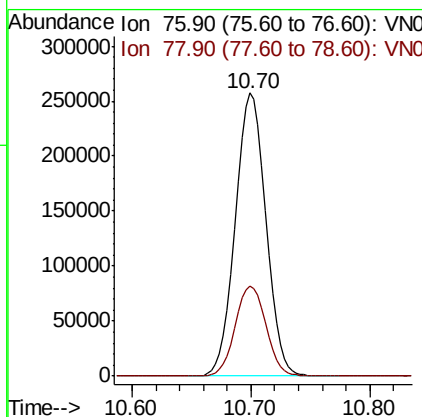
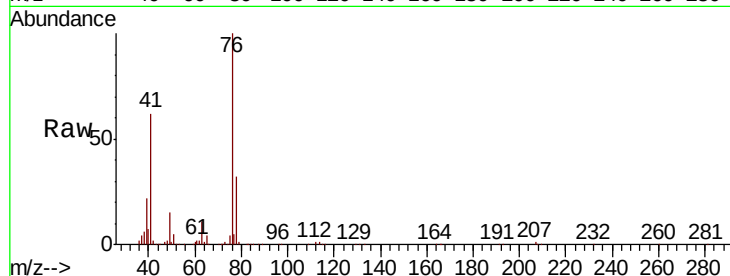
#57
 1,3-Dichloropropane
 Concen: 50.080 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

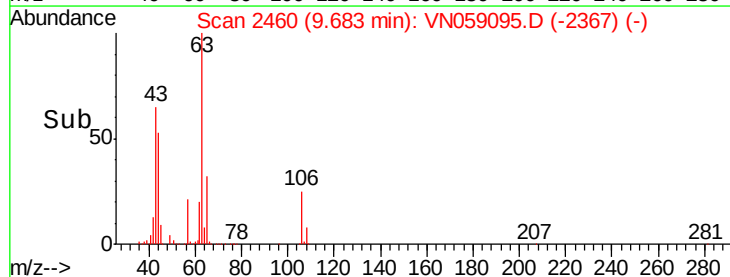
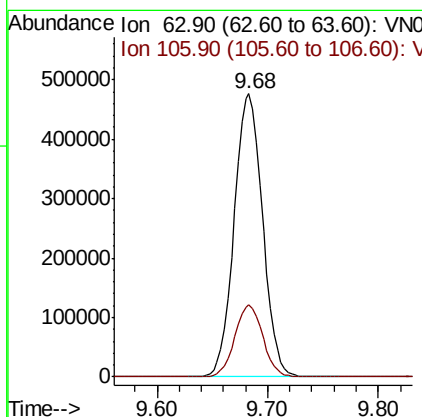
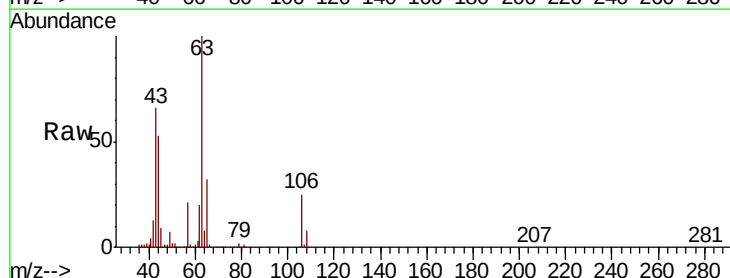
Manual Integrations
 APPROVED

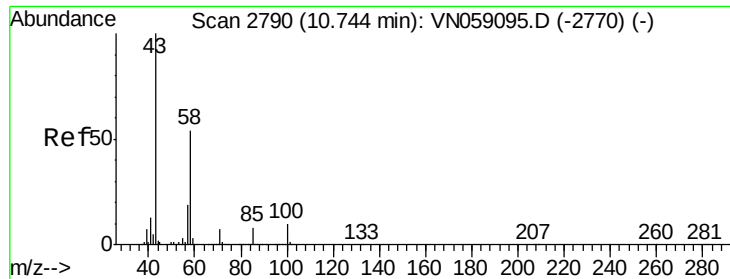
MMDadoda
 11/7/2019 9:16:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 286.213 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.2	20.2	30.2





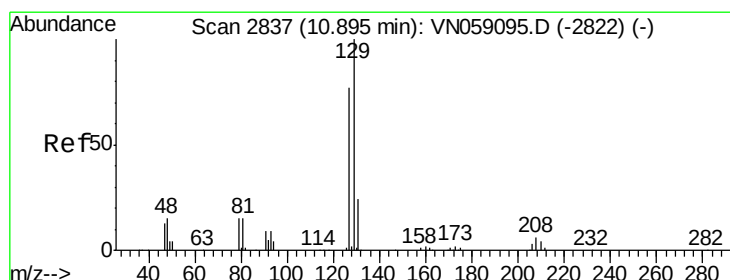
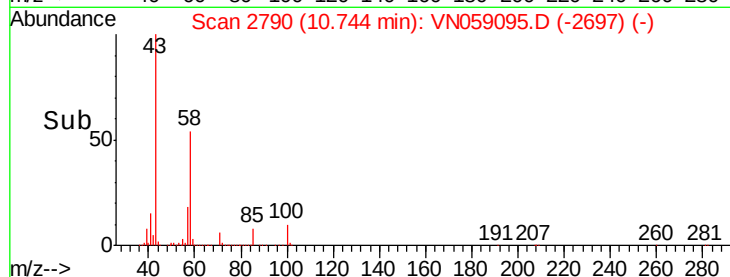
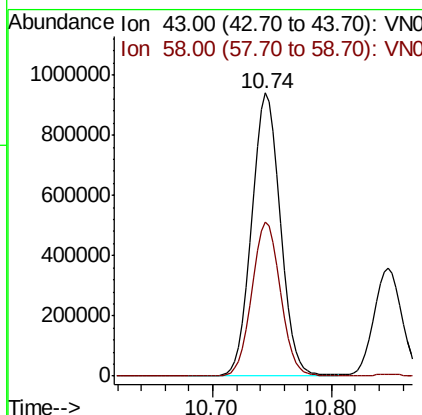
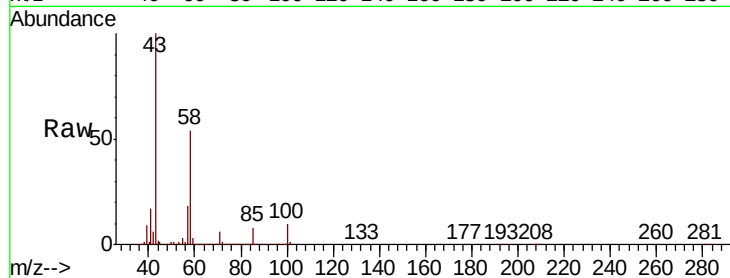
#59
2-Hexanone
Concen: 279.057 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1568745
Ion Ratio Lower Upper
43 100
58 54.5 27.3 81.8

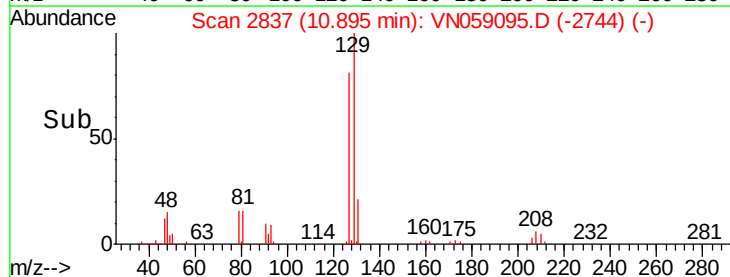
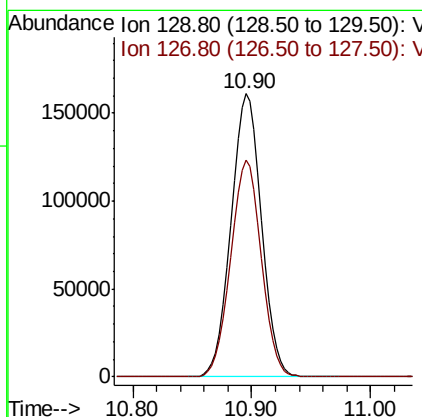
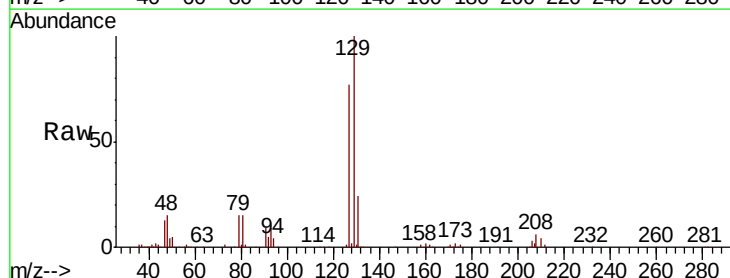
Manual Integrations
APPROVED

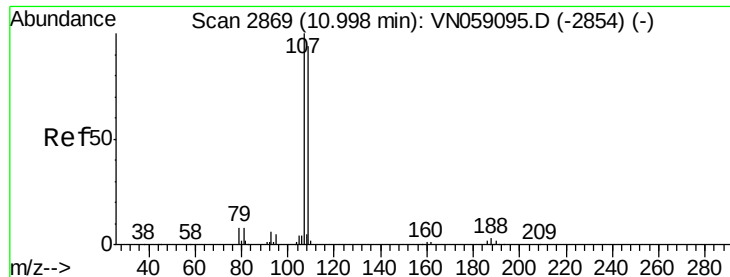
MMDadoda
11/7/2019 9:16:11 AM



#60
Dibromochloromethane
Concen: 50.472 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion: 129 Resp: 284491
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





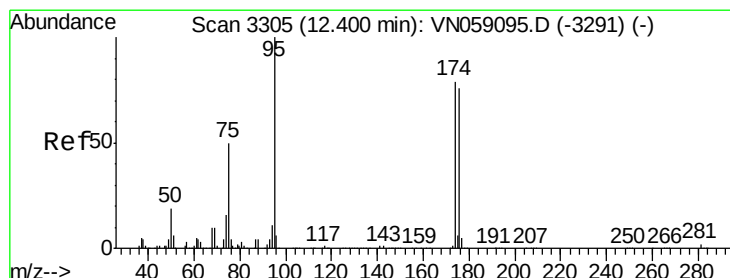
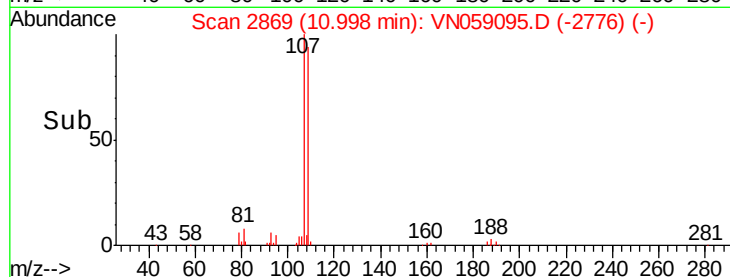
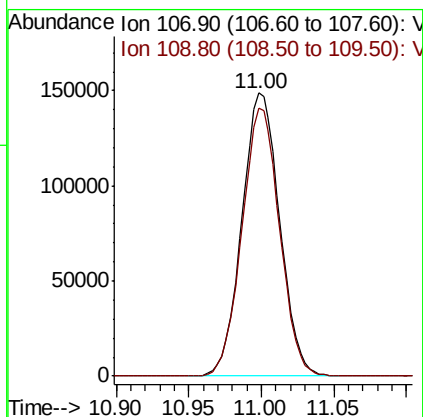
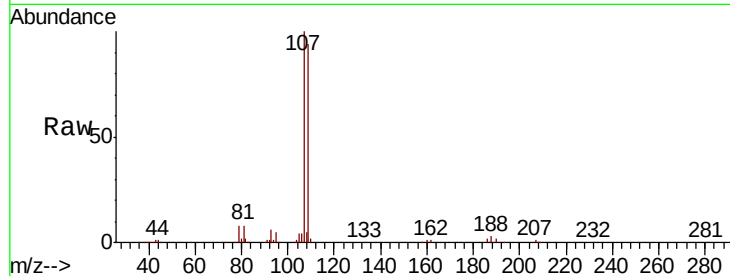
#61
 1,2-Dibromoethane
 Concen: 49.948 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	269565		
109	94.4	75.5	113.3	

