

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059174.D
 Acq On : 11 Nov 2019 20:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 11:20:13 AM

Quant Time: Nov 12 04:16:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	449255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	712353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	657154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	317125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	283643	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.57	113	220233	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
50) Toluene-d8	10.08	98	839755	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.40	95	308251	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	194020	42.864	ug/l	99
3) Chloromethane	2.04	50	271221	44.080	ug/l	100
4) Vinyl Chloride	2.17	62	276874	46.413	ug/l	100
5) Bromomethane	2.53	94	153705	44.775	ug/l	100
6) Chloroethane	2.67	64	166487	47.179	ug/l	99
7) Trichlorofluoromethane	2.99	101	335377	47.003	ug/l	97
8) Diethyl Ether	3.39	74	132684	45.765	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	194902	45.303	ug/l	99
10) Methyl Iodide	3.92	142	253849	47.670	ug/l	99
11) Tert butyl alcohol	4.76	59	286822	272.523	ug/l	99
12) 1,1-Dichloroethene	3.71	96	190872	45.545	ug/l	99
13) Acrolein	3.58	56	110691	203.989	ug/l	100
14) Allyl chloride	4.30	41	388082	45.081	ug/l	97
15) Acrylonitrile	4.96	53	695045	265.362	ug/l	99
16) Acetone	3.79	43	635151	221.168	ug/l	99
17) Carbon Disulfide	4.03	76	535657	41.175	ug/l	99
18) Methyl Acetate	4.30	43	366592	53.780	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	720029	49.903	ug/l	99
20) Methylene Chloride	4.52	84	238592	47.688	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	208119	46.265	ug/l	96
22) Diisopropyl ether	5.93	45	806468	49.597	ug/l	99
23) Vinyl Acetate	5.87	43	3365218	267.038	ug/l	100
24) 1,1-Dichloroethane	5.82	63	435025	47.901	ug/l	99
25) 2-Butanone	6.81	43	975397	257.709	ug/l	99
26) 2,2-Dichloropropane	6.80	77	347235	43.726	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	248168	47.551	ug/l	100
28) Bromochloromethane	7.17	49	131563	48.151	ug/l	100
29) Tetrahydrofuran	7.19	42	646081	268.651	ug/l	99
30) Chloroform	7.35	83	429099	49.254	ug/l	99
31) Cyclohexane	7.63	56	370831	43.132	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	364335	49.742	ug/l	99
36) 1,1-Dichloropropene	7.77	75	310941	46.699	ug/l	100
37) Ethyl Acetate	6.90	43	384356	51.889	ug/l	100
38) Carbon Tetrachloride	7.75	117	315805	47.653	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059174.D
 Acq On : 11 Nov 2019 20:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 11:20:13 AM

Quant Time: Nov 12 04:16:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	356462	46.128	ug/l	100
40) Benzene	8.02	78	959266	47.842	ug/l	100
41) Methacrylonitrile	7.15	41	155269m	48.205	ug/l	
42) 1,2-Dichloroethane	8.10	62	346430	50.376	ug/l	98
43) Isopropyl Acetate	8.14	43	607161	51.415	ug/l	99
44) Trichloroethene	8.82	130	229015	46.464	ug/l	99
45) 1,2-Dichloropropane	9.10	63	266709	48.972	ug/l	99
46) Dibromomethane	9.19	93	166056	48.930	ug/l	99
47) Bromodichloromethane	9.39	83	342258	50.504	ug/l	98
48) Methyl methacrylate	9.18	41	278690	52.761	ug/l	98
49) 1,4-Dioxane	9.18	88	103355	1101.020	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1970708	294.933	ug/l	99
52) Toluene	10.15	92	587721	48.904	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	386092	49.313	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	409110	48.577	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	240194	49.385	ug/l	99
56) Ethyl methacrylate	10.42	69	384500	47.495	ug/l	97
57) 1,3-Dichloropropane	10.70	76	419903	50.161	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	770851	284.783	ug/l	100
59) 2-Hexanone	10.74	43	1494341	291.371	ug/l	100
60) Dibromochloromethane	10.90	129	263077	51.159	ug/l	100
61) 1,2-Dibromoethane	11.00	107	249749	50.724	ug/l	99
64) Tetrachloroethene	10.63	164	203630	45.570	ug/l	99
65) Chlorobenzene	11.43	112	624671	48.762	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	237141	49.348	ug/l	98
67) Ethyl Benzene	11.51	91	1139631	50.141	ug/l	99
68) m/p-Xylenes	11.62	106	848282	99.635	ug/l	99
69) o-Xylene	11.95	106	408770	49.681	ug/l	99
70) Styrene	11.96	104	684176	52.872	ug/l	100
71) Bromoform	12.13	173	195107	52.197	ug/l #	98
73) Isopropylbenzene	12.25	105	1103904	47.855	ug/l	100
74) N-amyl acetate	12.07	43	515473	52.735	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	386663	49.221	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	376394m	52.133	ug/l	
77) Bromobenzene	12.53	156	270173	46.617	ug/l	99
78) n-propylbenzene	12.59	91	1304229	49.379	ug/l	100
79) 2-Chlorotoluene	12.67	91	775722	47.343	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	949268	48.564	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	136556	49.957	ug/l	98
82) 4-Chlorotoluene	12.77	91	795632	48.414	ug/l	99
83) tert-Butylbenzene	12.99	119	800426	47.419	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	937627	49.581	ug/l	99
85) sec-Butylbenzene	13.17	105	1076361	49.030	ug/l	100
86) p-Isopropyltoluene	13.29	119	974074	50.251	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	476154	47.978	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	472509	47.585	ug/l	100
89) n-Butylbenzene	13.62	91	840031	49.514	ug/l	99
90) Hexachloroethane	13.88	117	184335	47.358	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	477429	48.903	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83299	53.147	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
Data File : VN059174.D
Acq On : 11 Nov 2019 20:04
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
11/12/2019 11:20:13 AM

Quant Time: Nov 12 04:16:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	267414	45.442	ug/l	99
94) Hexachlorobutadiene	15.01	225	153993	45.746	ug/l	99
95) Naphthalene	15.13	128	772151	47.170	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	268704	49.112	ug/l	99

(#) = 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: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 449255

Ion Ratio Lower Upper

168 100

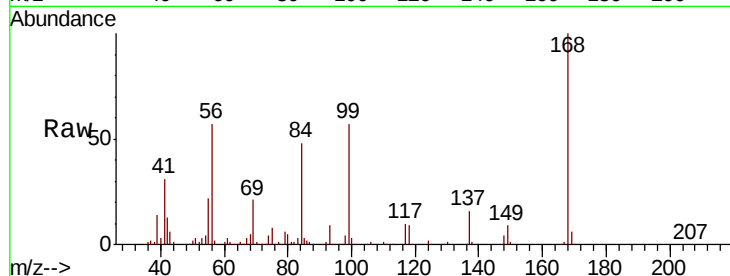
99 56.4 45.7 68.5

Manual Integrations

APPROVED

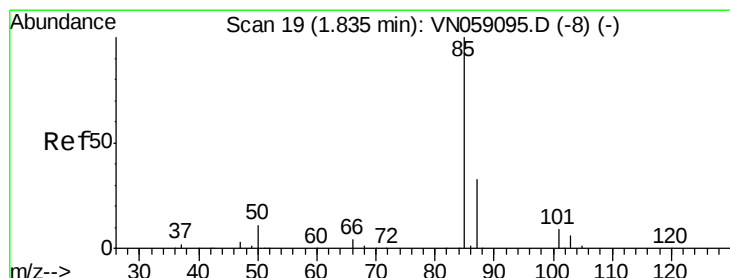
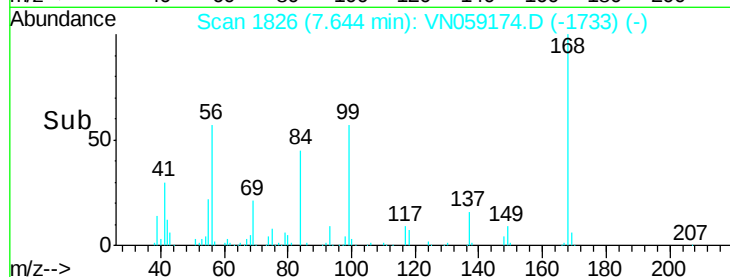
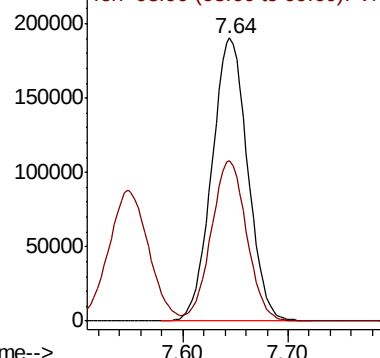
MMDadoda

11/12/2019 11:20:13 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.864 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059174.D

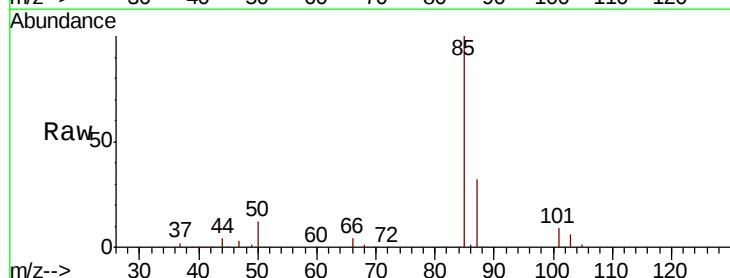
Acq: 11 Nov 2019 20:04

Tgt Ion: 85 Resp: 194020

Ion Ratio Lower Upper

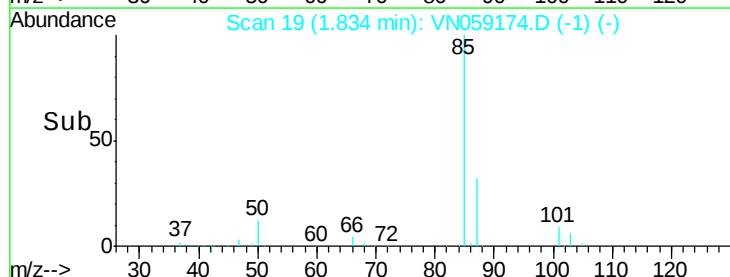
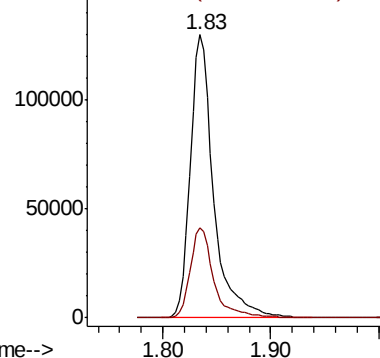
85 100

87 32.0 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: 44.080 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 271221

Ion Ratio Lower Upper

50 100

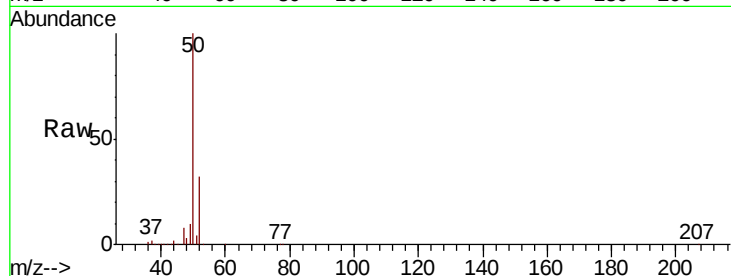
52 32.4 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

11/12/2019 11:20:13 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

200000

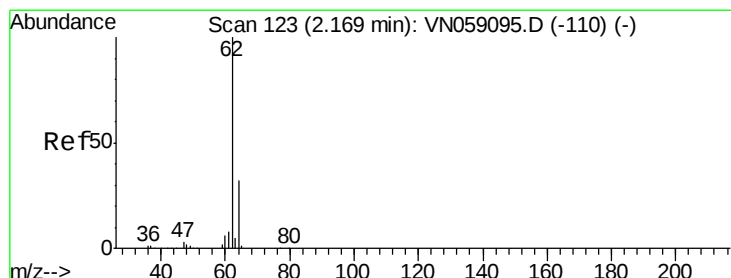
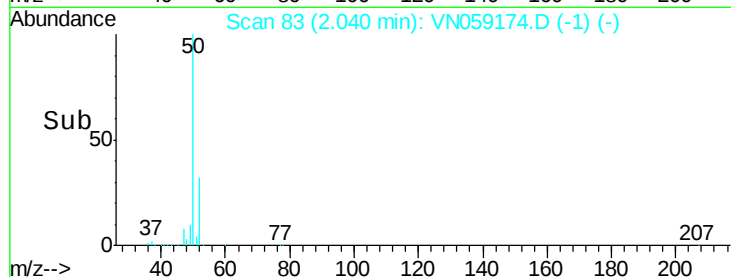
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.413 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059174.D

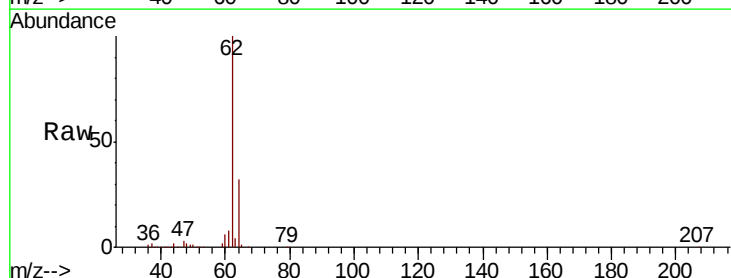
Acq: 11 Nov 2019 20:04

Tgt Ion: 62 Resp: 276874

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

200000

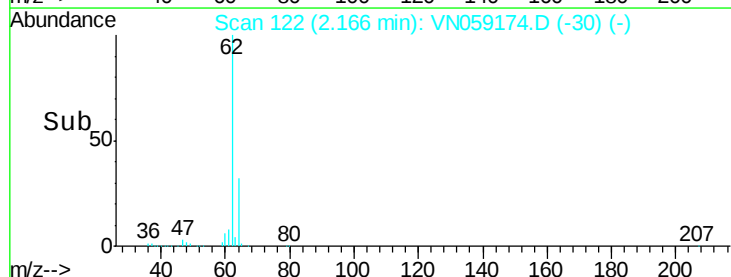
150000

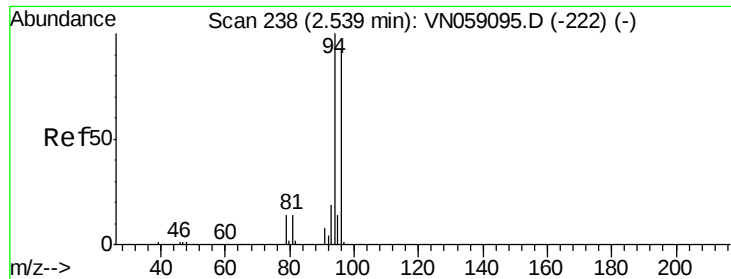
100000

50000

0

Time-->





#5

Bromomethane

Concen: 44.775 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 153705

Ion Ratio Lower Upper

94 100

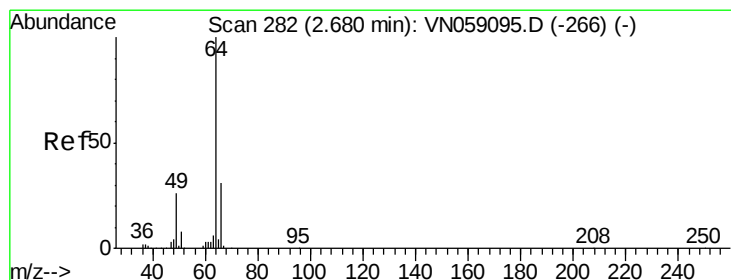
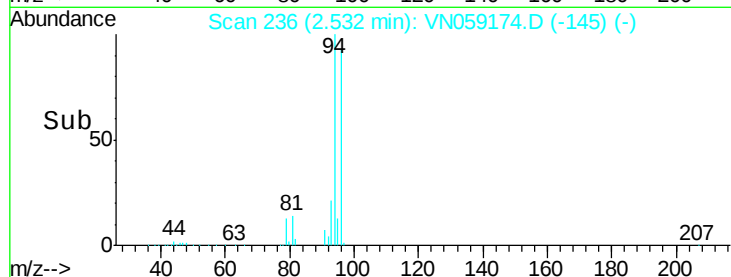
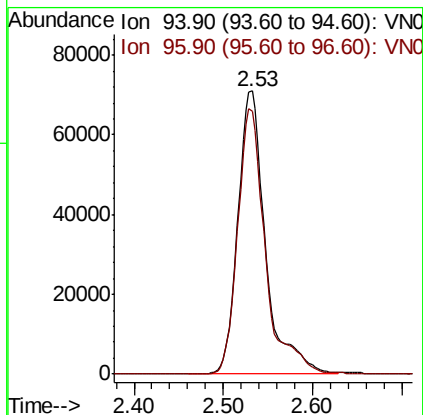
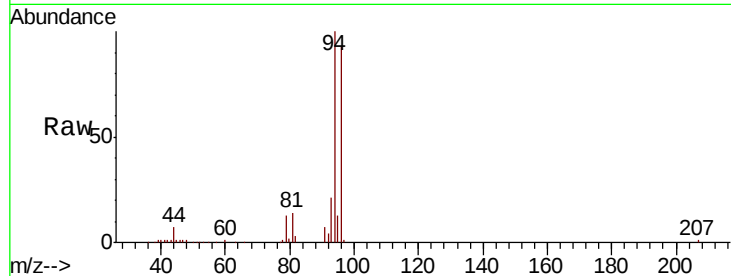
96 93.1 74.2 111.2

Manual Integrations

APPROVED

MMDadoda

11/12/2019 11:20:13 AM



#6

Chloroethane

Concen: 47.179 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN059174.D

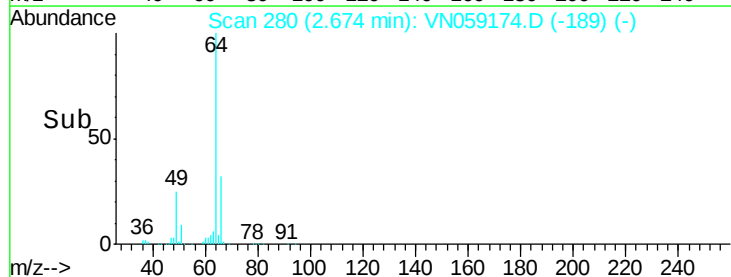
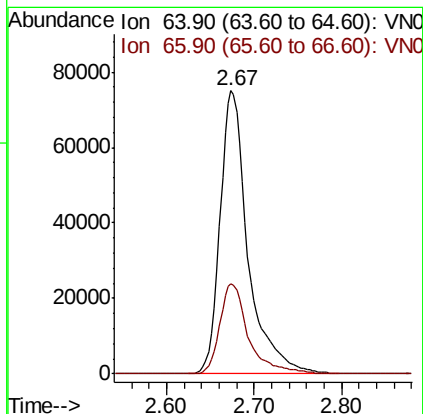
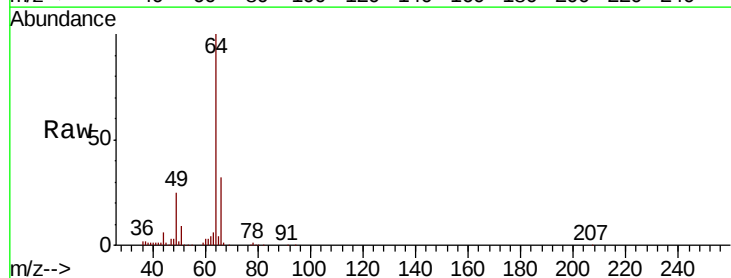
Acq: 11 Nov 2019 20:04

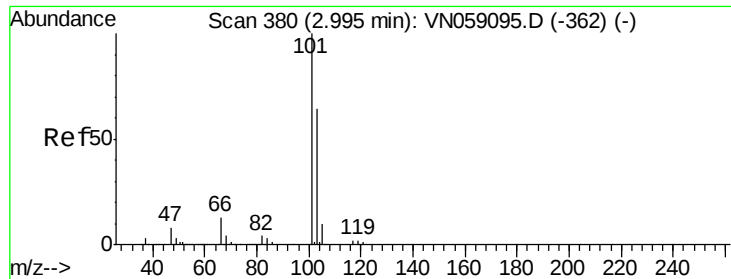
Tgt Ion: 64 Resp: 166487

Ion Ratio Lower Upper

64 100

66 31.9 25.2 37.8





#7

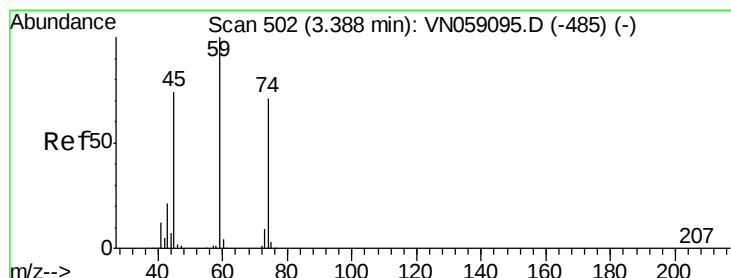
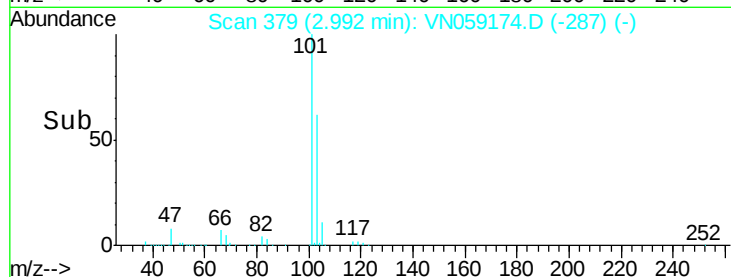
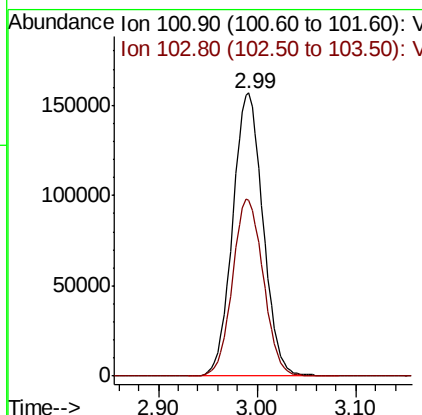
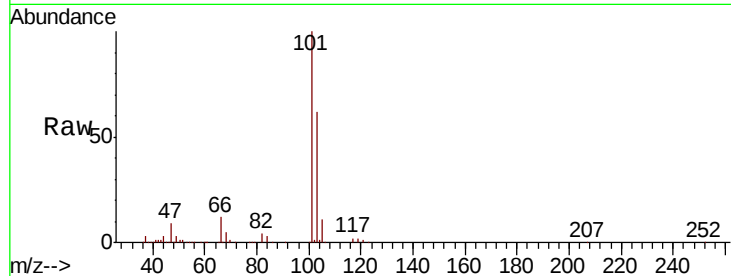
Trichlorofluoromethane
Concen: 47.003 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	51.2	76.8

Manual Integrations
APPROVED

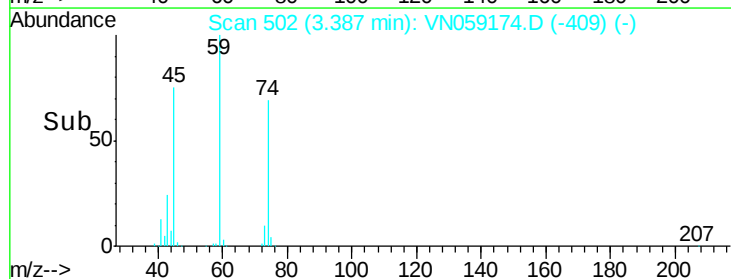
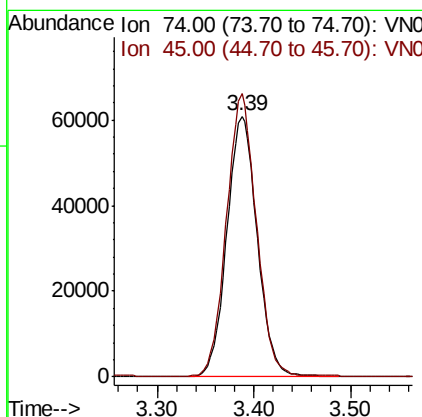
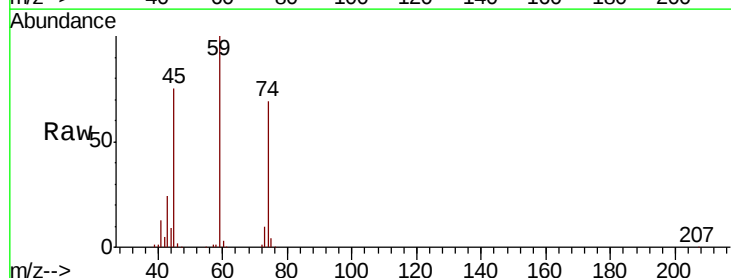
MMDadoda
11/12/2019 11:20:13 AM

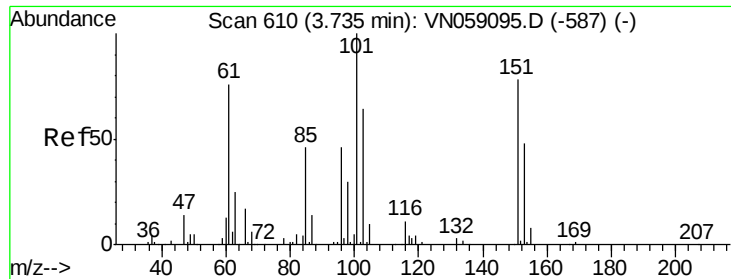


#8

Diethyl Ether
Concen: 45.765 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.6	51.6	154.9





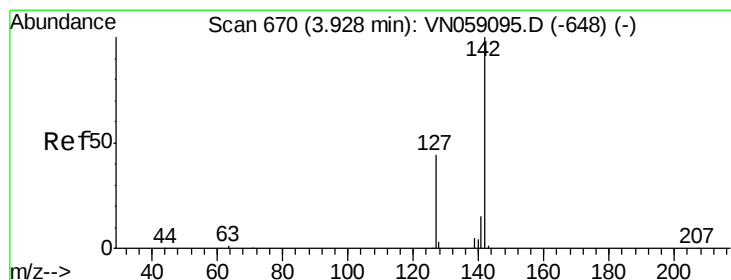
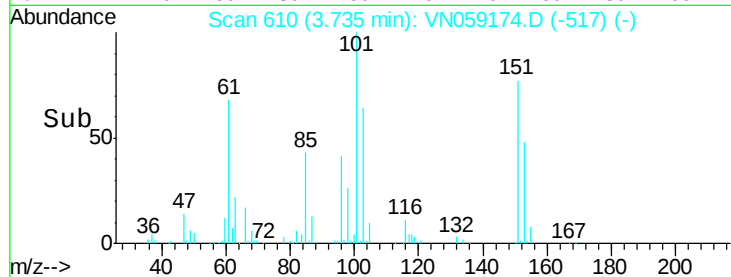
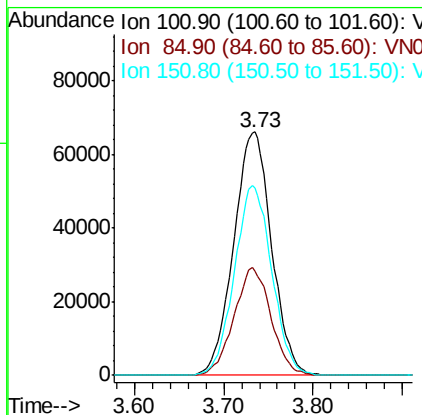
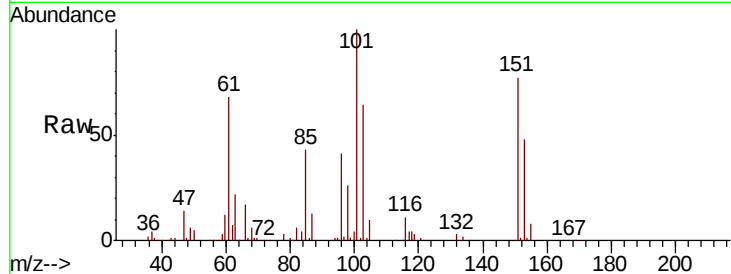
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.303 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	194902		
85	43.2	35.5	53.3	
151	76.9	62.2	93.2	

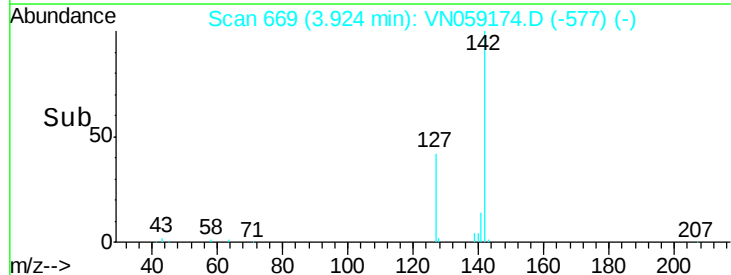
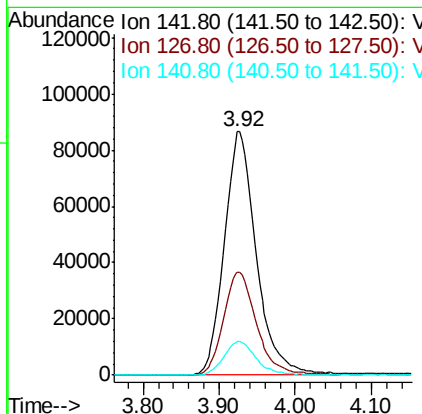
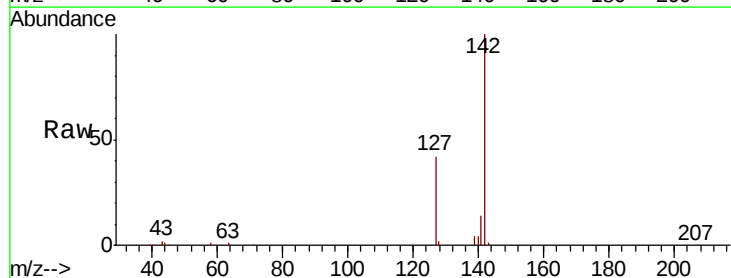
Manual Integrations
 APPROVED

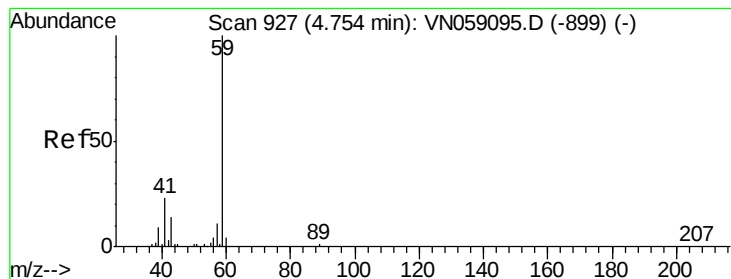
MMDadoda
 11/12/2019 11:20:13 AM



#10
 Methyl Iodide
 Concen: 47.670 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	253849		
127	43.5	34.2	51.2	
141	13.8	11.4	17.0	





