

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058849.D
 Acq On : 18 Oct 2019 11:27
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101819

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 10:43:20 AM

Quant Time: Oct 19 00:35:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	442239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	715611	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	664291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324598	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	317801	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	7.57	113	228234	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	10.09	98	902680	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.40	95	333411	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	265415	48.136	ug/l	98
3) Chloromethane	2.04	50	316533	46.352	ug/l	100
4) Vinyl Chloride	2.17	62	327878	48.356	ug/l	99
5) Bromomethane	2.54	94	203746	47.985	ug/l	95
6) Chloroethane	2.68	64	203987	46.913	ug/l	99
7) Trichlorofluoromethane	3.00	101	393989	46.961	ug/l	99
8) Diethyl Ether	3.39	74	145263	50.104	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	220183	47.340	ug/l	100
10) Methyl Iodide	3.93	142	300845	49.180	ug/l	99
11) Tert butyl alcohol	4.75	59	255691	237.555	ug/l	100
12) 1,1-Dichloroethene	3.72	96	213328	48.933	ug/l	98
13) Acrolein	3.58	56	202142	273.326	ug/l	99
14) Allyl chloride	4.30	41	439969	49.873	ug/l	100
15) Acrylonitrile	4.96	53	673278	248.676	ug/l	100
16) Acetone	3.79	43	782096	244.019	ug/l	100
17) Carbon Disulfide	4.03	76	675166	48.076	ug/l	99
18) Methyl Acetate	4.30	43	337185	46.274	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	782685	51.271	ug/l	99
20) Methylene Chloride	4.53	84	252503	46.138	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	236987	49.222	ug/l	96
22) Diisopropyl ether	5.93	45	874863	50.701	ug/l	96
23) Vinyl Acetate	5.87	43	3800113	274.111	ug/l	99
24) 1,1-Dichloroethane	5.82	63	481555	48.129	ug/l	100
25) 2-Butanone	6.81	43	1035597	248.911	ug/l	100
26) 2,2-Dichloropropane	6.80	77	428300	49.489	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	274053	49.828	ug/l	99
28) Bromochloromethane	7.17	49	161758	48.544	ug/l	98
29) Tetrahydrofuran	7.19	42	646675	254.084	ug/l	100
30) Chloroform	7.35	83	473960	47.224	ug/l	99
31) Cyclohexane	7.63	56	450600	48.342	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	414703	49.021	ug/l	99
36) 1,1-Dichloropropene	7.78	75	368910	50.354	ug/l	99
37) Ethyl Acetate	6.91	43	403654	50.565	ug/l	100
38) Carbon Tetrachloride	7.76	117	367999	48.757	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058849.D
 Acq On : 18 Oct 2019 11:27
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 ICVVN101819

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 10:43:20 AM

Quant Time: Oct 19 00:35:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	428130	52.043	ug/l	99
40) Benzene	8.02	78	1062988	49.410	ug/l	99
41) Methacrylonitrile	7.15	41	155207m	43.653	ug/l	
42) 1,2-Dichloroethane	8.11	62	396341	47.825	ug/l	100
43) Isopropyl Acetate	8.15	43	645480	50.417	ug/l	100
44) Trichloroethene	8.82	130	257223	49.082	ug/l	100
45) 1,2-Dichloropropane	9.11	63	291547	49.420	ug/l	98
46) Dibromomethane	9.20	93	183420	49.181	ug/l	98
47) Bromodichloromethane	9.39	83	378462	49.236	ug/l	100
48) Methyl methacrylate	9.19	41	302484	52.074	ug/l	100
49) 1,4-Dioxane	9.19	88	91592	960.546	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2027371	271.108	ug/l	99
52) Toluene	10.15	92	653119	51.193	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	440417	51.757	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	461787	50.796	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	253821	48.295	ug/l	99
56) Ethyl methacrylate	10.43	69	420576	47.738	ug/l	99
57) 1,3-Dichloropropane	10.70	76	454596	49.282	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	896601	240.720	ug/l	100
59) 2-Hexanone	10.75	43	1558960	269.784	ug/l	99
60) Dibromochloromethane	10.90	129	281283	49.723	ug/l	100
61) 1,2-Dibromoethane	11.00	107	266838	49.611	ug/l	100
64) Tetrachloroethene	10.63	164	227139	48.823	ug/l	99
65) Chlorobenzene	11.43	112	683353	50.529	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	255700	50.104	ug/l	99
67) Ethyl Benzene	11.51	91	1269404	53.506	ug/l	99
68) m/p-Xylenes	11.62	106	944227	107.322	ug/l	99
69) o-Xylene	11.95	106	446757	53.242	ug/l	99
70) Styrene	11.96	104	756894	48.906	ug/l	99
71) Bromoform	12.13	173	201497	50.916	ug/l #	97
73) Isopropylbenzene	12.25	105	1227540	51.747	ug/l	100
74) N-amyl acetate	12.07	43	580147	53.944	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	401996	48.194	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	350966m	46.653	ug/l	
77) Bromobenzene	12.53	156	284776	48.704	ug/l	100
78) n-propylbenzene	12.59	91	1465081	52.249	ug/l	100
79) 2-Chlorotoluene	12.68	91	850916	49.582	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1047352	52.549	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	145936	50.536	ug/l	98
82) 4-Chlorotoluene	12.78	91	885262	50.476	ug/l	100
83) tert-Butylbenzene	13.00	119	885103	51.932	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1056921	53.764	ug/l	100
85) sec-Butylbenzene	13.18	105	1206843	53.110	ug/l	99
86) p-Isopropyltoluene	13.29	119	1087553	54.242	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	521826	49.912	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	516741	49.366	ug/l	99
89) n-Butylbenzene	13.62	91	1000722	54.334	ug/l	100
90) Hexachloroethane	13.88	117	195016	48.000	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	515212	50.138	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	87750	46.512	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
Data File : VN058849.D
Acq On : 18 Oct 2019 11:27
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:20 AM

Quant Time: Oct 19 00:35:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	304937	47.283	ug/l	99
94) Hexachlorobutadiene	15.01	225	163660	49.138	ug/l	100
95) Naphthalene	15.13	128	872351	47.056	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	293287	46.735	ug/l	99

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

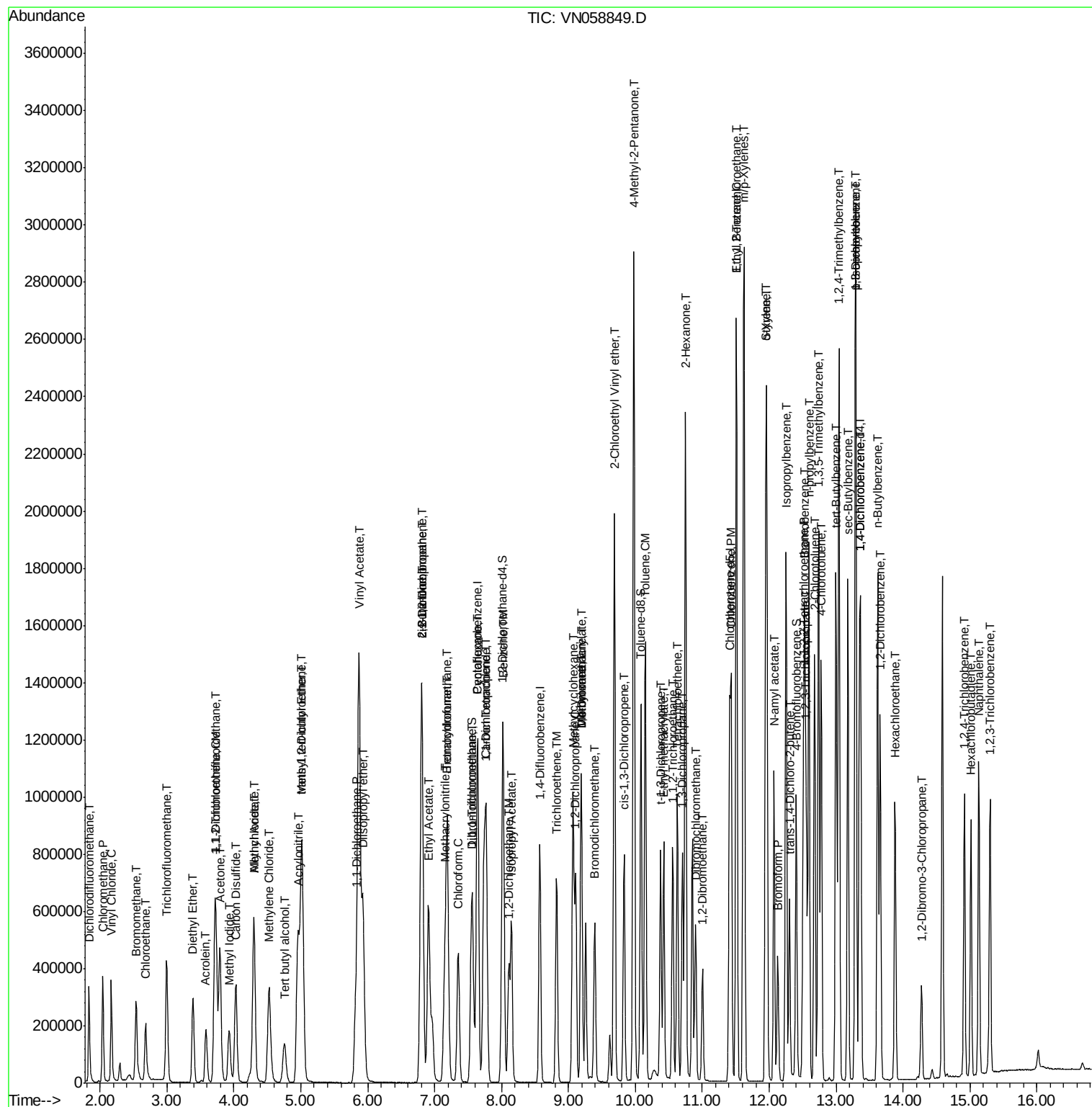
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058849.D
 Acq On : 18 Oct 2019 11:27
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

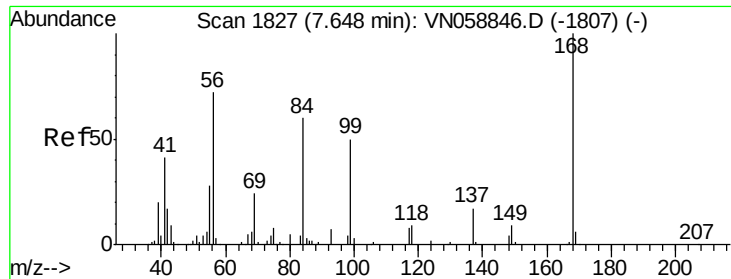
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101819

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 10:43:20 AM

Quant Time: Oct 19 00:35:41 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101819

Tot Ion:168 Resp: 442239

Ion Ratio Lower Upper

168 100

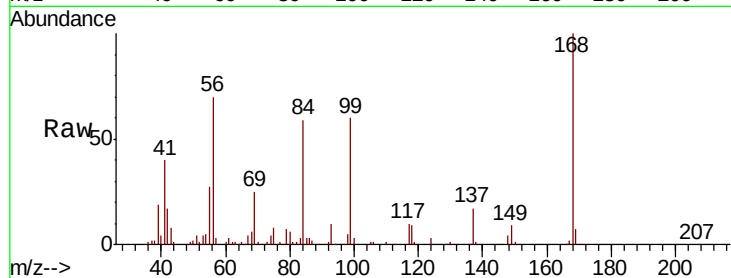
99 60.3 48.1 72.1

Manual Integrations

APPROVED

MMDadoda

10/21/2019 10:43:20 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

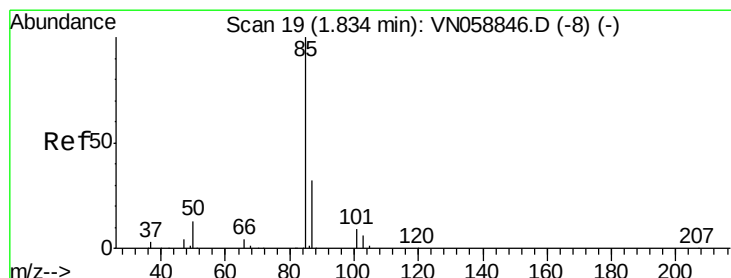
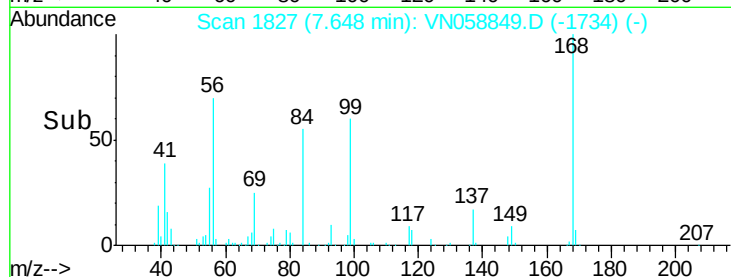
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.136 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058849.D