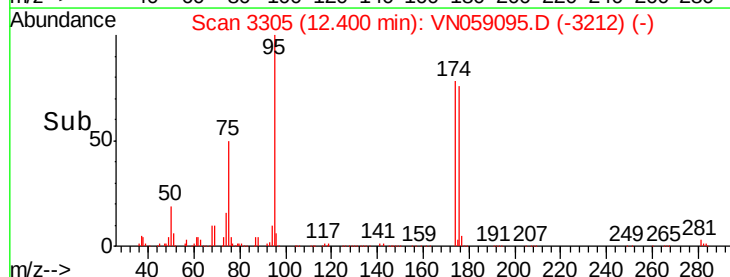
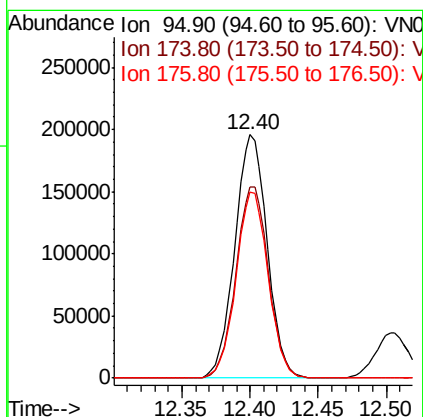
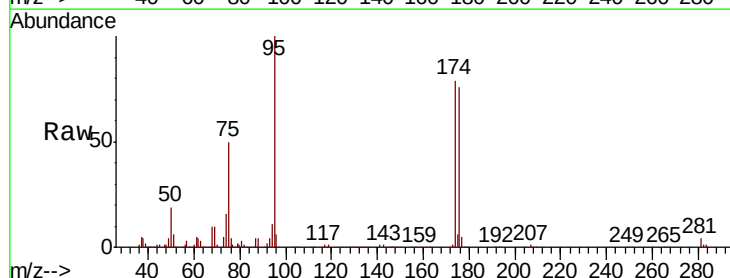
Manual Integrations
 APPROVED

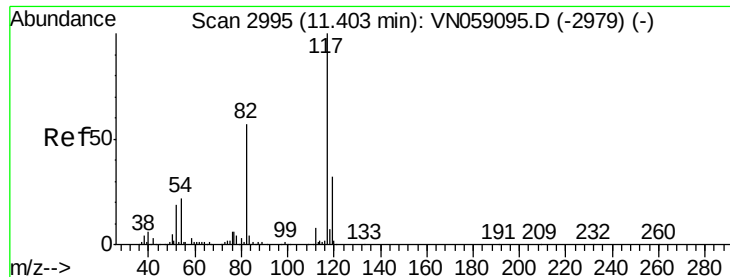
MMDadoda
 11/7/2019 9:16:11 AM



#62
 4-Bromofluorobenzene
 Concen: 48.695 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	322433		
174	79.1	0.0	158.2	
176	75.9	0.0	151.8	





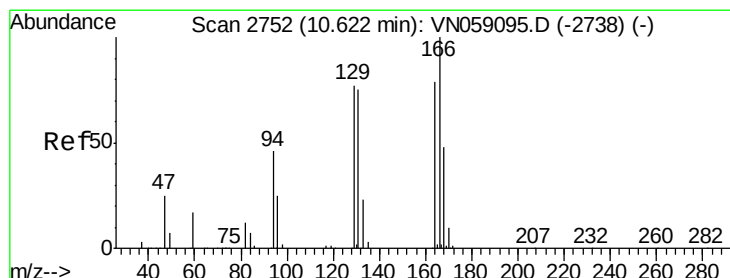
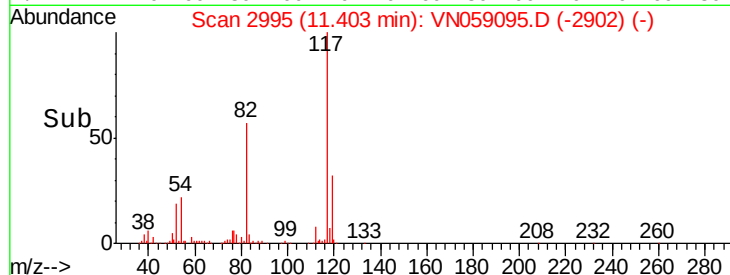
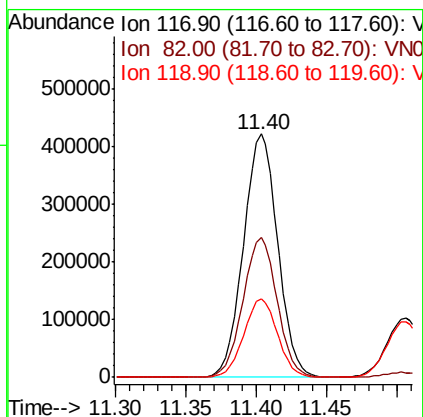
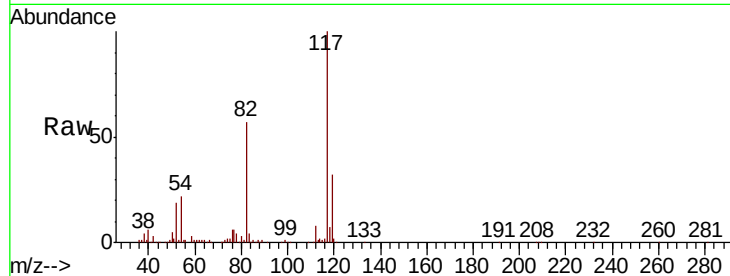
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.8	68.8
119	32.2	25.8	38.6

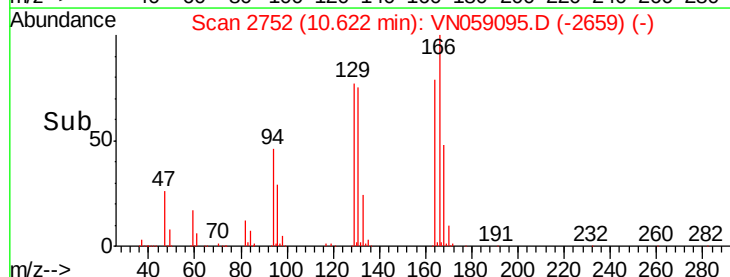
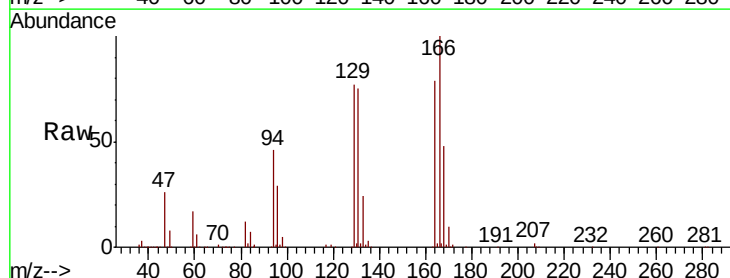
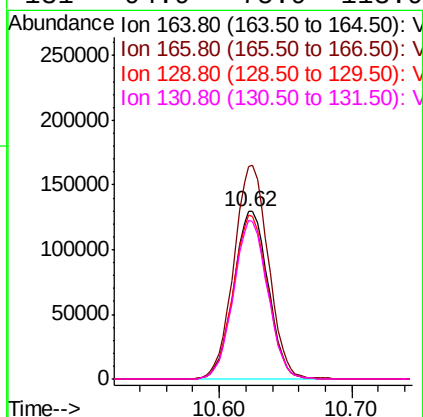
Manual Integrations
APPROVED

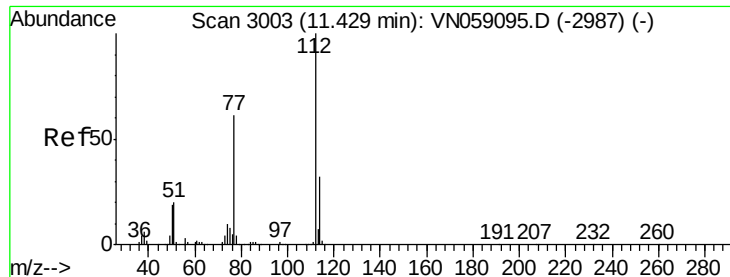
MMDadoda
11/7/2019 9:16:11 AM



#64
Tetrachloroethene
Concen: 48.213 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	101.5	152.3
129	97.9	78.3	117.5
131	94.9	75.9	113.9





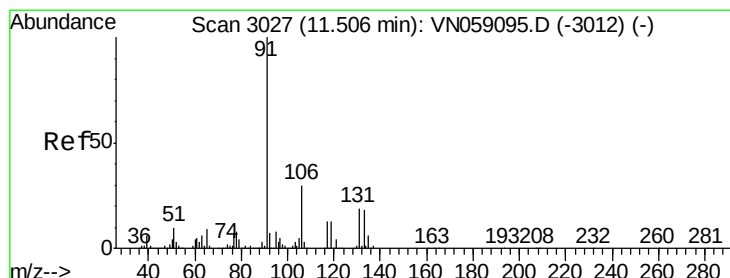
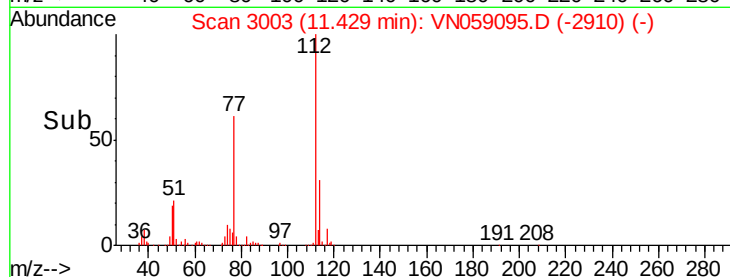
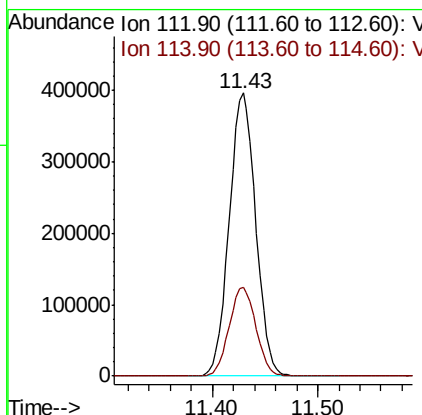
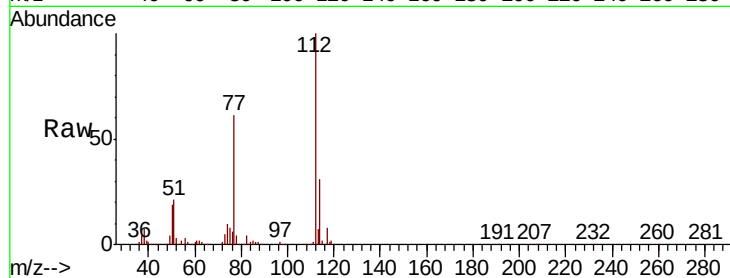
#65
Chlorobenzene
Concen: 49.232 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.2	37.8

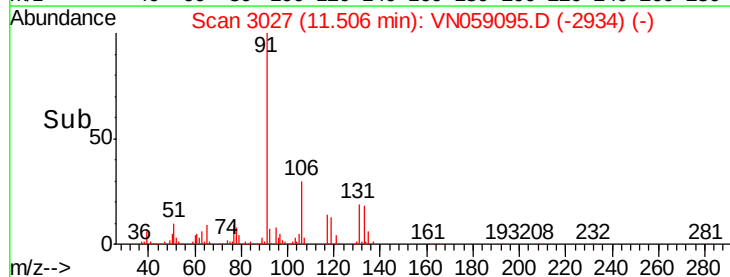
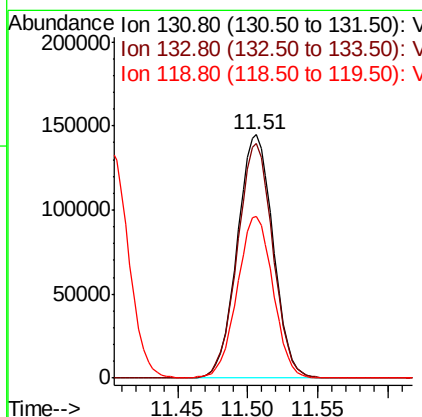
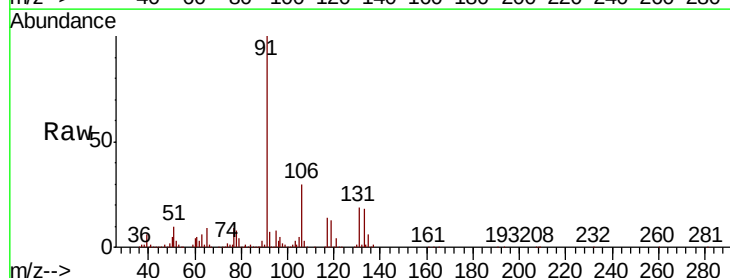
Manual Integrations
APPROVED

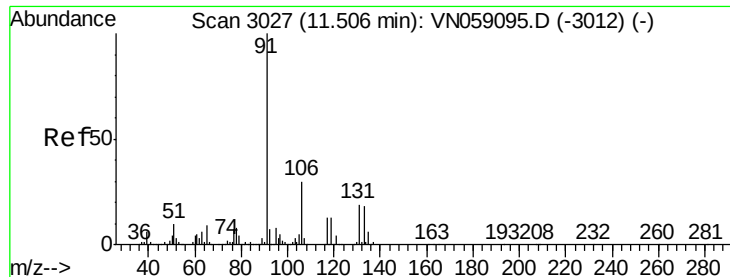
MMDadoda
11/7/2019 9:16:11 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.296 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.4	142.3
119	66.4	33.2	99.6