#11

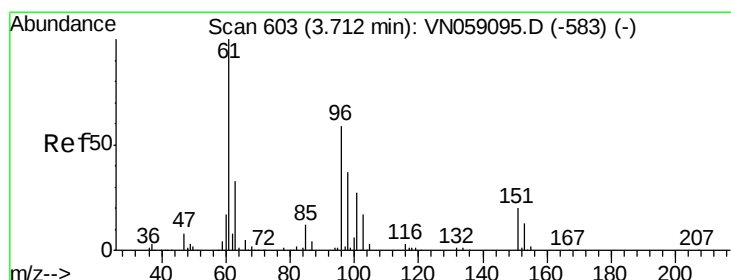
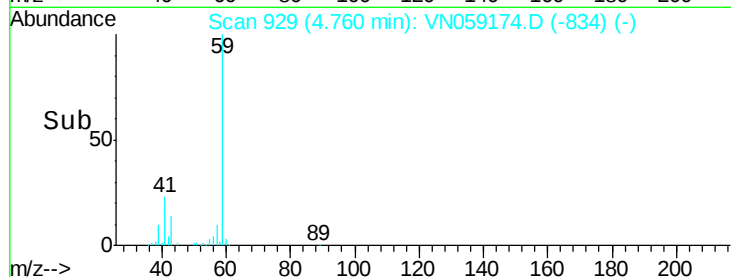
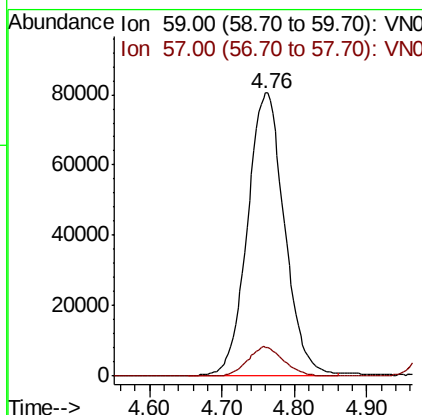
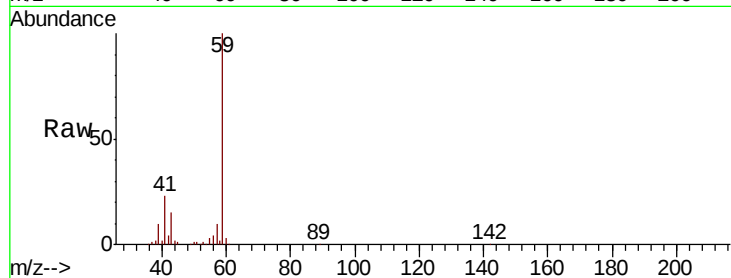
Tert butyl alcohol
Concen: 272.523 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5

Manual Integrations
APPROVED

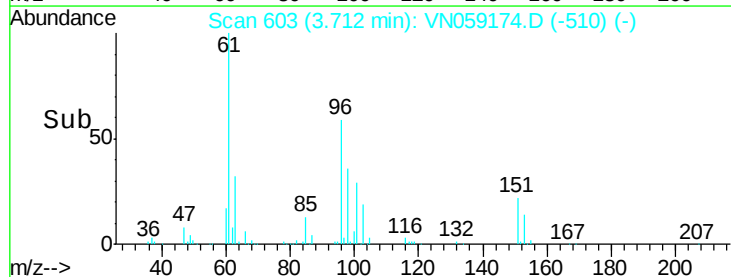
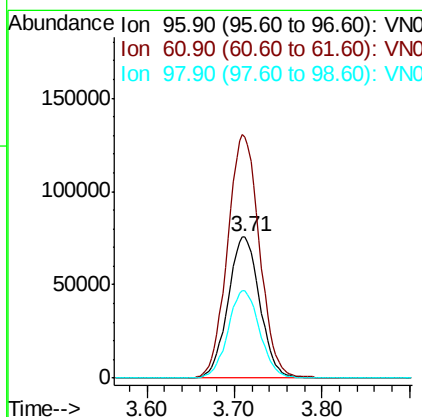
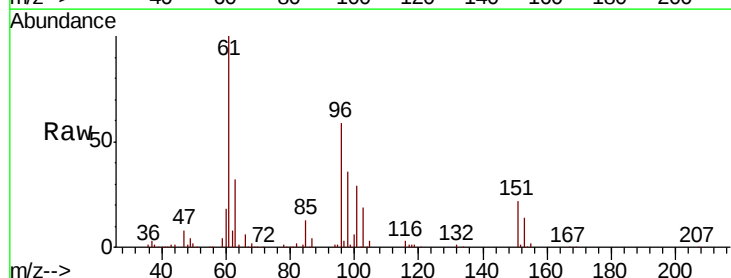
MMDadoda
11/12/2019 11:20:13 AM

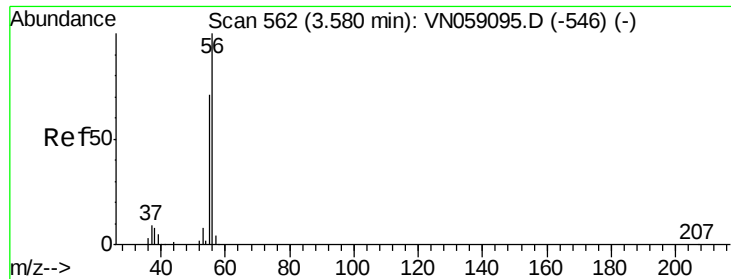


#12

1,1-Dichloroethene
Concen: 45.545 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.2	136.5	204.7
98	61.6	50.2	75.4





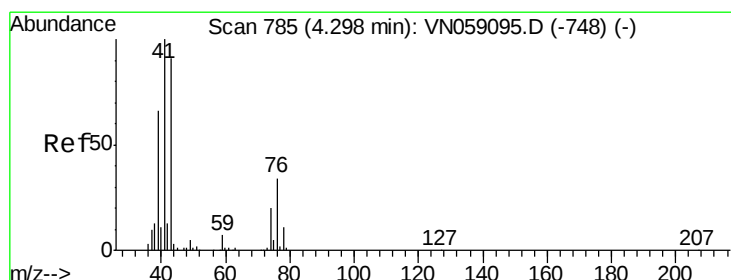
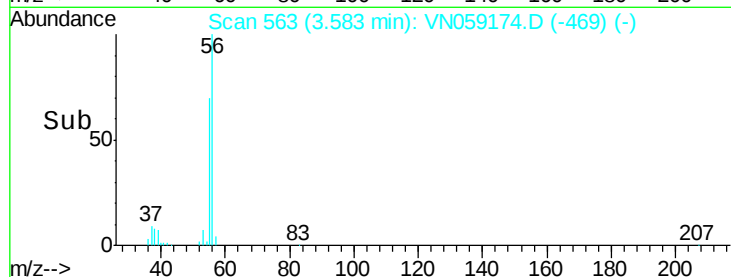
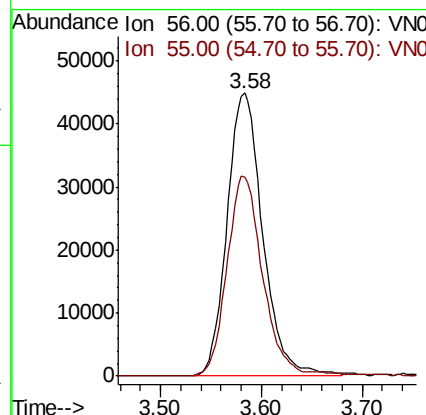
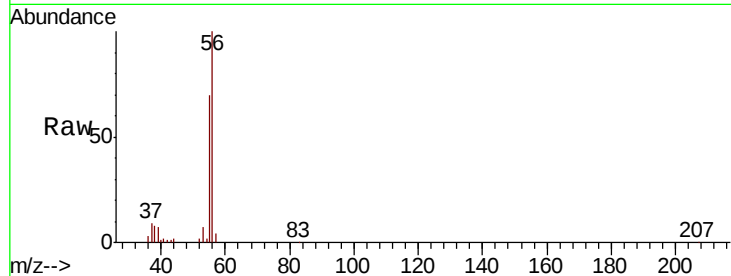
#13
Acrolein
Concen: 203.989 ug/l
RT: 3.58 min Scan# 563
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	110691
Ion Ratio	100	Lower	Upper
55	70.1	56.4	84.6

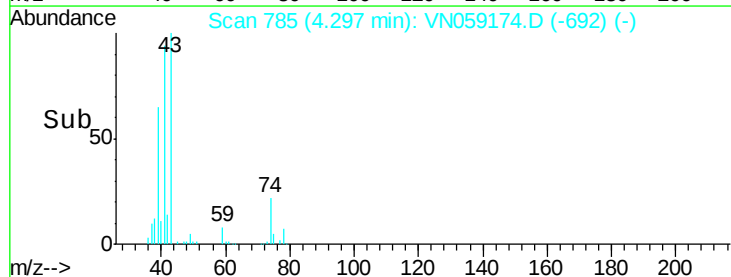
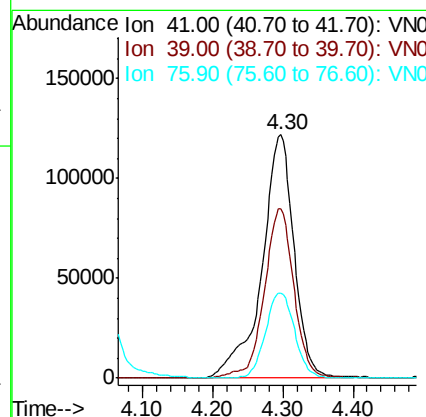
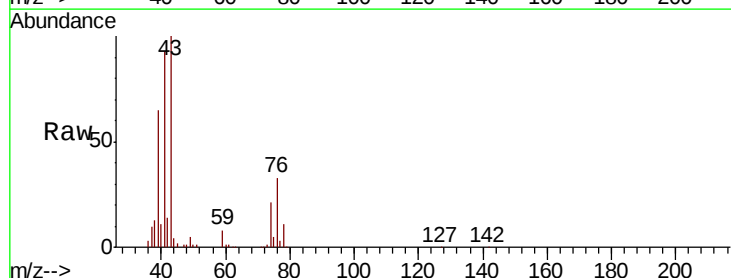
Manual Integrations
APPROVED

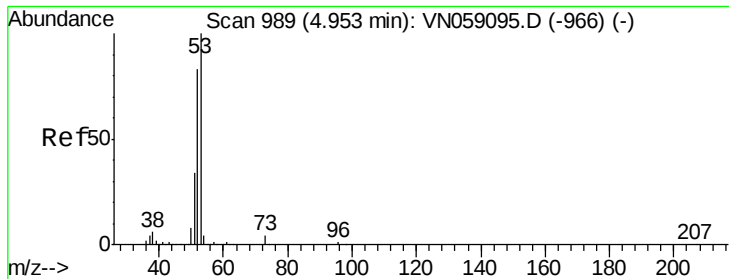
MMDadoda
11/12/2019 11:20:13 AM



#14
Allyl chloride
Concen: 45.081 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	41	Resp	388082
Ion Ratio	100	Lower	Upper
39	64.3	49.1	73.7
76	31.4	24.9	37.3





#15

Acrylonitrile

Concen: 265.362 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

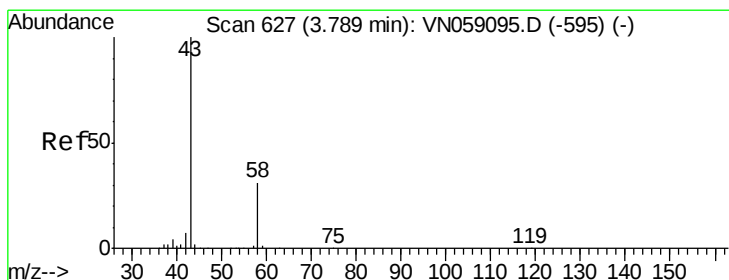
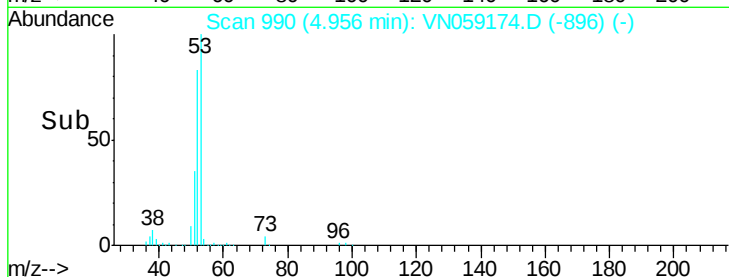
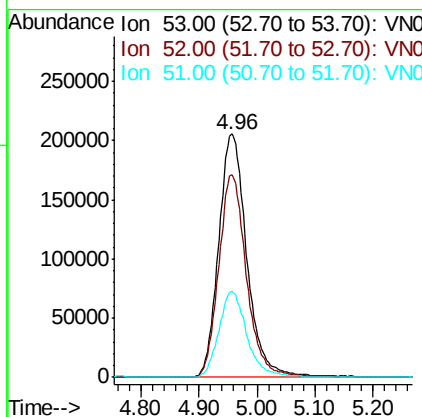
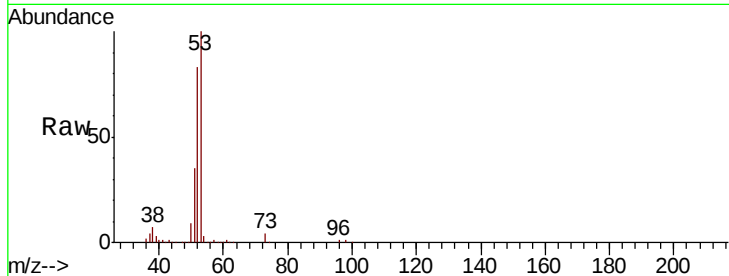
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	695045
Ion Ratio		Lower	Upper
53	100		
52	82.3	65.0	97.6
51	35.5	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
11/12/2019 11:20:13 AM



#16

Acetone

Concen: 221.168 ug/l

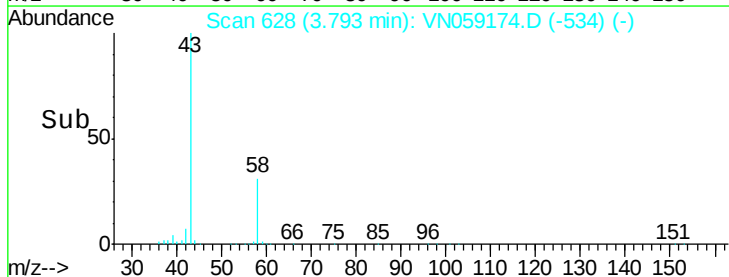
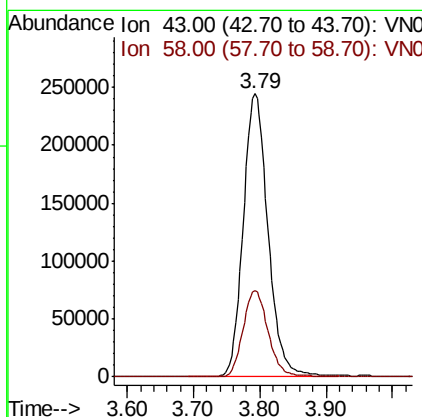
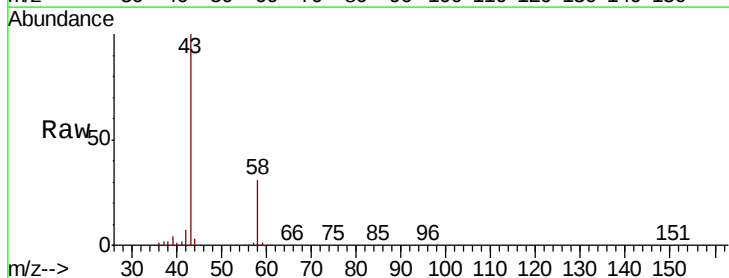
RT: 3.79 min Scan# 628

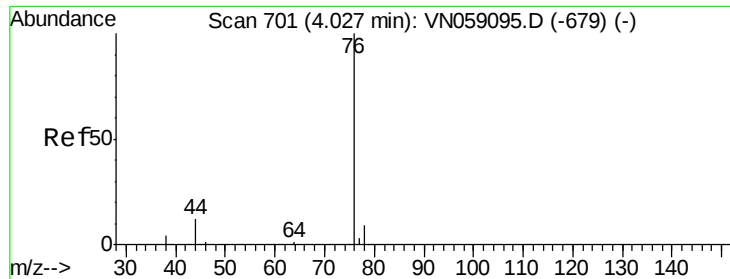
Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Tgt Ion:	43	Resp:	635151
Ion Ratio		Lower	Upper
43	100		
58	30.5	24.9	37.3





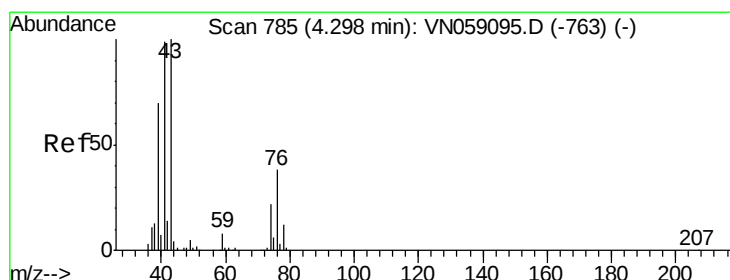
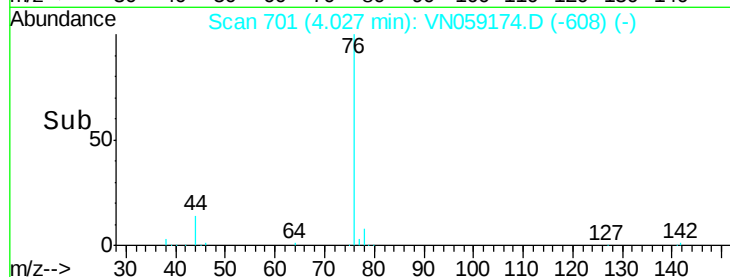
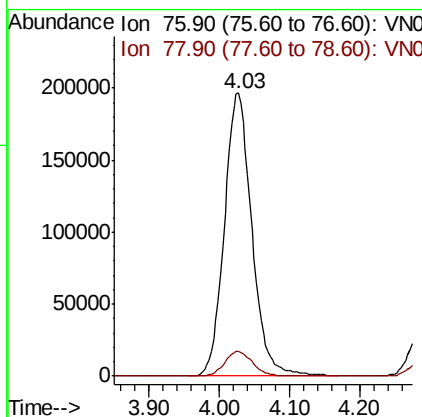
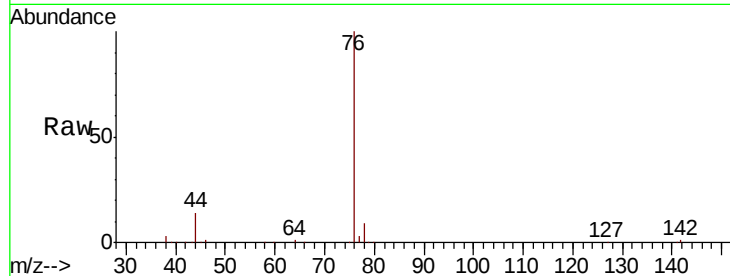
#17
Carbon Disulfide
Concen: 41.175 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

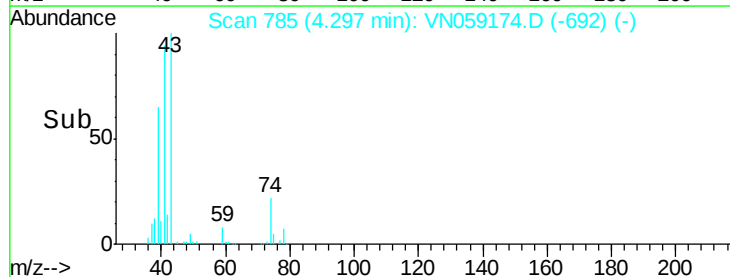
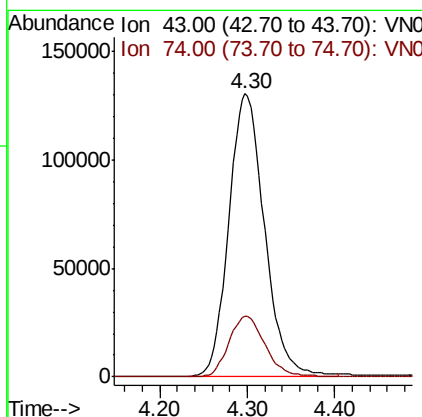
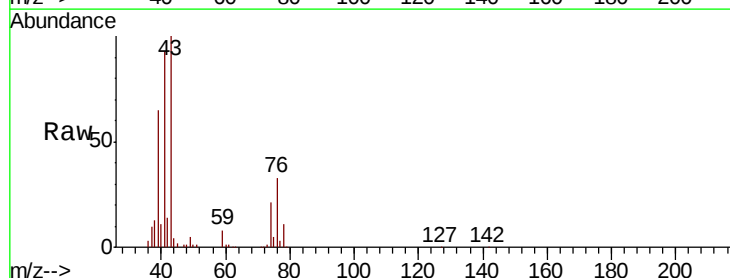
Manual Integrations
APPROVED

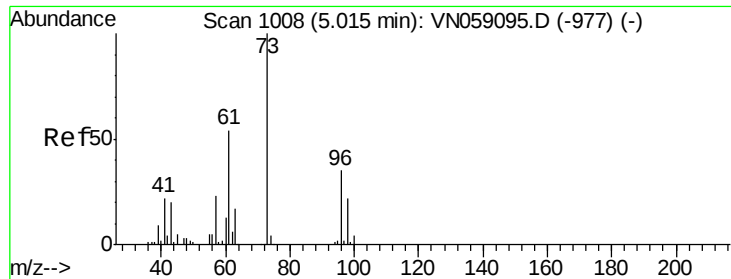
MMDadoda
11/12/2019 11:20:13 AM



#18
Methyl Acetate
Concen: 53.780 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.8	26.8





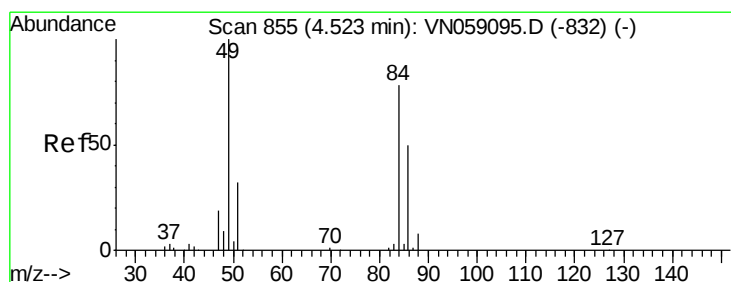
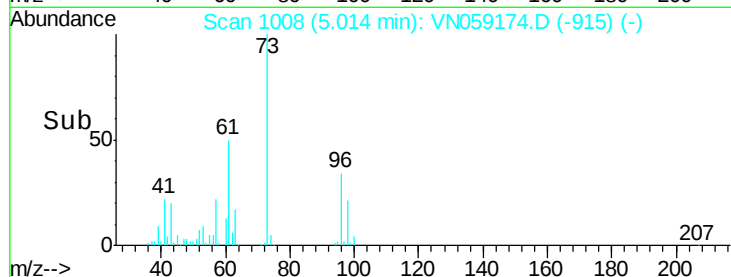
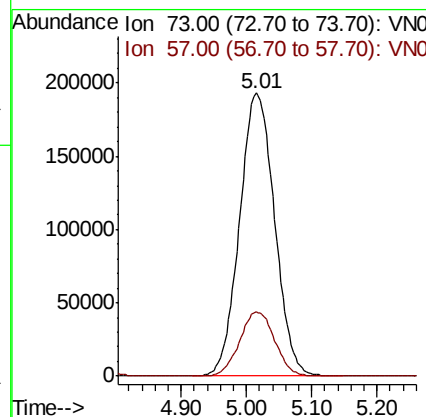
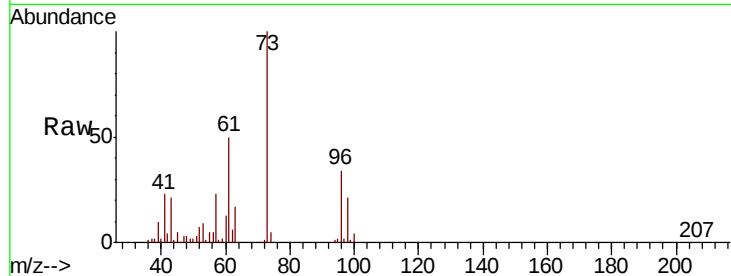
#19
Methvl tert-butvl Ether
Concen: 49.903 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 720029
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6

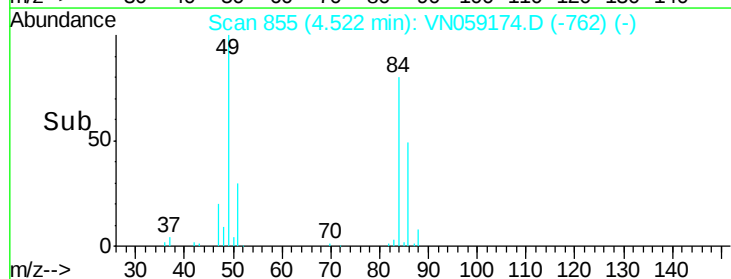
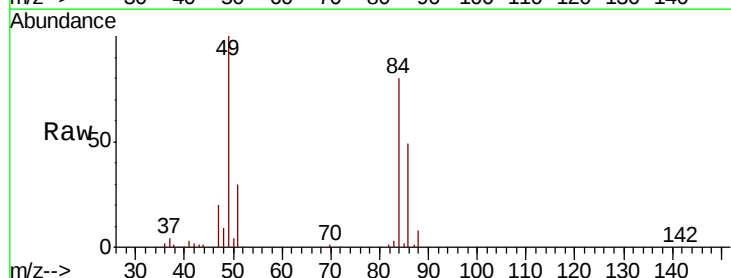
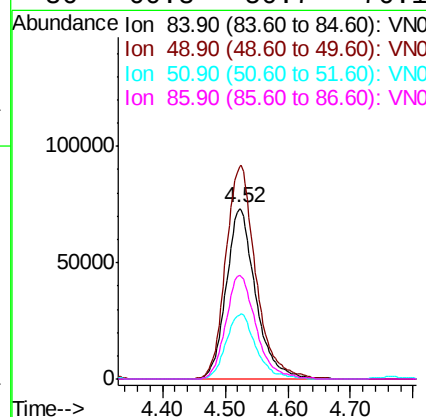
Manual Integrations
APPROVED

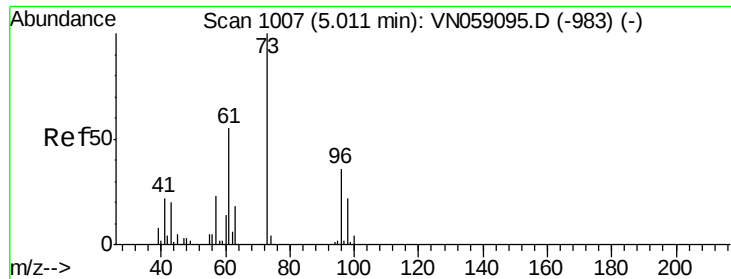
MMDadoda
11/12/2019 11:20:13 AM



#20
Methylene Chloride
Concen: 47.688 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion: 84 Resp: 238592
Ion Ratio Lower Upper
84 100
49 124.5 102.0 153.0
51 37.7 32.2 48.2
86 60.8 50.7 76.1





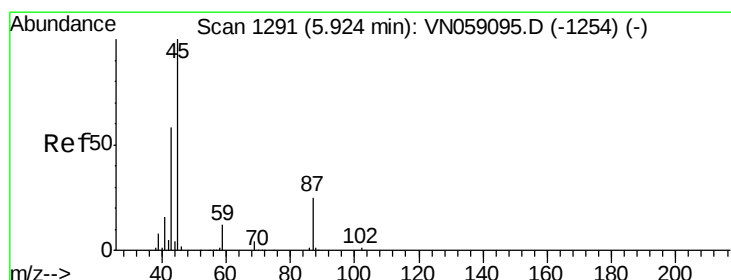
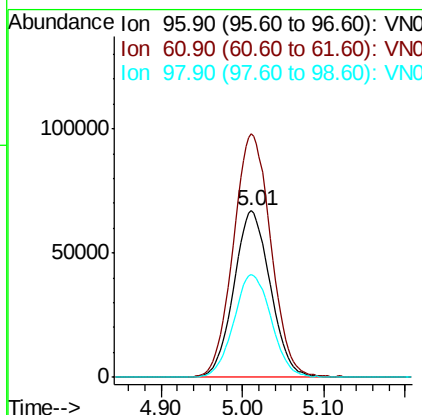
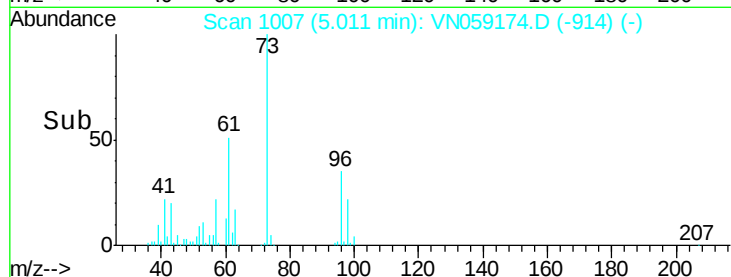
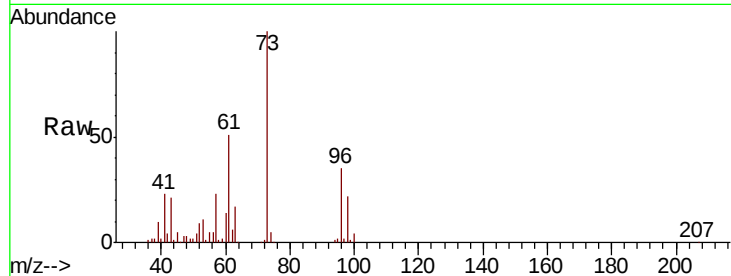
#21
trans-1,2-Dichloroethene
Concen: 46.265 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.0	122.6	183.8
98	61.6	50.3	75.5

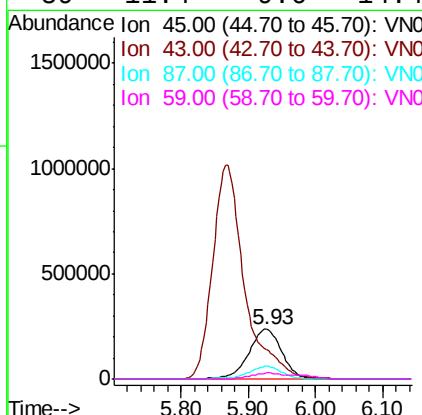
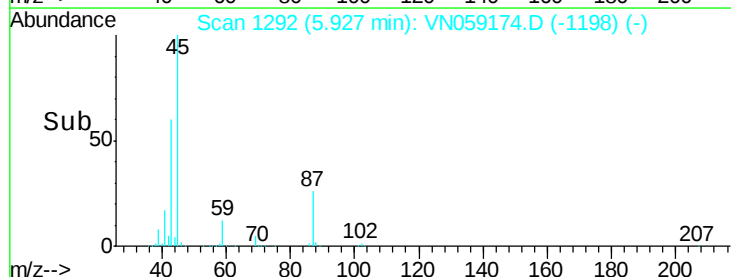
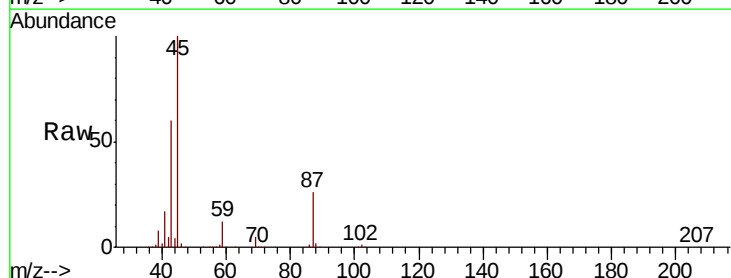
Manual Integrations
APPROVED