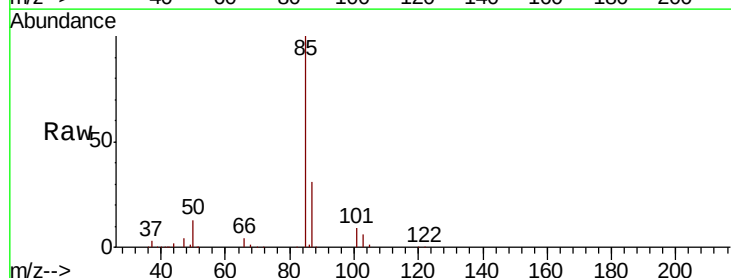
Acq: 18 Oct 2019 11:27

Tgt Ion: 85 Resp: 265415

Ion Ratio Lower Upper

85 100

87 31.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

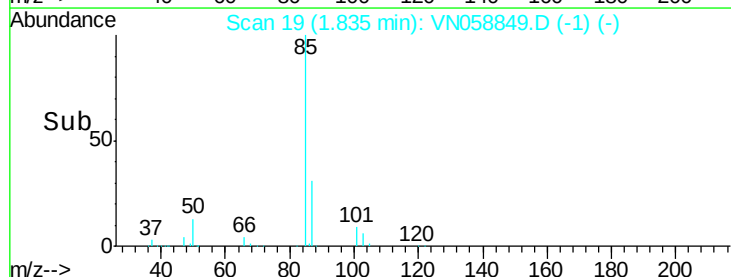
100000

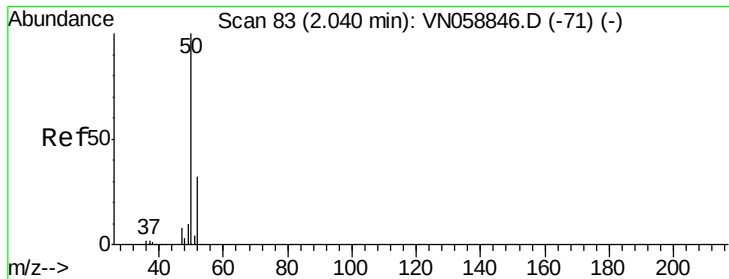
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.352 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101819

Tot Ion: 50 Resp: 316533

Ion Ratio Lower Upper

50 100

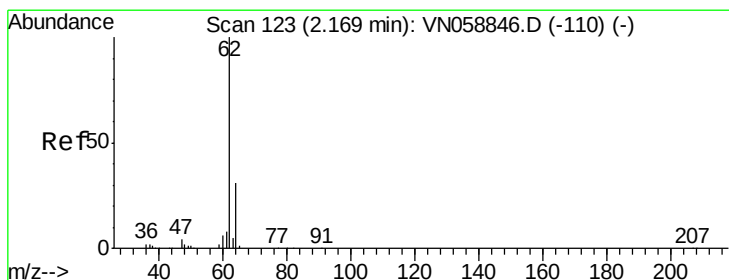
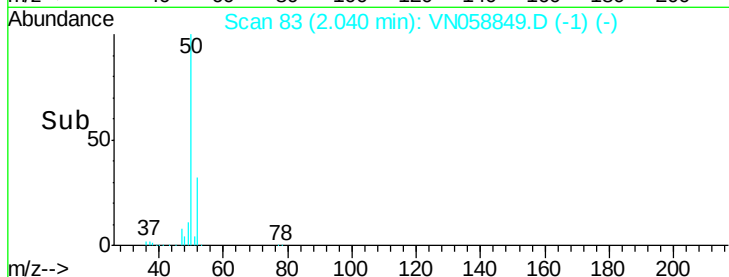
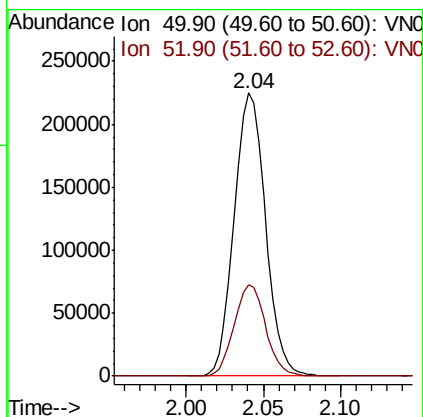
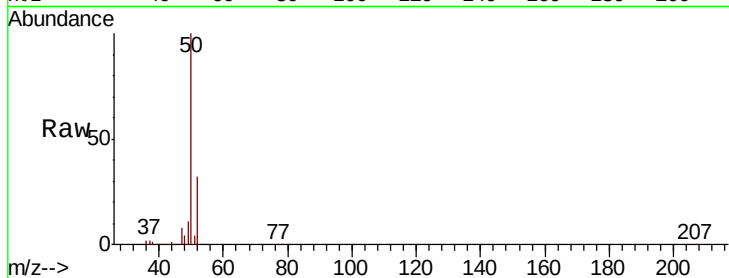
52 32.3 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

10/21/2019 10:43:20 AM



#4

Vinyl Chloride

Concen: 48.356 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058849.D

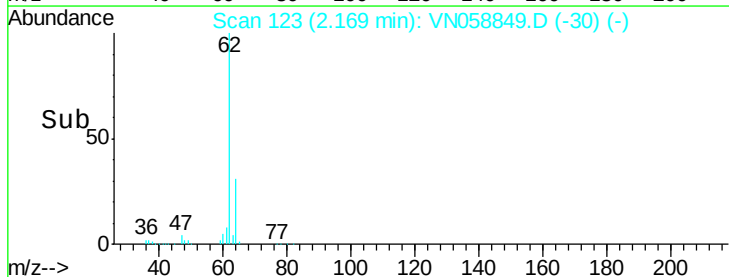
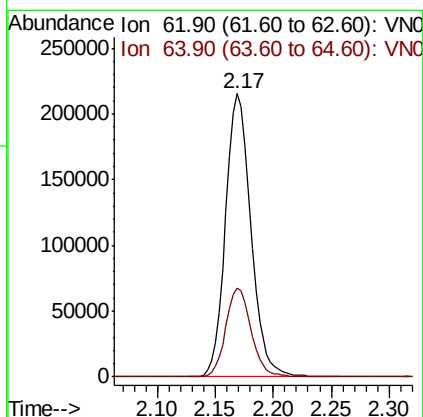
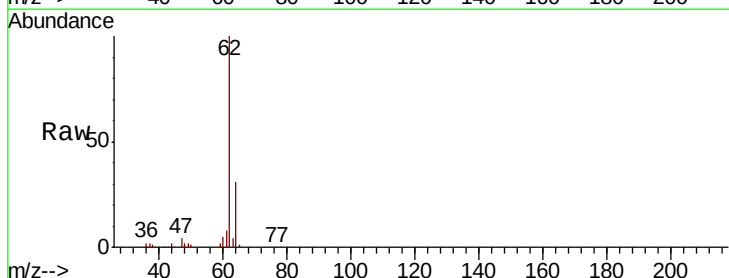
Acq: 18 Oct 2019 11:27

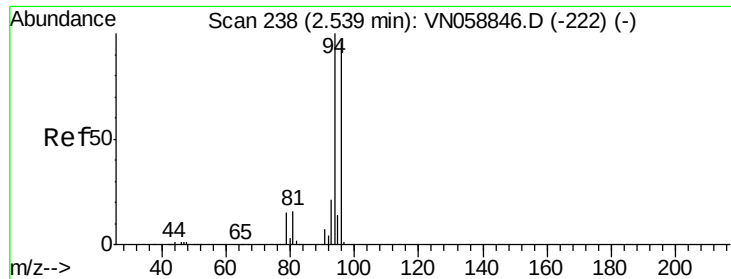
Tgt Ion: 62 Resp: 327878

Ion Ratio Lower Upper

62 100

64 31.2 24.6 36.8





#5

Bromomethane

Concen: 47.985 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101819

Tot Ion: 94 Resp: 203746

Ion Ratio Lower Upper

94 100

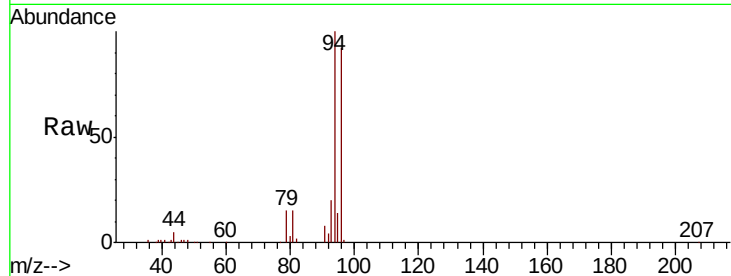
96 91.8 77.0 115.6

Manual Integrations

APPROVED

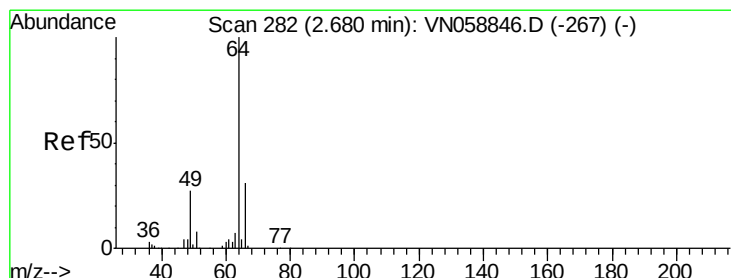
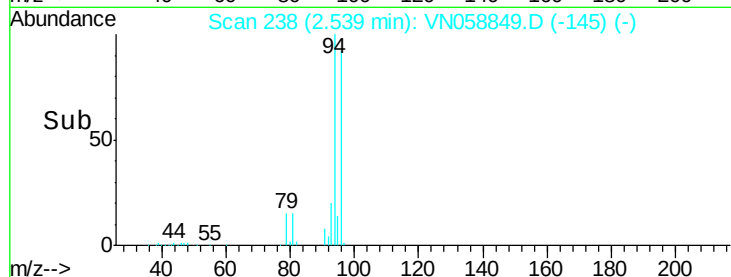
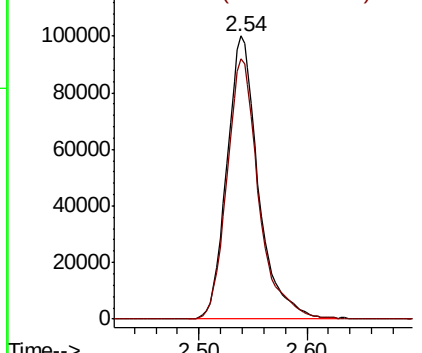
MMDadoda

10/21/2019 10:43:20 AM



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 46.913 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN058849.D

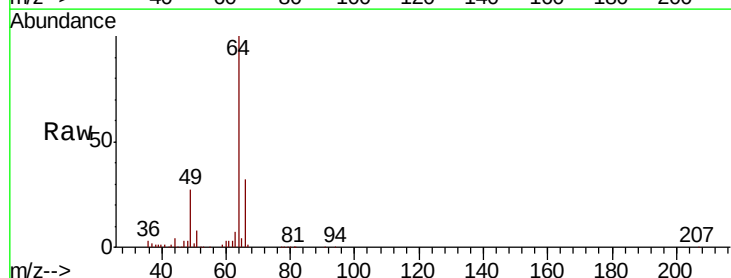
Acq: 18 Oct 2019 11:27

Tgt Ion: 64 Resp: 203987

Ion Ratio Lower Upper

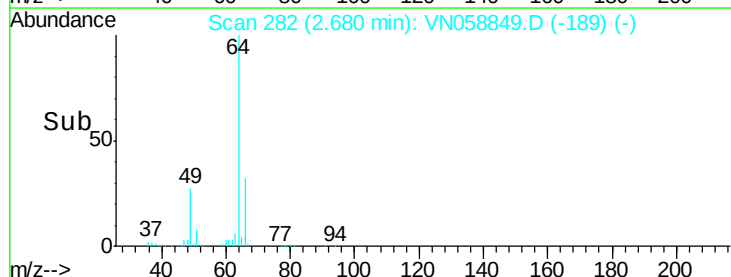
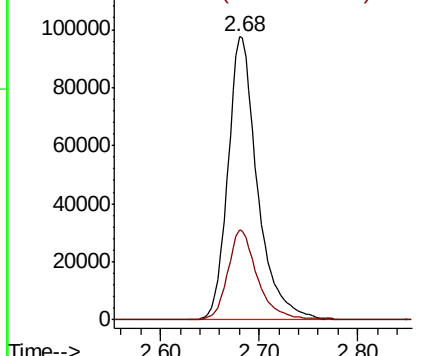
64 100