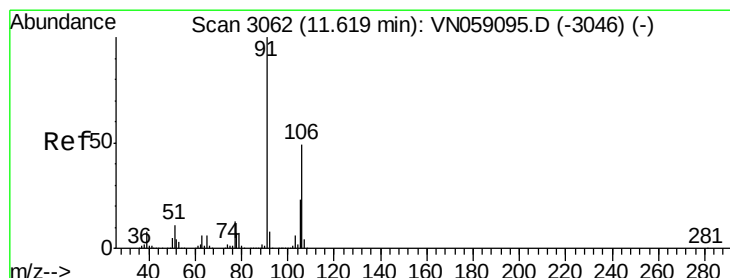
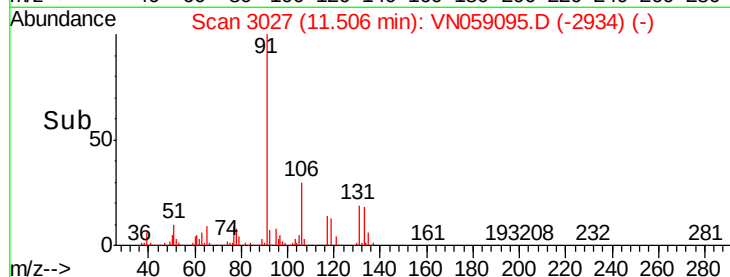
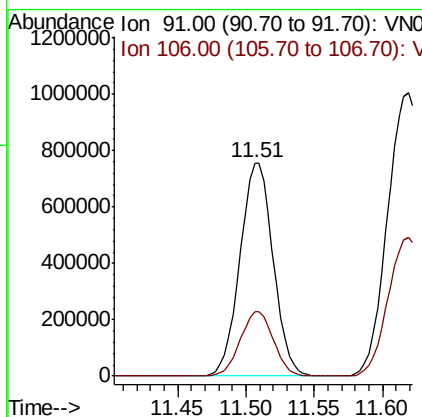
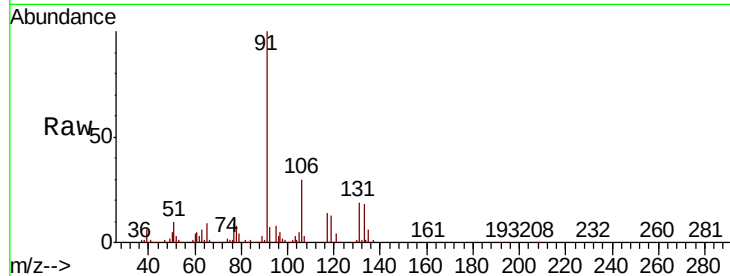
#67
Ethyl Benzene
Concen: 51.453 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1275362
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1

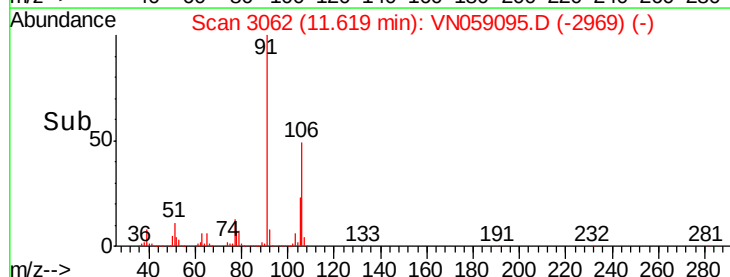
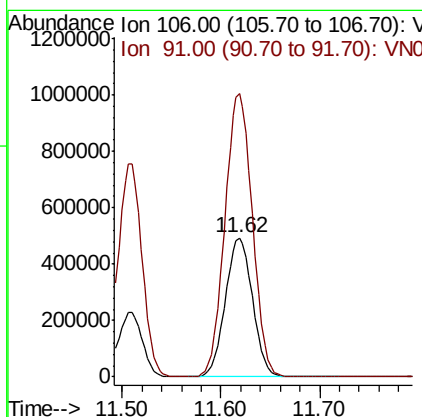
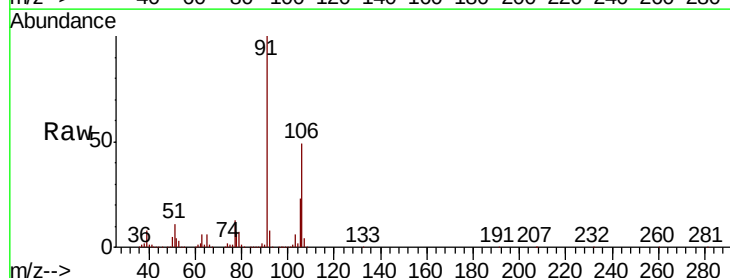
Manual Integrations
APPROVED

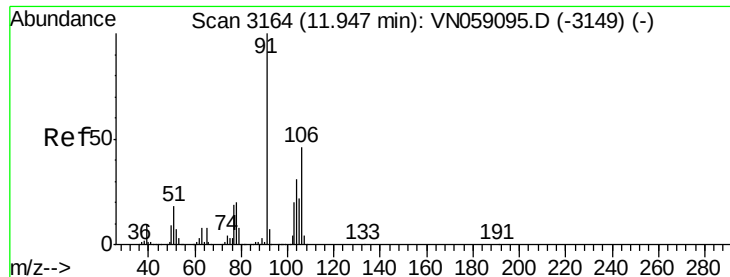
MMDadoda
11/7/2019 9:16:11 AM



#68
m/p-Xylenes
Concen: 102.157 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion: 106 Resp: 948516
Ion Ratio Lower Upper
106 100
91 205.9 164.7 247.1





#69

o-Xylene

Concen: 50.201 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:106 Resp: 450455

Ion Ratio Lower Upper

106 100

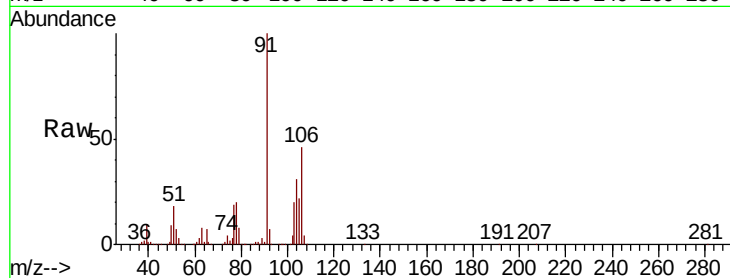
91 220.2 110.1 330.3

Manual Integrations

APPROVED

MMDadoda

11/7/2019 9:16:11 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

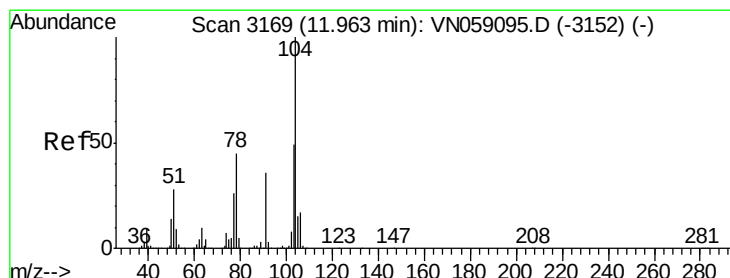
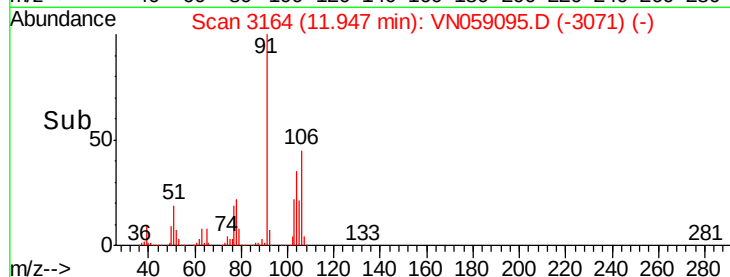
400000

200000

0

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 53.202 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

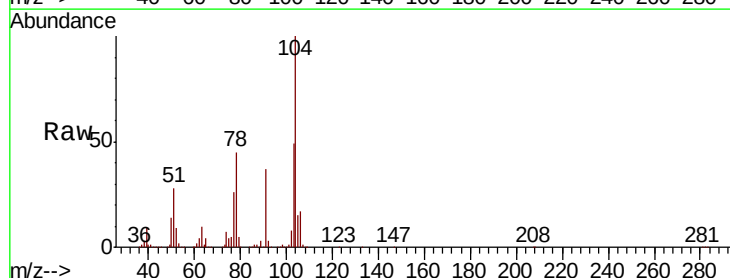
Tgt Ion:104 Resp: 750794

Ion Ratio Lower Upper

104 100

78 51.5 41.2 61.8

103 54.7 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

600000

500000

400000

300000

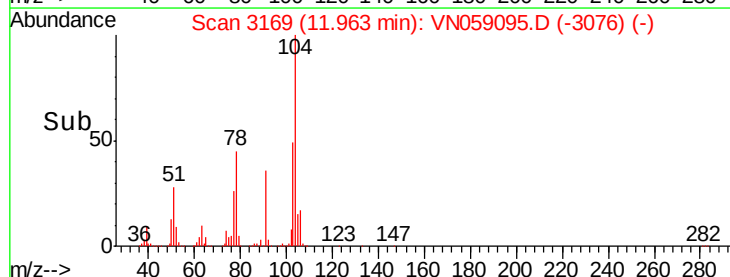
200000

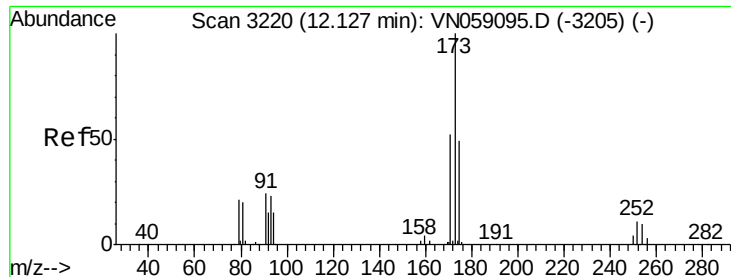
100000

0

11.90 11.96 12.00

Time-->





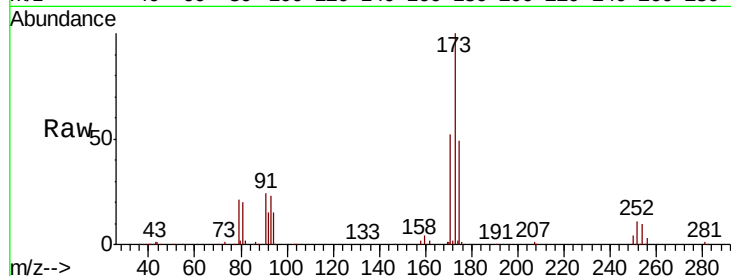
#71
Bromoform
Concen: 50.805 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.2	72.6
254	0.1	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
11/7/2019 9:16:11 AM

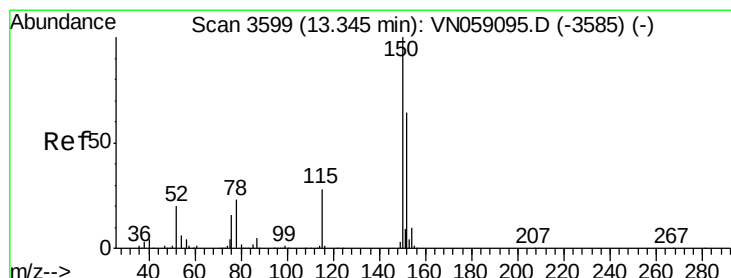
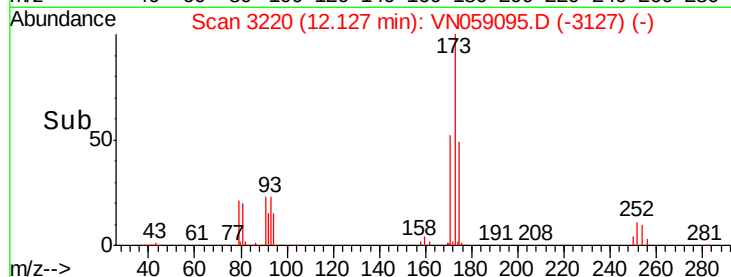
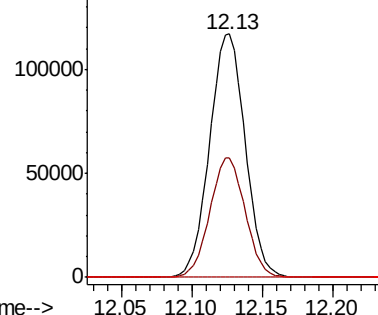