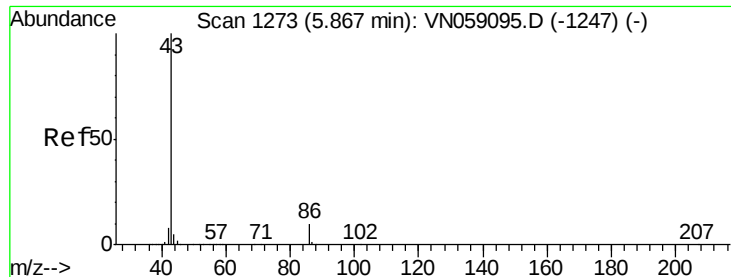
MMDadoda
11/12/2019 11:20:13 AM



#22
Diisopropyl ether
Concen: 49.597 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.7	46.7	70.1
87	25.9	20.5	30.7
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 267.038 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3365218

Ion Ratio Lower Upper

43 100

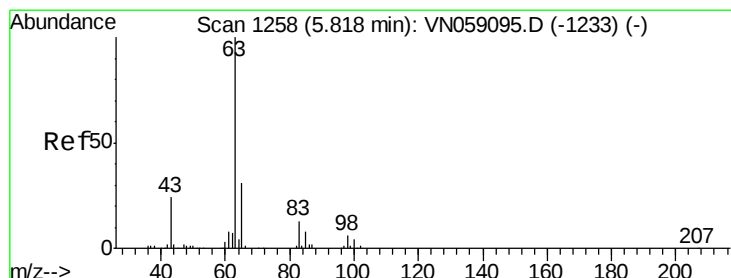
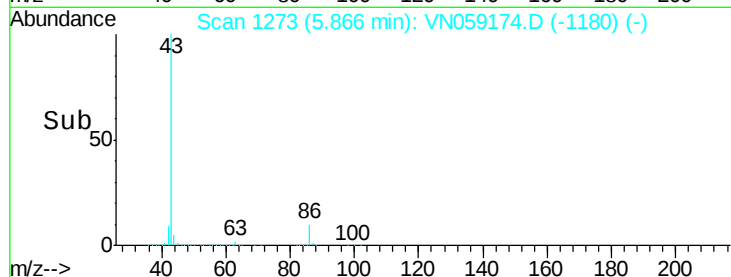
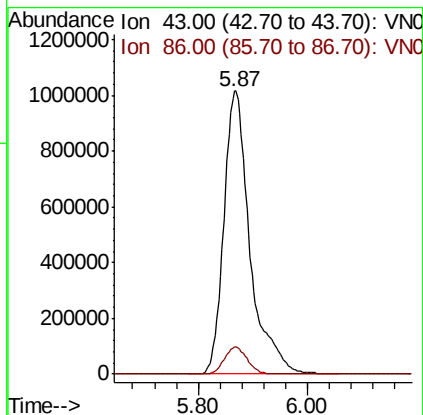
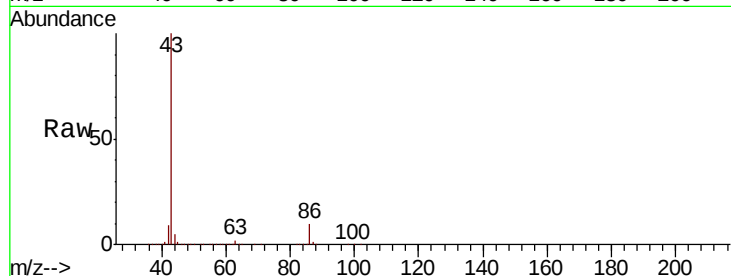
86 9.7 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

11/12/2019 11:20:13 AM



#24

1,1-Dichloroethane

Concen: 47.901 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

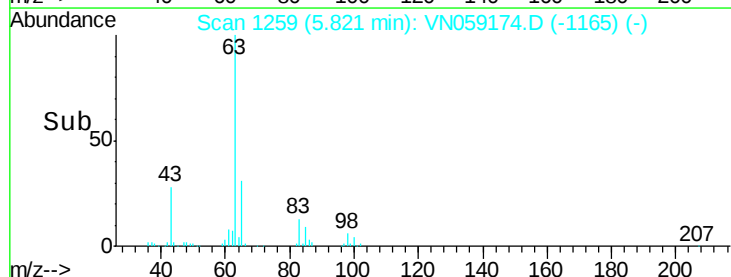
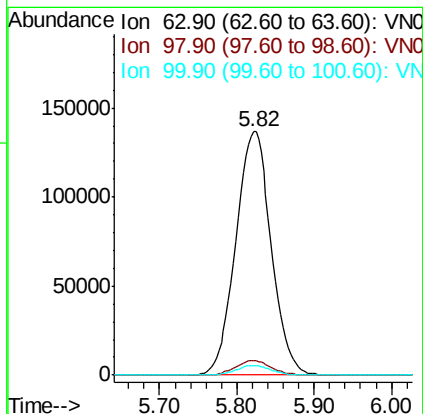
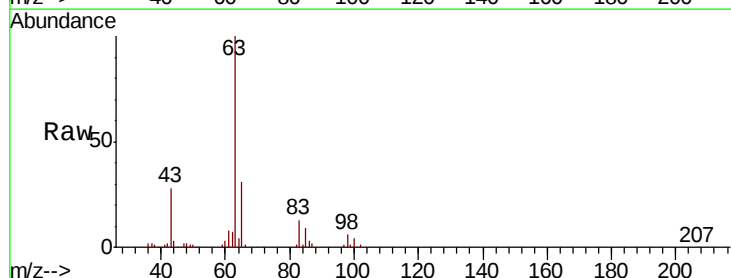
Tgt Ion: 63 Resp: 435025

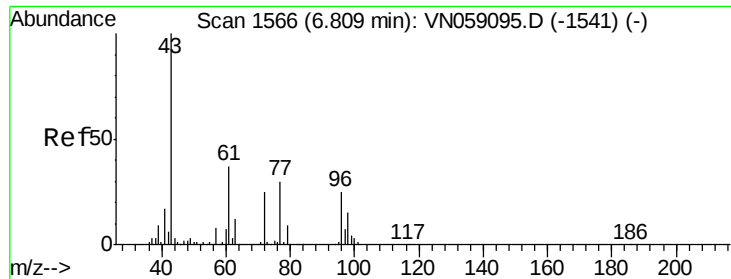
Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 3.9 1.9 5.7





#25

2-Butanone

Concen: 257.709 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 975397

Ion Ratio Lower Upper

43 100

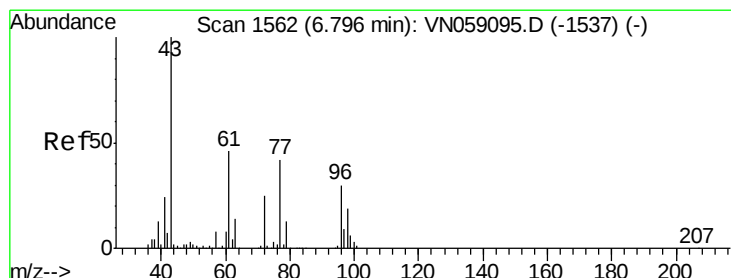
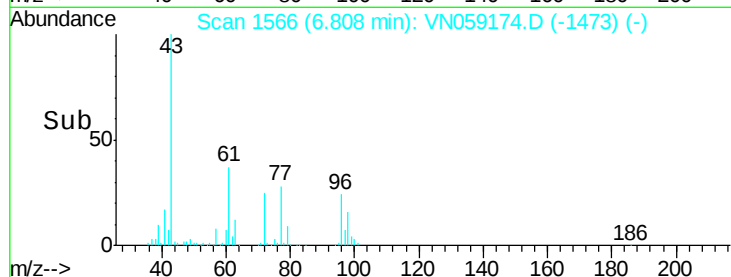
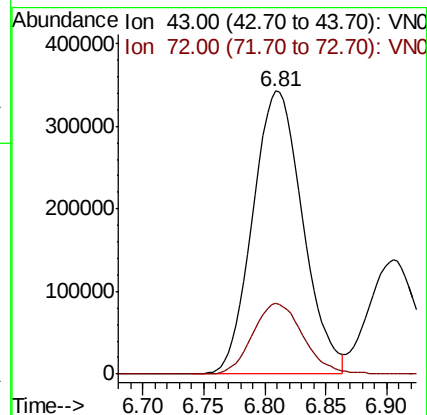
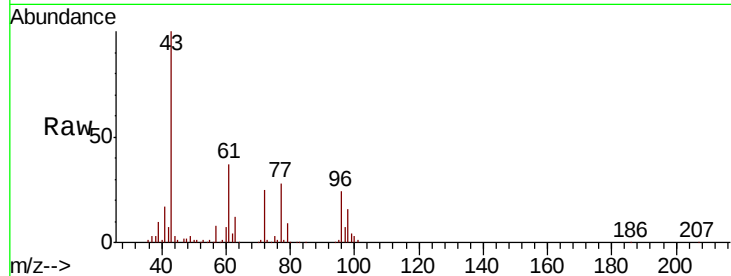
72 25.0 20.3 30.5

Manual Integrations

APPROVED

MMDadoda

11/12/2019 11:20:13 AM



#26

2,2-Dichloropropane

Concen: 43.726 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059174.D

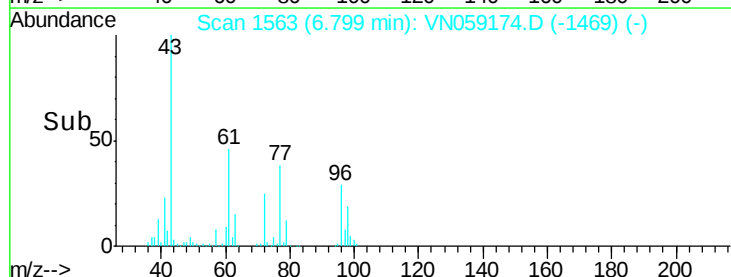
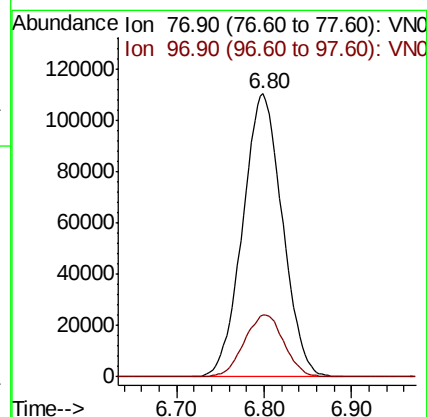
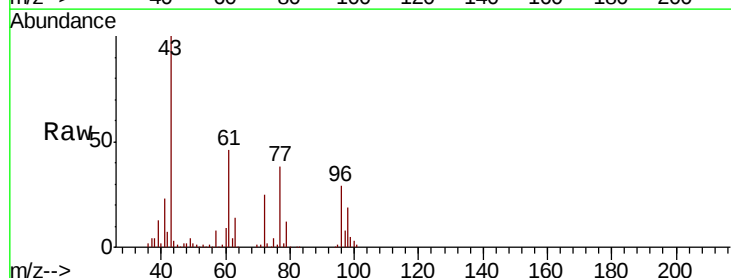
Acq: 11 Nov 2019 20:04

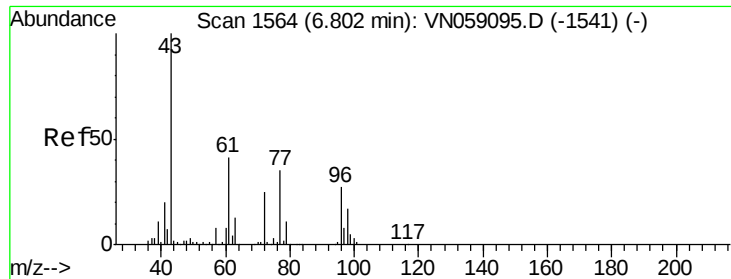
Tgt Ion: 77 Resp: 347235

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 47.551 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

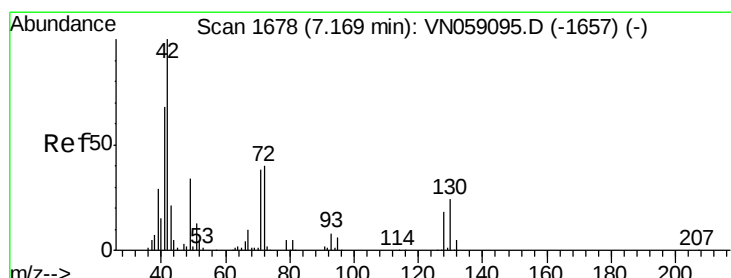
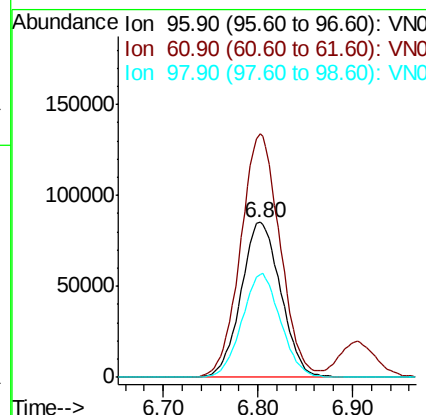
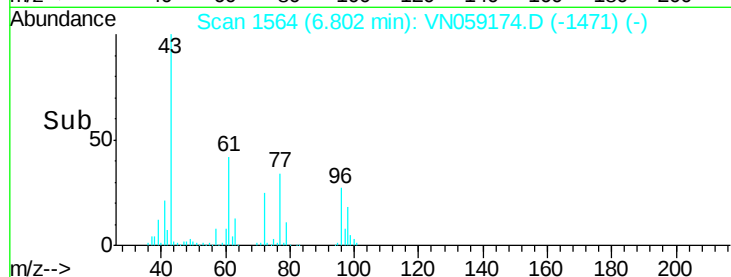
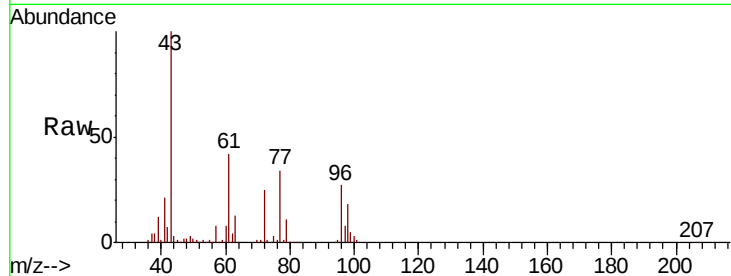
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	248168
Ion Ratio	Lower	Upper	
96	100		
61	155.4	0.0	311.6
98	65.0	0.0	129.8

Manual Integrations
APPROVED

MMDadoda
11/12/2019 11:20:13 AM



#28

Bromochloromethane

Concen: 48.151 ug/l

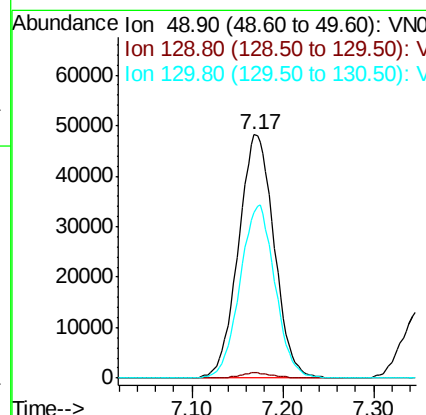
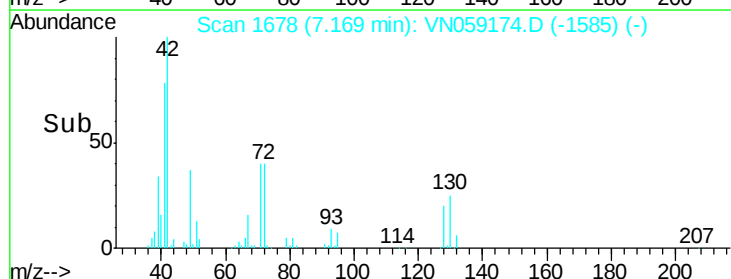
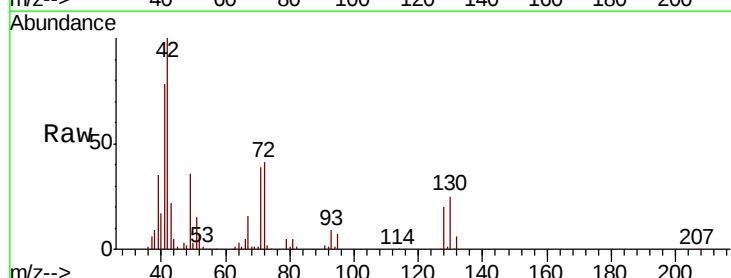
RT: 7.17 min Scan# 1678

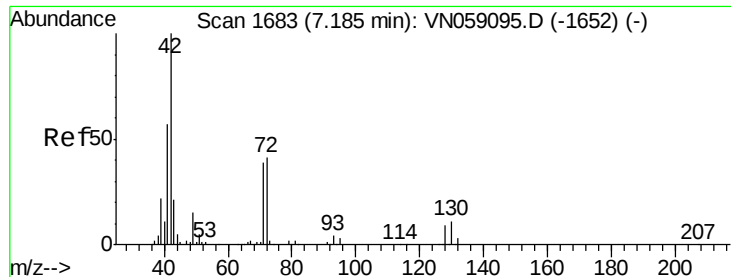
Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Tgt Ion:	49	Resp:	131563
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.8
130	69.5	55.6	83.4





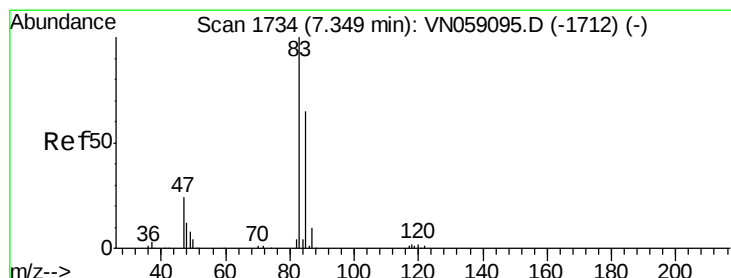
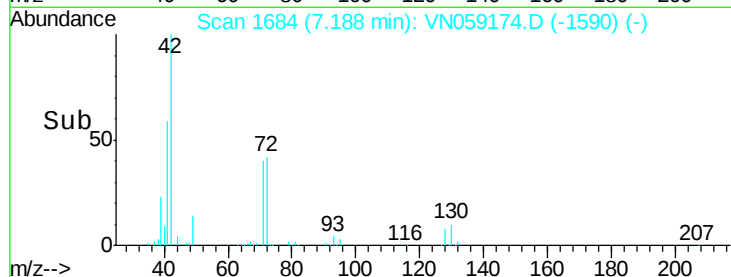
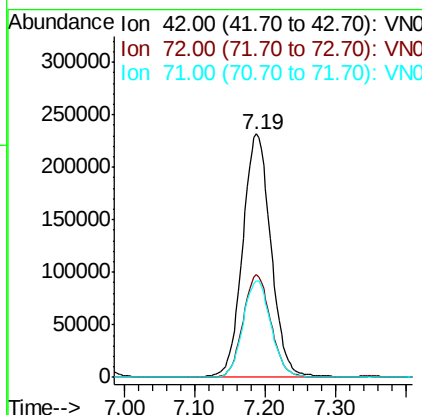
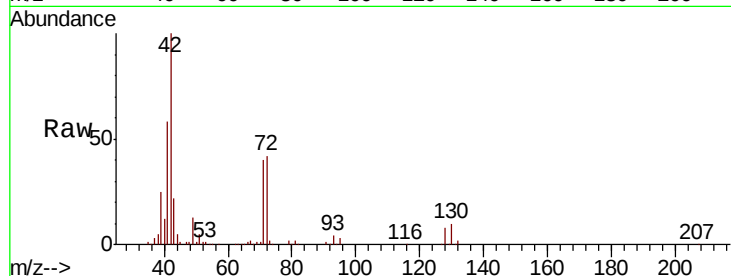
#29
Tetrahydrofuran
Concen: 268.651 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.1	49.7
71	39.2	30.9	46.3

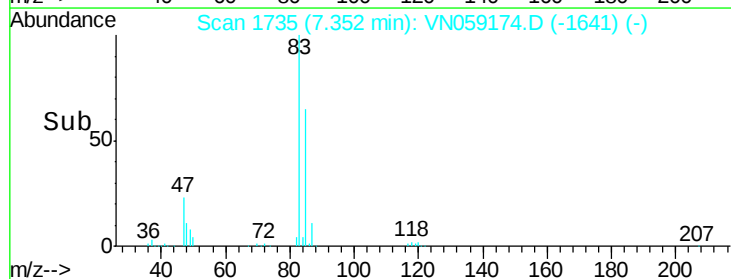
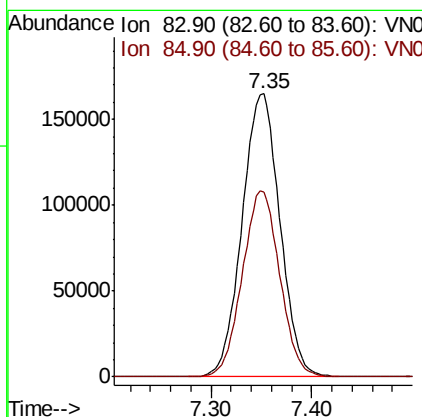
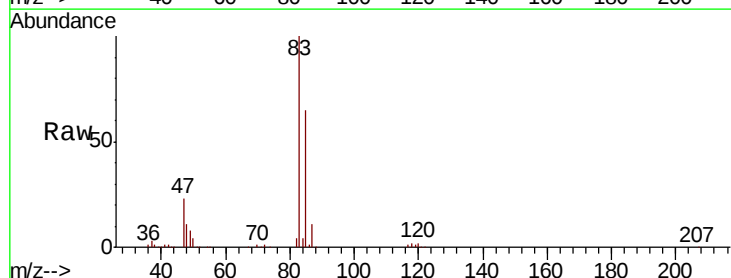
Manual Integrations
APPROVED

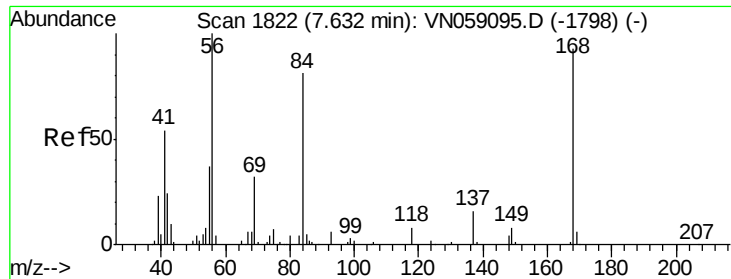
MMDadoda
11/12/2019 11:20:13 AM



#30
Chloroform
Concen: 49.254 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.8





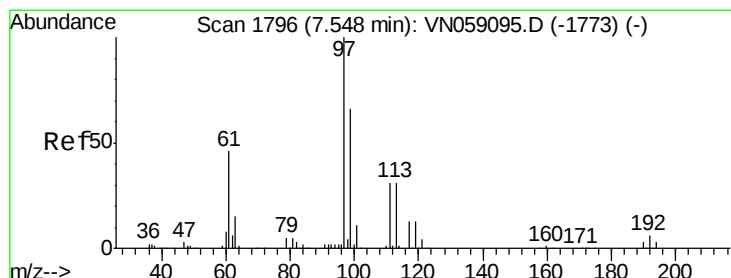
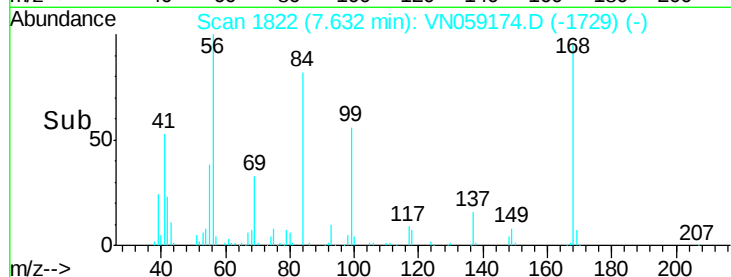
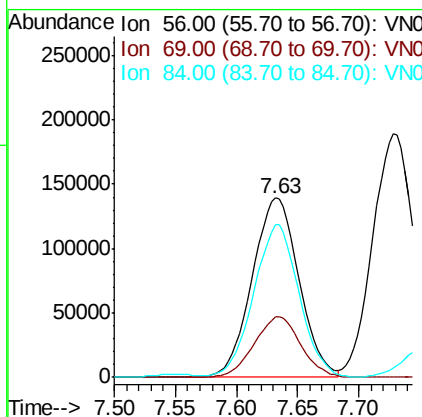
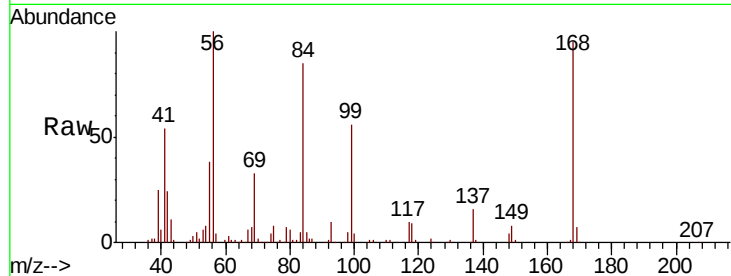
#31
Cyclohexane
Concen: 43.132 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.8	38.8
84	83.4	65.0	97.4

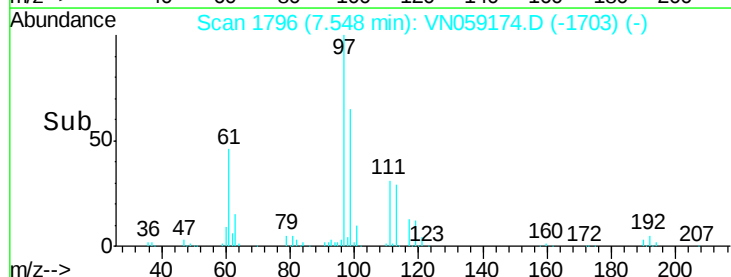
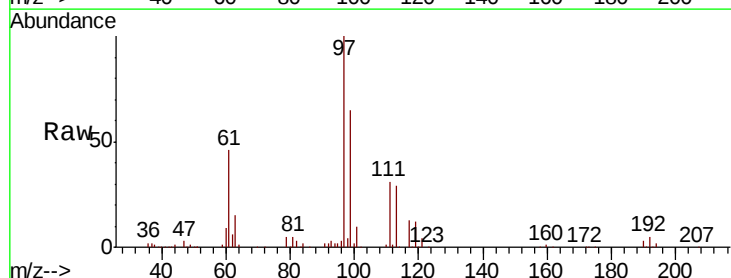
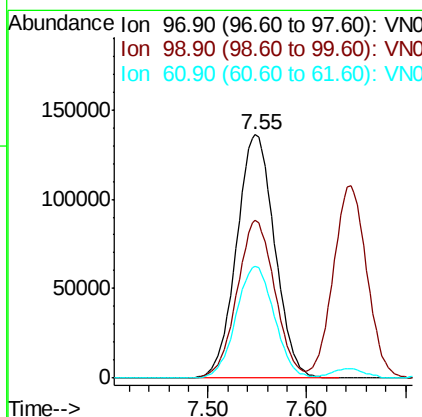
Manual Integrations
APPROVED

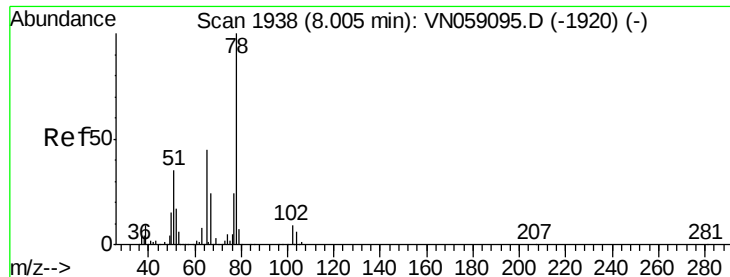
MMDadoda
11/12/2019 11:20:13 AM



#32
1,1,1-Trichloroethane
Concen: 49.742 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	45.9	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 51.361 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 283643

Ion Ratio Lower Upper

65 100

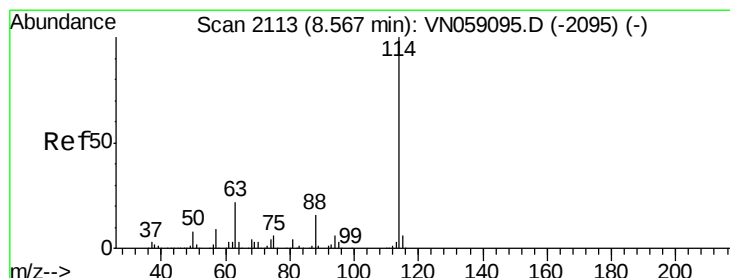
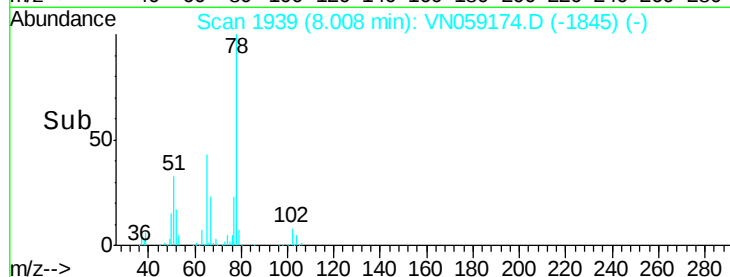
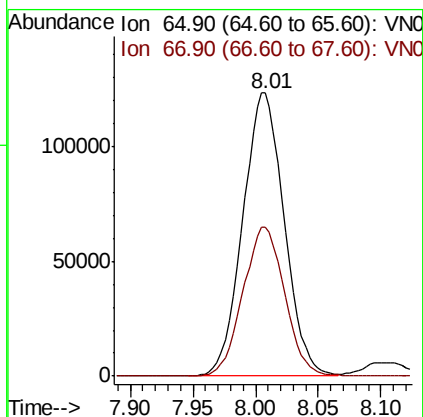
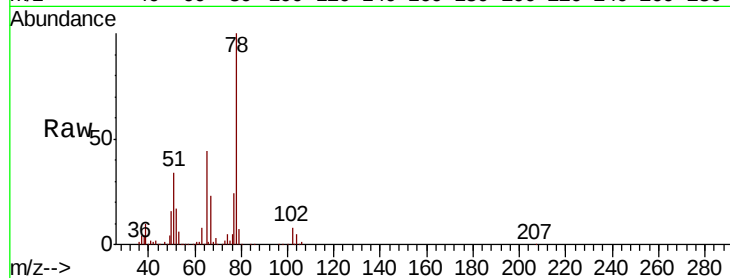
67 53.0 0.0 107.4

Manual Integrations

APPROVED

MMDadoda

11/12/2019 11:20:13 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

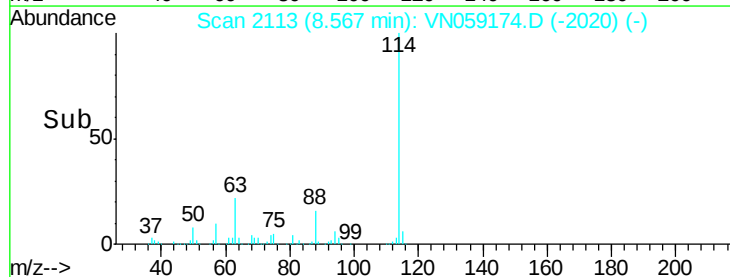
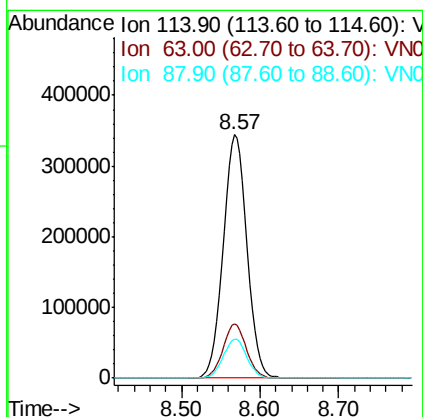
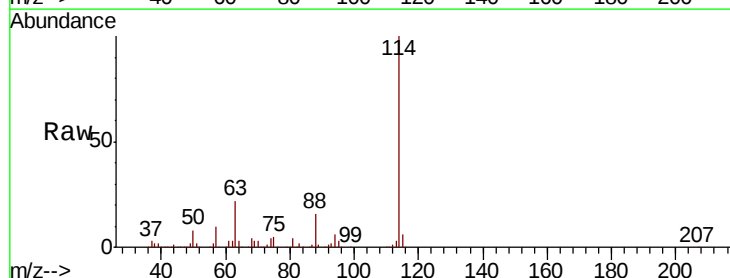
Tgt Ion: 114 Resp: 712353