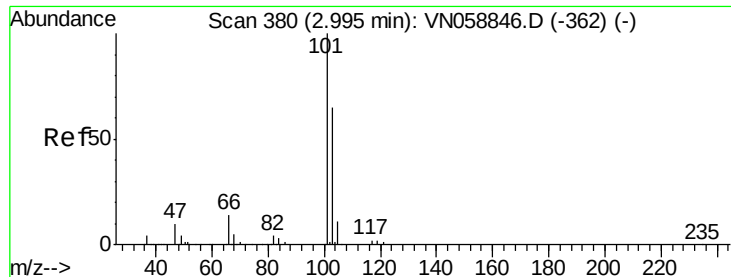
66 31.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

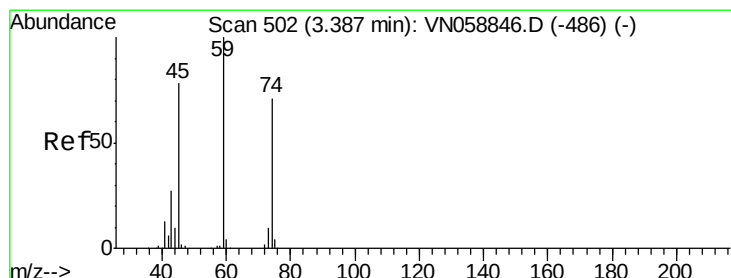
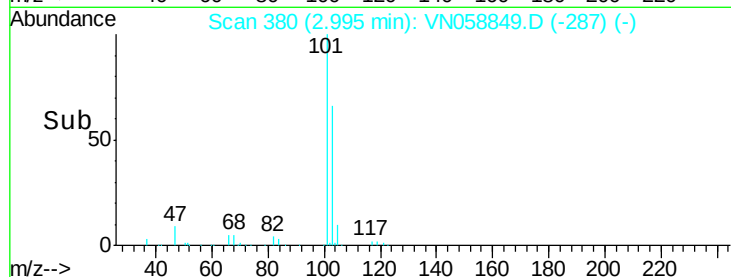
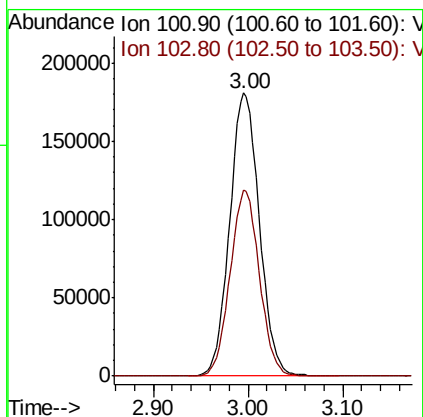
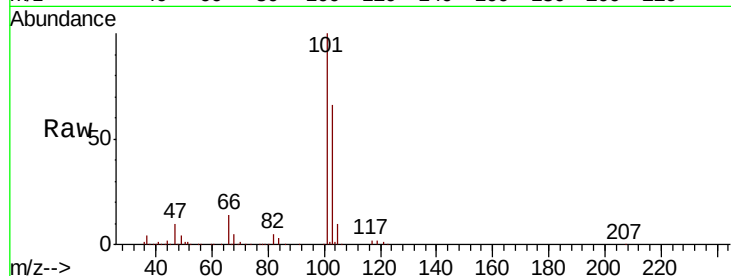
Trichlorofluoromethane
Concen: 46.961 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion	Ratio	Resp	Lower	Upper
101	100	393989		
103	65.7	52.2	78.2	

Manual Integrations
APPROVED

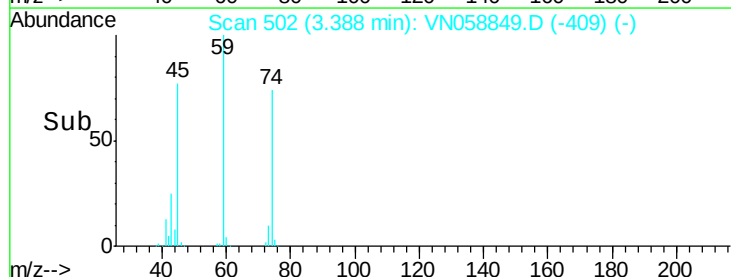
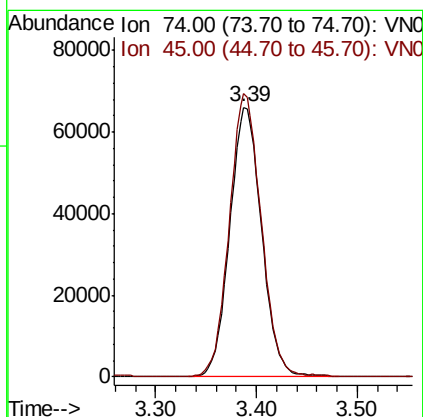
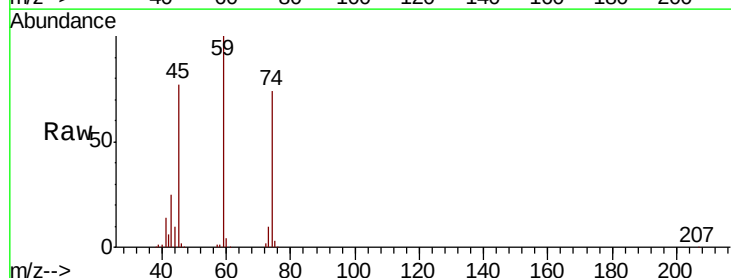
MMDadoda
10/21/2019 10:43:20 AM

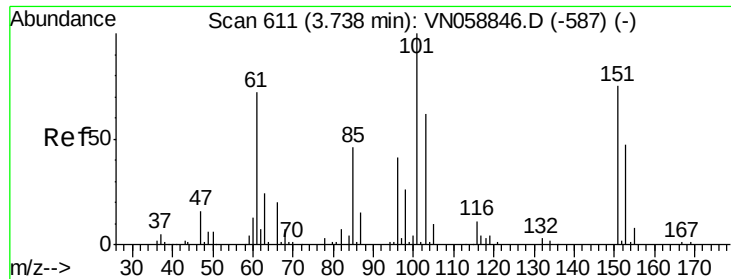


#8

Diethyl Ether
Concen: 50.104 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	145263		
45	105.1	54.9	164.5	





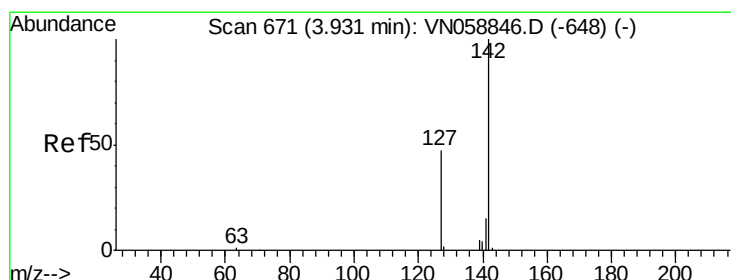
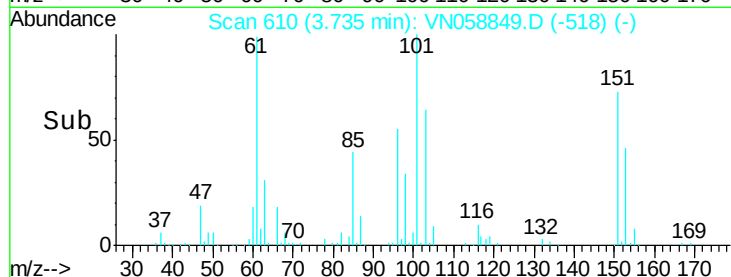
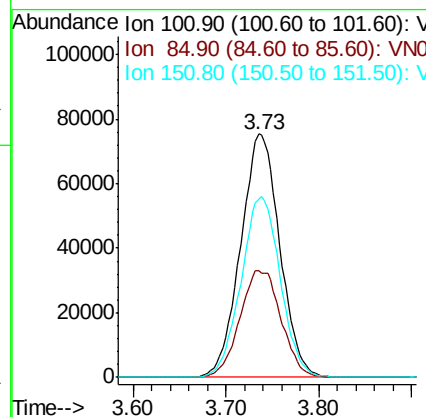
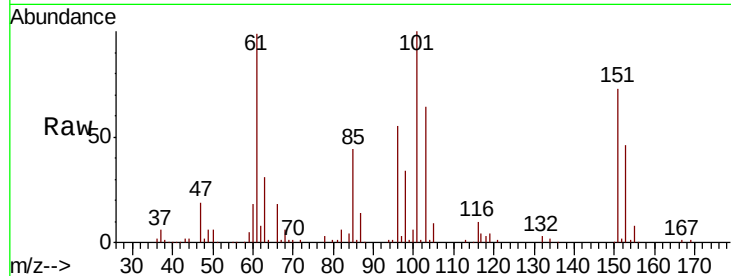
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.340 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.3	37.2	55.8
151	74.7	59.9	89.9

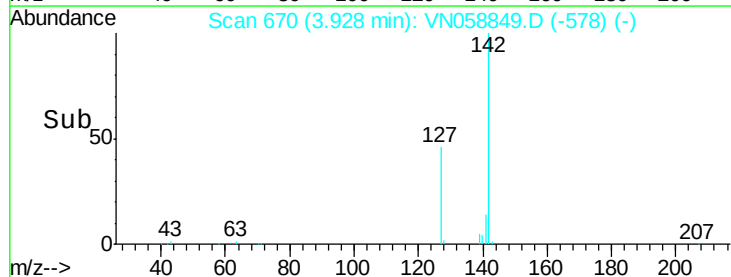
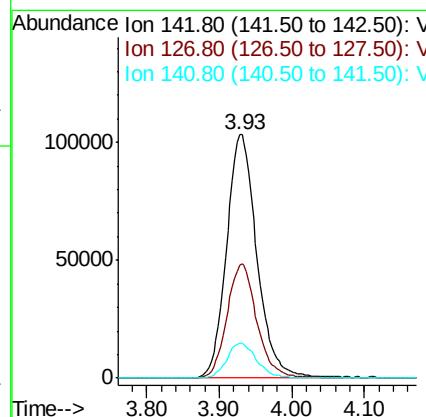
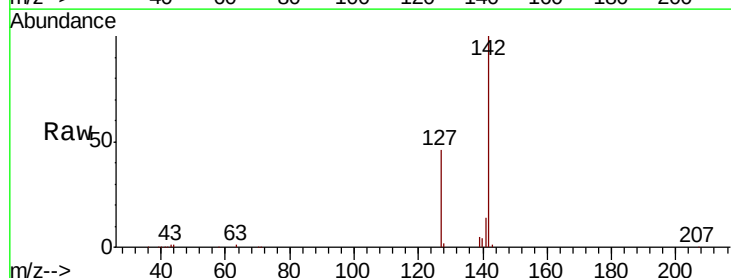
Manual Integrations
APPROVED

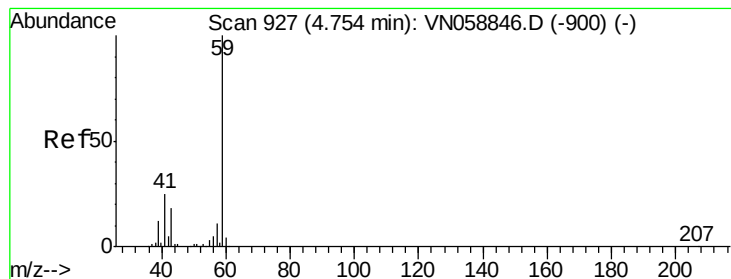
MMDadoda
10/21/2019 10:43:20 AM



#10
Methyl Iodide
Concen: 49.180 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.3	36.6	54.8
141	14.1	11.4	17.2