Abundance

Ion 172.70 (172.40 to 173.40): V

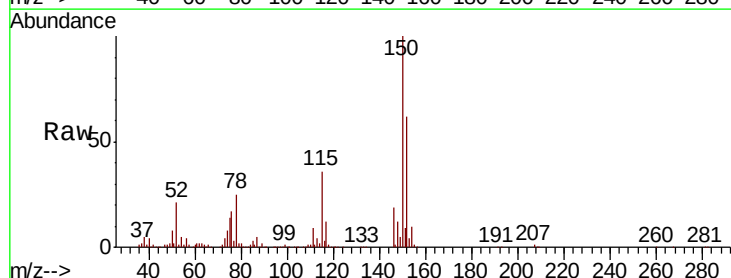
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.4	88.2
150	172.9	0.0	345.8

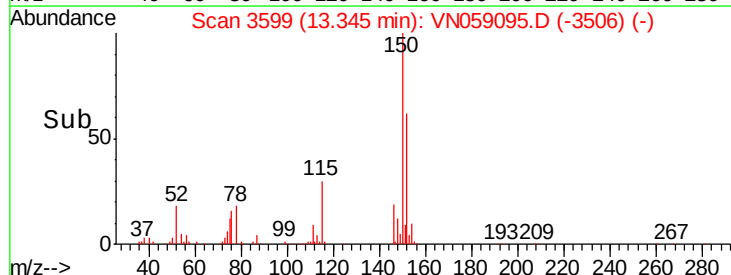
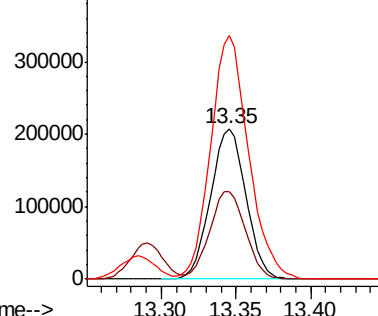


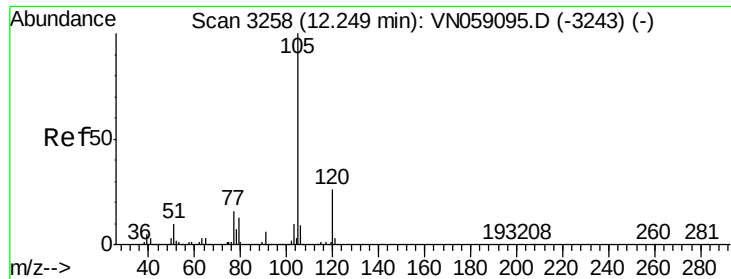
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.317 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1225792

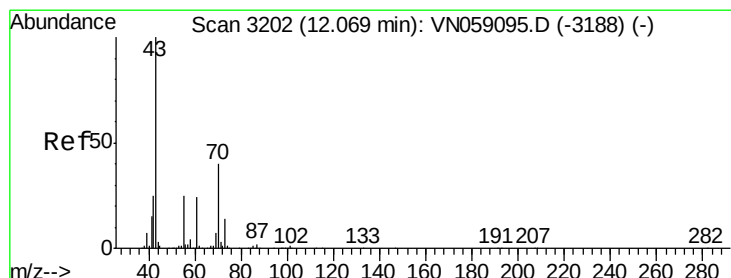
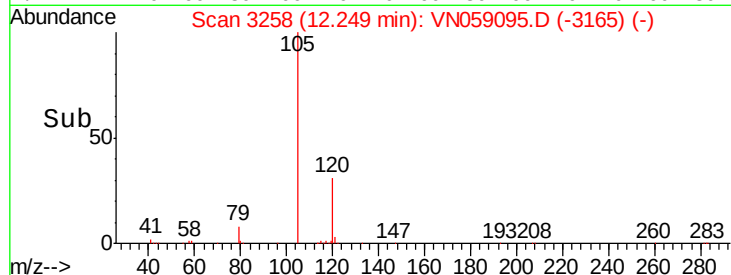
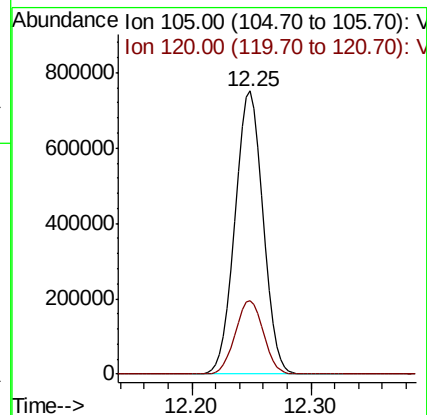
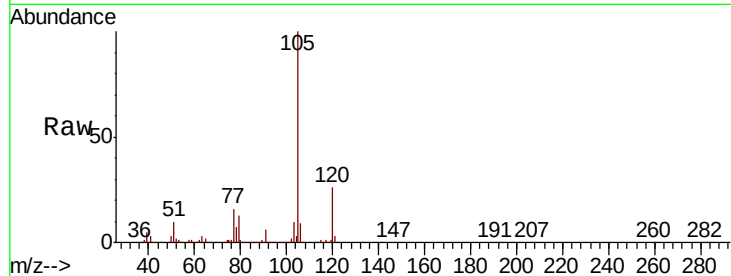
Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3

Manual Integrations
APPROVED

MMDadoda
11/7/2019 9:16:11 AM



#74

N-ethyl acetate

Concen: 51.927 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Tgt Ion: 43 Resp: 546903

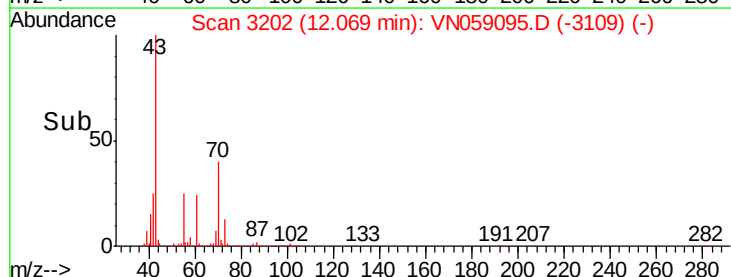
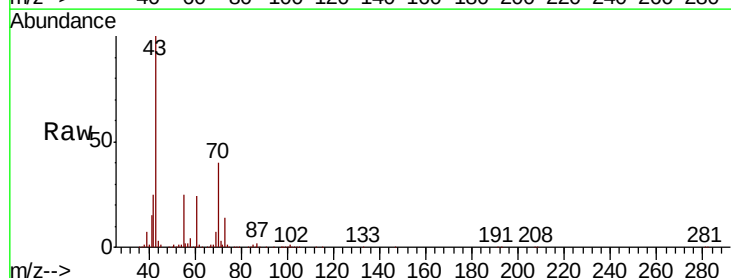
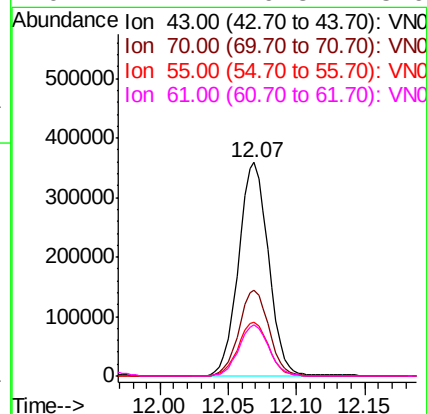
Ion Ratio Lower Upper

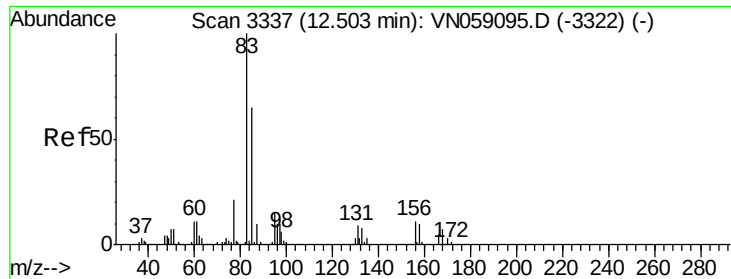
43 100

70 40.3 32.2 48.4

55 25.5 20.4 30.6

61 24.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.004 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 406330

Ion Ratio Lower Upper

83 100

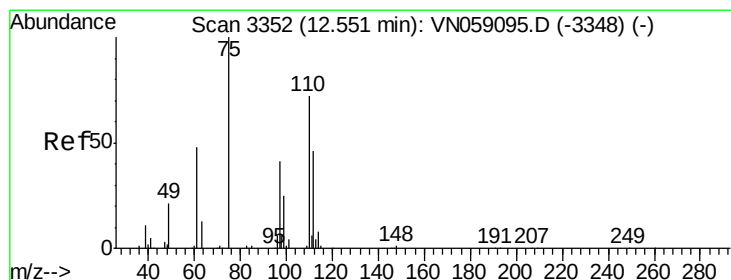
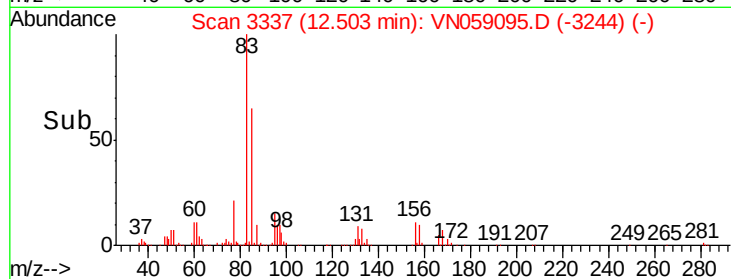
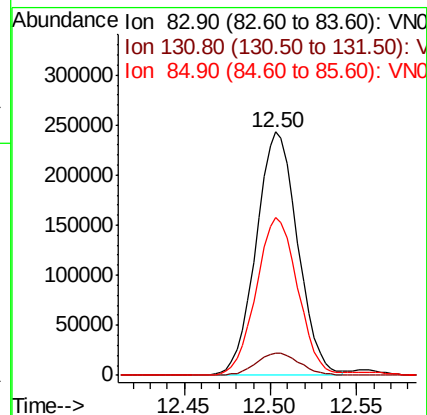
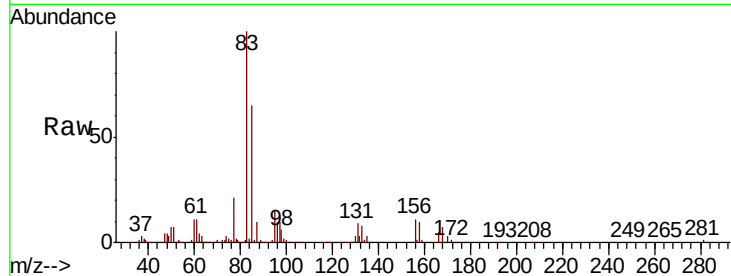
131 9.7 4.9 14.6

85 64.8 32.4 97.2

Manual Integrations
APPROVED

MMDadoda

11/7/2019 9:16:11 AM



#76

1,2,3-Trichloropropane

Concen: 45.209 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059095.D

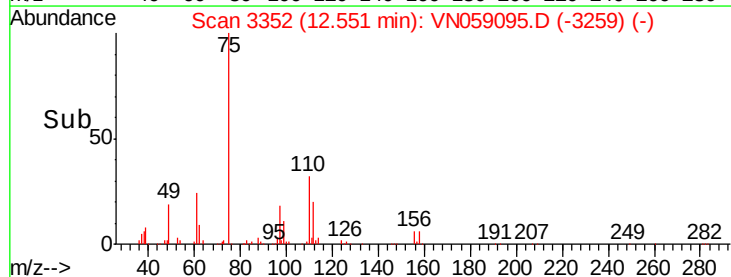
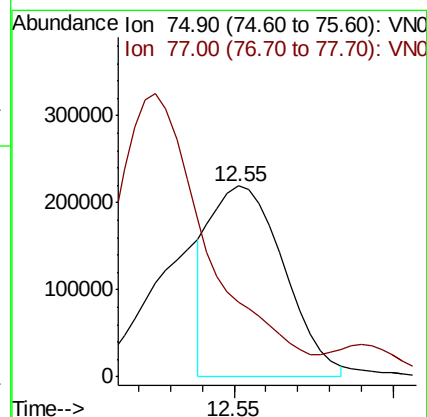
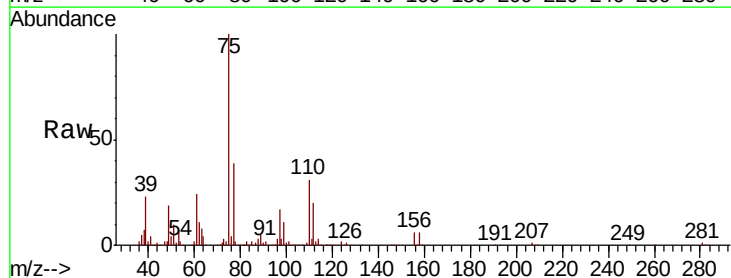
Acq: 6 Nov 2019 10:01