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.4

88 16.1 0.0 32.2





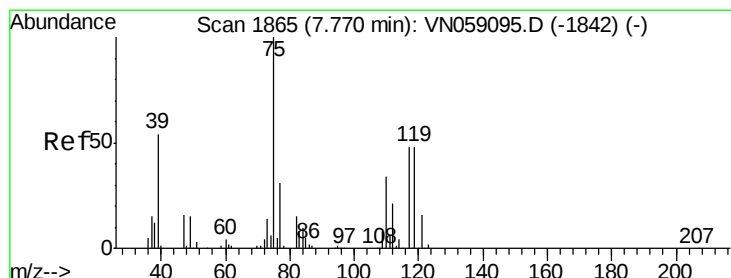
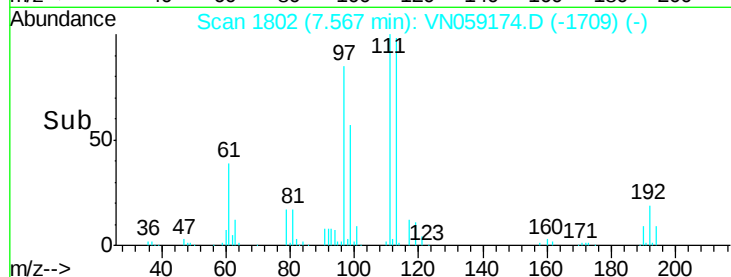
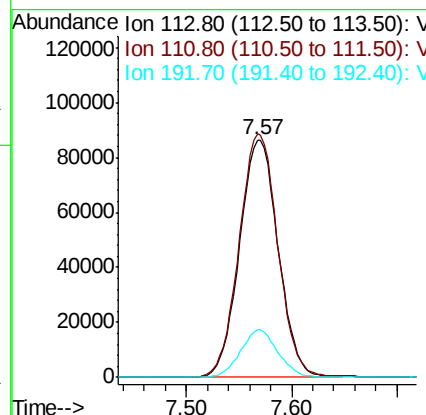
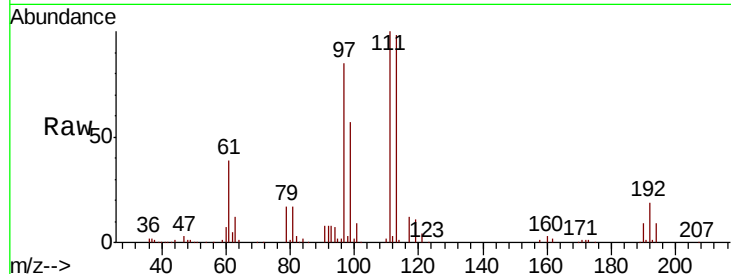
#35
 Dibromofluoromethane
 Concen: 51.778 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	220233		
111	102.9	82.8	124.2	
192	19.3	16.1	24.1	

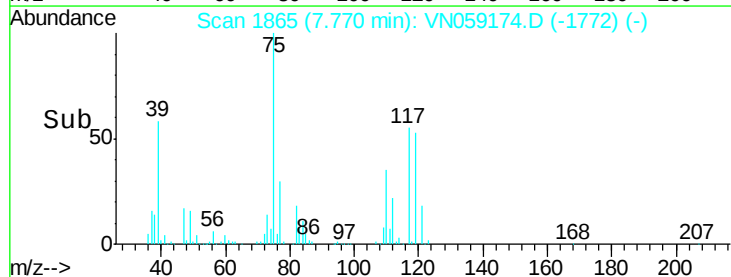
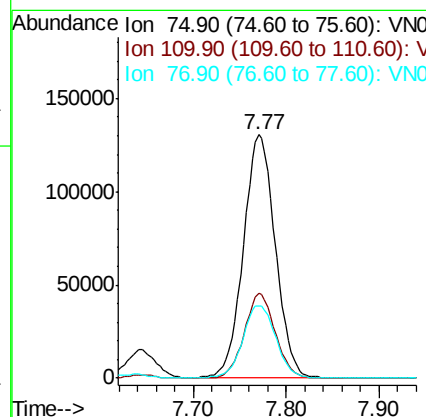
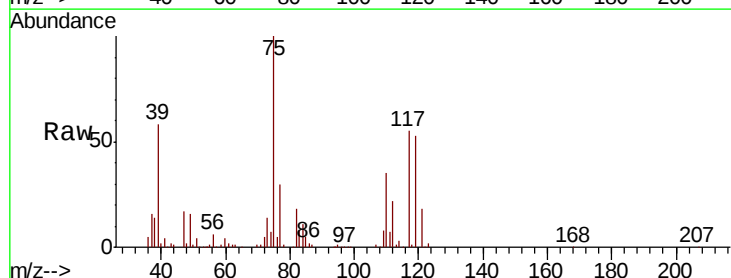
Manual Integrations
 APPROVED

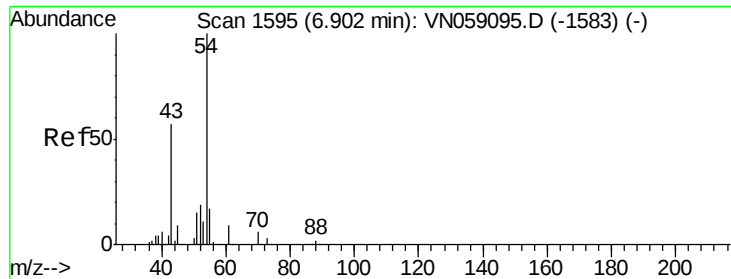
MMDadoda
 11/12/2019 11:20:13 AM



#36
 1,1-Dichloropropene
 Concen: 46.699 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	310941		
110	33.8	17.1	51.2	
77	30.9	24.8	37.2	





#37

Ethyl Acetate

Concen: 51.889 ug/l

RT: 6.90 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

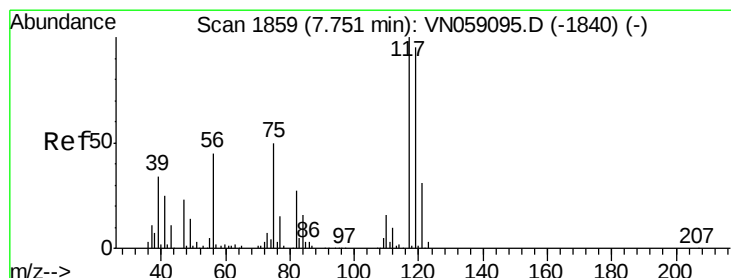
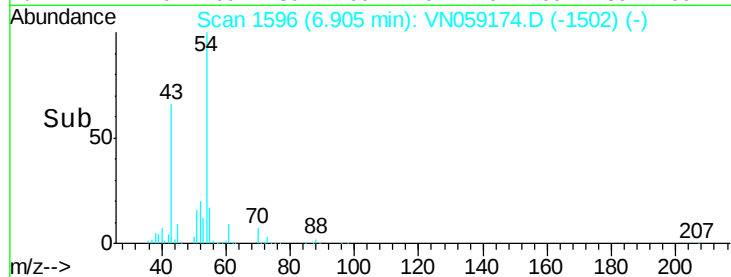
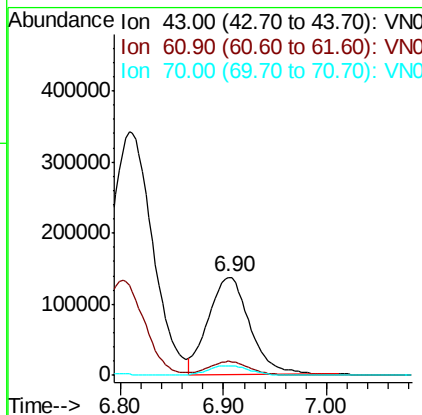
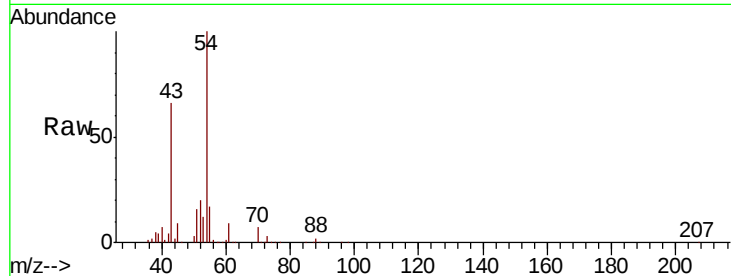
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	384356
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.2	16.8
70	9.8	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
11/12/2019 11:20:13 AM



#38

Carbon Tetrachloride

Concen: 47.653 ug/l

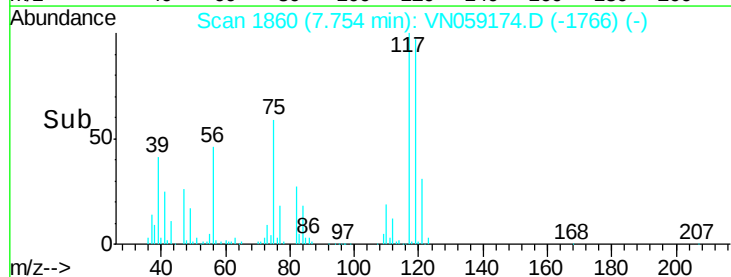
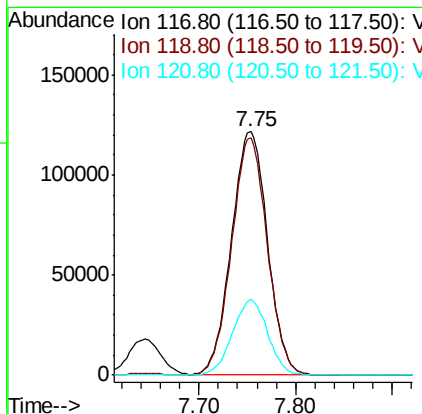
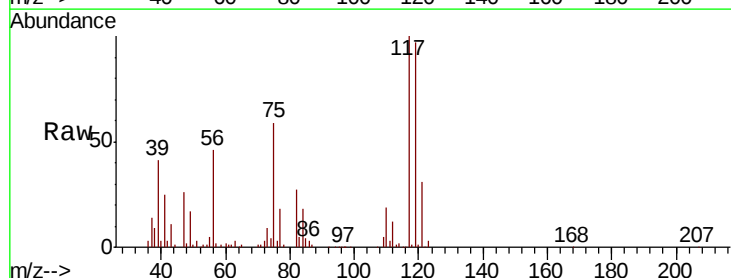
RT: 7.75 min Scan# 1860

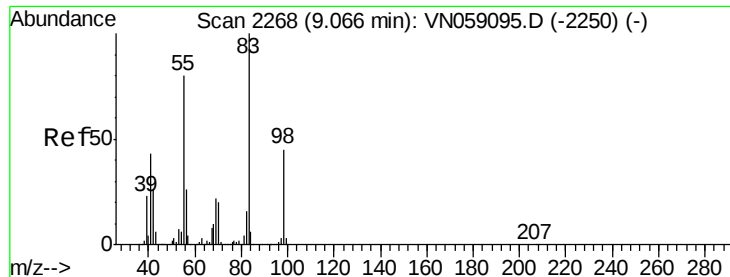
Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Tgt Ion:	117	Resp:	315805
Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.6	113.4
121	31.0	24.6	36.8





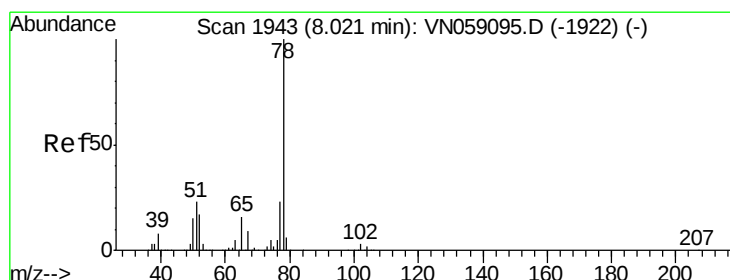
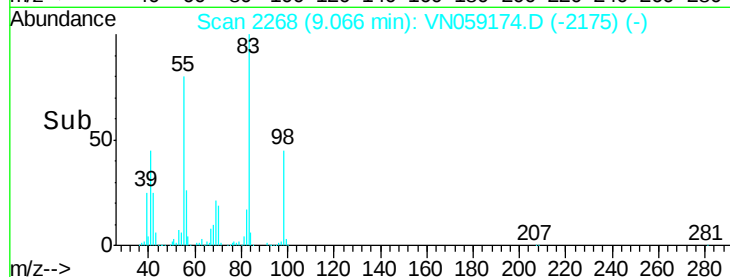
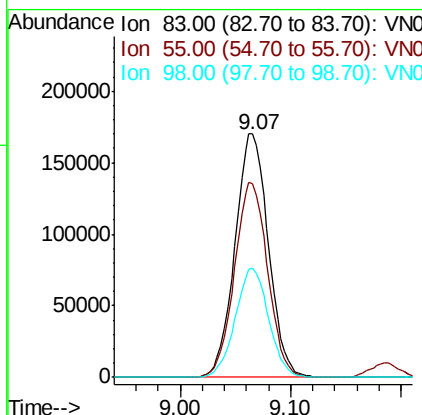
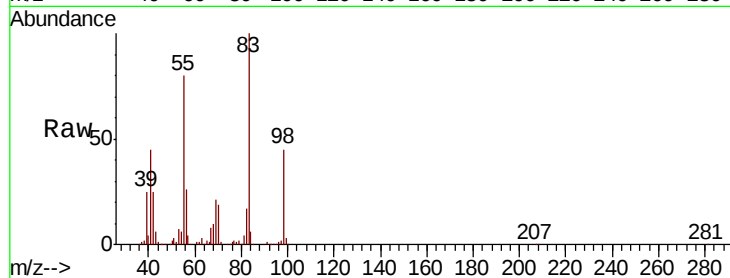
#39
Methvlcvclohexane
Concen: 46.128 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	63.9	95.9
98	44.9	35.6	53.4

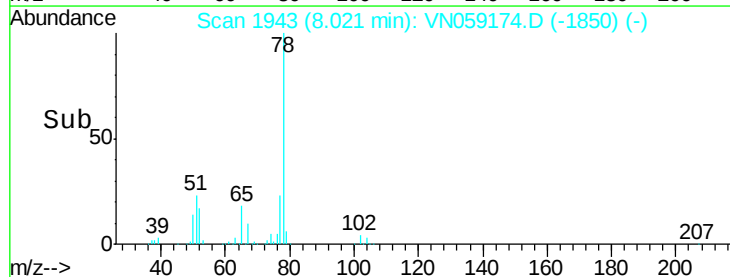
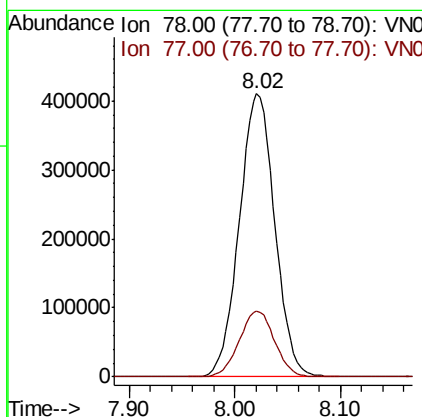
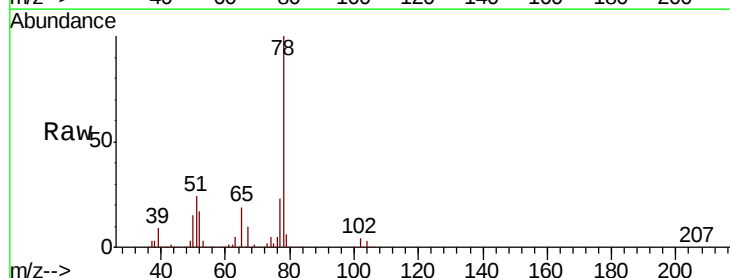
Manual Integrations
APPROVED

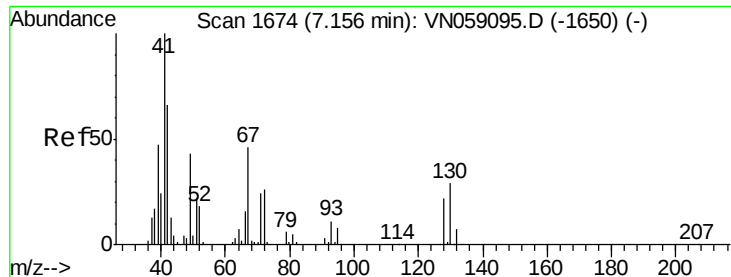
MMDadoda
11/12/2019 11:20:13 AM



#40
Benzene
Concen: 47.842 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





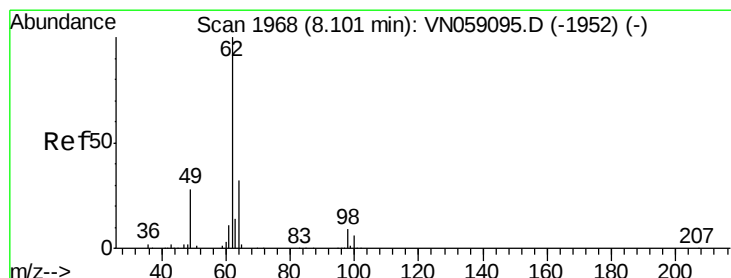
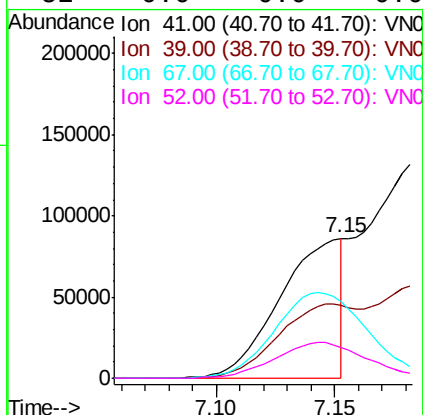
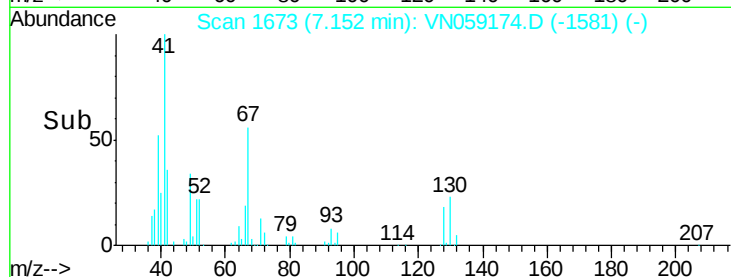
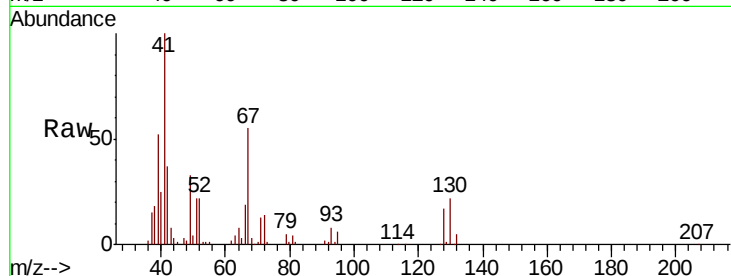
#41
Methacrylonitrile
Concen: 48.205 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

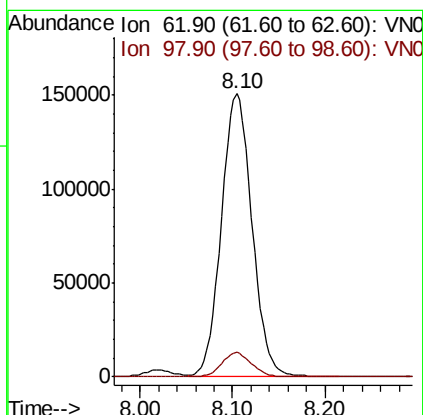
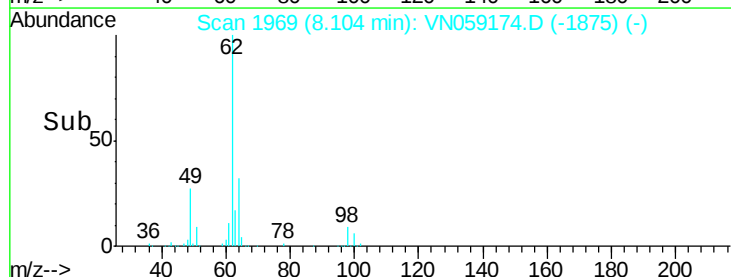
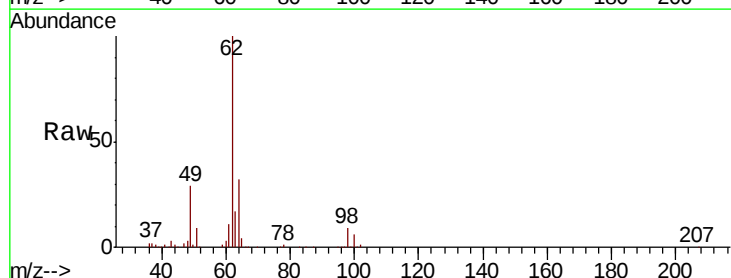
Manual Integrations
APPROVED

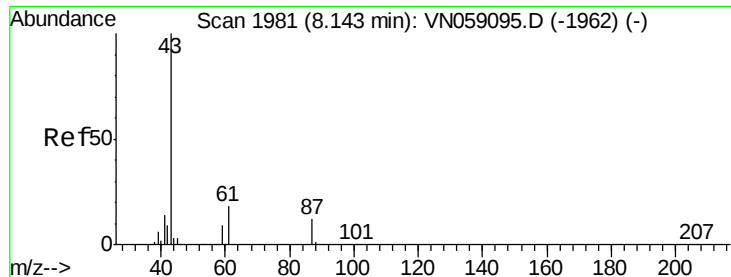
MMDadoda
11/12/2019 11:20:13 AM



#42
1,2-Dichloroethane
Concen: 50.376 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.8





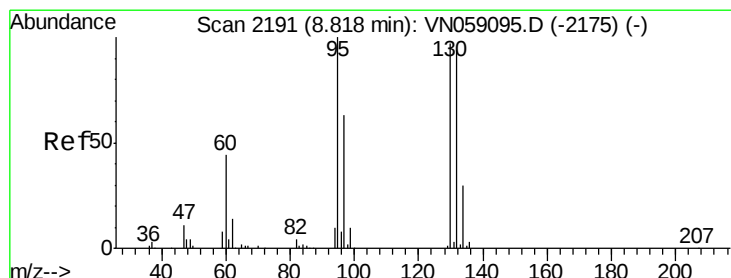
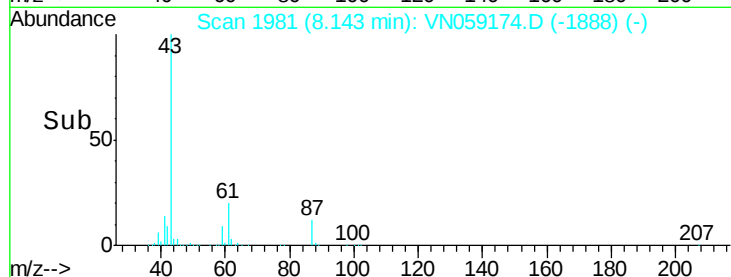
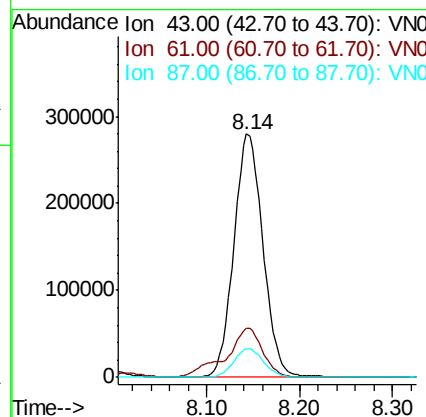
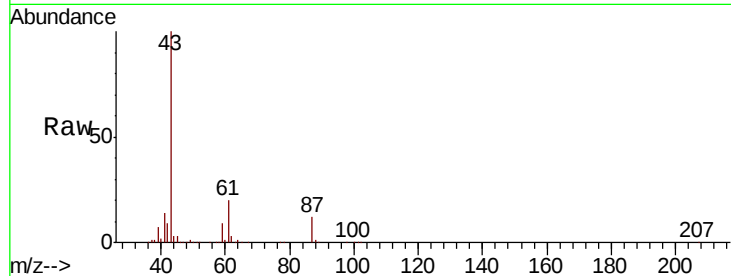
#43
Isopropyl Acetate
Concen: 51.415 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	21.0	31.6
87	12.2	9.8	14.6

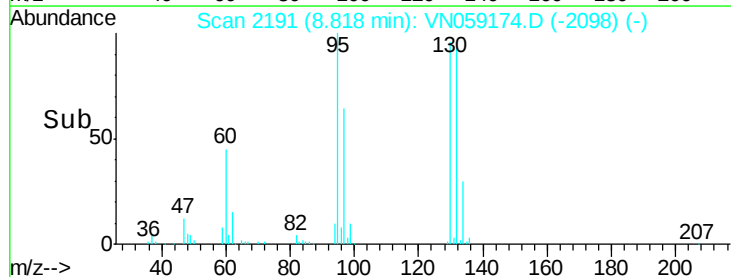
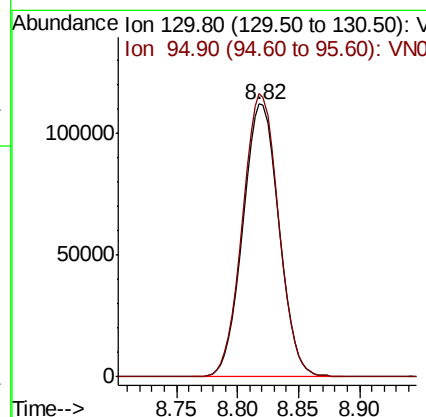
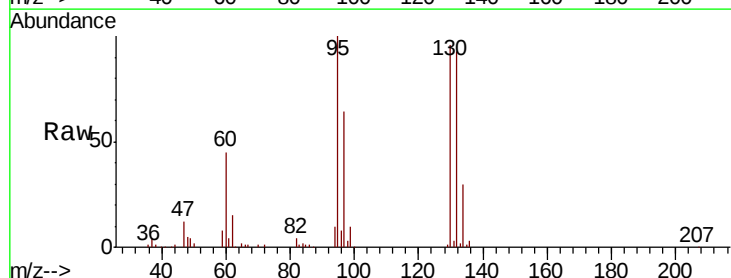
Manual Integrations
APPROVED

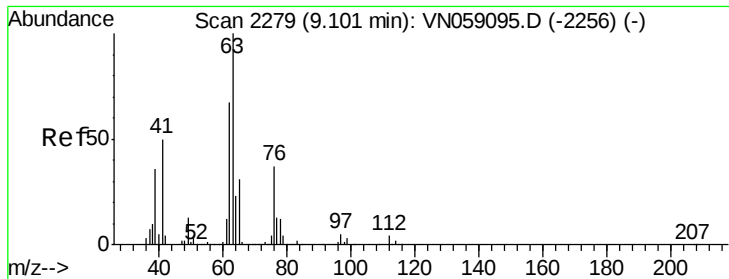
MMDadoda
11/12/2019 11:20:13 AM



#44
Trichloroethene
Concen: 46.464 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	206.4





#45

1,2-Dichloropropane

Concen: 48.972 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 266709

Ion Ratio Lower Upper

63 100

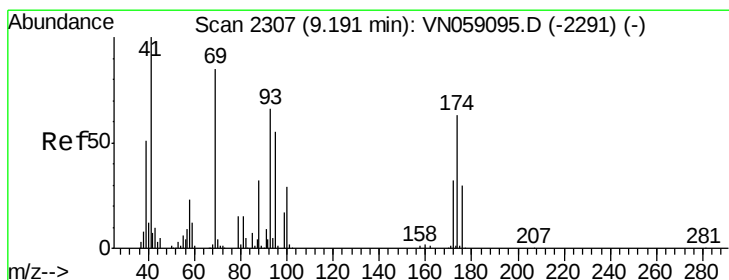
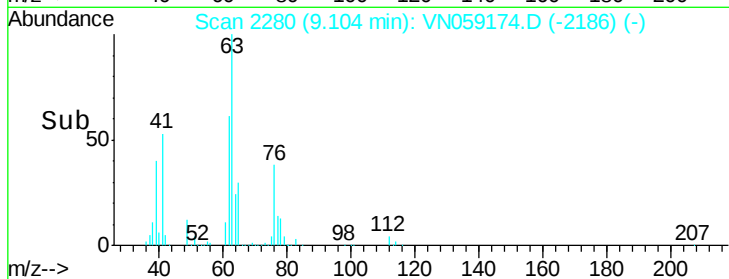
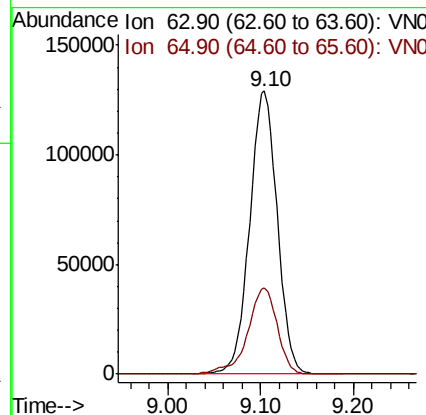
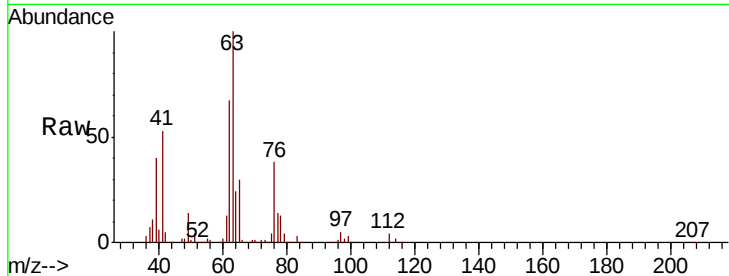
65 30.4 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