#11

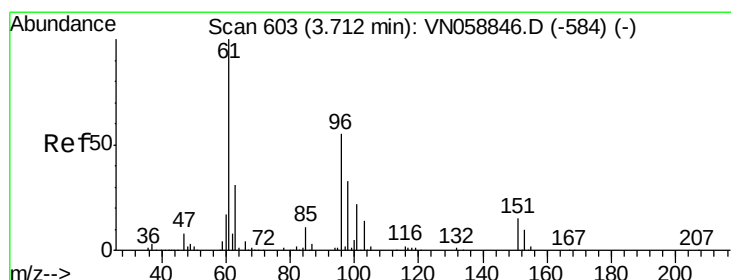
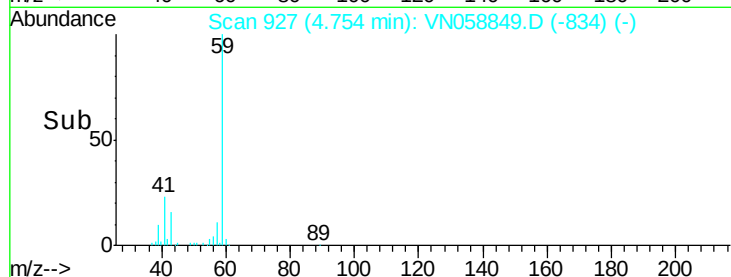
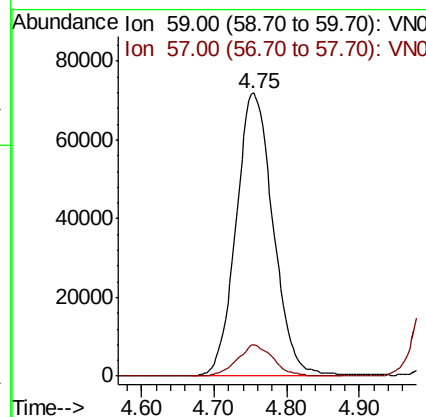
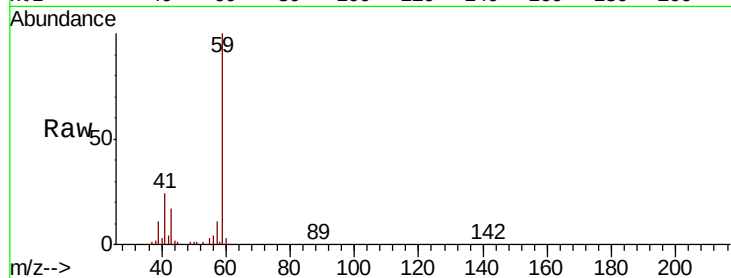
Tert butyl alcohol
Concen: 237.555 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion	Ratio	Resp	Lower	Upper
59	100	255691		
57	10.8		8.6	12.8

Manual Integrations
APPROVED

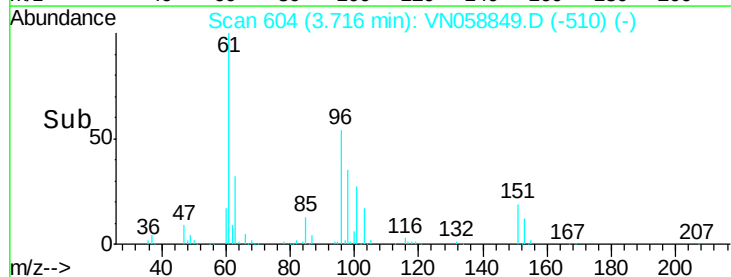
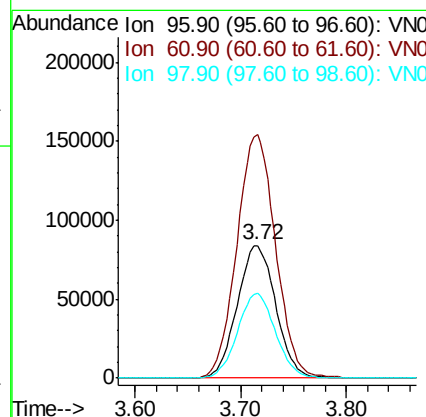
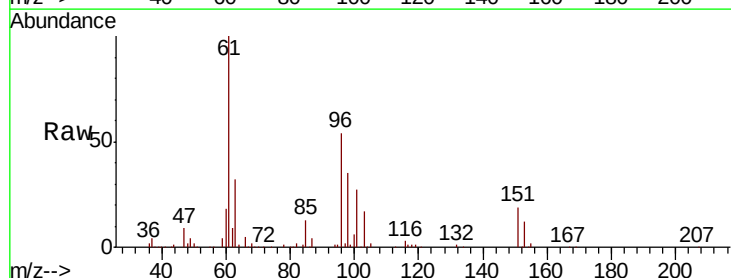
MMDadoda
10/21/2019 10:43:20 AM

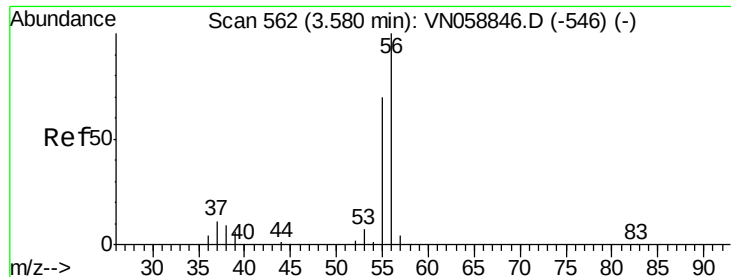


#12

1,1-Dichloroethene
Concen: 48.933 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	213328		
61	184.0		146.2	219.2
98	64.1		48.7	73.1





#13

Acrolein

Concen: 273.326 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101819

Tot Ion: 56 Resp: 202142

Ion Ratio Lower Upper

56 100

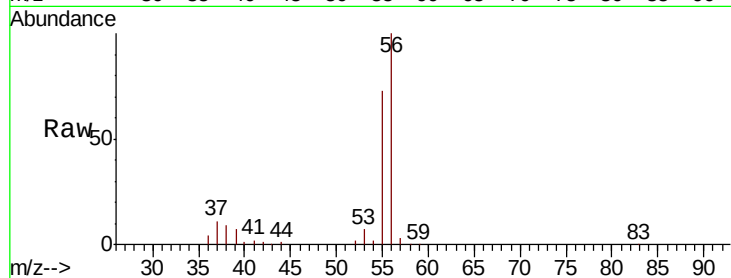
55 71.5 56.6 85.0

Manual Integrations

APPROVED

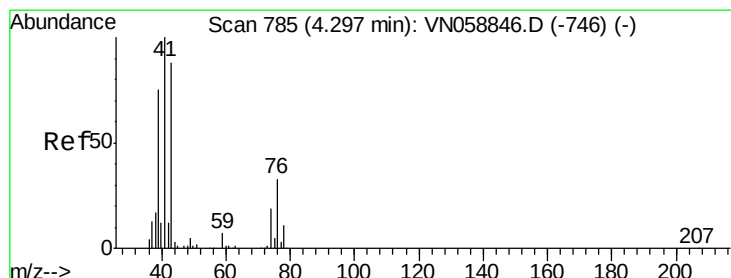
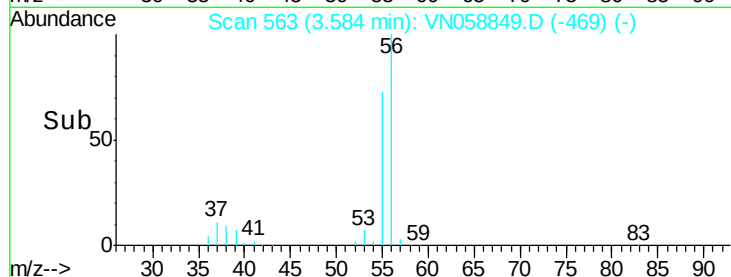
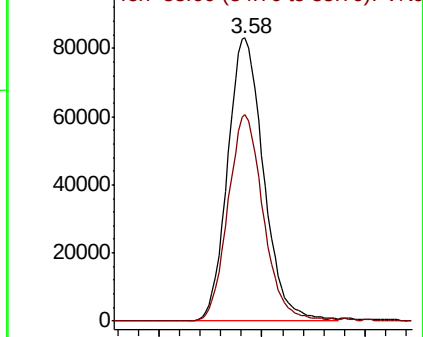
MMDadoda

10/21/2019 10:43:20 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 49.873 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

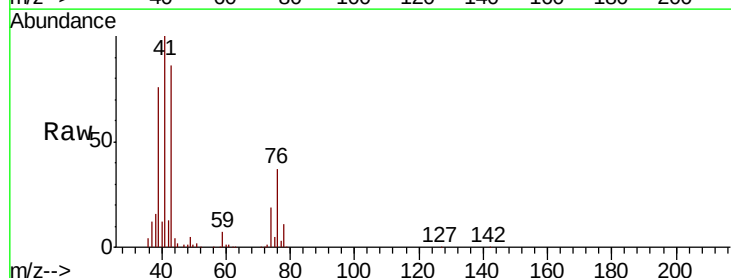
Tgt Ion: 41 Resp: 439969

Ion Ratio Lower Upper

41 100

39 69.8 55.9 83.9

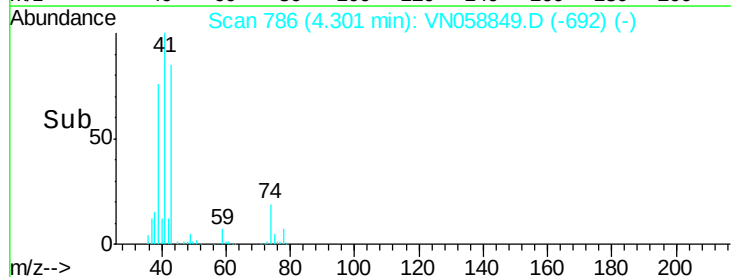
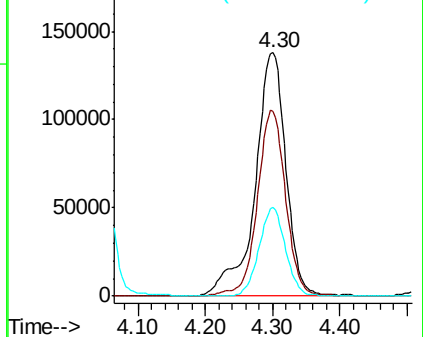
76 30.7 24.1 36.1

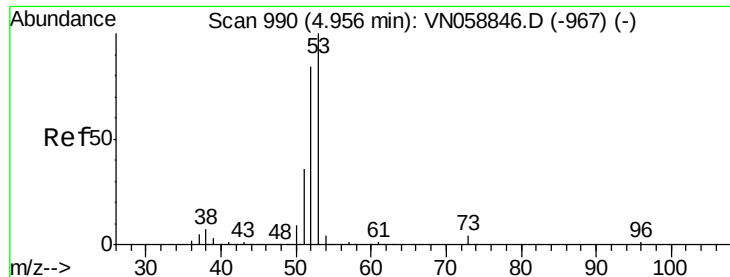


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 248.676 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