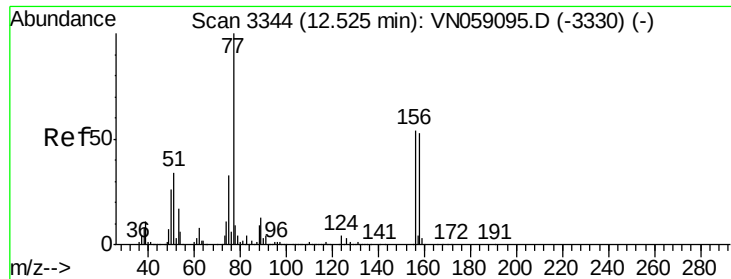
Tgt Ion: 75 Resp: 351702

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.609 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

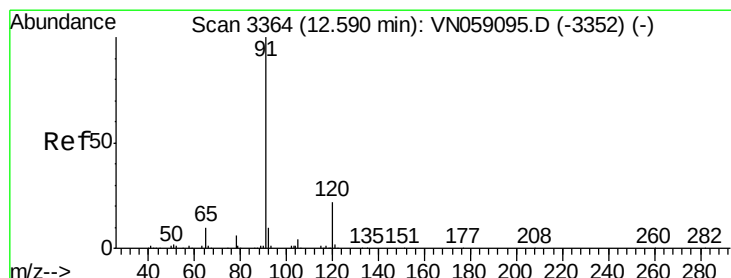
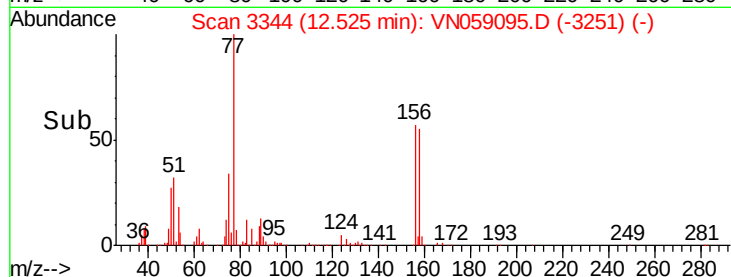
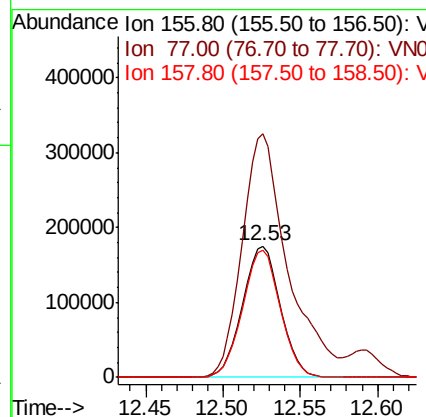
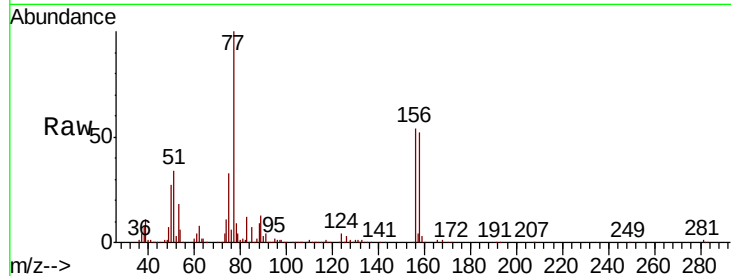
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	225.5	112.8	338.3
158	96.9	48.4	145.3

Manual Integrations
APPROVED

MMDadoda
11/7/2019 9:16:11 AM



#78

n-propylbenzene

Concen: 50.831 ug/l

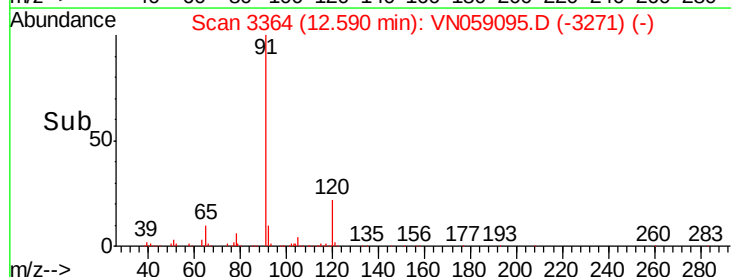
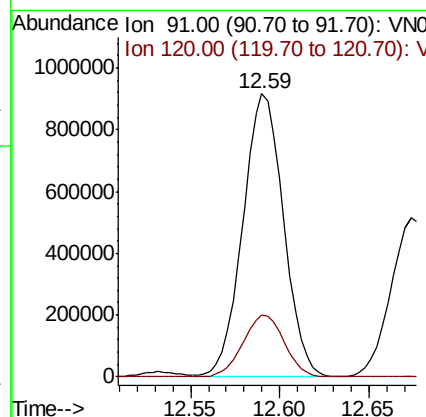
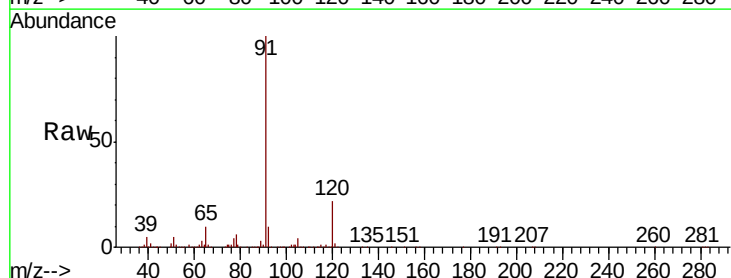
RT: 12.59 min Scan# 3364

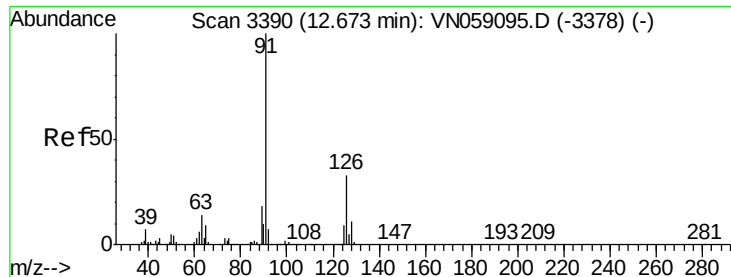
Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5





#79

2-Chlorotoluene

Concen: 48.063 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 848538

Ion Ratio Lower Upper

91 100

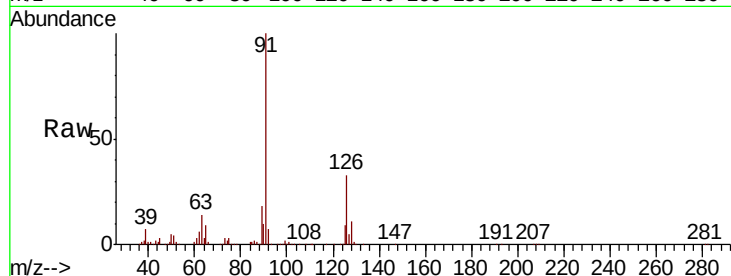
126 33.4 16.7 50.1

Manual Integrations

APPROVED

MMDadoda

11/7/2019 9:16:11 AM



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059095.D (-3378) (-)

800000

600000

400000

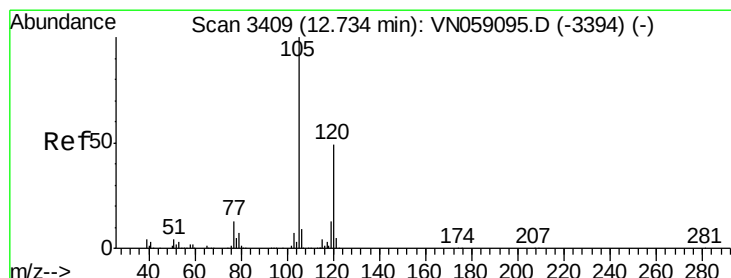
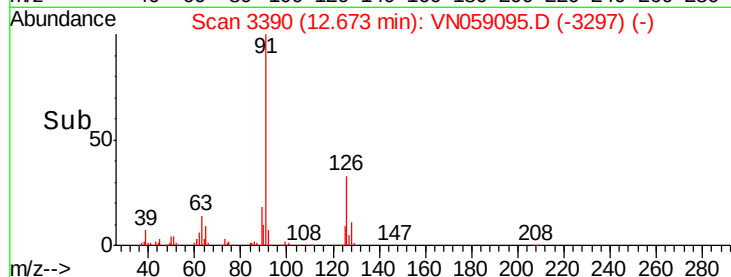
200000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.658 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059095.D

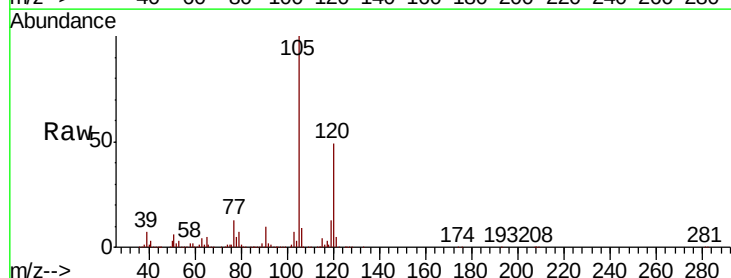
Acq: 6 Nov 2019 10:01

Tgt Ion: 105 Resp: 1045854

Ion Ratio Lower Upper

105 100

120 48.0 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059095.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059095.D (-3394) (-)

600000

400000

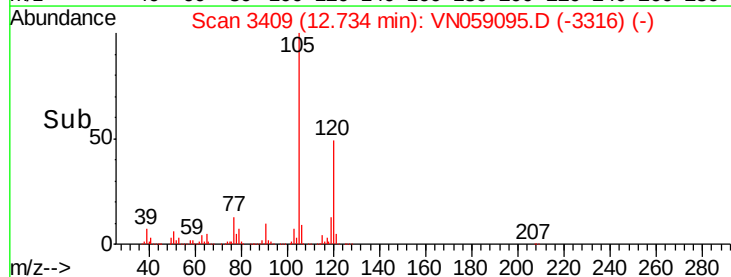
200000

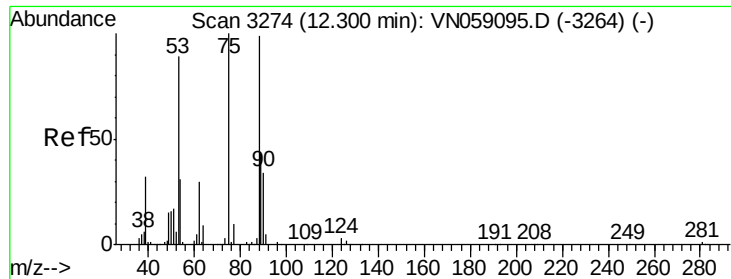
0

12.70 12.80

12.73

Time-->





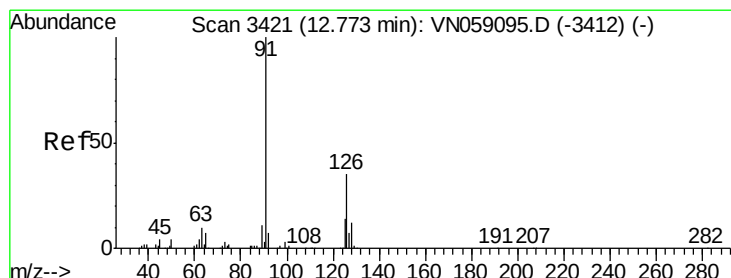
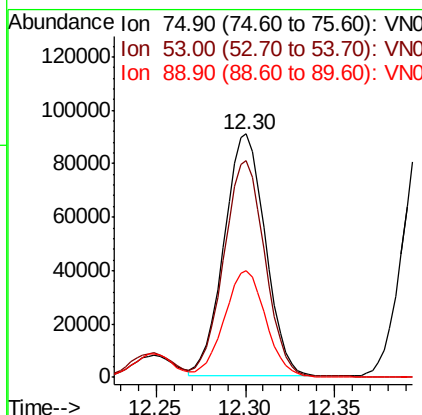
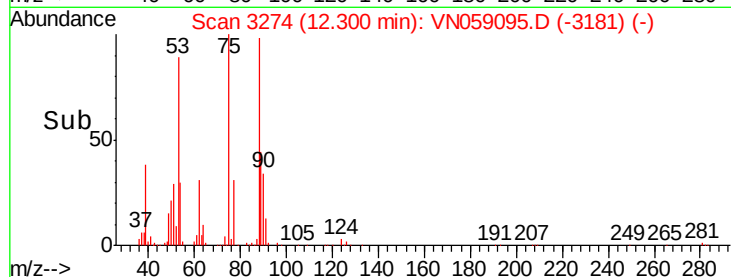
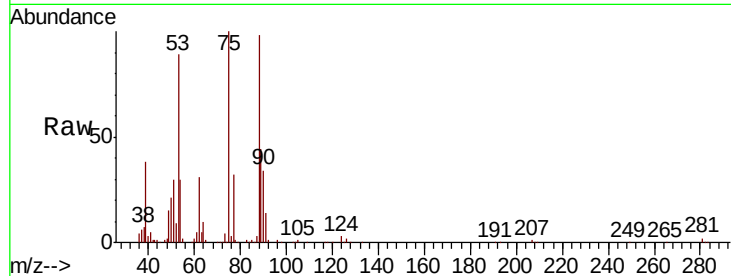
#81
trans-1,4-Dichloro-2-butene
Concen: 49.584 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.2	72.2	108.2
89	44.8	35.8	53.8