11/12/2019 11:20:13 AM



#46

Dibromomethane

Concen: 48.930 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

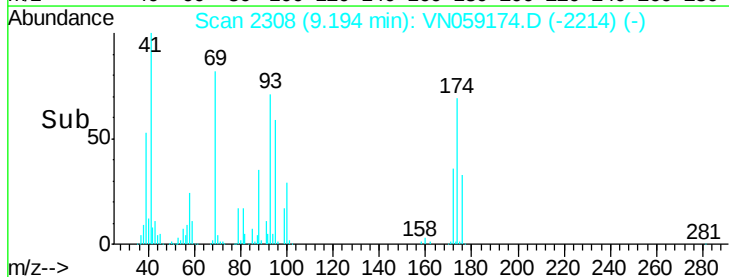
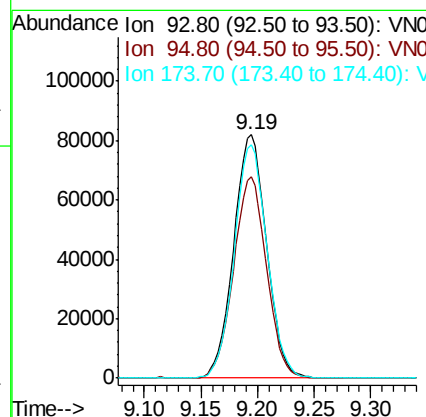
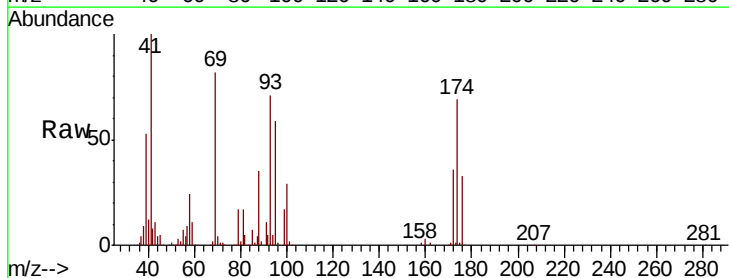
Tgt Ion: 93 Resp: 166056

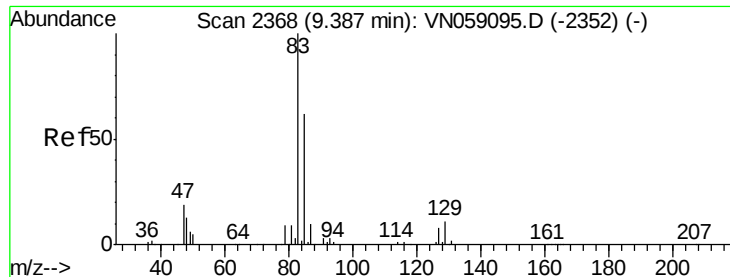
Ion Ratio Lower Upper

93 100

95 82.9 66.6 100.0

174 95.9 78.2 117.2





#47

Bromodichloromethane

Concen: 50.504 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

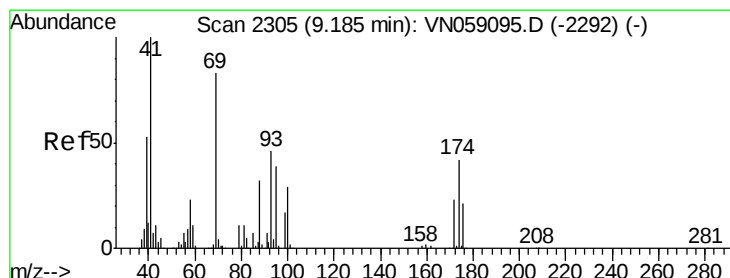
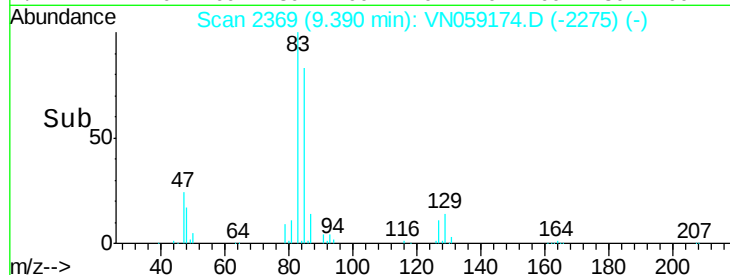
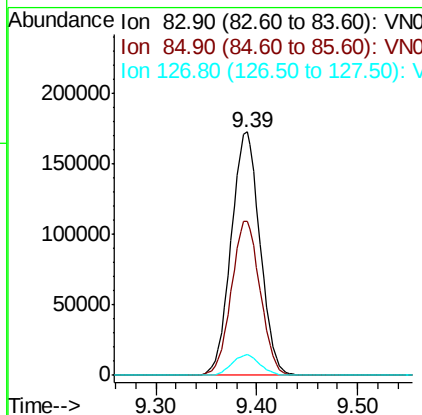
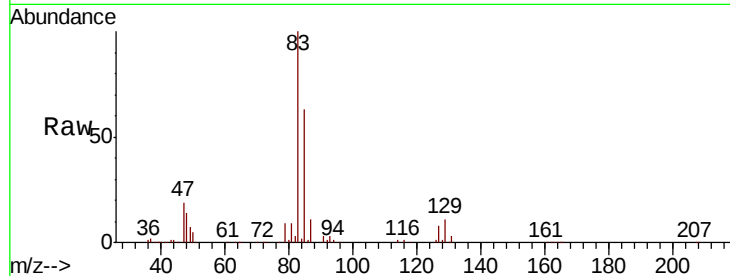
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	342258
Ion Ratio	Lower	Upper	
83	100		
85	63.4	49.7	74.5
127	8.5	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
11/12/2019 11:20:13 AM



#48

Methyl methacrylate

Concen: 52.761 ug/l

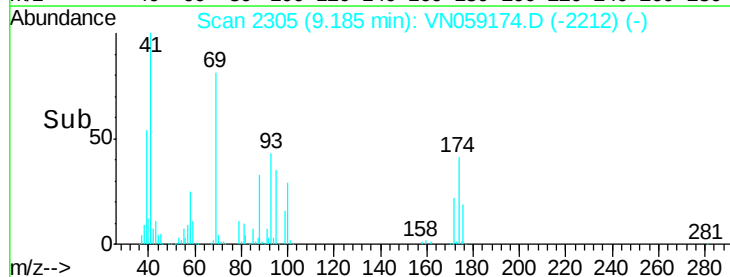
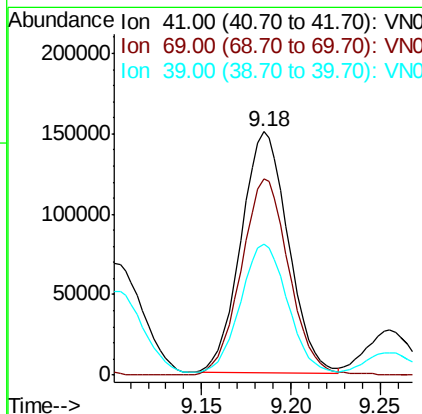
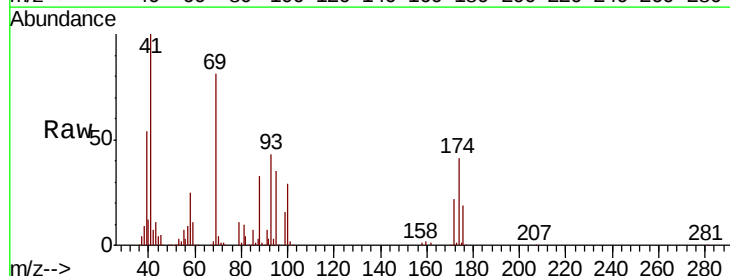
RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Tgt Ion:	41	Resp:	278690
Ion Ratio	Lower	Upper	
41	100		
69	82.3	67.3	100.9
39	54.7	43.3	64.9





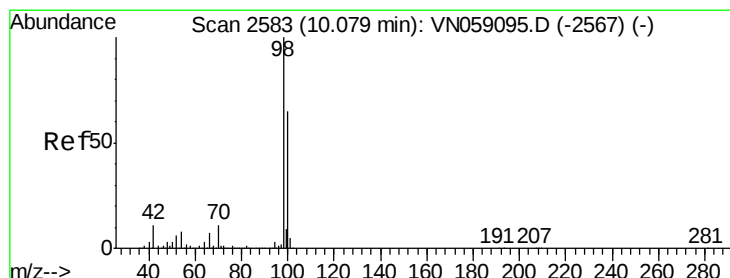
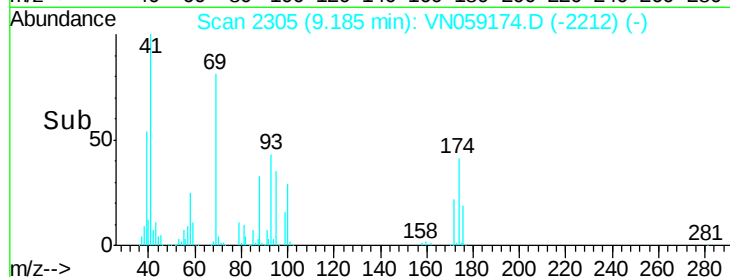
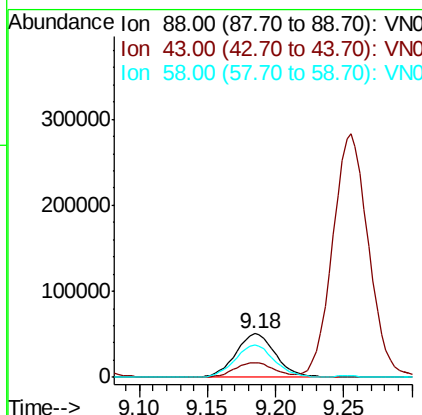
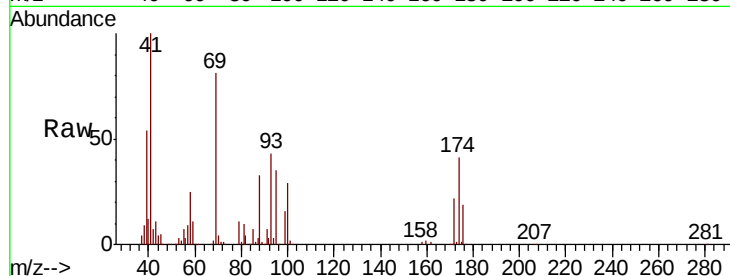
#49
1,4-Dioxane
Concen: 1101.020 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.3	39.5
58	73.8	60.6	90.8

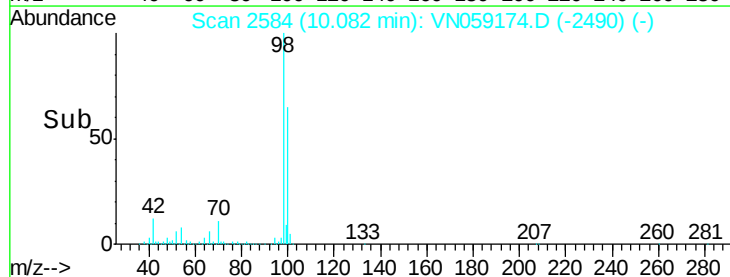
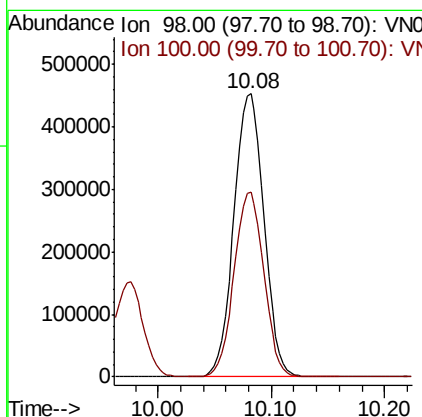
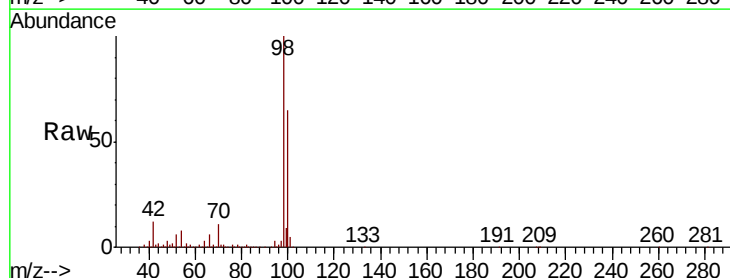
Manual Integrations
APPROVED

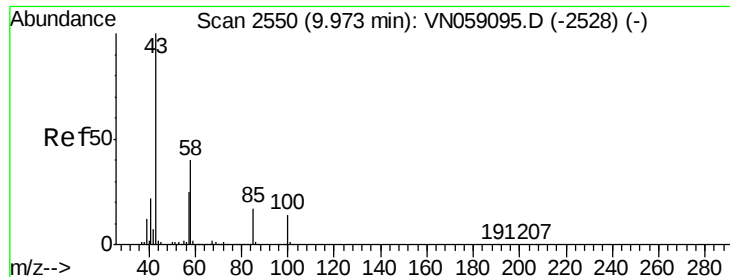
MMDadoda
11/12/2019 11:20:13 AM



#50
Toluene-d8
Concen: 50.123 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 294.933 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1970708

Ion Ratio Lower Upper

43 100

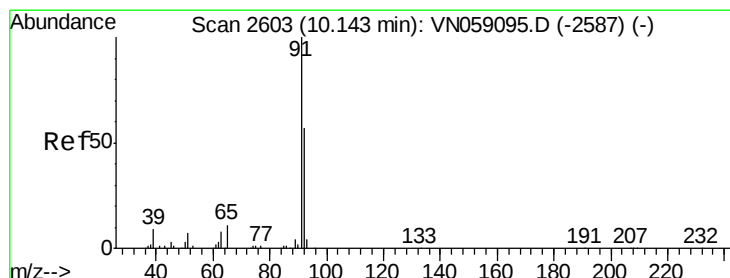
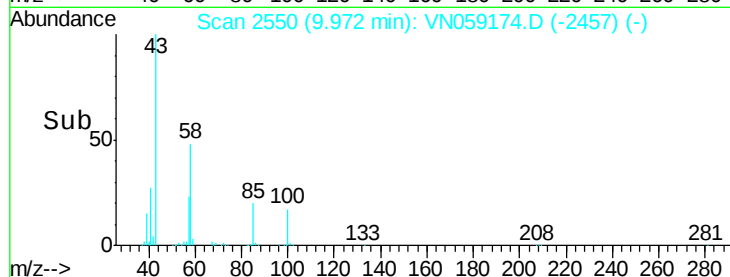
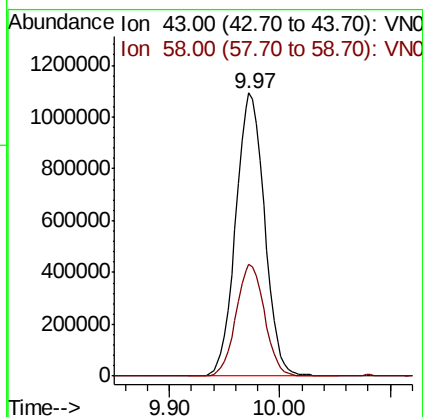
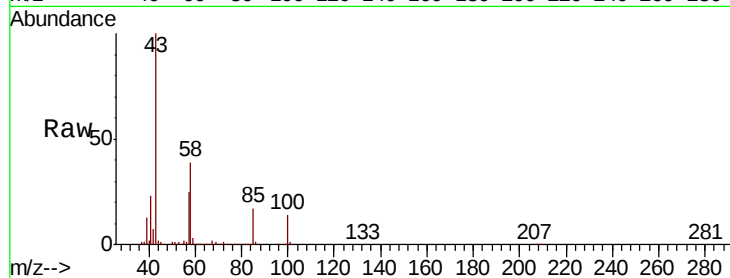
58 39.1 31.5 47.3

Manual Integrations

APPROVED

MMDadoda

11/12/2019 11:20:13 AM



#52

Toluene

Concen: 48.904 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059174.D

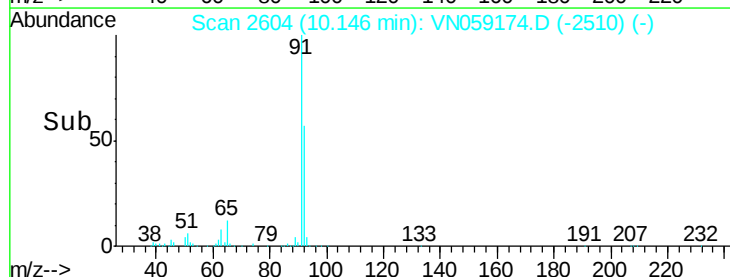
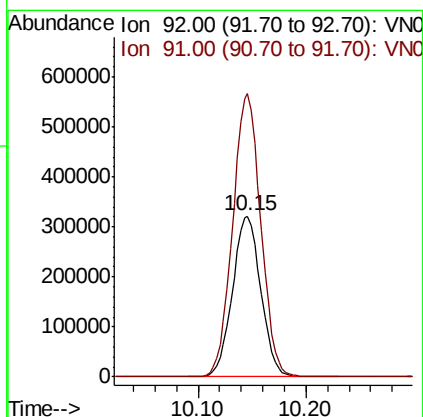
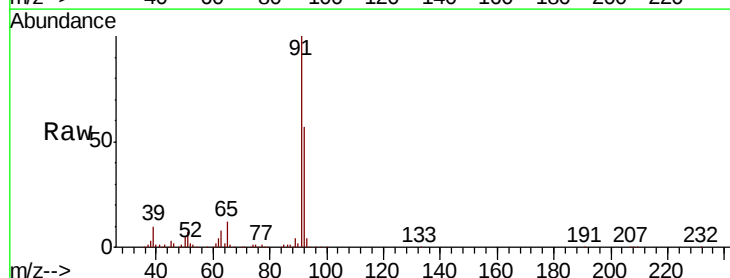
Acq: 11 Nov 2019 20:04

Tgt Ion: 92 Resp: 587721

Ion Ratio Lower Upper

92 100

91 174.7 139.5 209.3





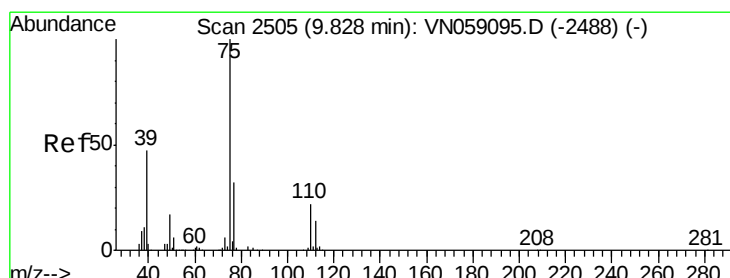
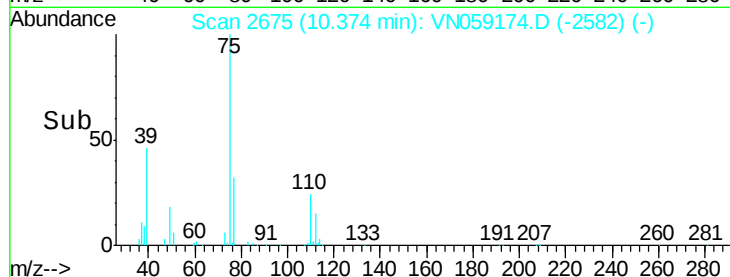
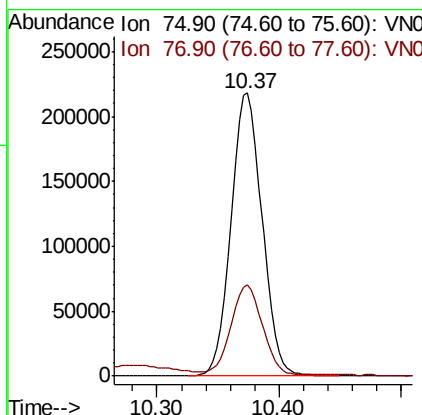
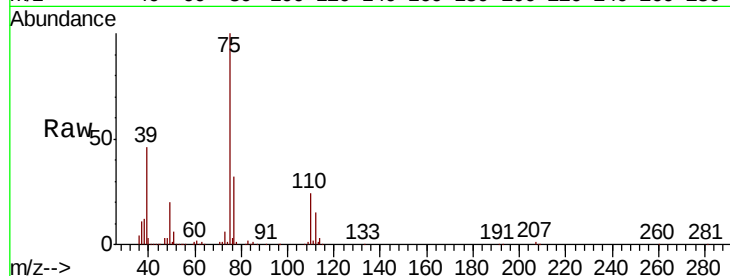
#53
t-1,3-Dichloropropene
Concen: 49.313 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9

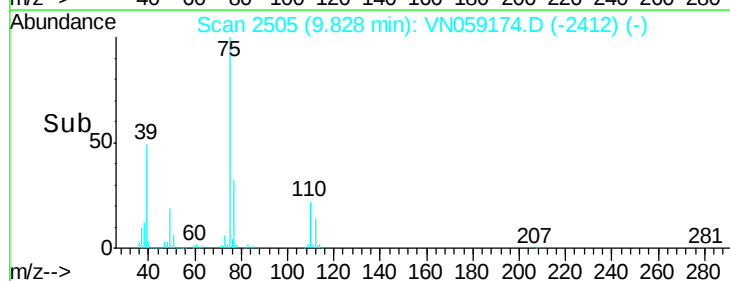
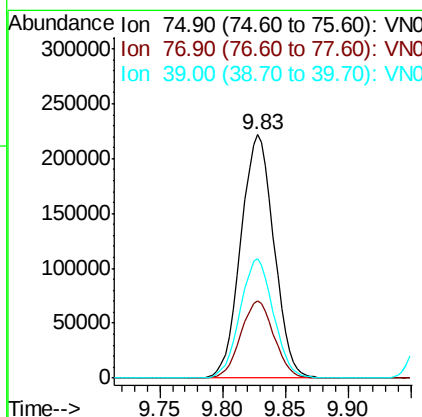
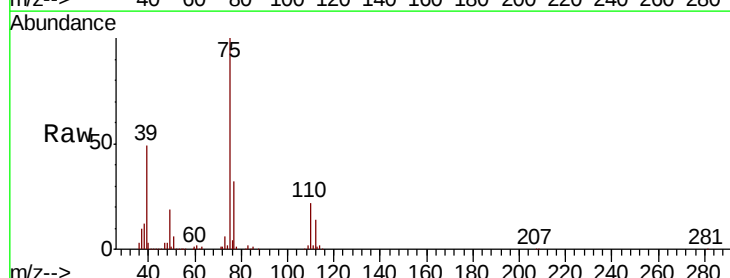
Manual Integrations
APPROVED

MMDadoda
11/12/2019 11:20:13 AM



#54
cis-1,3-Dichloropropene
Concen: 48.577 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3
39	48.9	37.3	55.9





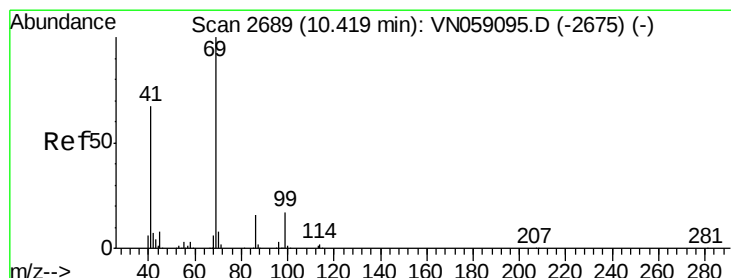
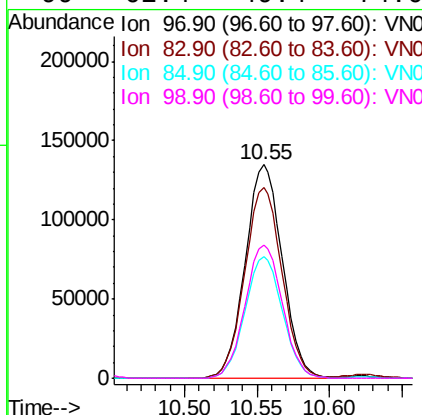
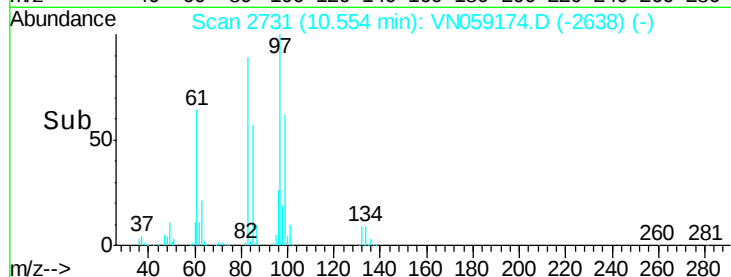
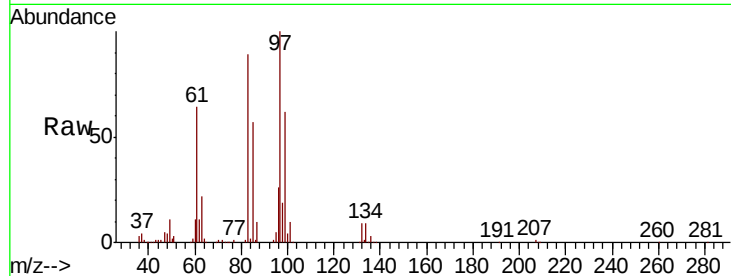
#55
 1,1,2-Trichloroethane
 Concen: 49.385 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	240194
Ion	Ratio	Lower	Upper
97	100		
83	89.4	71.0	106.4
85	57.1	45.8	68.8
99	62.4	49.4	74.0

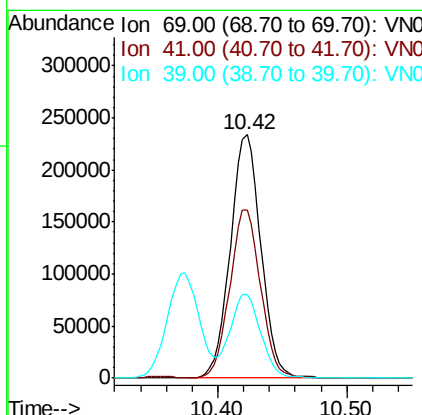
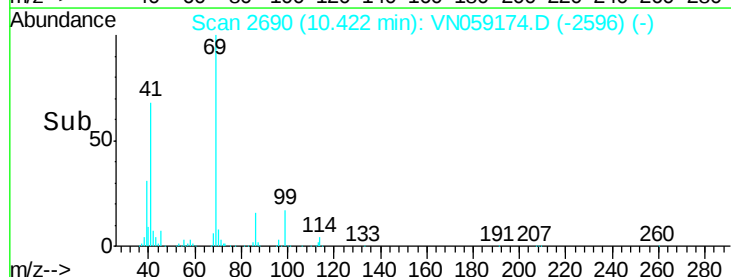
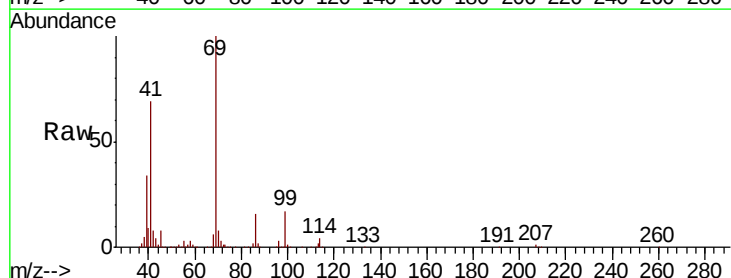
Manual Integrations
 APPROVED

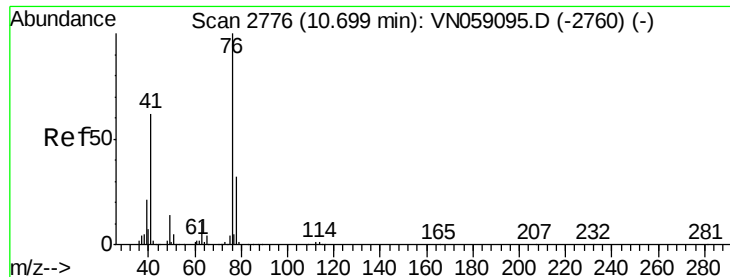
MMDadoda
 11/12/2019 11:20:13 AM



#56
 Ethyl methacrylate
 Concen: 47.495 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Tgt Ion:	69	Resp:	384500
Ion	Ratio	Lower	Upper
69	100		
41	69.4	53.6	80.4
39	33.9	26.2	39.4





#57

1,3-Dichloropropane

Concen: 50.161 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 419903

Ion Ratio Lower Upper

76 100

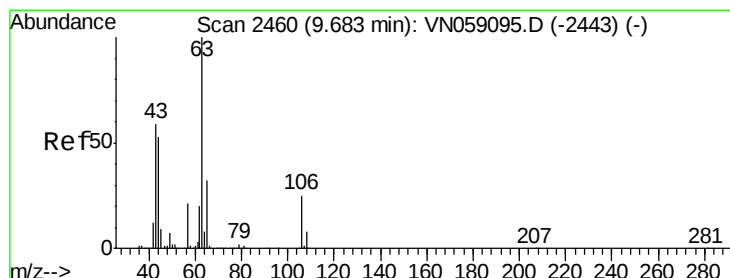
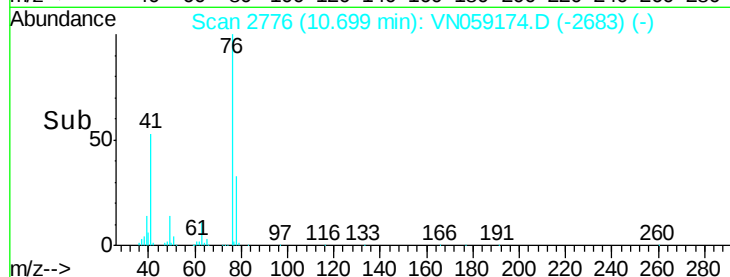
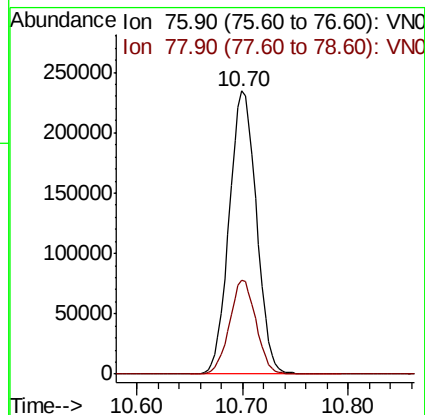
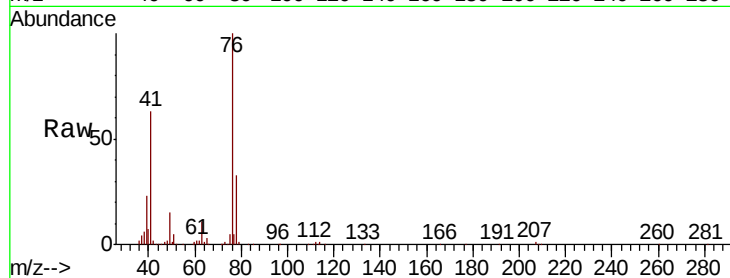
78 32.3 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

11/12/2019 11:20:13 AM



#58

2-Chloroethyl Vinyl ether

Concen: 284.783 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059174.D

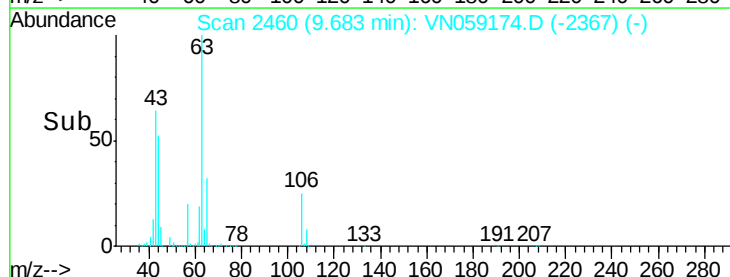
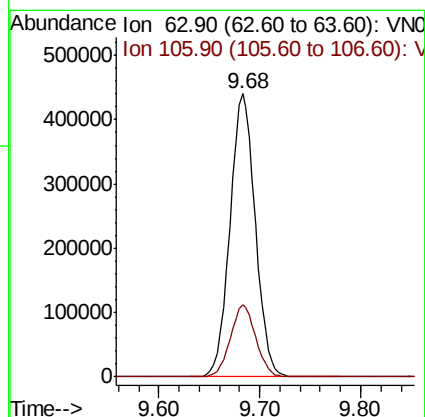
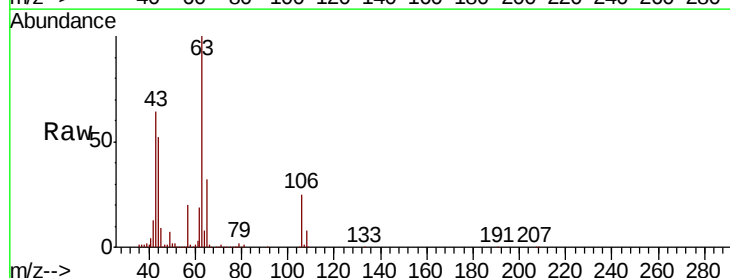
Acq: 11 Nov 2019 20:04