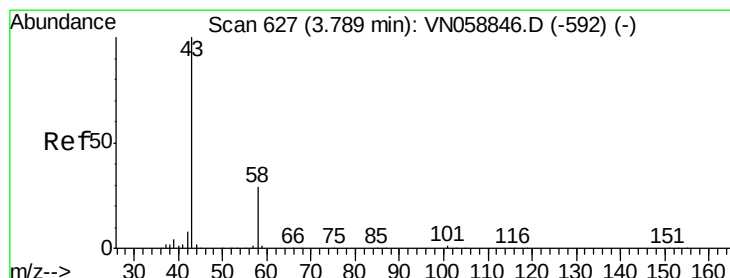
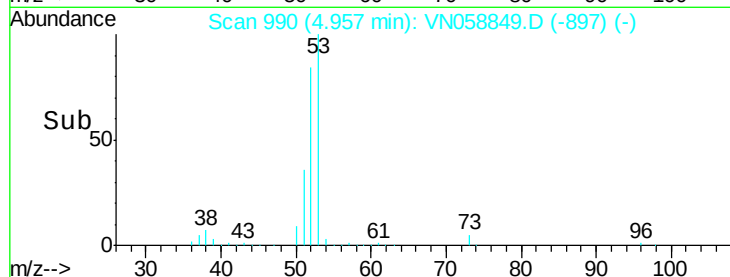
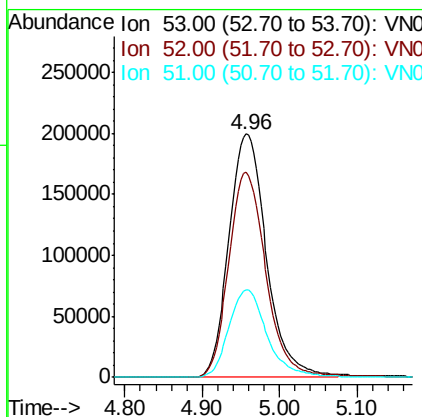
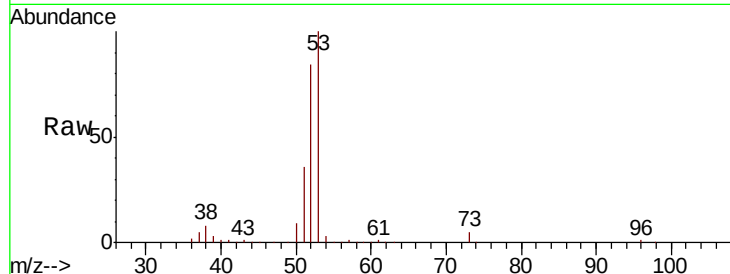
ClientSampleId :

ICVFN101819

Tot Ion:	53	Resp:	673278
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	99.8
51	36.7	29.2	43.8

Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:20 AM



#16

Acetone

Concen: 244.019 ug/l

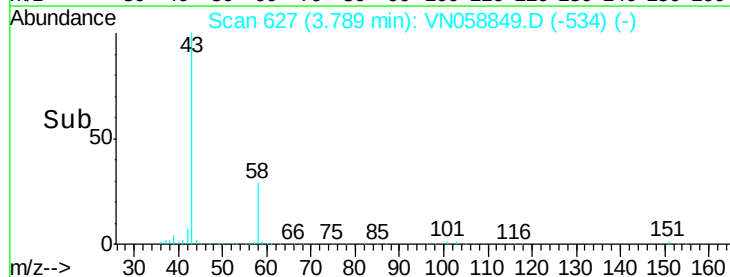
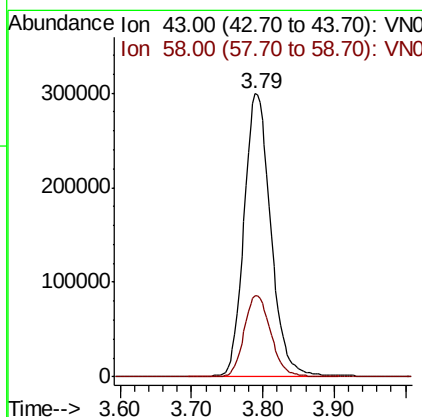
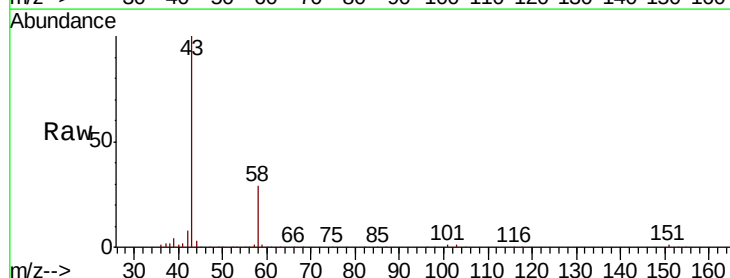
RT: 3.79 min Scan# 627

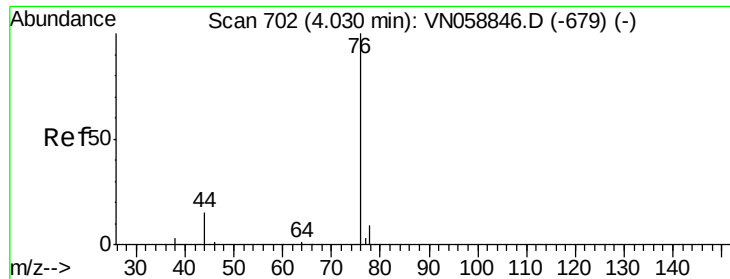
Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Tgt Ion:	43	Resp:	782096
Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.1	34.7





#17

Carbon Disulfide

Concen: 48.076 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101819

Tot Ion: 76 Resp: 675166

Ion Ratio Lower Upper

76 100

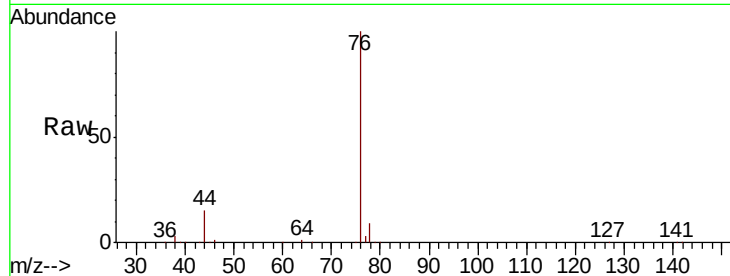
78 9.2 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

10/21/2019 10:43:20 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

250000

200000

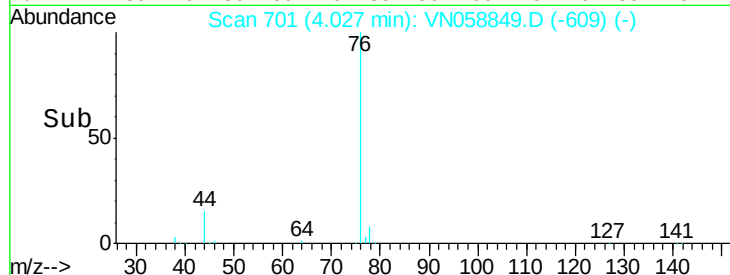
150000

100000

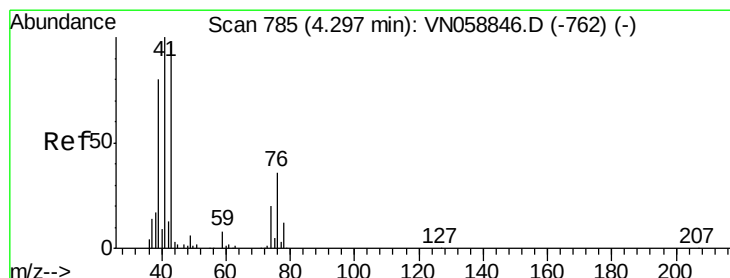
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 46.274 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058849.D

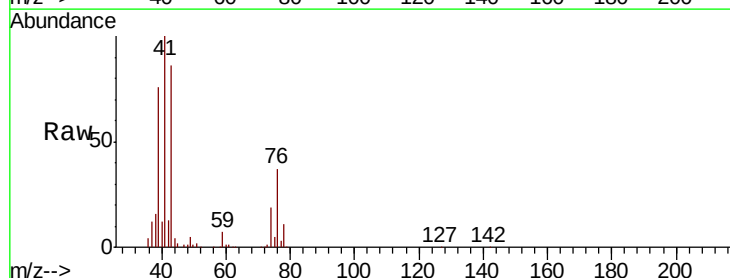
Acq: 18 Oct 2019 11:27

Tgt Ion: 43 Resp: 337185

Ion Ratio Lower Upper

43 100

74 21.7 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

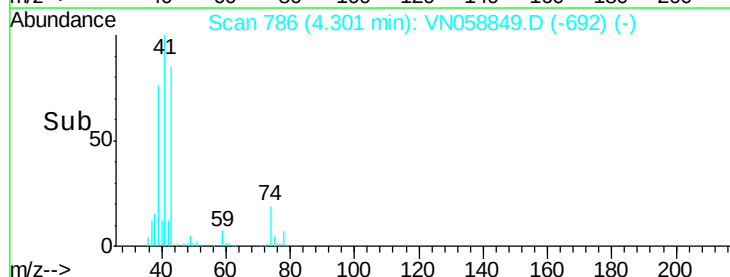
Ion 74.00 (73.70 to 74.70): VN0

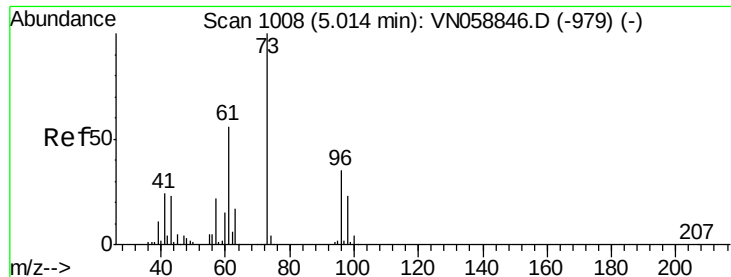
100000

50000

0

Time-->





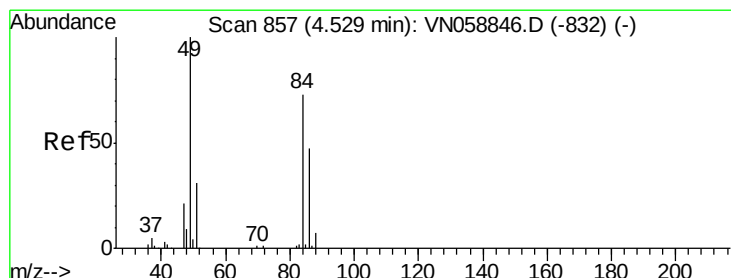
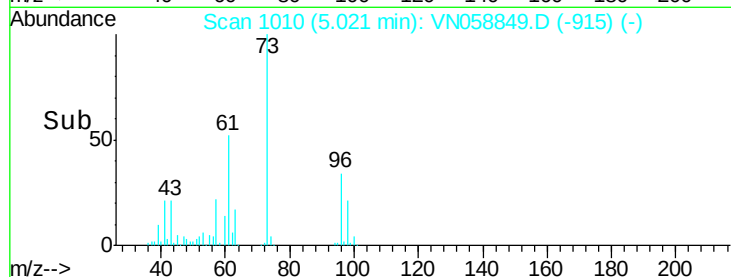
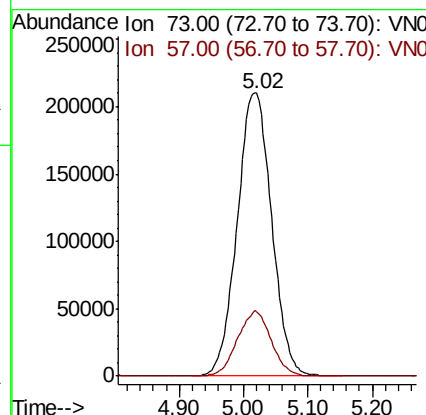
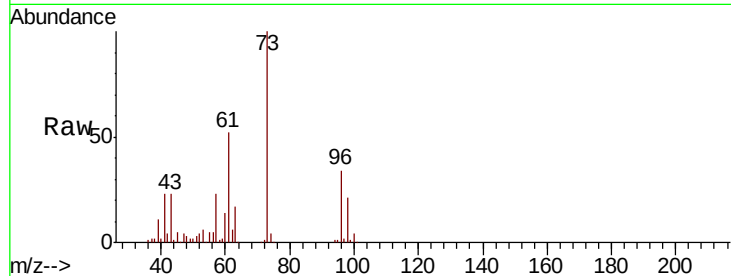
#19
Methyl tert-butyl Ether
Concen: 51.271 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion: 73 Resp: 782685
Ion Ratio Lower Upper
73 100
57 22.7 17.9 26.9