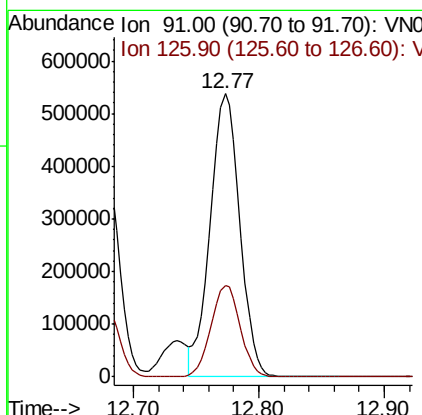
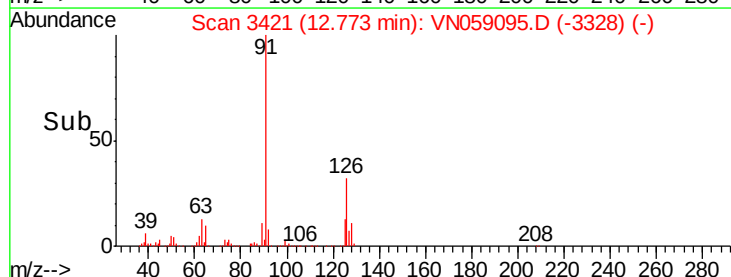
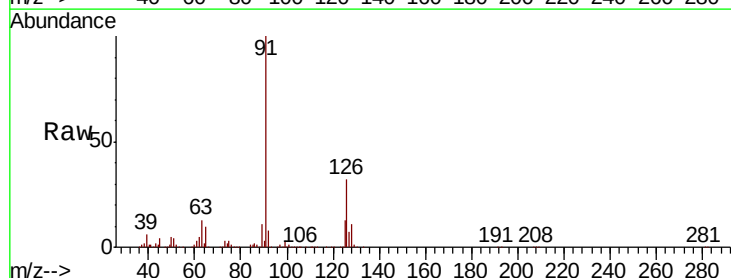
Manual Integrations
APPROVED

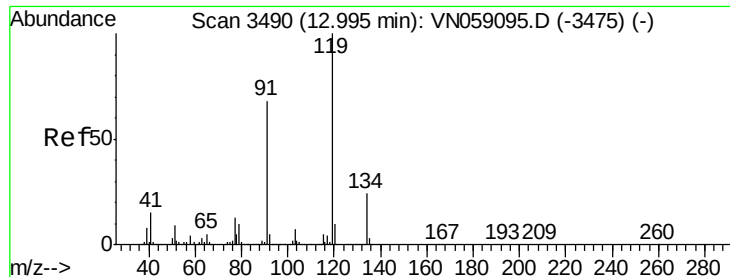
MMDadoda
11/7/2019 9:16:11 AM



#82
4-Chlorotoluene
Concen: 49.594 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.2





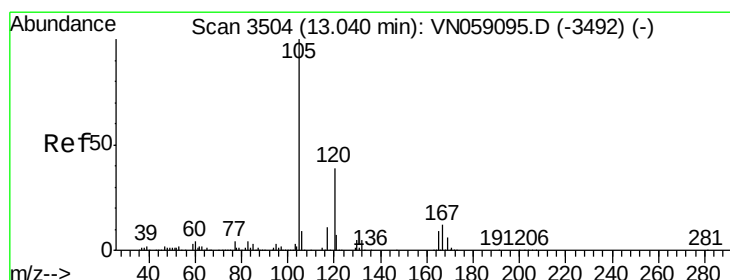
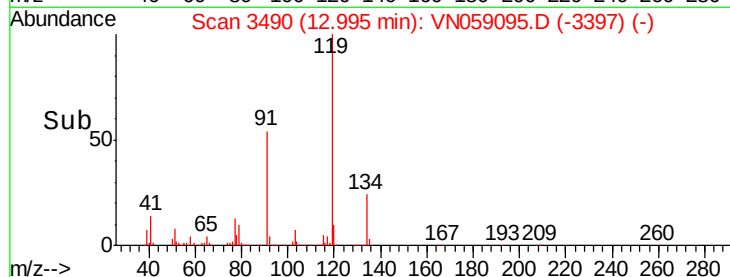
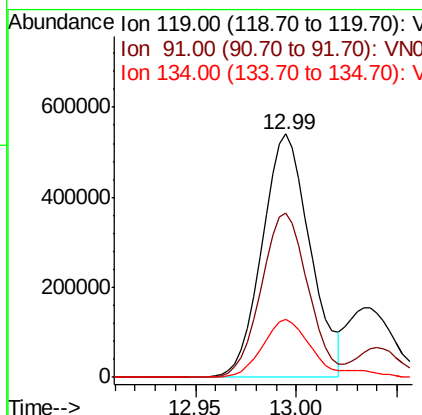
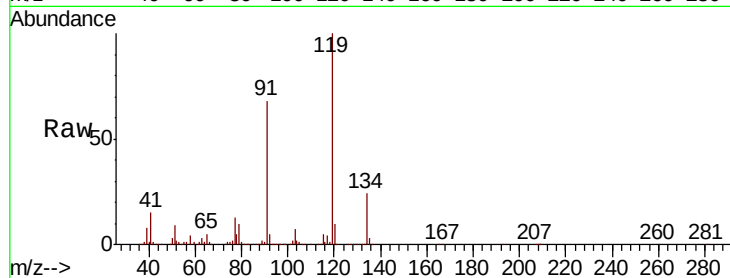
#83
 tert-Butylbenzene
 Concen: 49.078 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	33.2	99.6
134	25.4	12.7	38.1

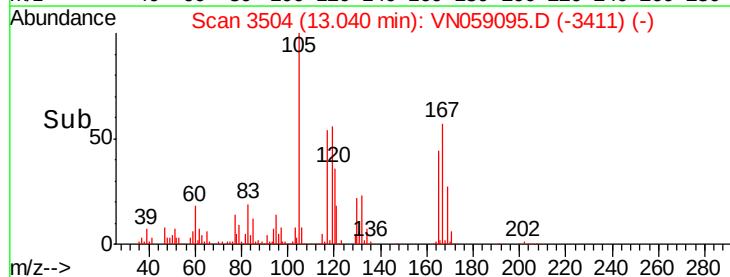
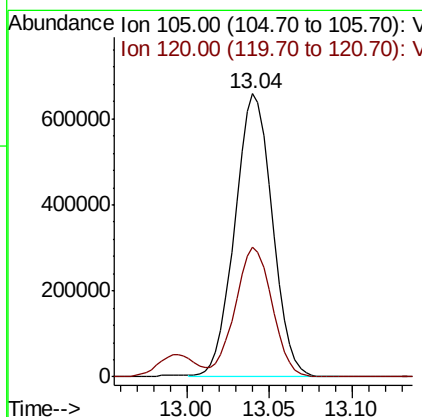
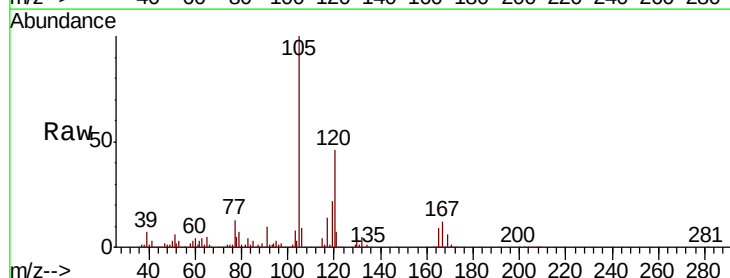
Manual Integrations
 APPROVED

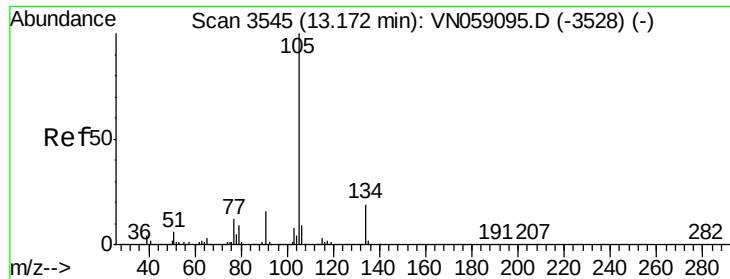
MMDadoda
 11/7/2019 9:16:11 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.629 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.8	68.4





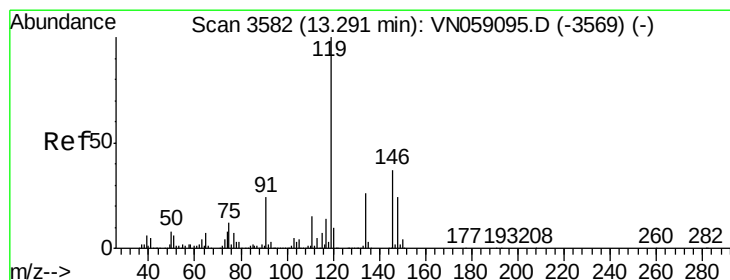
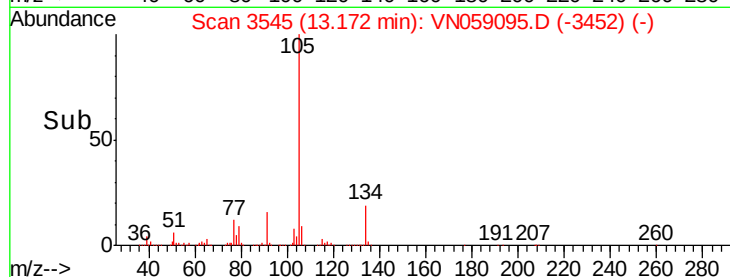
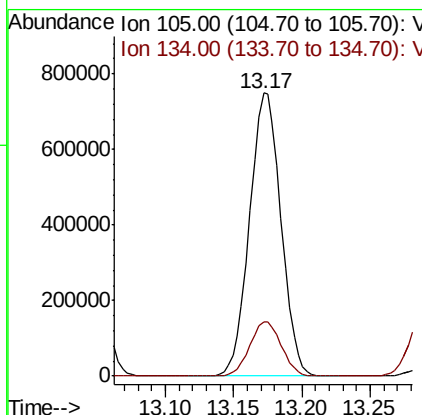
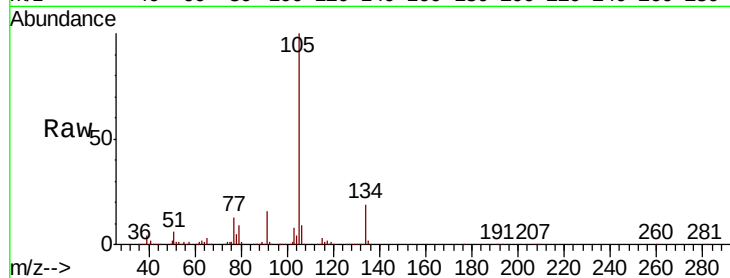
#85
 sec-Butylbenzene
 Concen: 50.610 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1197161
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1

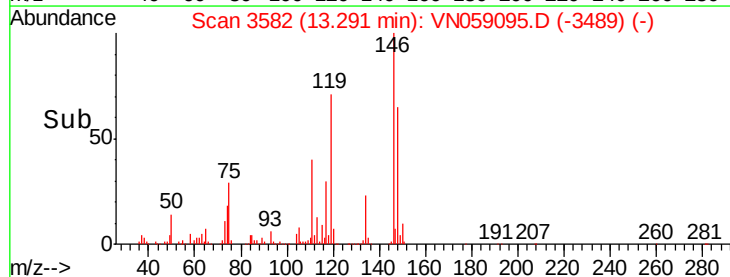
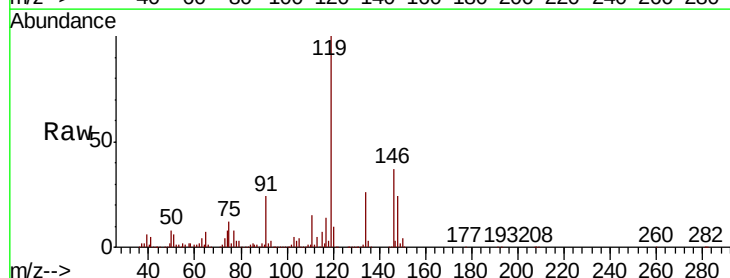
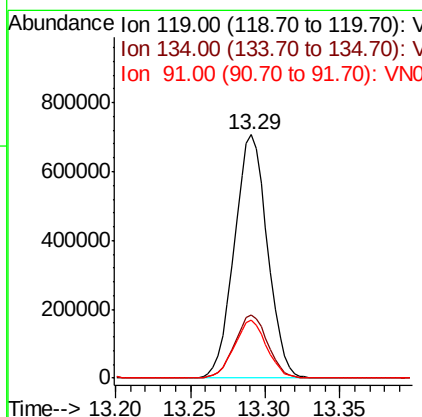
Manual Integrations
 APPROVED