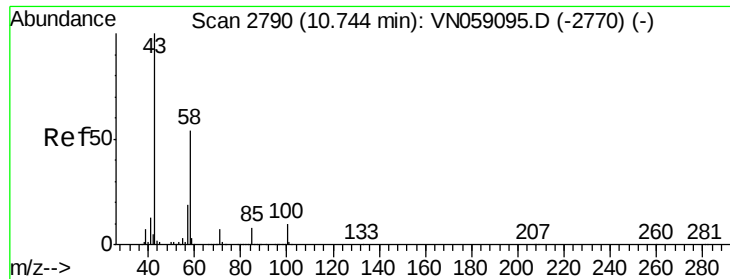
Tgt Ion: 63 Resp: 770851

Ion Ratio Lower Upper

63 100

106 25.4 20.2 30.2





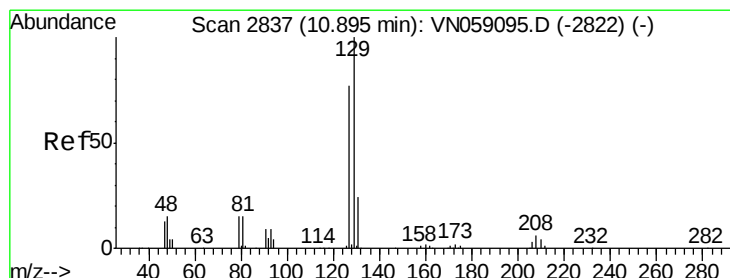
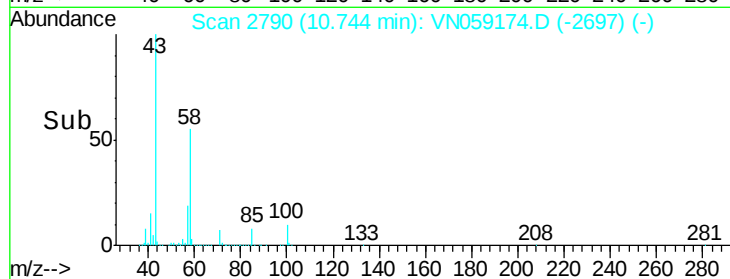
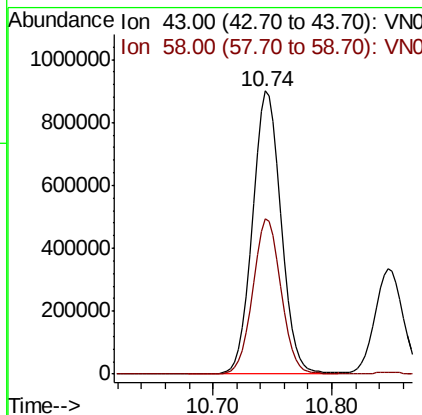
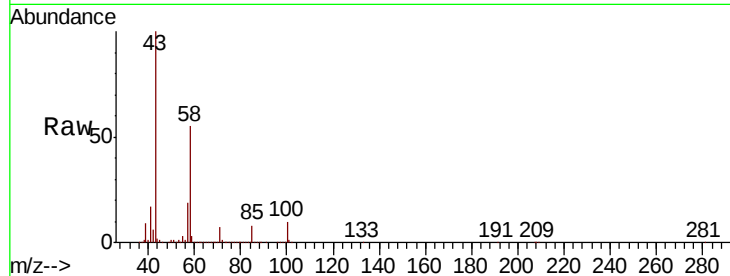
#59
2-Hexanone
Concen: 291.371 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1494341
Ion Ratio Lower Upper
43 100
58 54.3 27.3 81.8

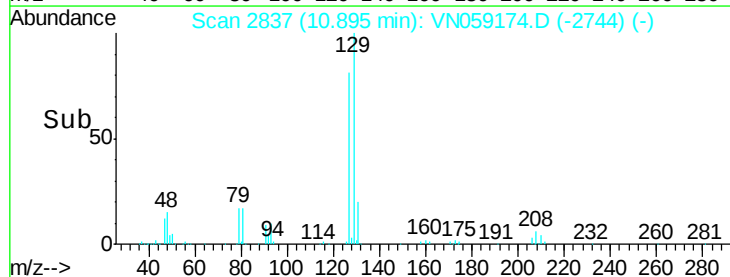
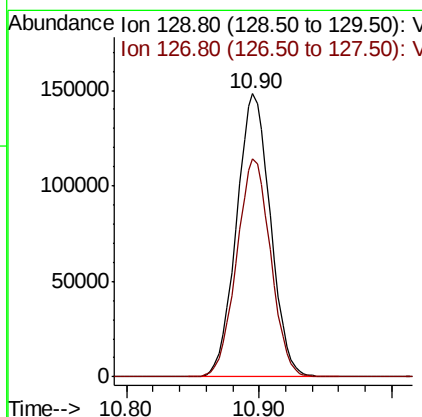
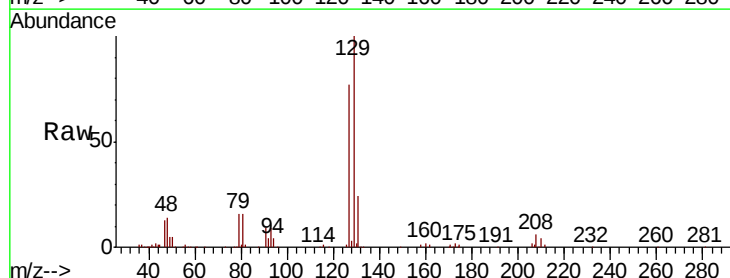
Manual Integrations
APPROVED

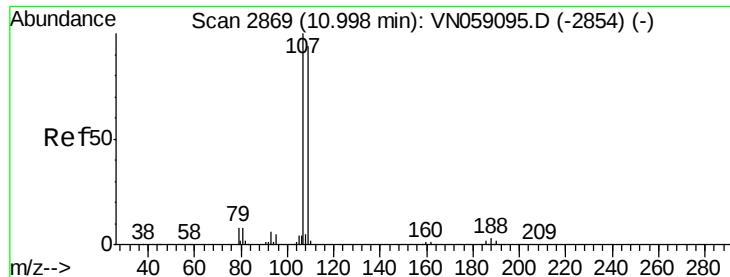
MMDadoda
11/12/2019 11:20:13 AM



#60
Dibromochloromethane
Concen: 51.159 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion: 129 Resp: 263077
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.724 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 249749

Ion Ratio Lower Upper

107 100

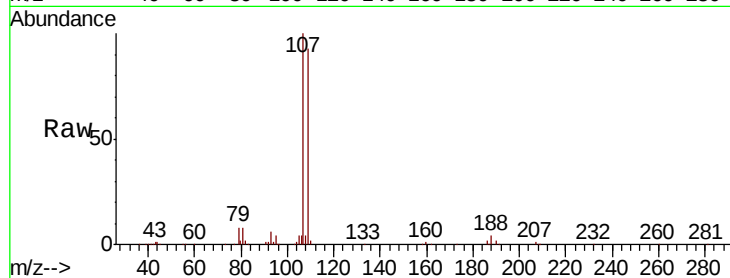
109 95.0 75.5 113.3

Manual Integrations

APPROVED

MMDadoda

11/12/2019 11:20:13 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

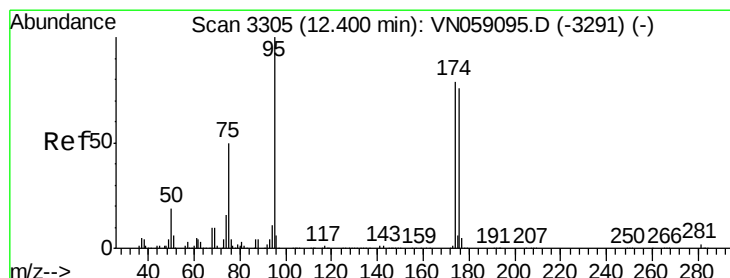
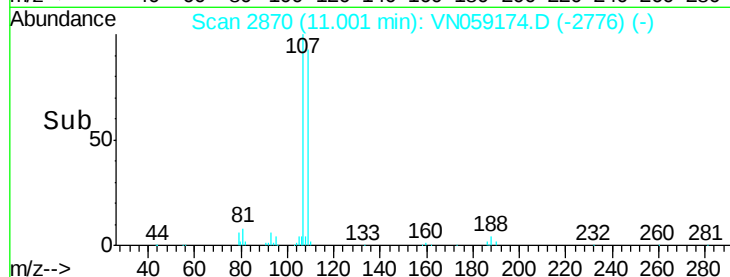
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 51.028 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

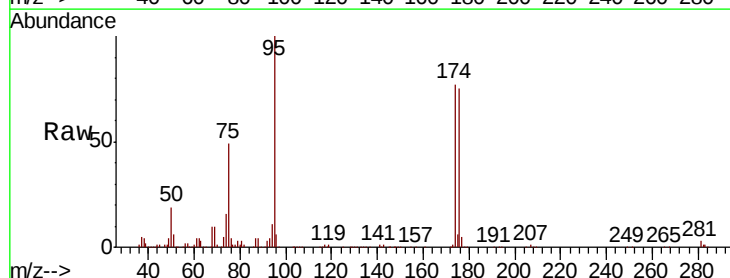
Tgt Ion: 95 Resp: 308251

Ion Ratio Lower Upper

95 100

174 78.5 0.0 158.2

176 76.6 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

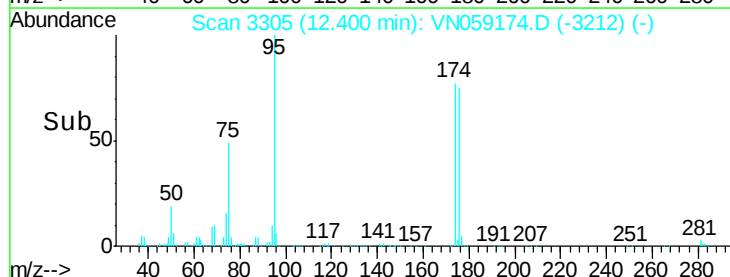
150000

100000

50000

0

Time--> 12.35 12.40 12.45





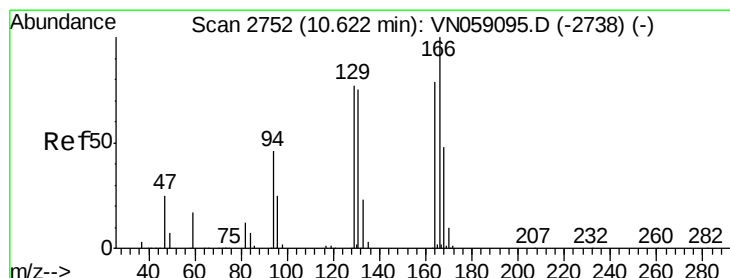
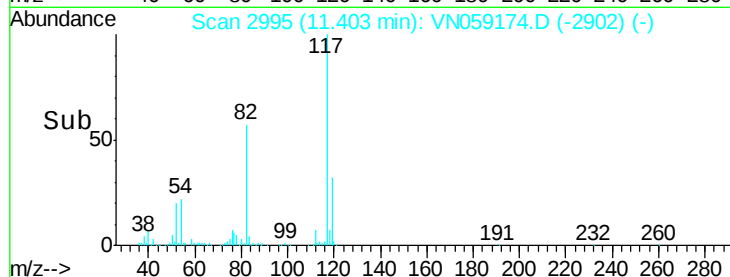
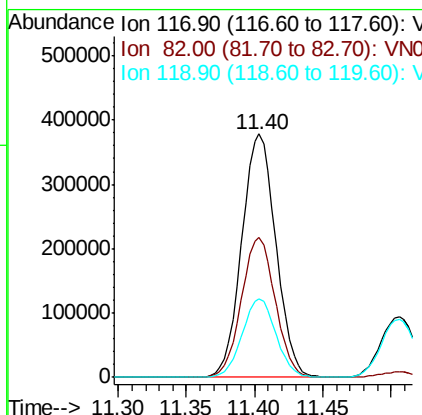
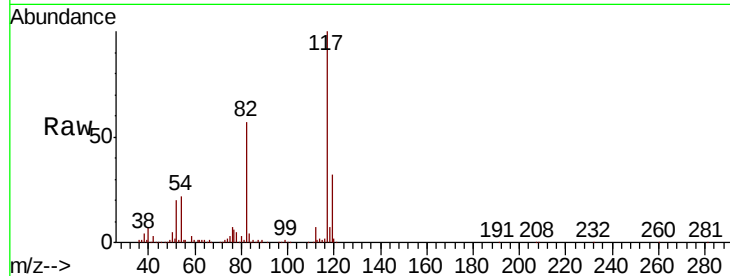
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.8	68.8
119	32.1	25.8	38.6

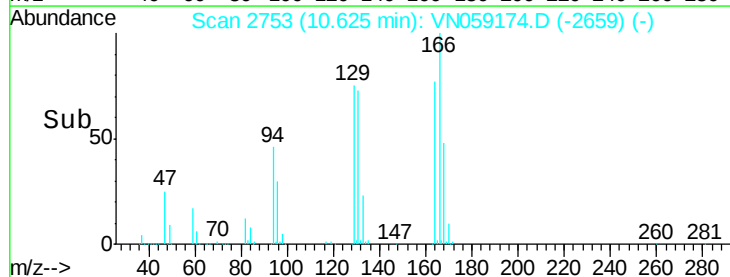
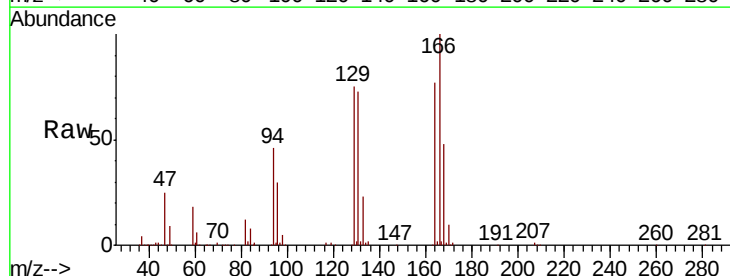
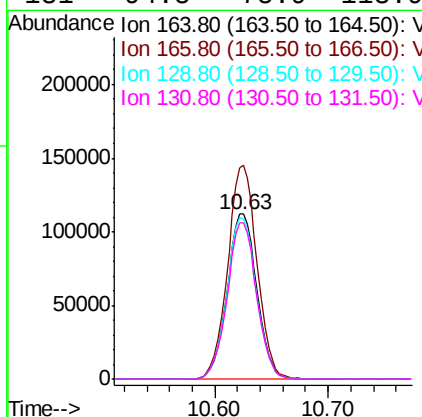
Manual Integrations
APPROVED

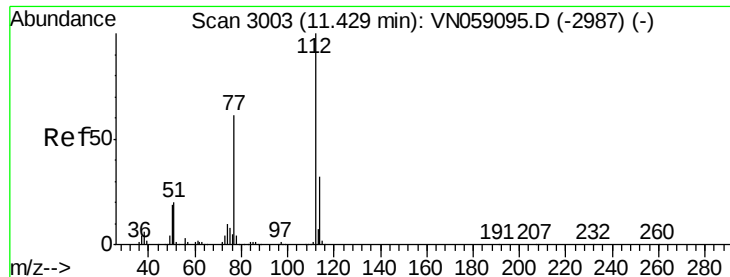
MMDadoda
11/12/2019 11:20:13 AM



#64
Tetrachloroethene
Concen: 45.570 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	101.5	152.3
129	97.0	78.3	117.5
131	94.5	75.9	113.9





#65

Chlorobenzene

Concen: 48.762 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 624671

Ion Ratio Lower Upper

112 100

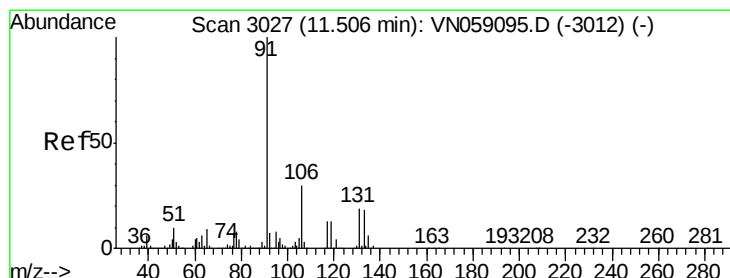
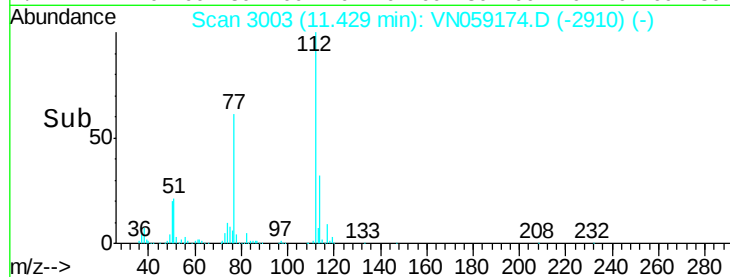
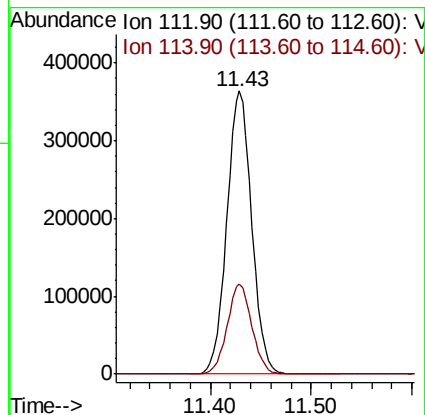
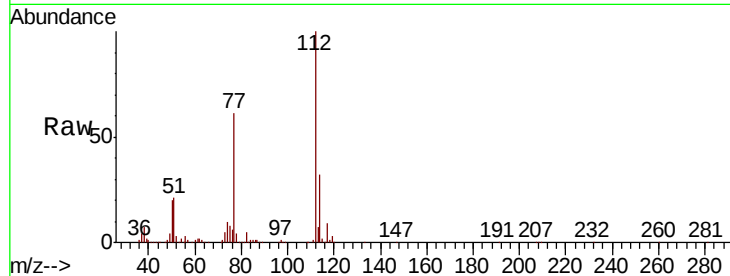
114 32.1 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

11/12/2019 11:20:13 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 49.348 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

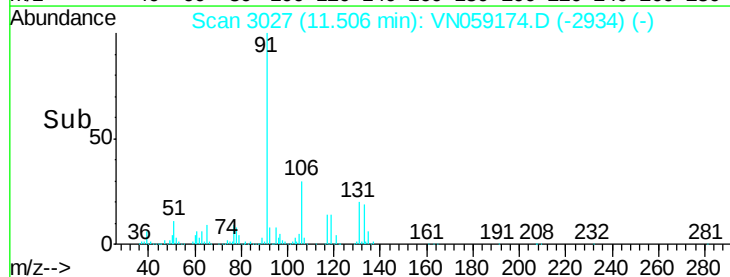
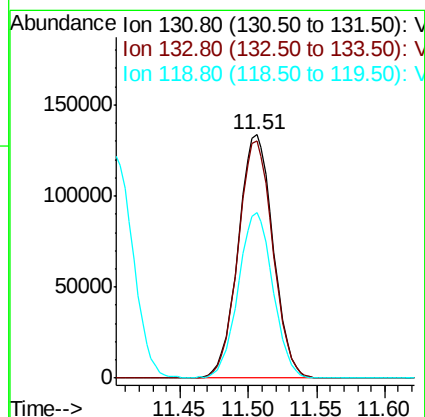
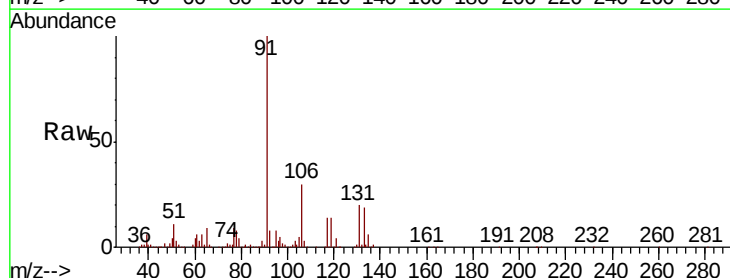
Tgt Ion:131 Resp: 237141

Ion Ratio Lower Upper

131 100

133 97.3 47.4 142.3

119 67.5 33.2 99.6





#67

Ethyl Benzene

Concen: 50.141 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1139631

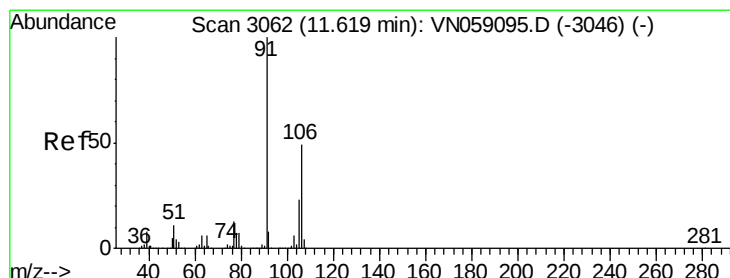
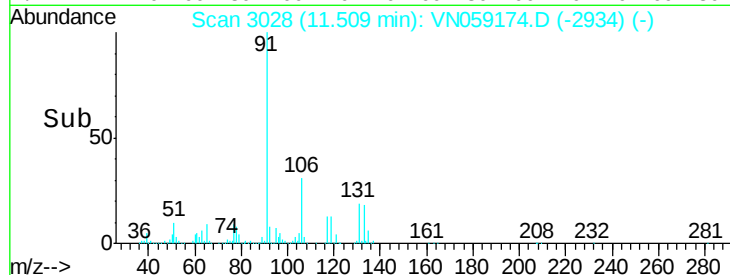
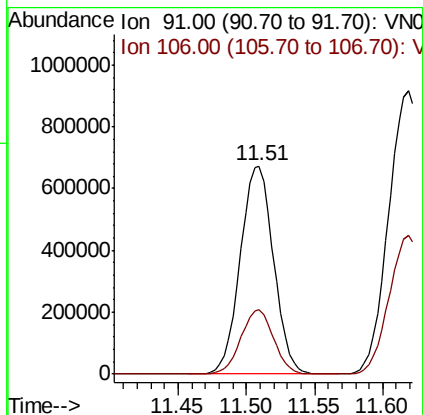
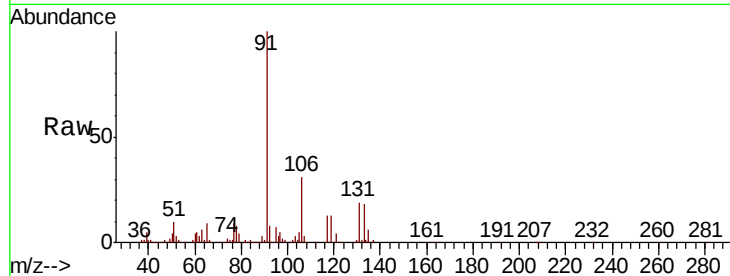
Ion Ratio Lower Upper

91 100

106 30.8 24.1 36.1

Manual Integrations
APPROVED

MMDadoda
11/12/2019 11:20:13 AM



#68

m/p-Xylenes

Concen: 99.635 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059174.D

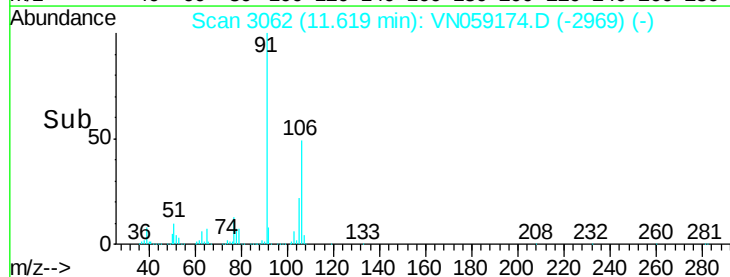
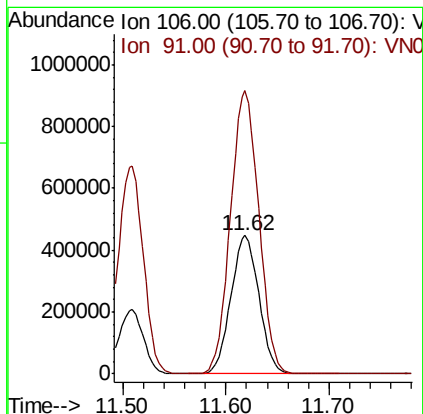
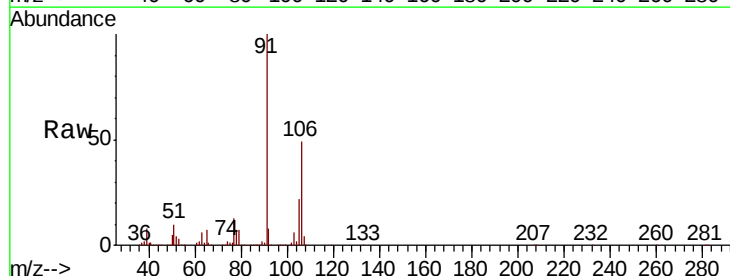
Acq: 11 Nov 2019 20:04

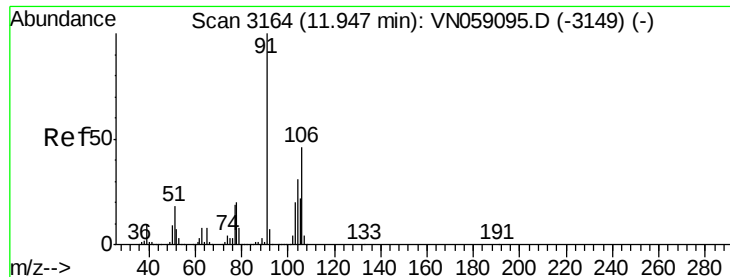
Tgt Ion: 106 Resp: 848282

Ion Ratio Lower Upper

106 100

91 206.7 164.7 247.1





#69

o-Xylene

Concen: 49.681 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 408770

Ion Ratio Lower Upper

106 100

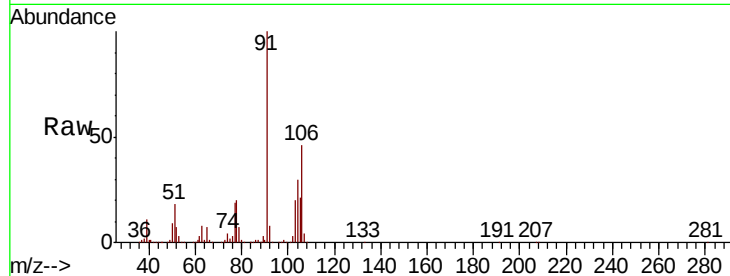
91 218.6 110.1 330.3

Manual Integrations

APPROVED

MMDadoda

11/12/2019 11:20:13 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

500000

400000

300000

200000

100000

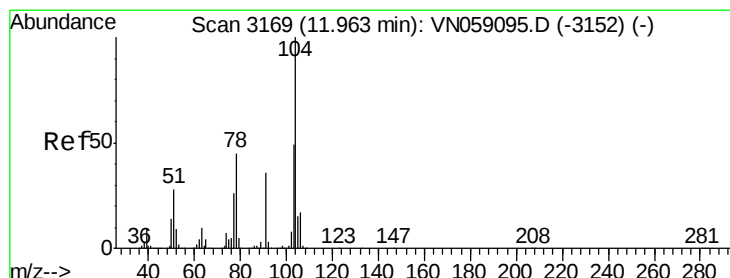
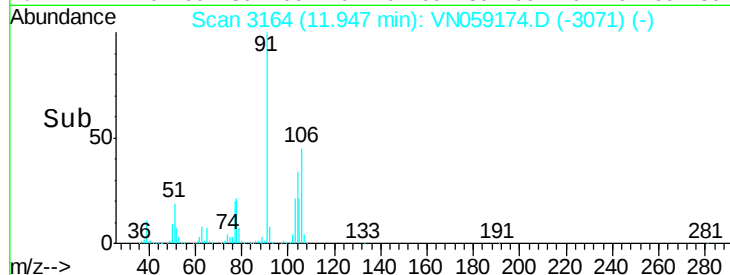
0

11.95

11.90

12.00

Time-->



#70

Styrene

Concen: 52.872 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

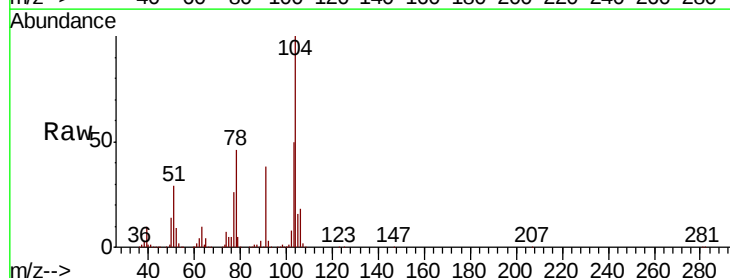
Tgt Ion:104 Resp: 684176

Ion Ratio Lower Upper

104 100

78 51.5 41.2 61.8

103 55.0 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

500000

400000

300000

200000

100000

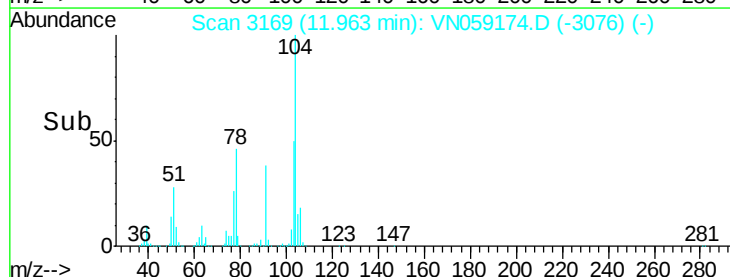
0

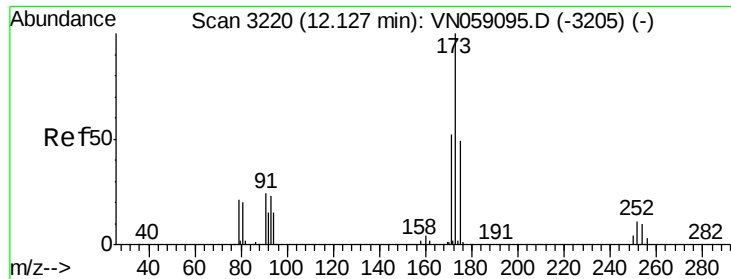
11.96

11.90

12.00

Time-->





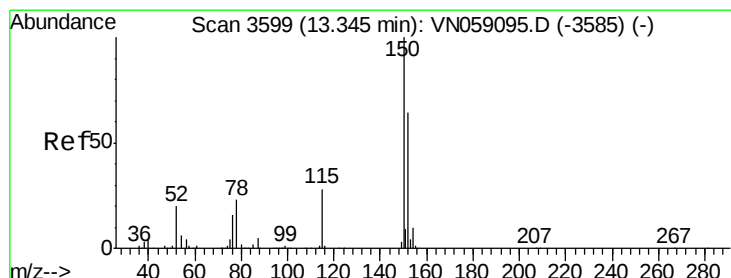
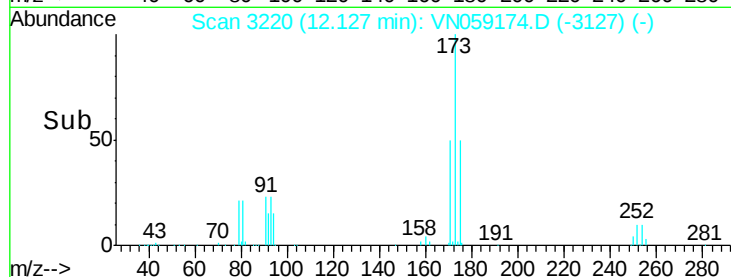
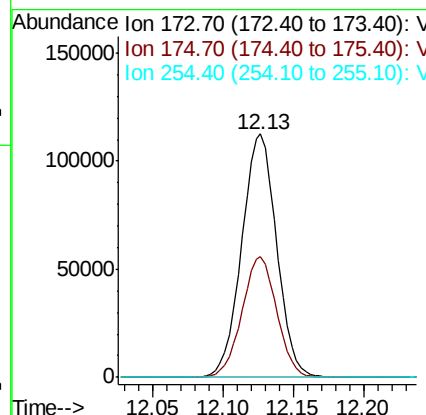
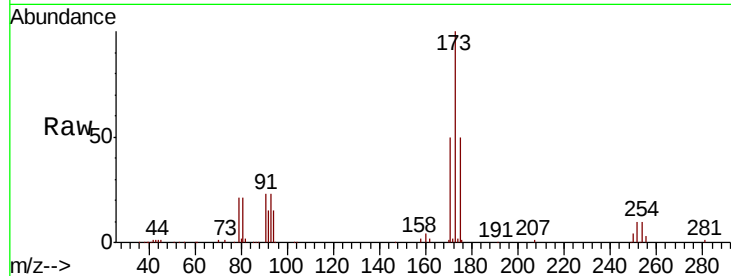
#71
Bromoform
Concen: 52.197 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.2	72.6
254	0.0	0.1	0.1#