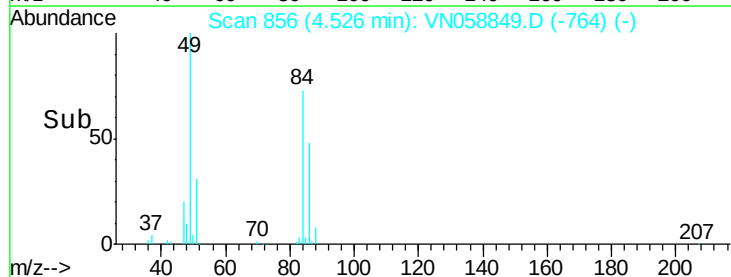
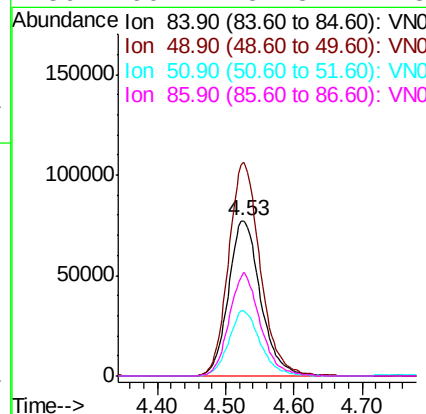
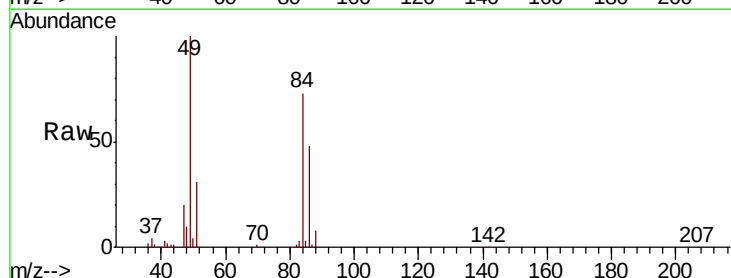
Manual Integrations
APPROVED

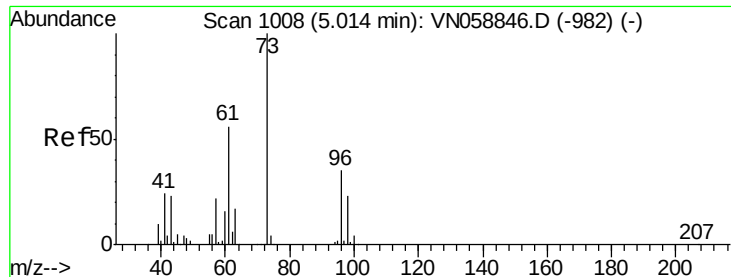
MMDadoda
10/21/2019 10:43:20 AM



#20
Methylene Chloride
Concen: 46.138 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion: 84 Resp: 252503
Ion Ratio Lower Upper
84 100
49 137.5 109.6 164.4
51 42.1 33.8 50.6
86 66.4 51.5 77.3





#21

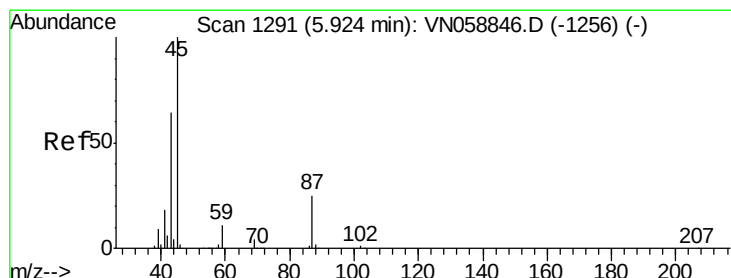
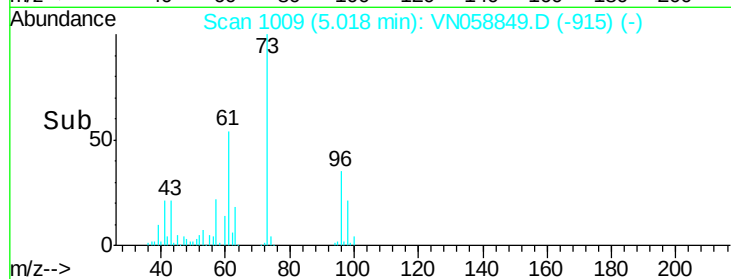
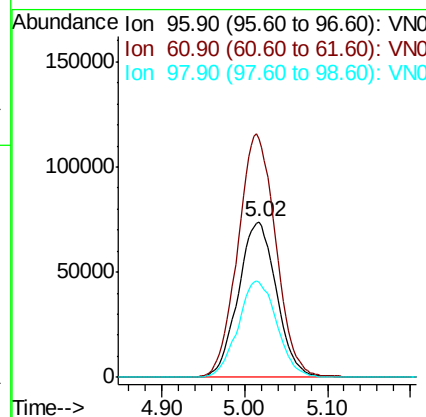
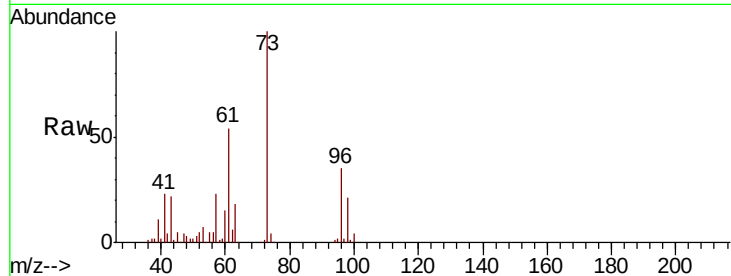
trans-1,2-Dichloroethene
Concen: 49.222 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.3	126.7	190.1
98	60.7	52.0	78.0

Manual Integrations
APPROVED

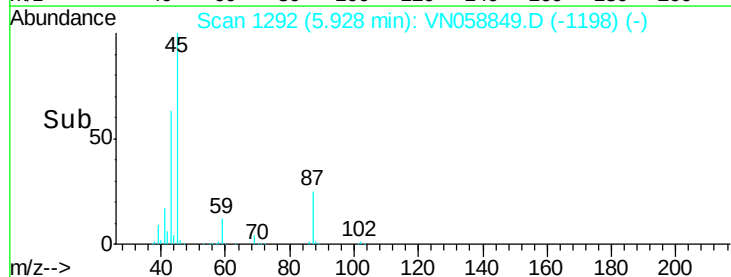
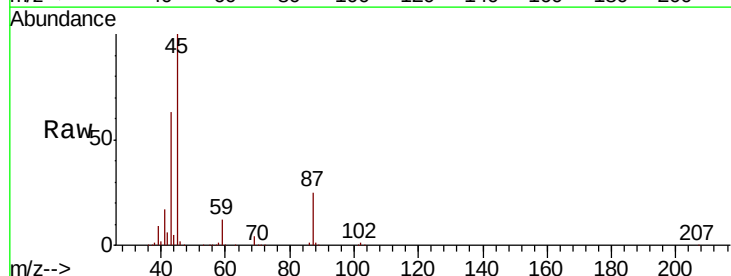
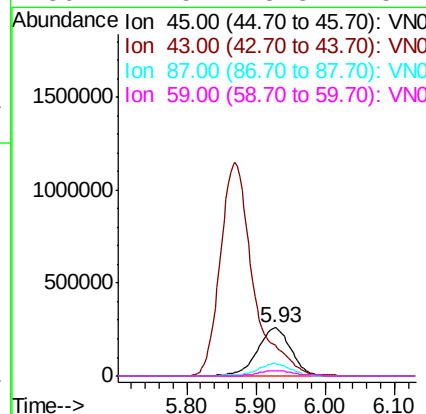
MMDadoda
10/21/2019 10:43:20 AM

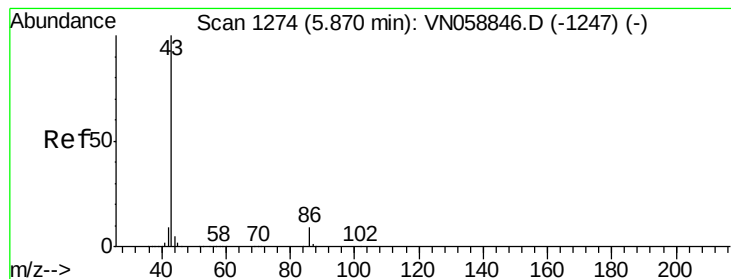


#22

Diisopropyl ether
Concen: 50.701 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.6	52.9	79.3
87	25.4	20.2	30.4
59	11.5	8.8	13.2





#23

Vinyl Acetate

Concen: 274.111 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101819

Tot Ion: 43 Resp: 3800113

Ion Ratio Lower Upper

43 100

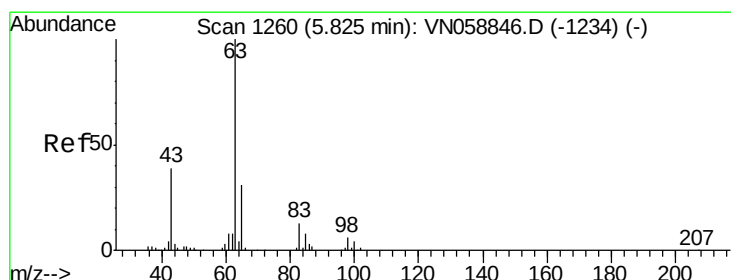
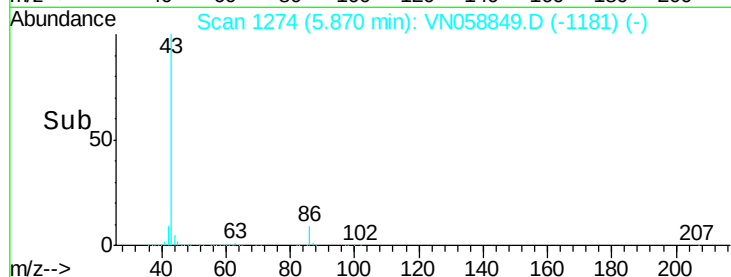
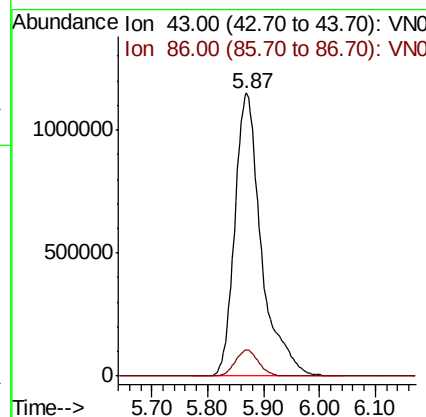
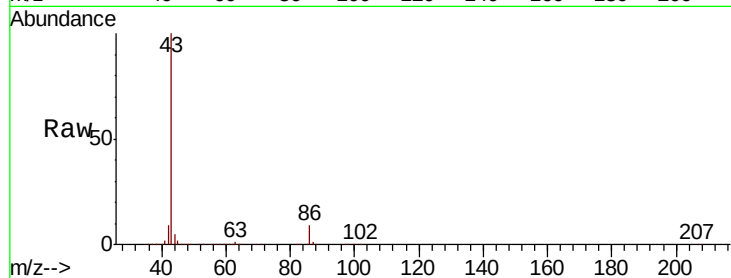
86 9.2 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

10/21/2019 10:43:20 AM



#24

1,1-Dichloroethane

Concen: 48.129 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

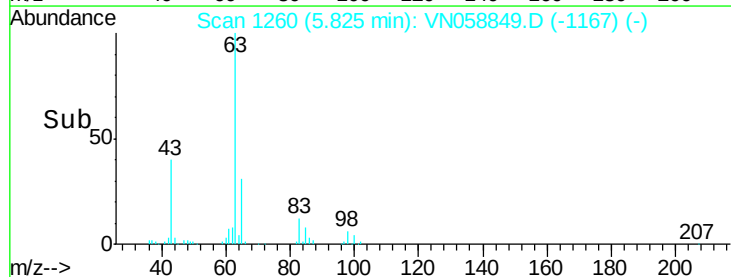
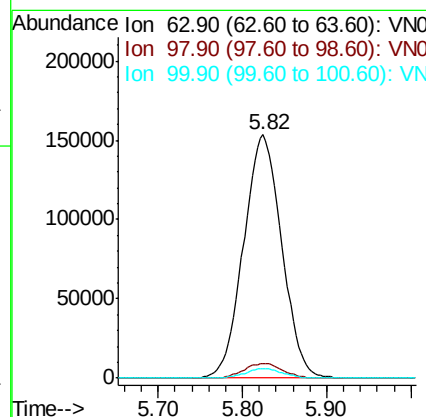
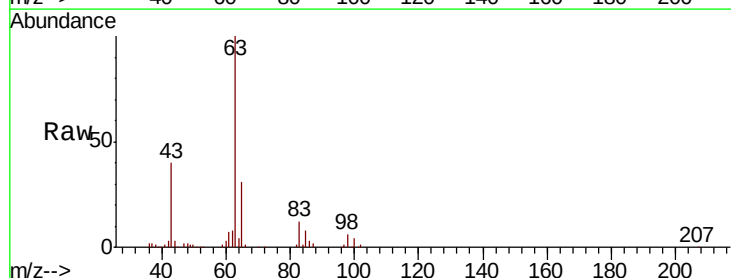
Tgt Ion: 63 Resp: 481555