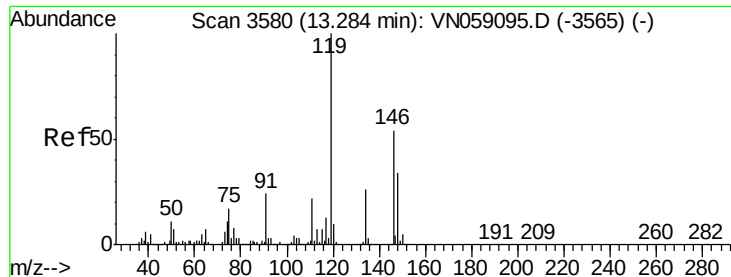
MMDadoda
 11/7/2019 9:16:11 AM



#86
 p-Isopropyltoluene
 Concen: 51.868 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion:119 Resp: 1083318
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 38.9
 91 23.4 11.7 35.1





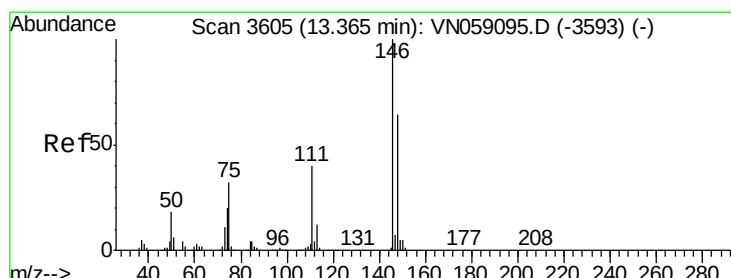
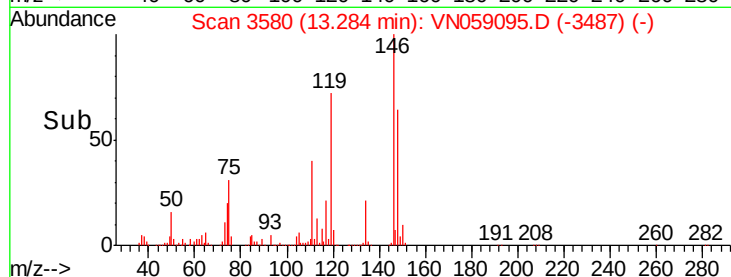
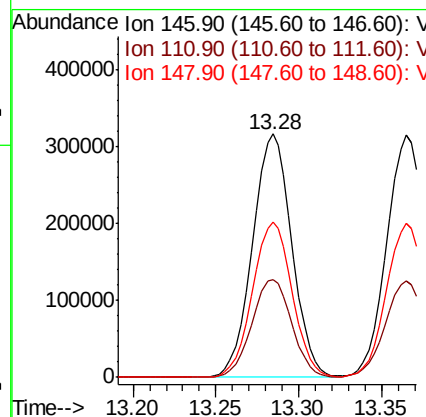
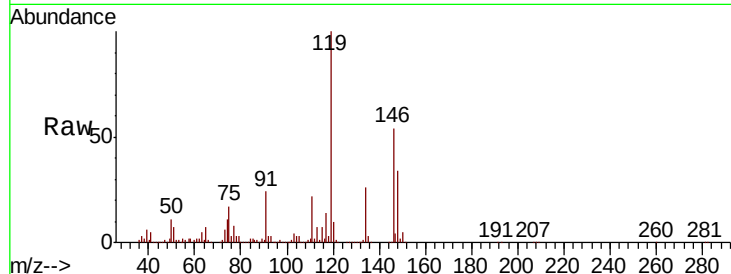
#87
 1,3-Dichlorobenzene
 Concen: 48.769 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.3
148	64.4	32.2	96.6

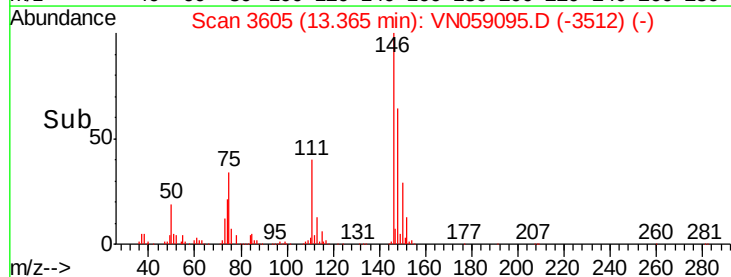
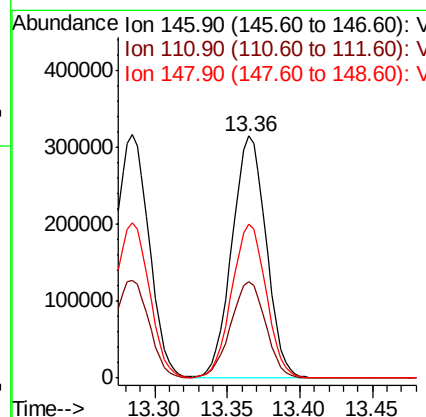
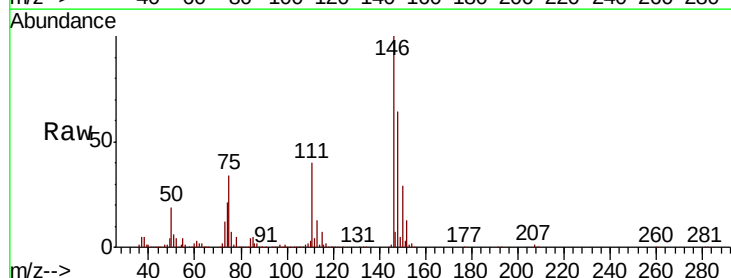
Manual Integrations
 APPROVED

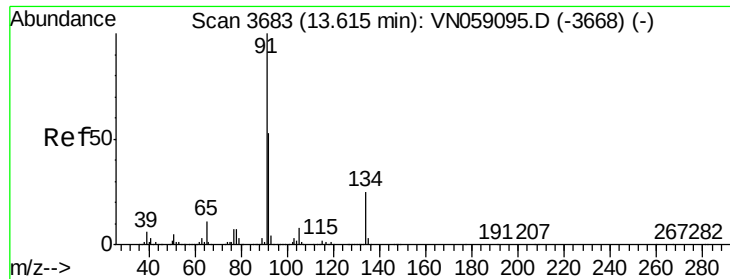
MMDadoda
 11/7/2019 9:16:11 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.146 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.9
148	63.8	31.9	95.7





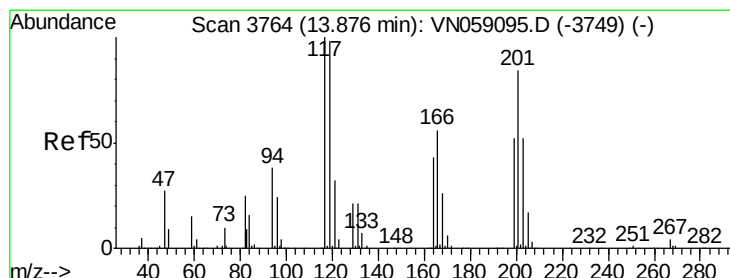
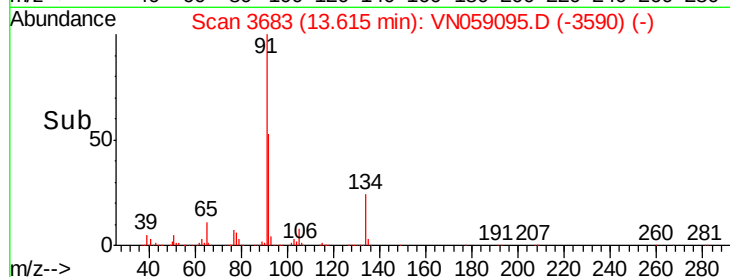
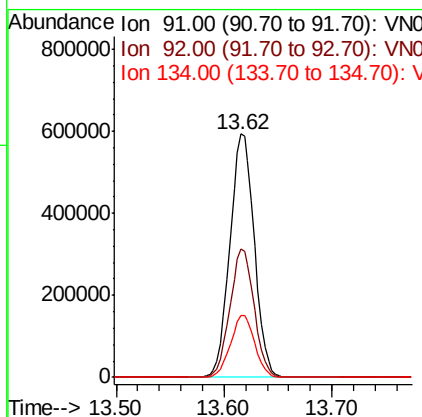
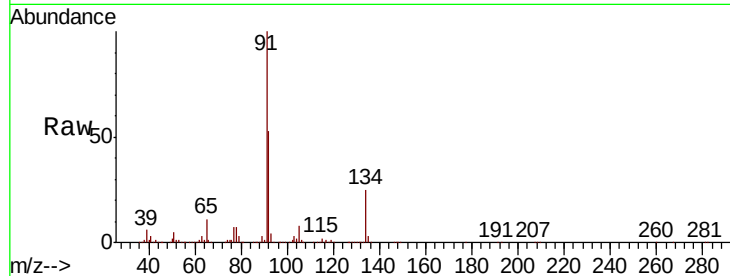
#89
n-Butylbenzene
Concen: 51.256 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	25.2	12.6	37.8

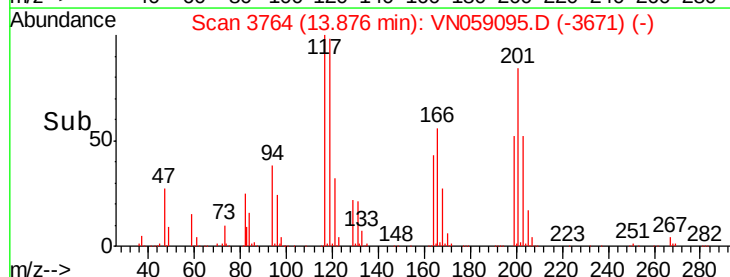
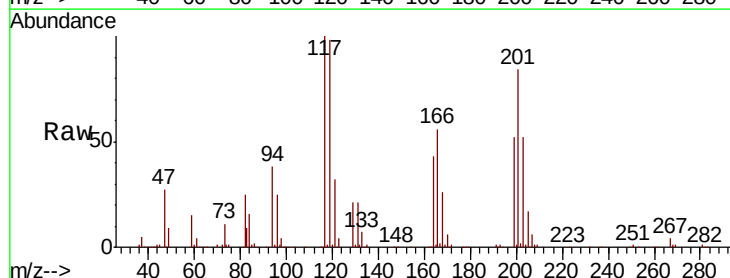
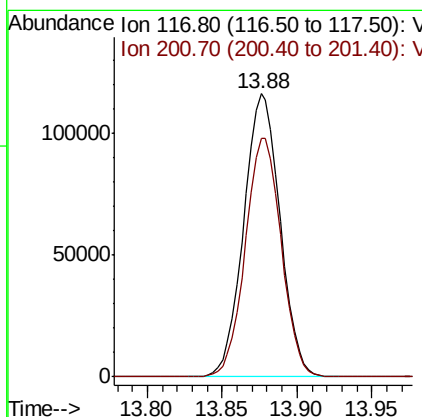
Manual Integrations
APPROVED

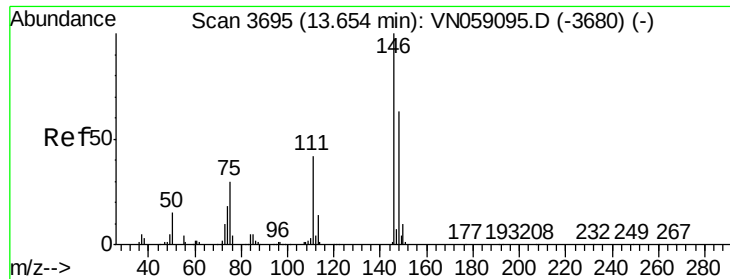
MMDadoda
11/7/2019 9:16:11 AM



#90
Hexachloroethane
Concen: 46.797 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	41.8	125.3