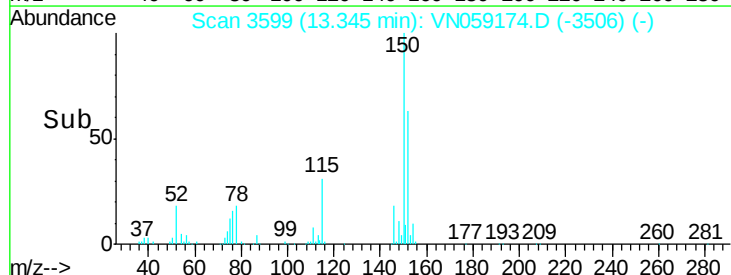
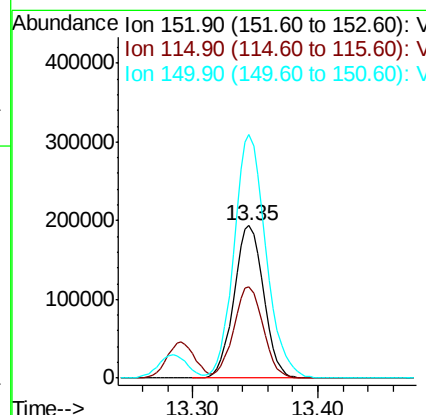
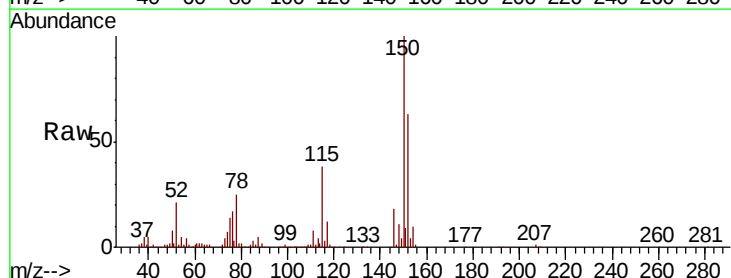
Manual Integrations
APPROVED

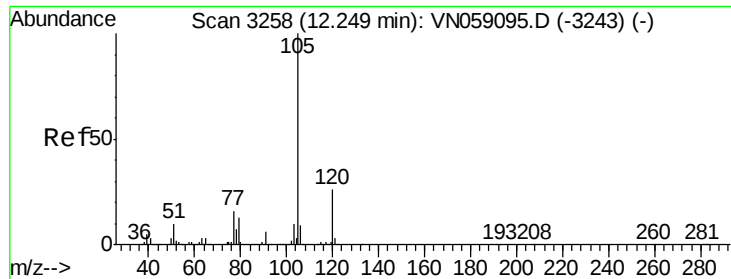
MMDadoda
11/12/2019 11:20:13 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	29.4	88.2
150	171.4	0.0	345.8





#73

Isopropylbenzene

Concen: 47.855 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1103904

Ion Ratio Lower Upper

105 100

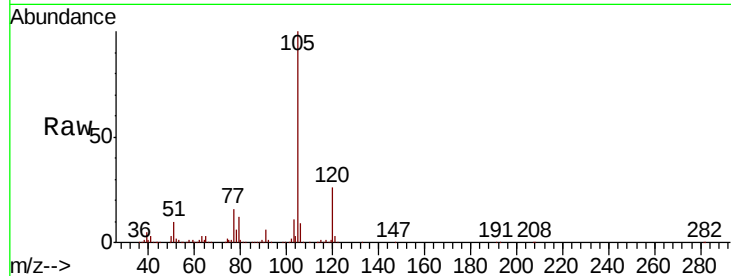
120 26.2 13.1 39.3

Manual Integrations

APPROVED

MMDadoda

11/12/2019 11:20:13 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

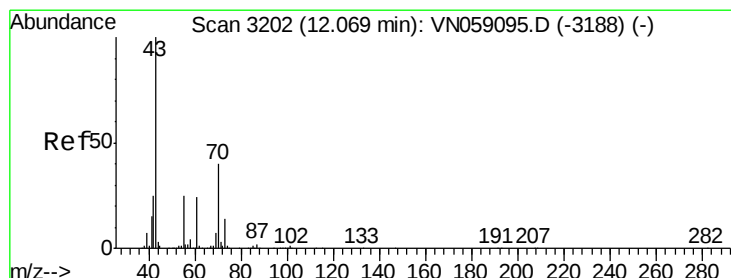
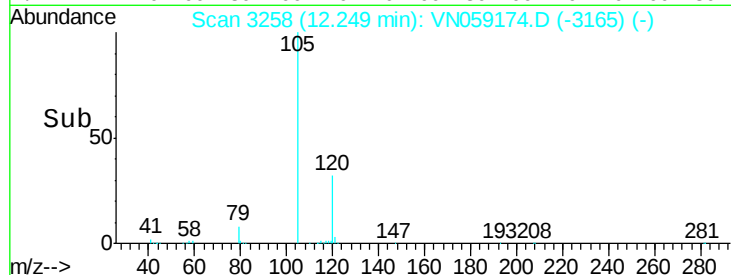
400000

200000

0

12.20 12.30

Time-->



#74

N-ethyl acetate

Concen: 52.735 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Tgt Ion: 43 Resp: 515473

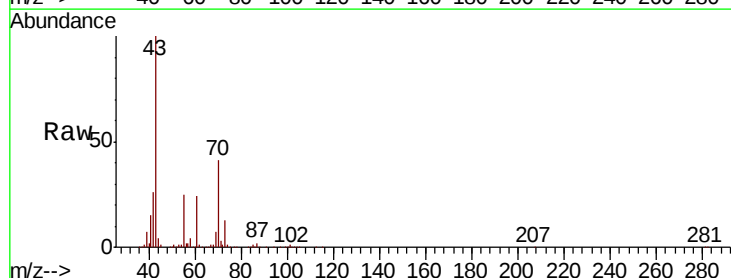
Ion Ratio Lower Upper

43 100

70 41.3 32.2 48.4

55 25.3 20.4 30.6

61 23.9 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500000

400000

300000

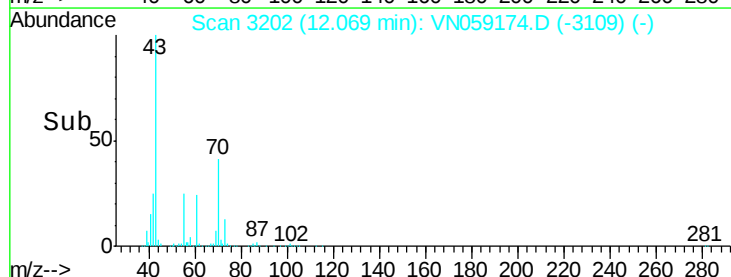
200000

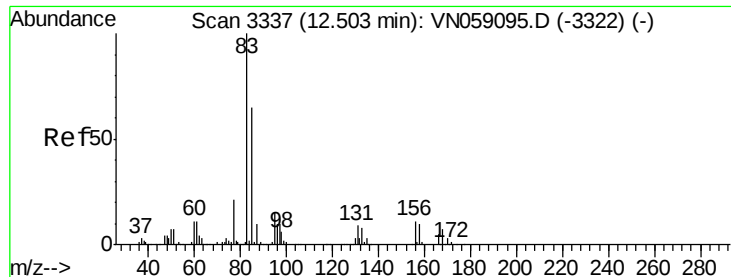
100000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.221 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 386663
Ion Ratio Lower Upper

83 100

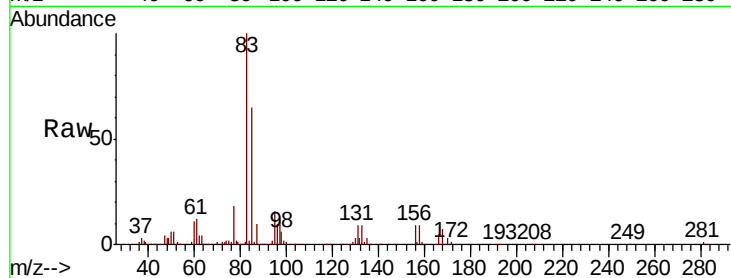
131 9.7 4.9 14.6

85 64.5 32.4 97.2

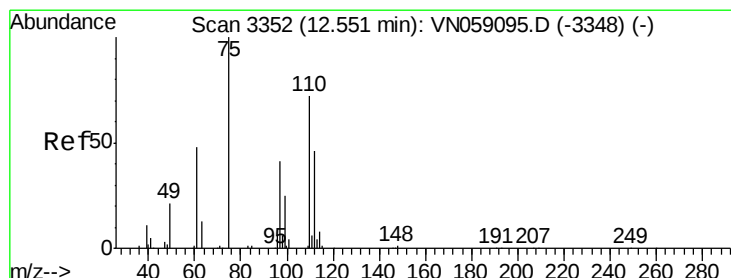
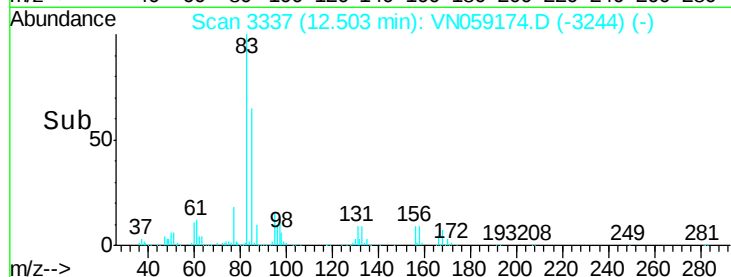
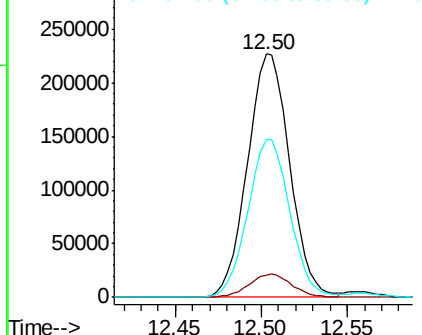
Manual Integrations
APPROVED

MMDadoda

11/12/2019 11:20:13 AM



Abundance Ion 82.90 (82.60 to 83.60): VN059174.D (-3244) (-)
Ion 130.80 (130.50 to 131.50): VN059174.D (-3244) (-)
Ion 84.90 (84.60 to 85.60): VN059174.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 52.133 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

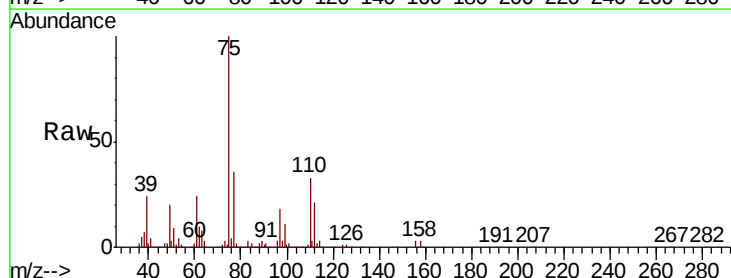
Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

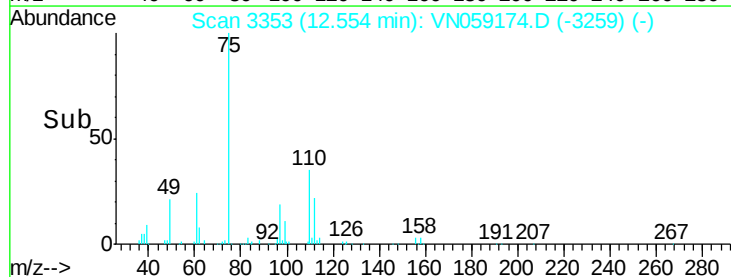
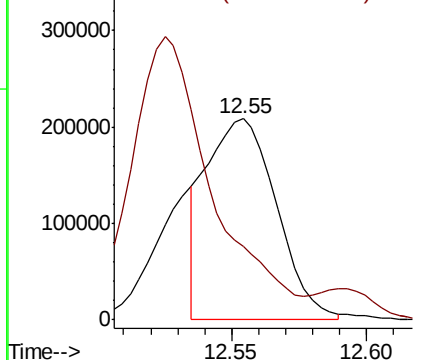
Tgt Ion: 75 Resp: 376394
Ion Ratio Lower Upper

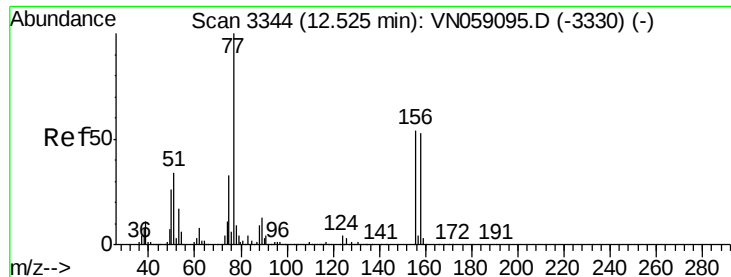
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059174.D (-3259) (-)
Ion 77.00 (76.70 to 77.70): VN059174.D (-3259) (-)





#77

Bromobenzene

Concen: 46.617 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

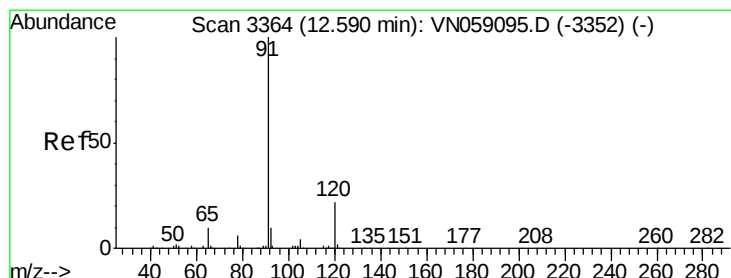
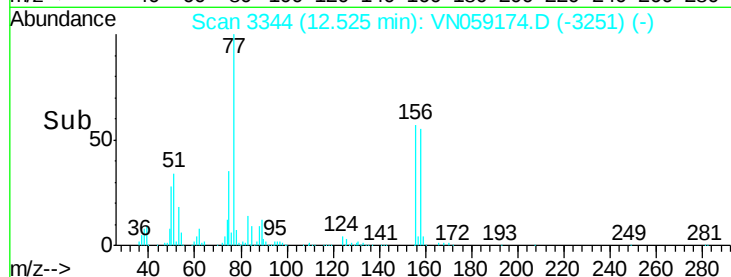
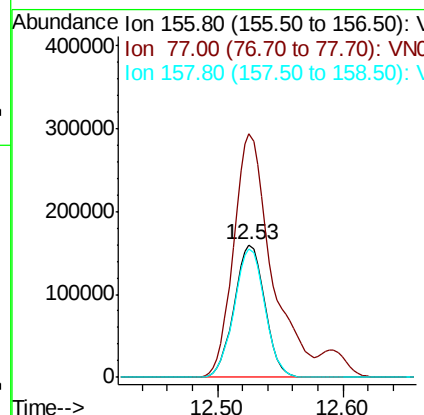
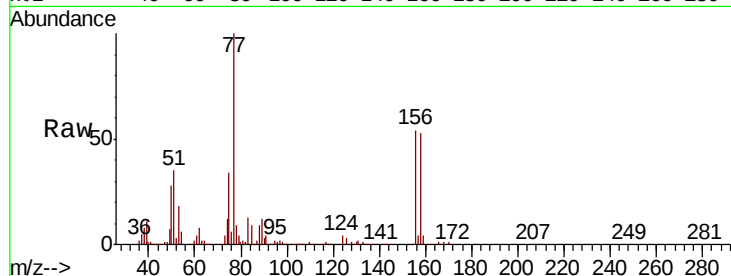
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	270173
Ion	Ratio	Lower	Upper
156	100		
77	227.3	112.8	338.3
158	97.0	48.4	145.3

Manual Integrations
APPROVED

MMDadoda
11/12/2019 11:20:13 AM



#78

n-propylbenzene

Concen: 49.379 ug/l

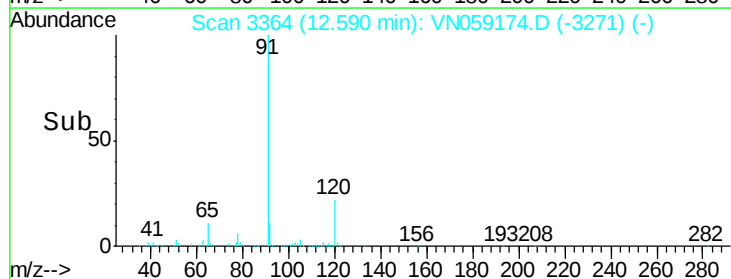
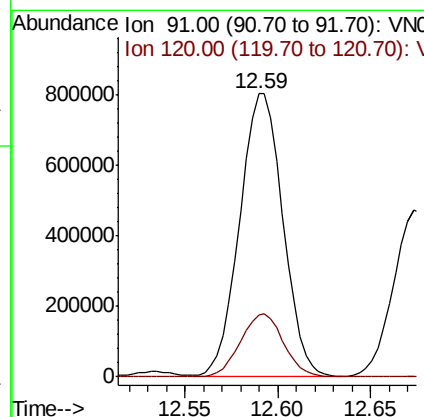
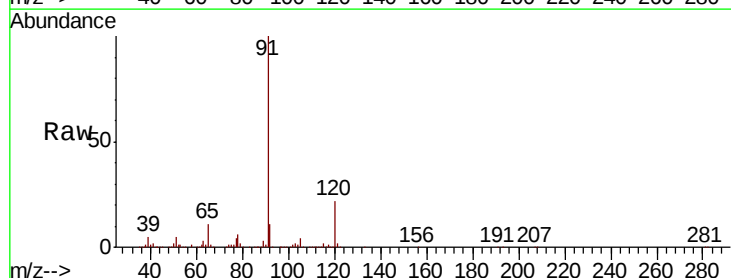
RT: 12.59 min Scan# 3364

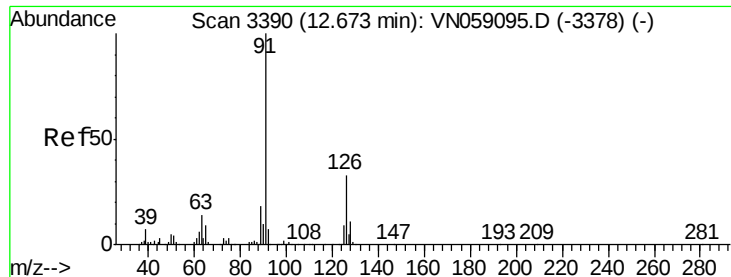
Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Tgt Ion:	91	Resp:	1304229
Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.2	33.5





#79

2-Chlorotoluene

Concen: 47.343 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 775722

Ion Ratio Lower Upper

91 100

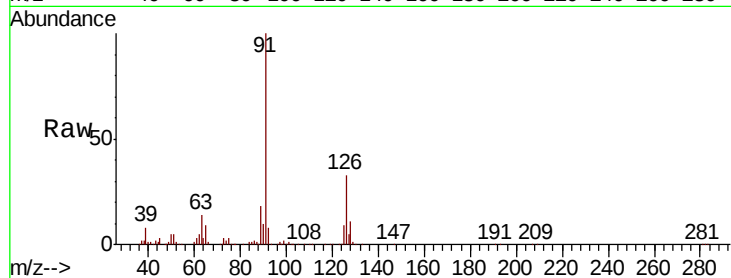
126 33.3 16.7 50.1

Manual Integrations

APPROVED

MMDadoda

11/12/2019 11:20:13 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

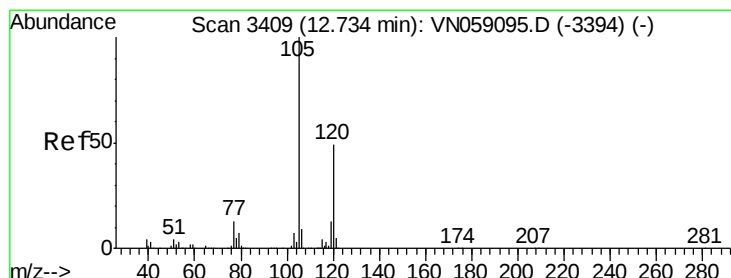
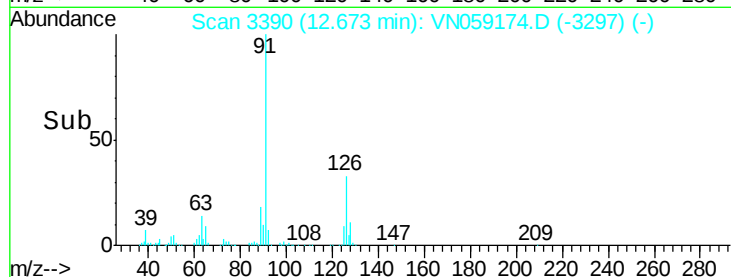
0

12.67

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.564 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059174.D

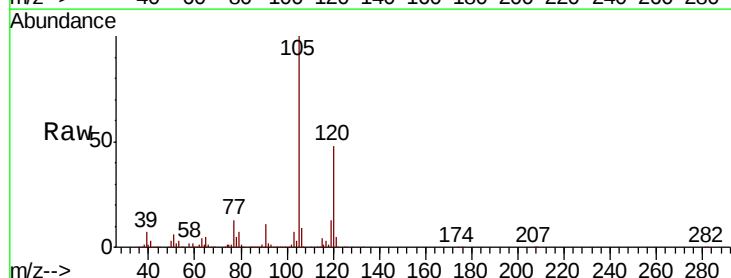
Acq: 11 Nov 2019 20:04

Tgt Ion: 105 Resp: 949268

Ion Ratio Lower Upper

105 100

120 48.3 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

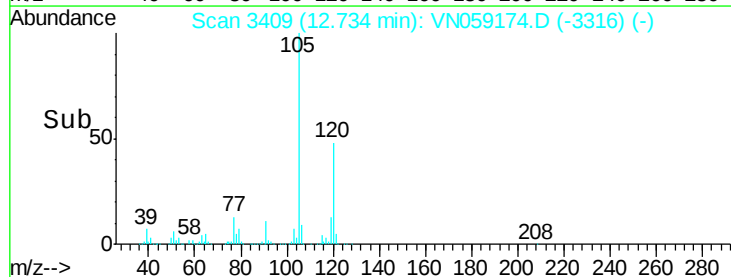
0

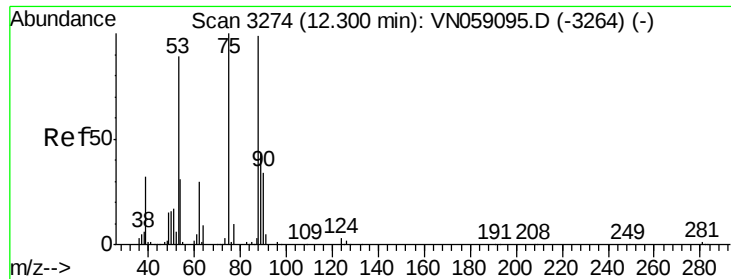
12.73

12.70

12.80

Time-->





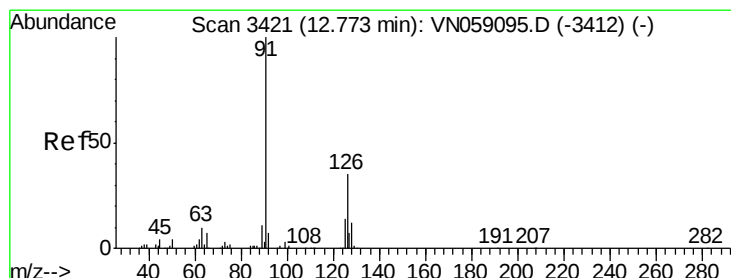
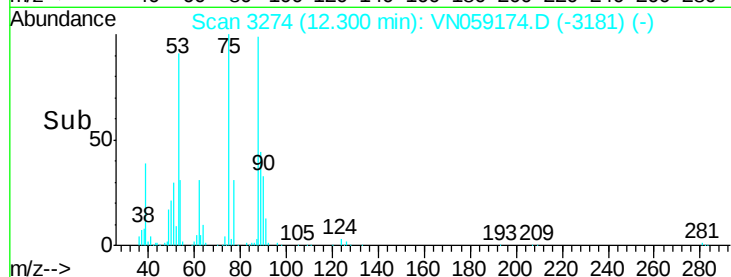
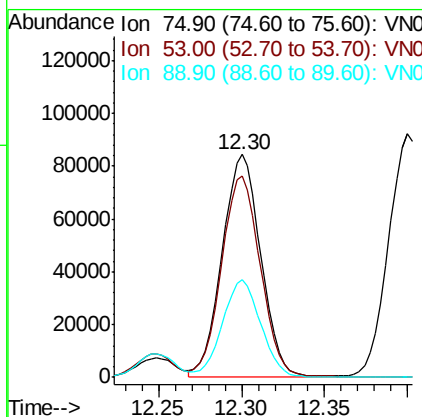
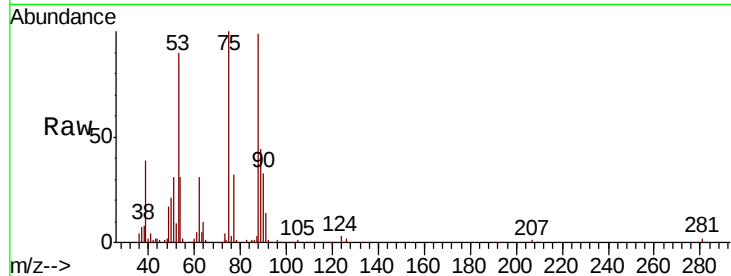
#81
trans-1,4-Dichloro-2-butene
Concen: 49.957 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.7	72.2	108.2
89	43.4	35.8	53.8

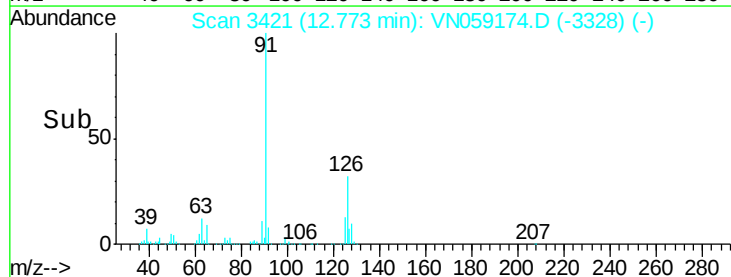
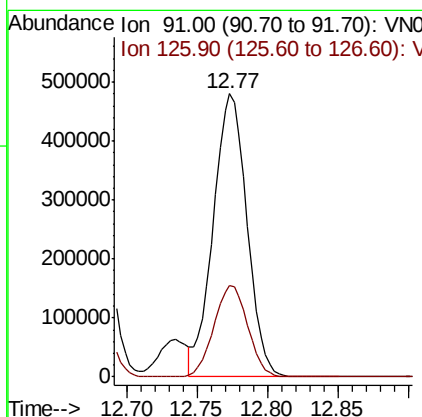
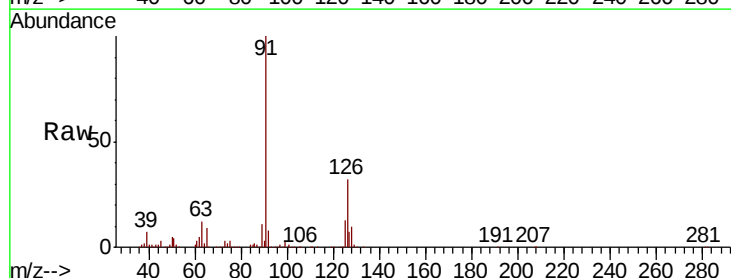
Manual Integrations
APPROVED

MMDadoda
11/12/2019 11:20:13 AM



#82
4-Chlorotoluene
Concen: 48.414 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.2





#83

tert-Butylbenzene

Concen: 47.419 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

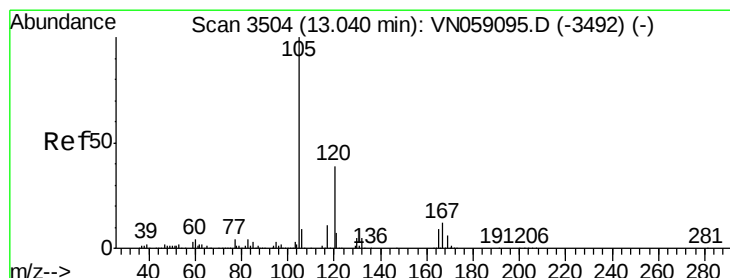
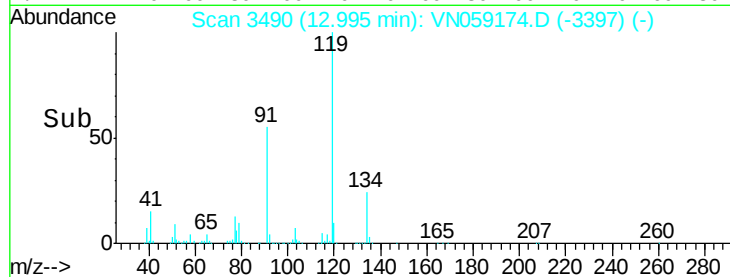
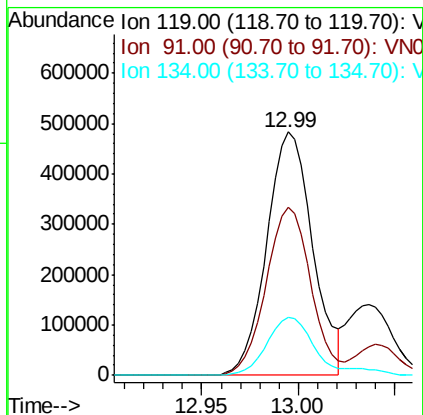
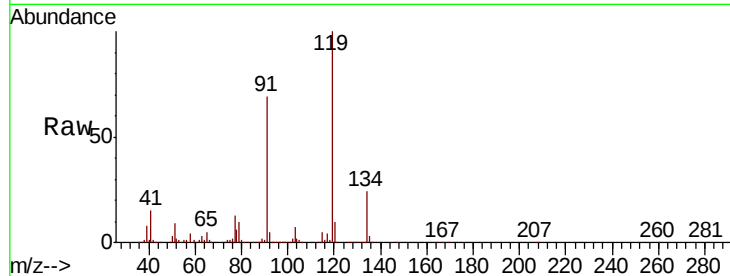
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	800426
Ion Ratio	Lower	Upper	
119	100		
91	67.2	33.2	99.6
134	25.7	12.7	38.1