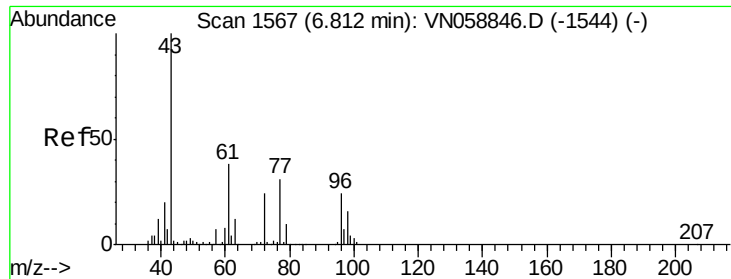
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 248.911 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Tot Ion: 43 Resp: 1035597

Ion Ratio Lower Upper

43 100

72 24.0 19.1 28.7

Instrument :

MSVOA_N

ClientSampleId :

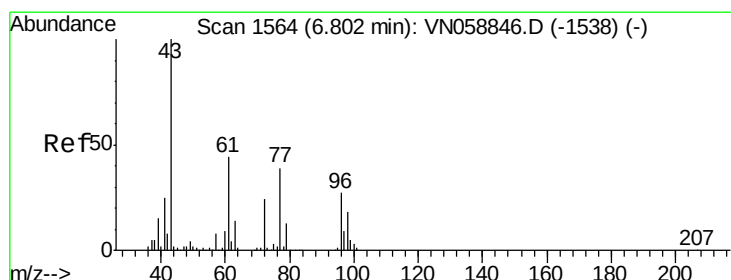
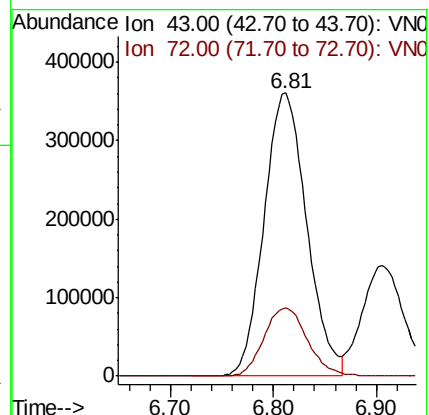
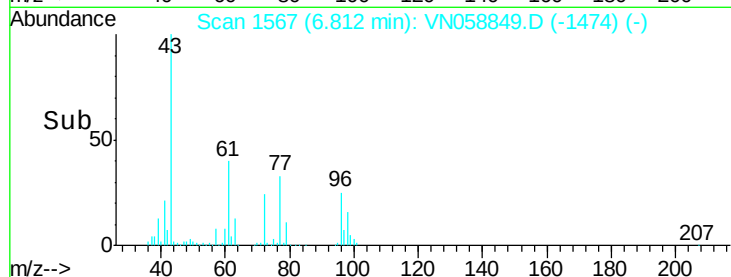
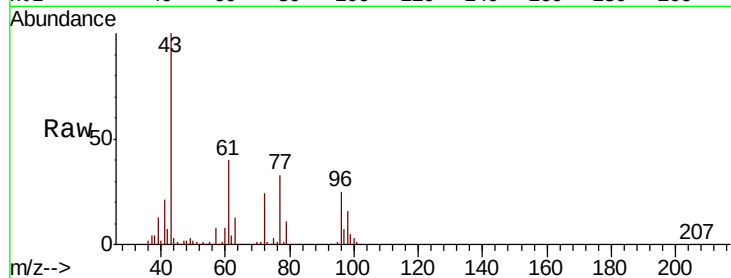
ICVVN101819

Manual Integrations

APPROVED

MMDadoda

10/21/2019 10:43:20 AM



#26

2,2-Dichloropropane

Concen: 49.489 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058849.D

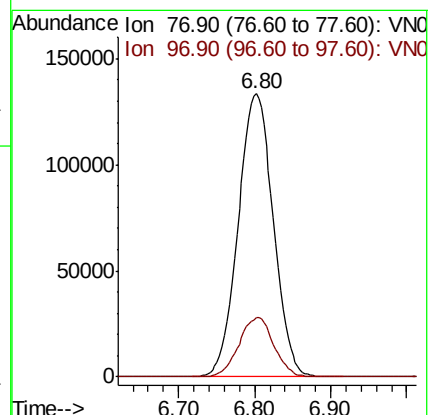
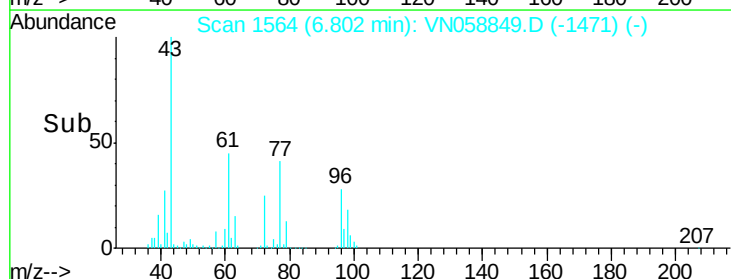
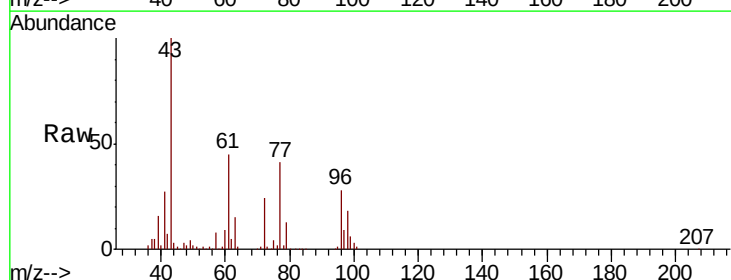
Acq: 18 Oct 2019 11:27

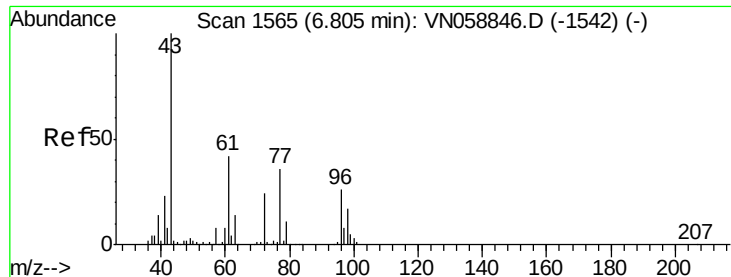
Tgt Ion: 77 Resp: 428300

Ion Ratio Lower Upper

77 100

97 20.9 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 49.828 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

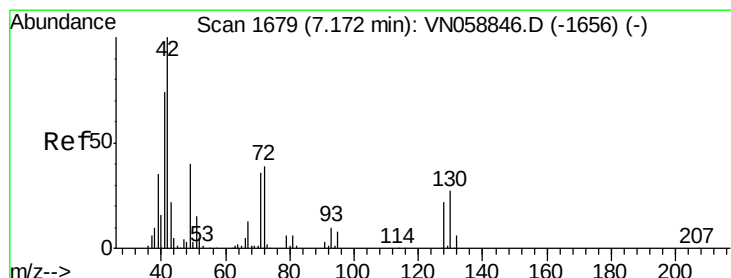
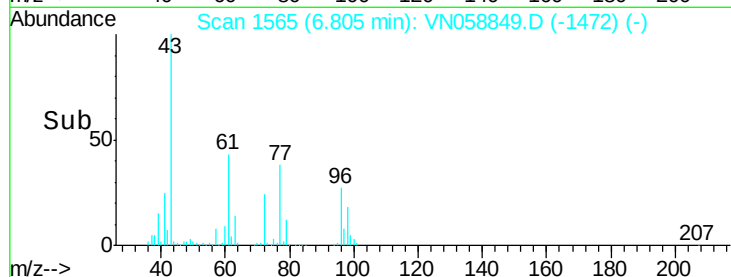
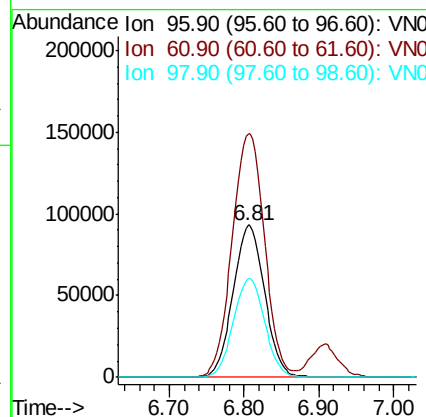
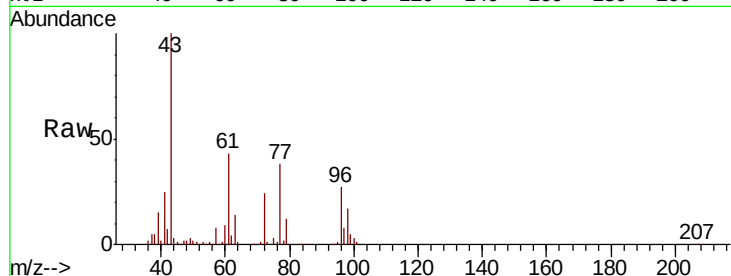
ClientSampleId :

ICVVN101819

Tot Ion:	96	Resp:	274053
Ion	Ratio	Lower	Upper
96	100		
61	164.0	0.0	325.0
98	64.7	0.0	128.0

Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:20 AM



#28

Bromochloromethane

Concen: 48.544 ug/l

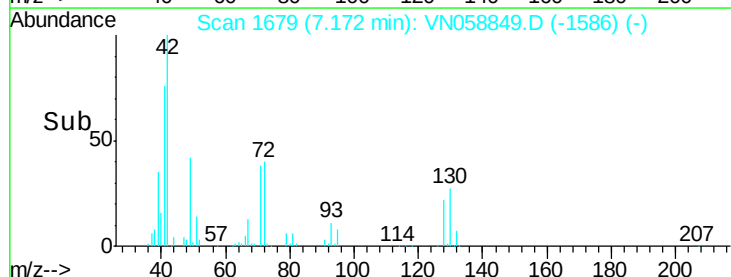
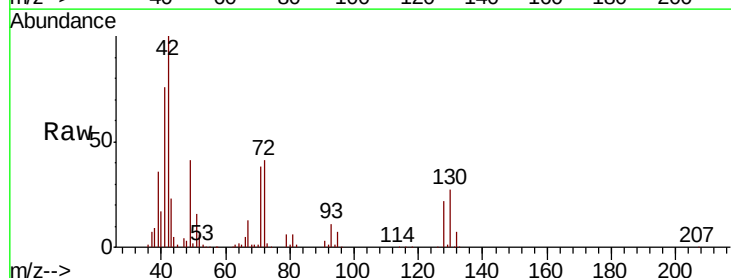
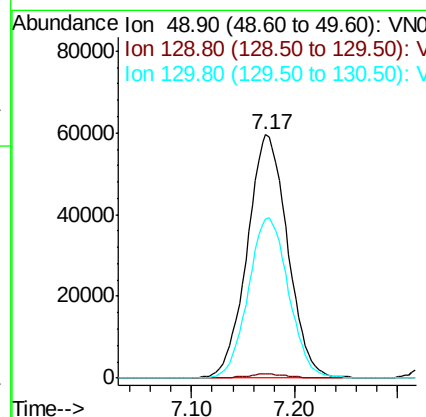
RT: 7.17 min Scan# 1679

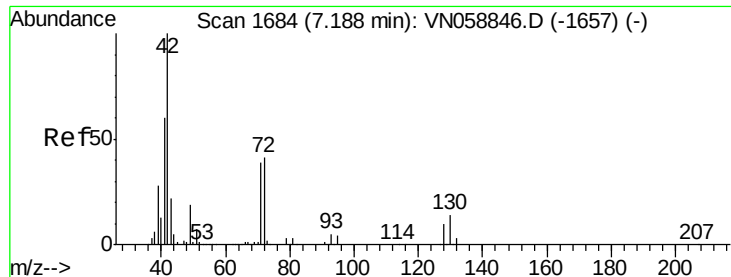
Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Tgt Ion:	49	Resp:	161758
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	65.6	53.5	80.3