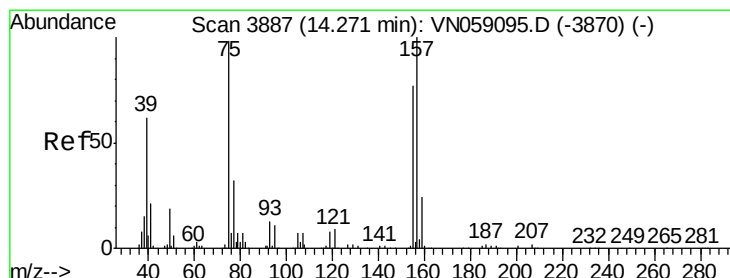
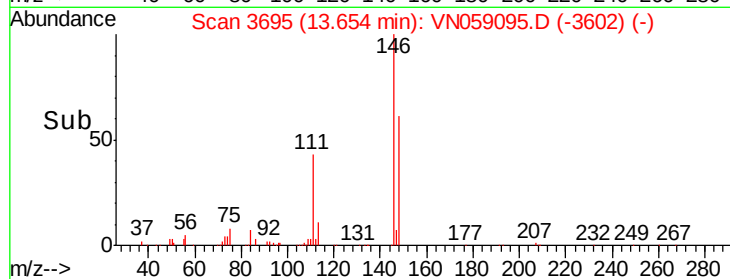
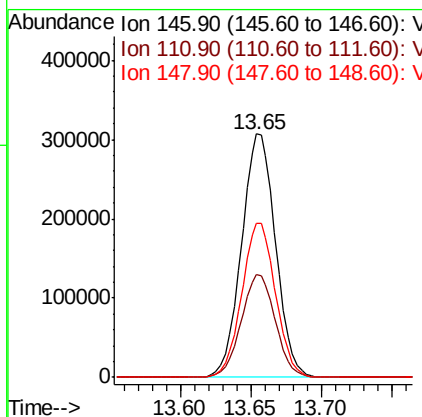
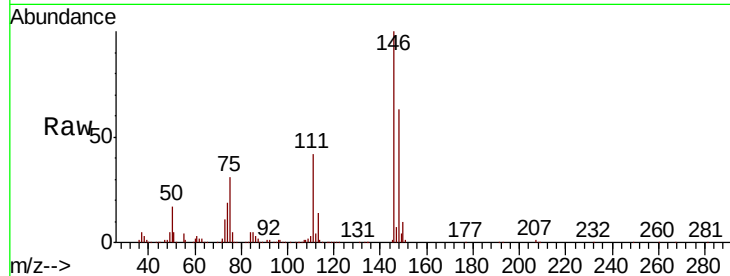
#91
 1,2-Dichlorobenzene
 Concen: 49.282 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	63.1	31.6	94.7

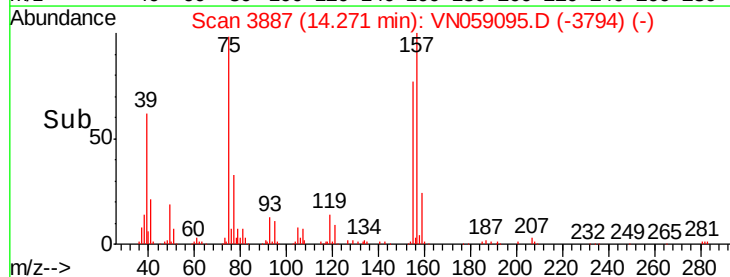
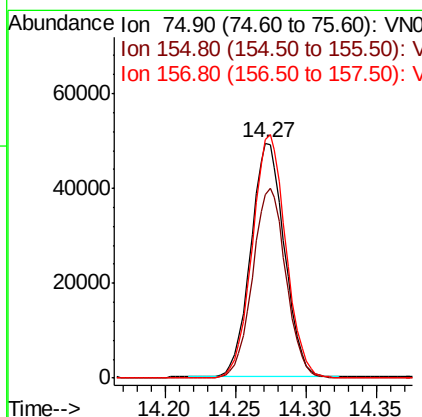
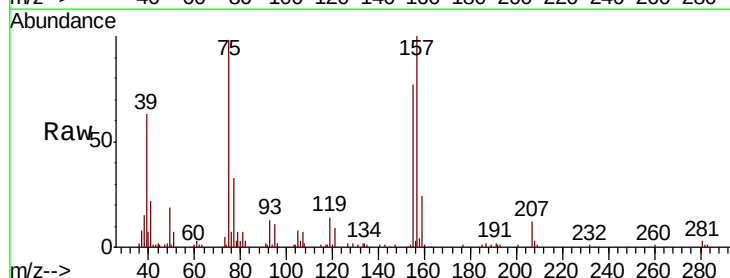
Manual Integrations
 APPROVED

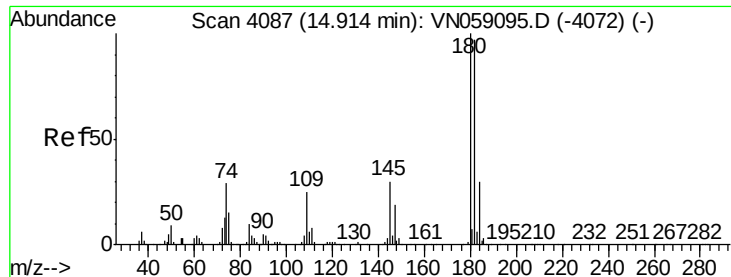
MMDadoda
 11/7/2019 9:16:11 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.750 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	40.2	120.6
157	103.7	51.8	155.5





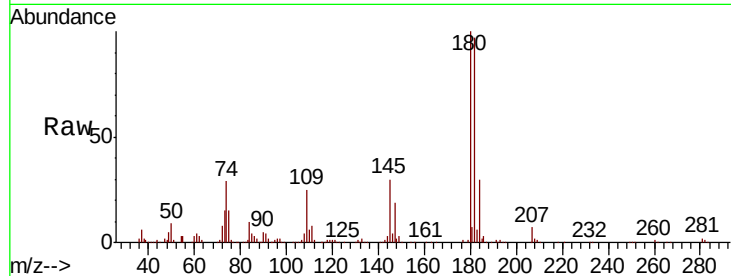
#93
 1,2,4-Trichlorobenzene
 Concen: 45.595 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

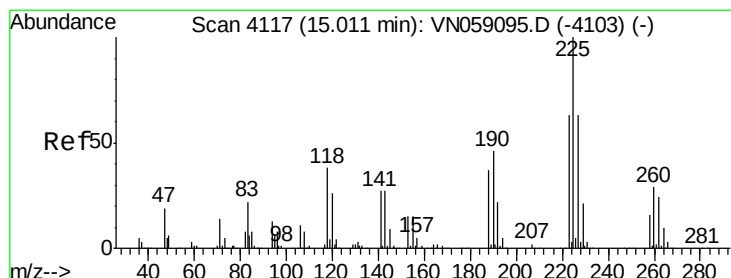
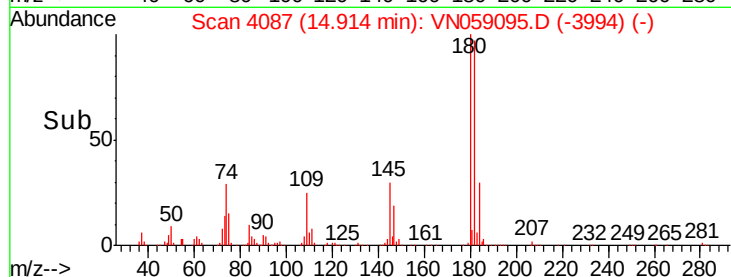
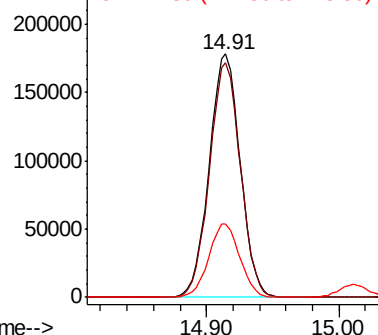
Tot Ion	Ratio	Resp	Lower	Upper
180	100	289176		
182	96.2	48.1	144.3	
145	30.2	15.1	45.3	

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 9:16:11 AM

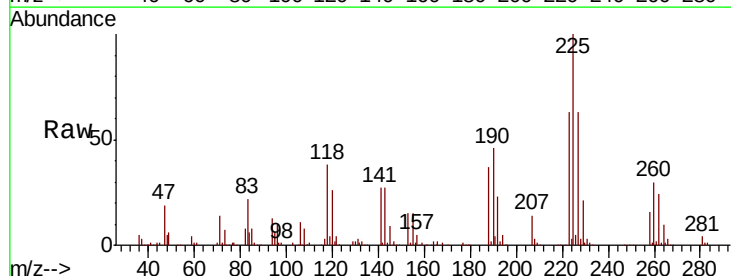


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

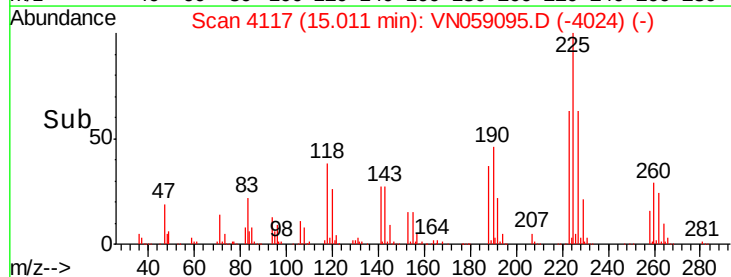
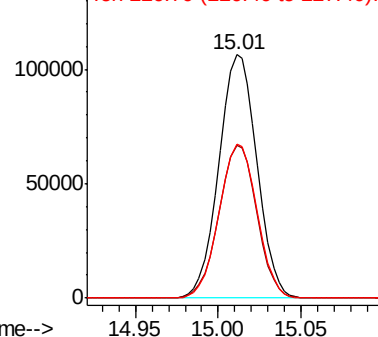


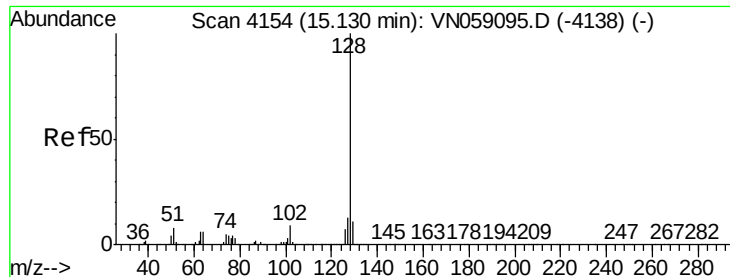
#94
 Hexachlorobutadiene
 Concen: 46.924 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	170199		
223	62.6	31.3	93.9	
227	63.0	31.5	94.5	



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: 44.959 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

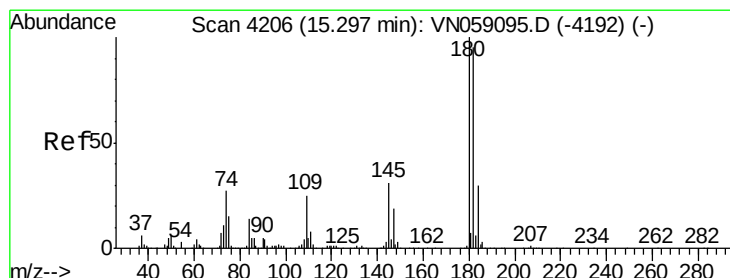
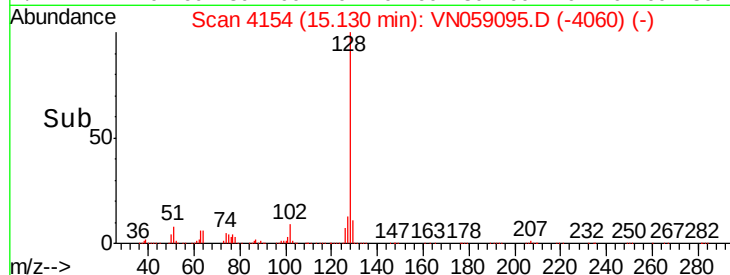
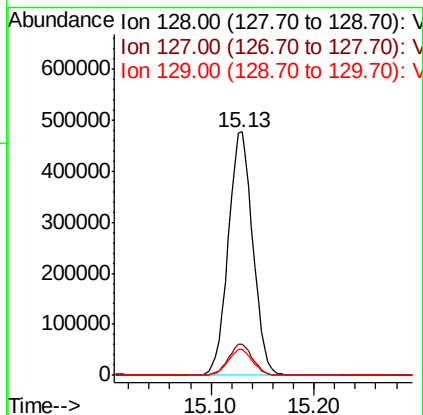
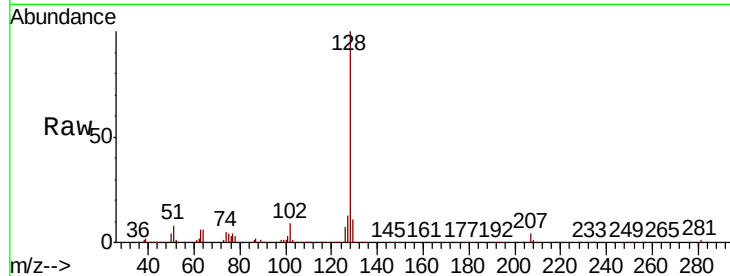
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	790292
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/7/2019 9:16:11 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.209 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Tgt Ion:	180	Resp:	290100
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.3	141.8
145	31.5	15.8	47.3