Manual Integrations
APPROVED

MMDadoda
11/12/2019 11:20:13 AM



#84

1,2,4-Trimethylbenzene

Concen: 49.581 ug/l

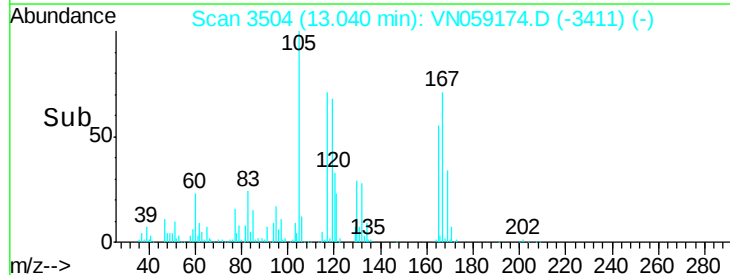
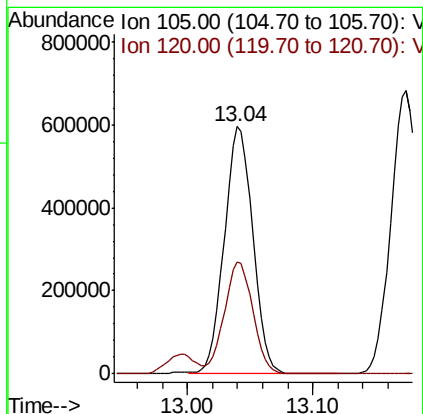
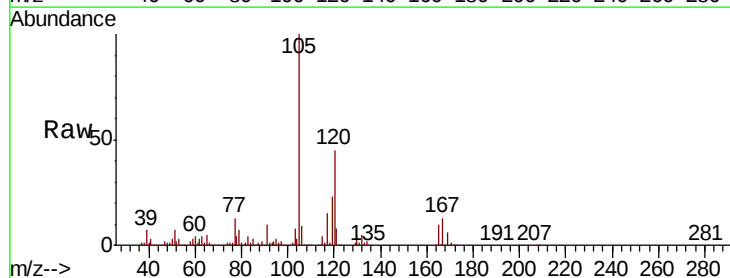
RT: 13.04 min Scan# 3504

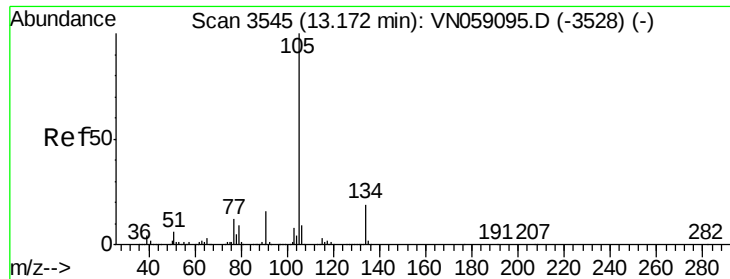
Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Tgt Ion:	105	Resp:	937627
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.8	68.4





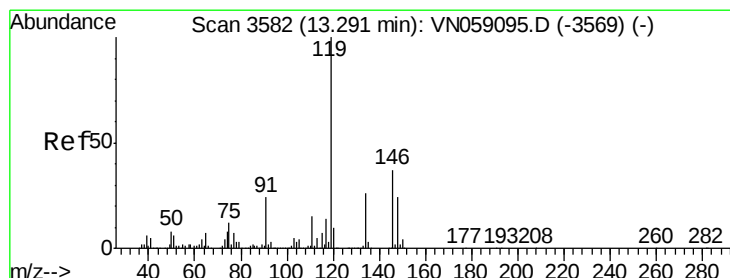
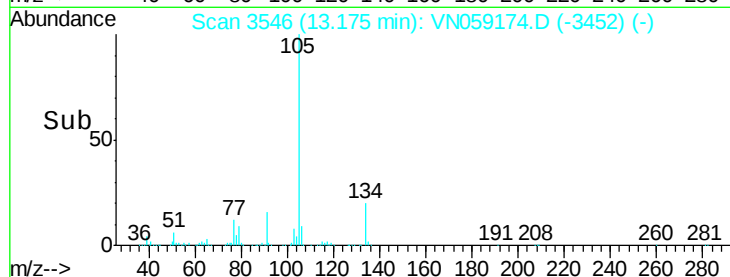
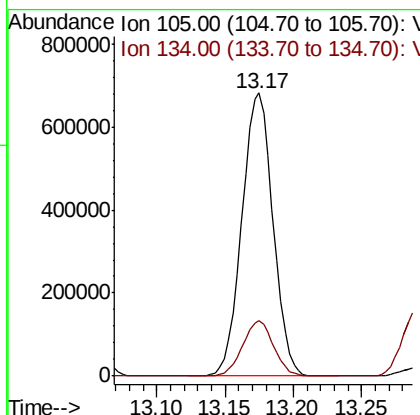
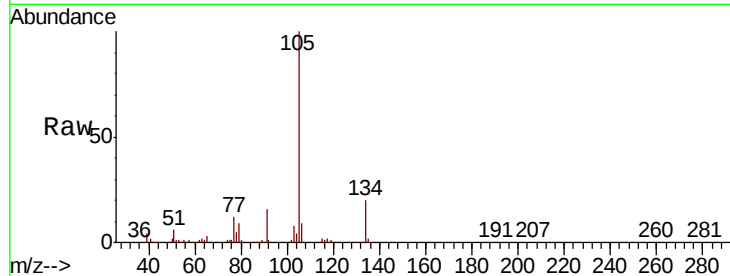
#85
 sec-Butylbenzene
 Concen: 49.030 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.7	29.1

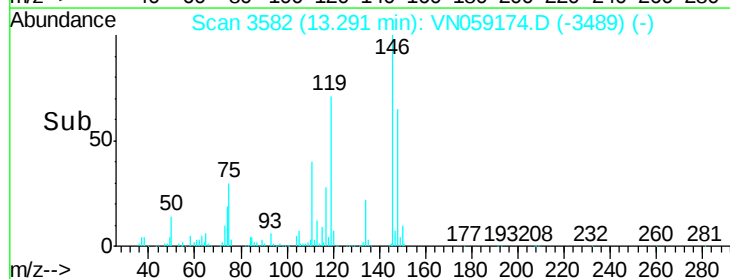
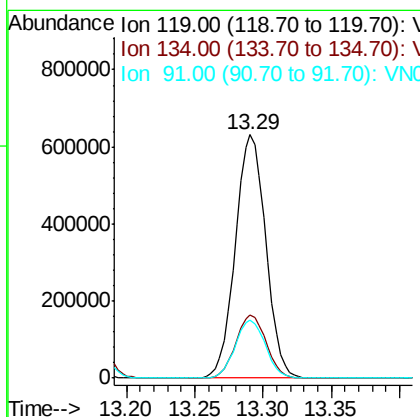
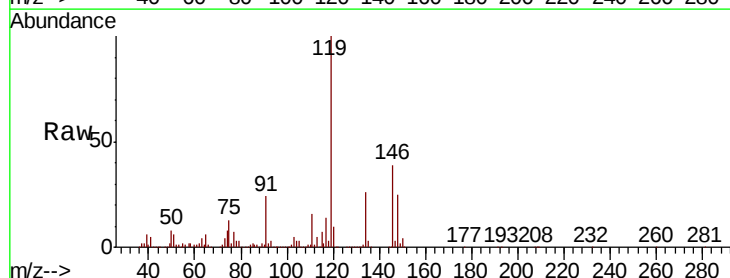
Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 11:20:13 AM



#86
 p-Isopropyltoluene
 Concen: 50.251 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	38.9
91	23.7	11.7	35.1





#87

1,3-Dichlorobenzene

Concen: 47.978 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

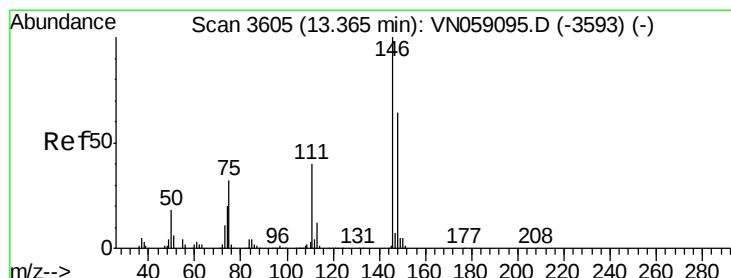
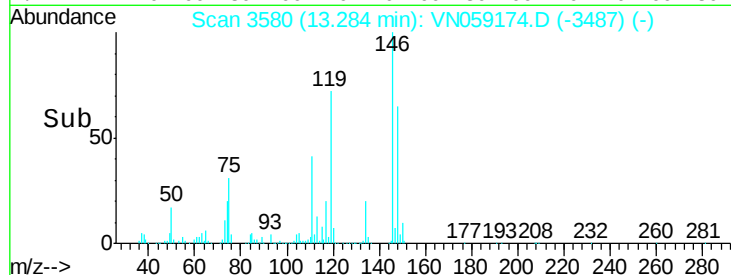
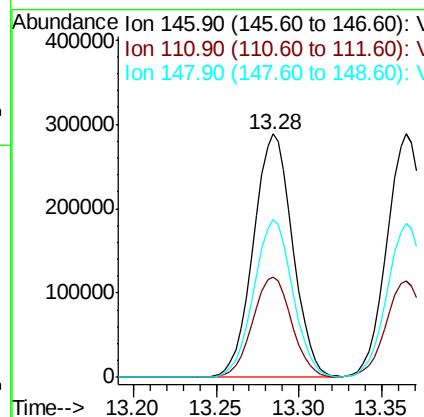
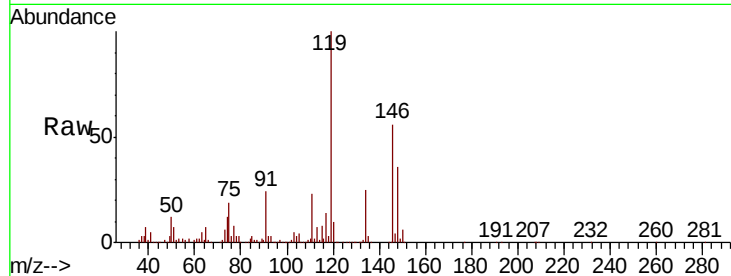
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	476154
Ion Ratio		Lower	Upper
146	100		
111	41.1	20.4	61.3
148	64.2	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
11/12/2019 11:20:13 AM



#88

1,4-Dichlorobenzene

Concen: 47.585 ug/l

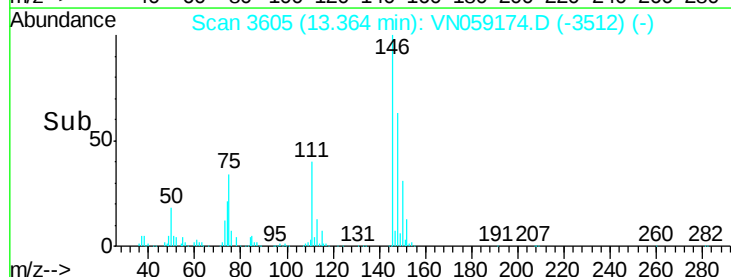
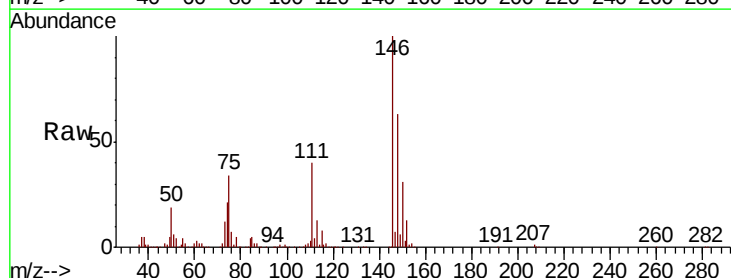
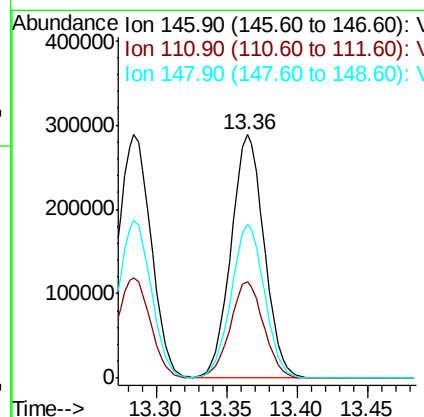
RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Tgt Ion:	146	Resp:	472509
Ion Ratio		Lower	Upper
146	100		
111	40.0	20.3	60.9
148	63.8	31.9	95.7





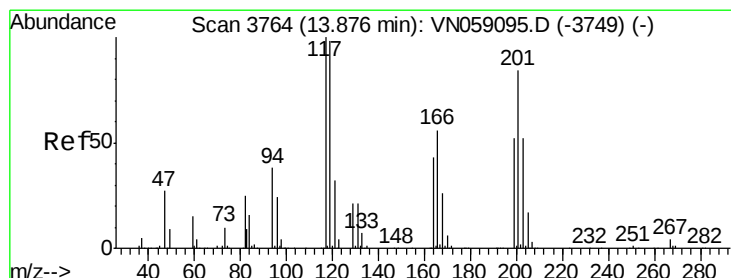
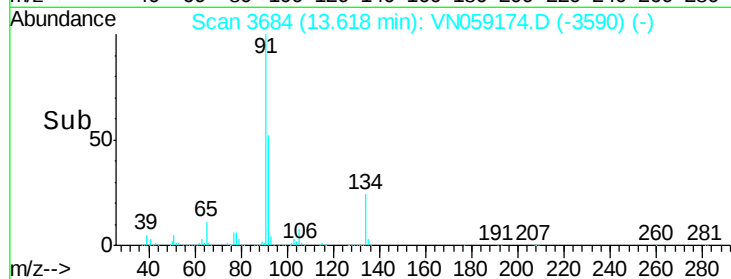
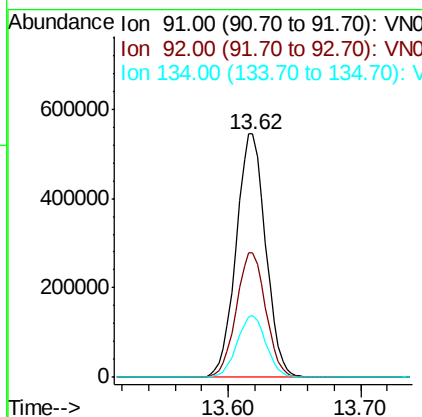
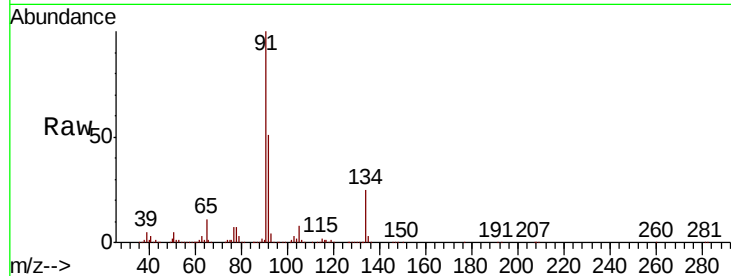
#89
n-Butylbenzene
Concen: 49.514 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.3
134	25.0	12.6	37.8

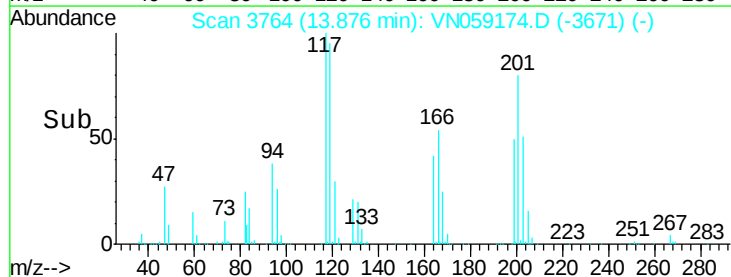
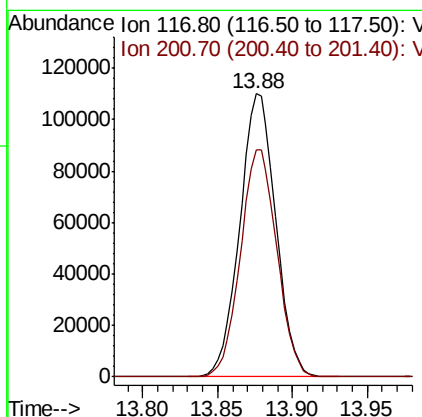
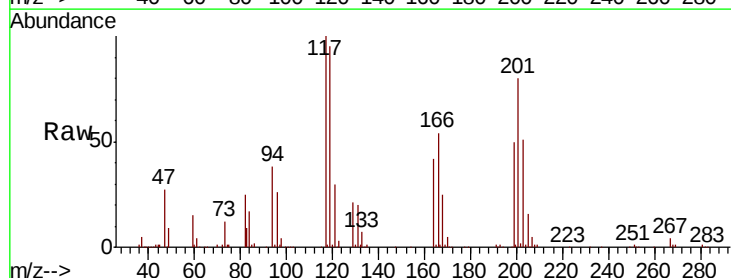
Manual Integrations
APPROVED

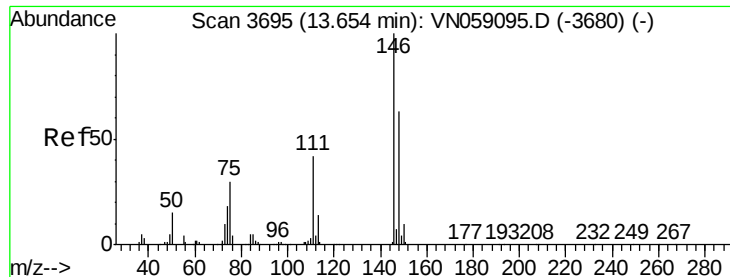
MMDadoda
11/12/2019 11:20:13 AM



#90
Hexachloroethane
Concen: 47.358 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	41.8	125.3





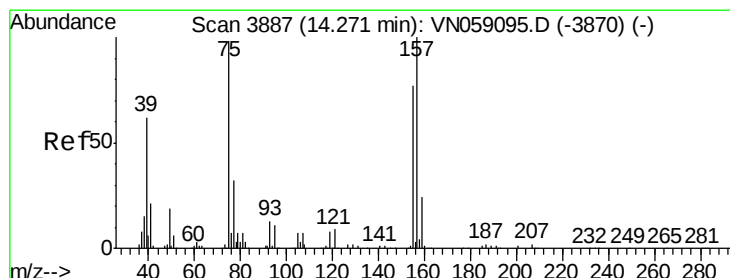
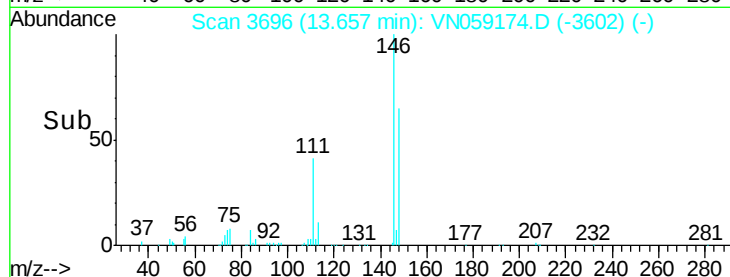
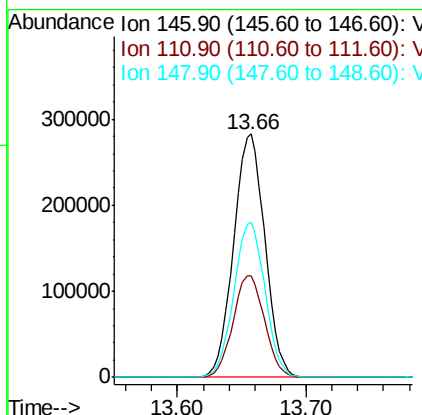
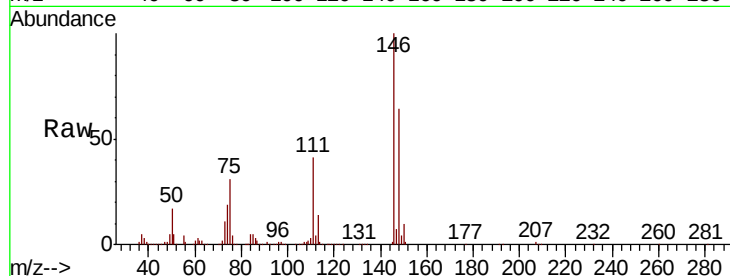
#91
 1,2-Dichlorobenzene
 Concen: 48.903 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.2	63.6
148	63.3	31.6	94.7

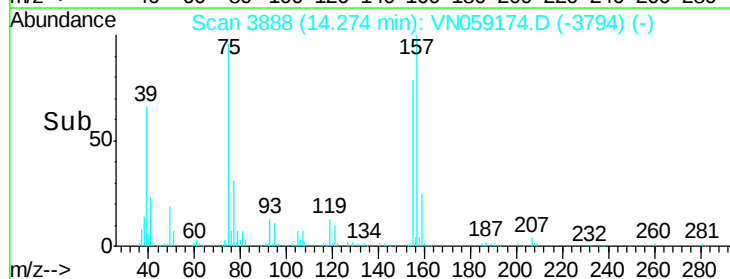
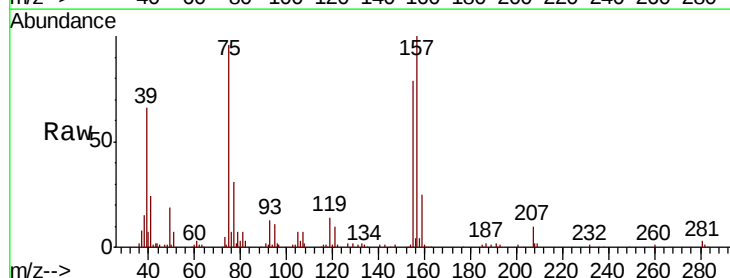
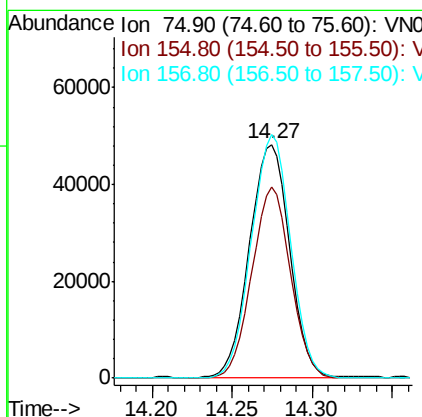
Manual Integrations
 APPROVED

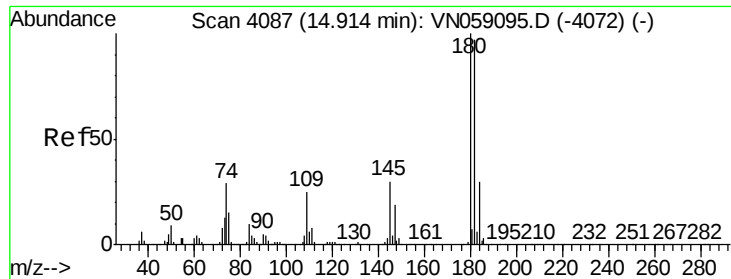
MMDadoda
 11/12/2019 11:20:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.147 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.5	40.2	120.6
157	101.7	51.8	155.5





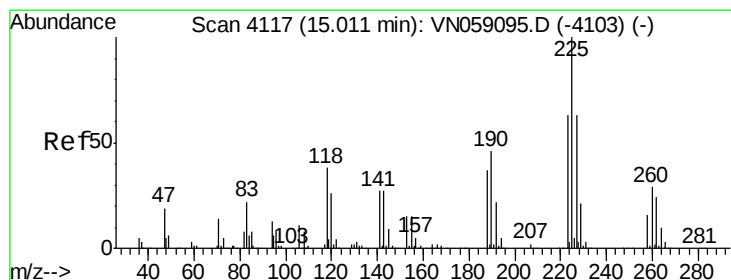
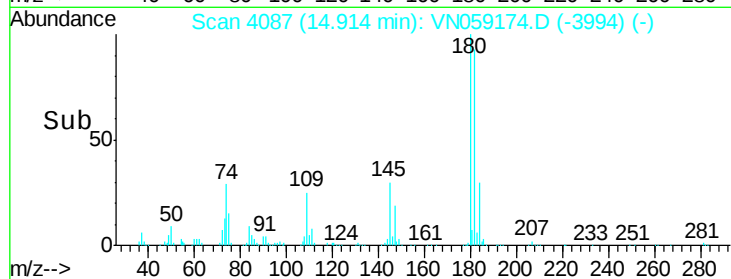
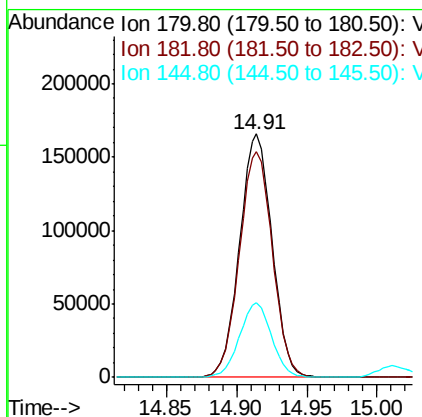
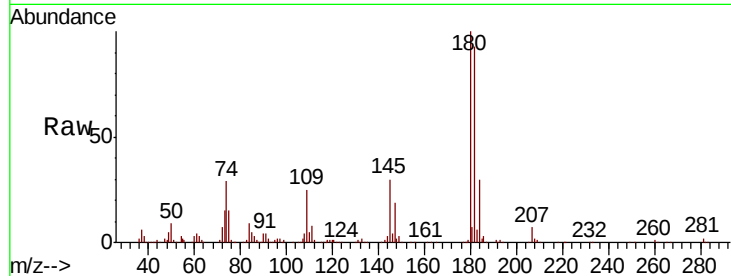
#93
 1,2,4-Trichlorobenzene
 Concen: 45.442 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	267414		
182	94.6	48.1	144.3	
145	30.2	15.1	45.3	

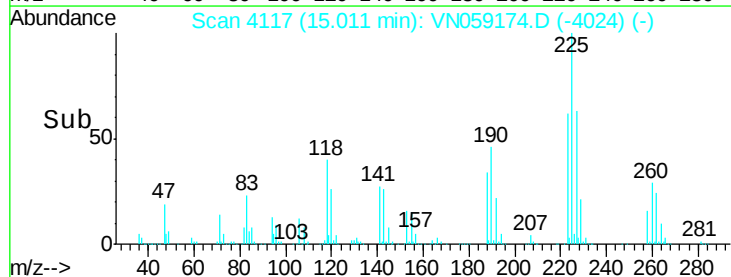
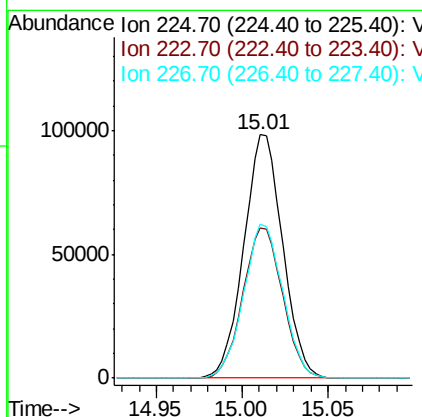
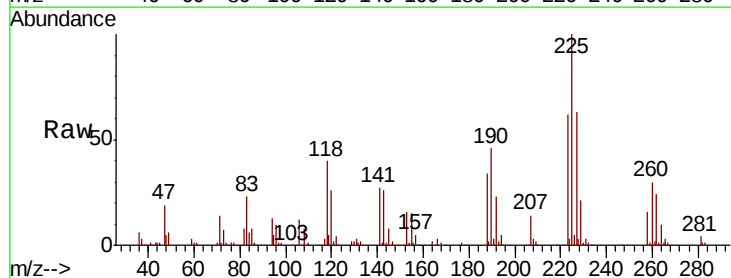
Manual Integrations
 APPROVED

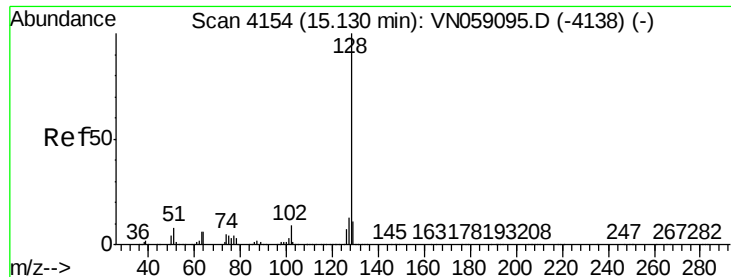
MMDadoda
 11/12/2019 11:20:13 AM



#94
 Hexachlorobutadiene
 Concen: 45.746 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	153993		
223	62.9	31.3	93.9	
227	63.6	31.5	94.5	





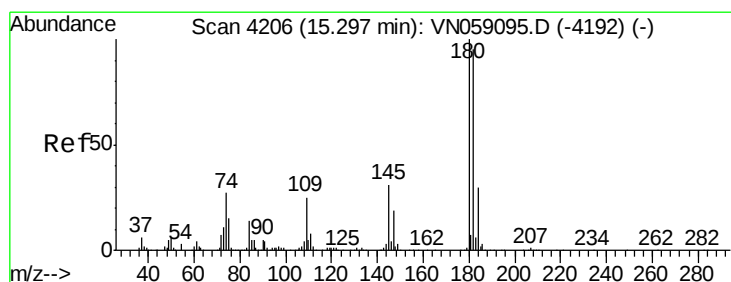
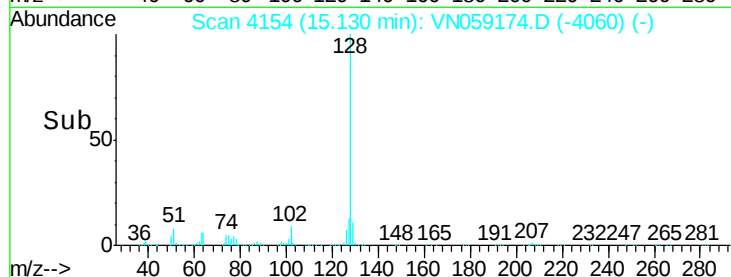
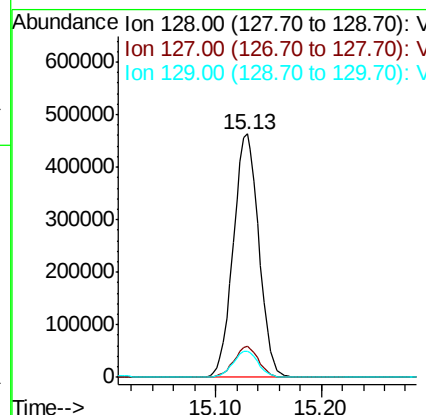
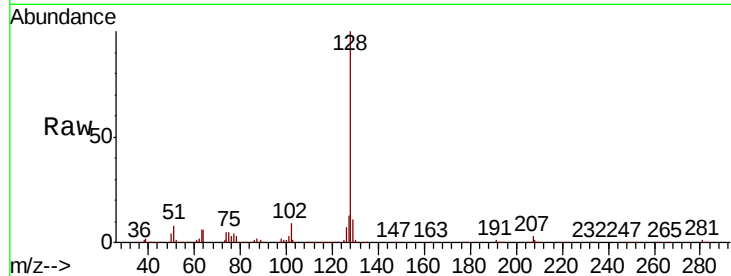
#95
Naphthalene
Concen: 47.170 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/12/2019 11:20:13 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.112 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	141.8
145	32.1	15.8	47.3