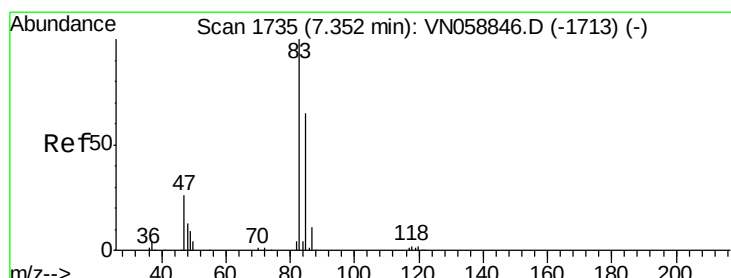
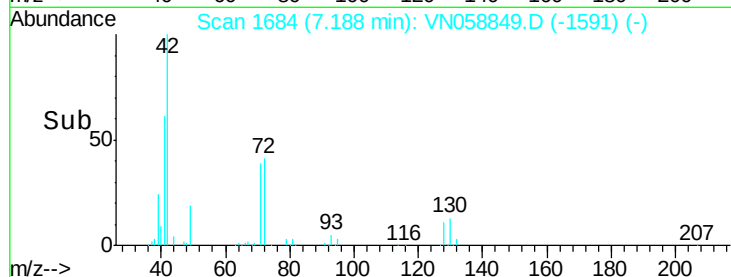
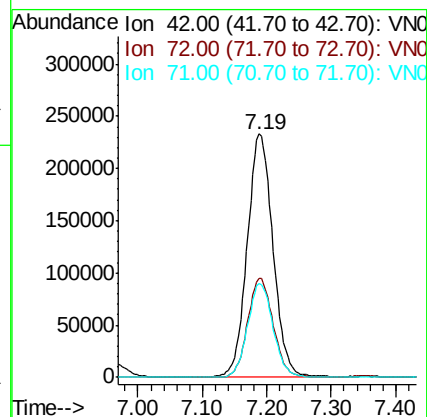
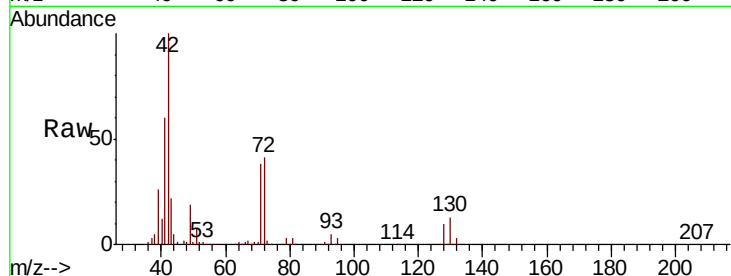
#29
Tetrahydrofuran
Concen: 254.084 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.2	48.2
71	38.3	30.6	45.8

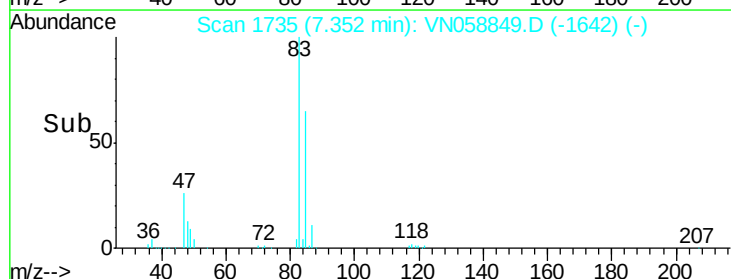
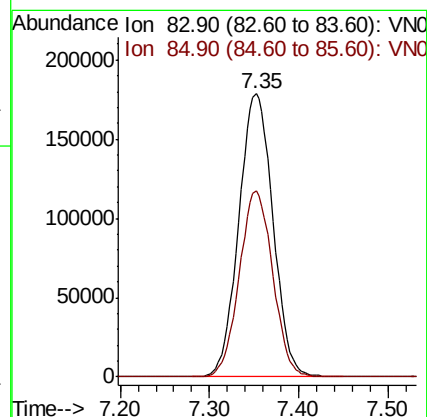
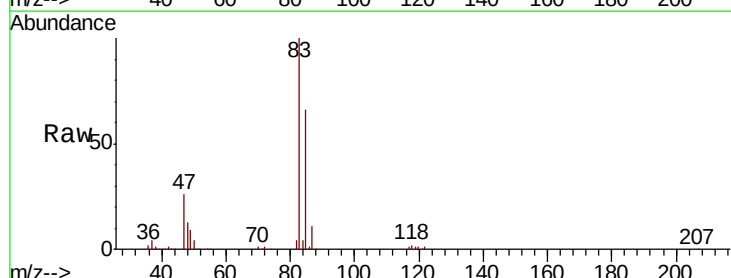
Manual Integrations
APPROVED

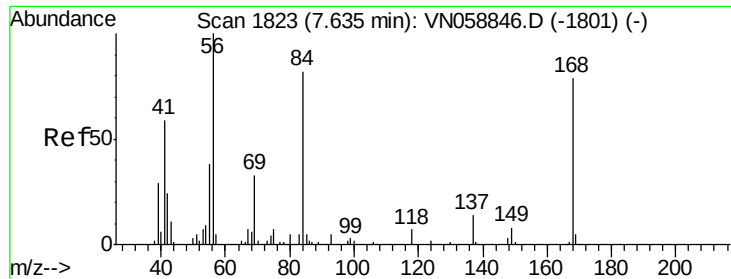
MMDadoda
10/21/2019 10:43:20 AM



#30
Chloroform
Concen: 47.224 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.9	77.9





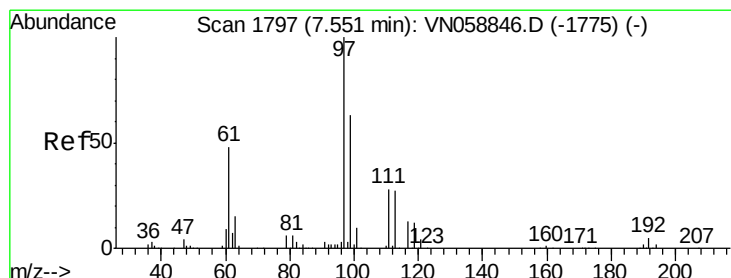
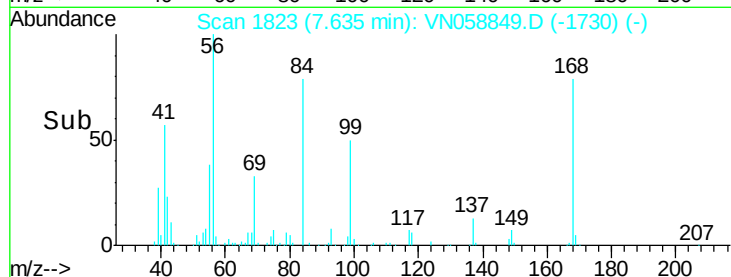
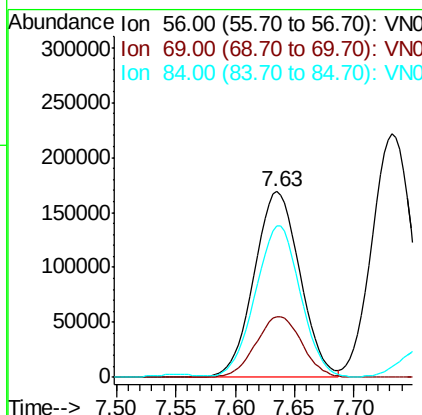
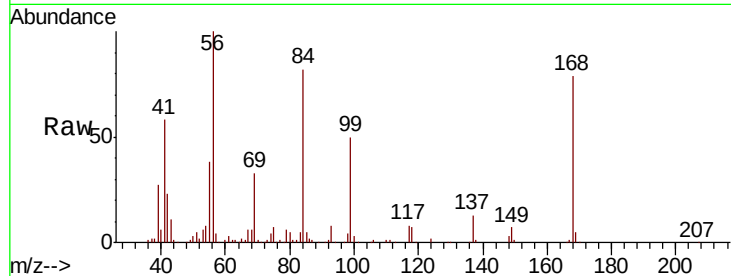
#31
Cyclohexane
Concen: 48.342 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.2	39.4
84	80.7	65.6	98.4

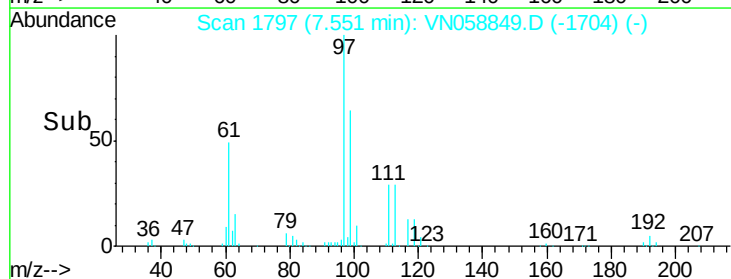
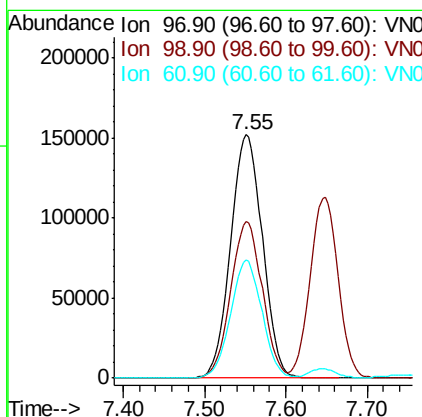
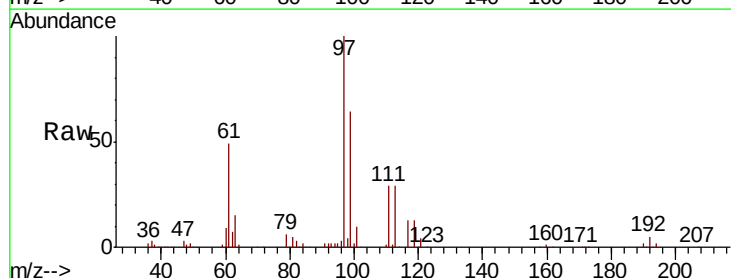
Manual Integrations
APPROVED

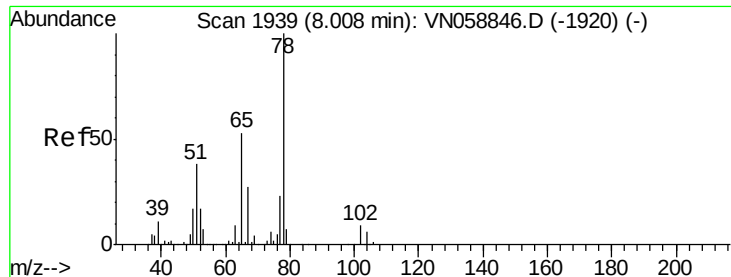
MMDadoda
10/21/2019 10:43:20 AM



#32
1,1,1-Trichloroethane
Concen: 49.021 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	47.5	38.6	58.0





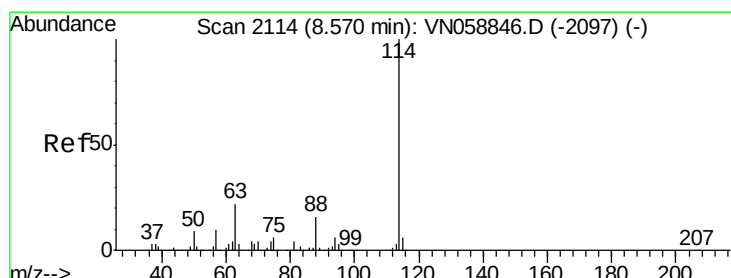
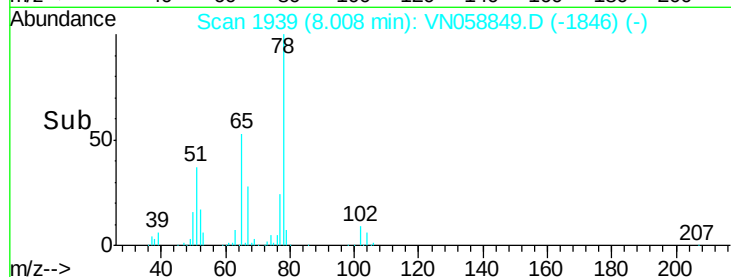
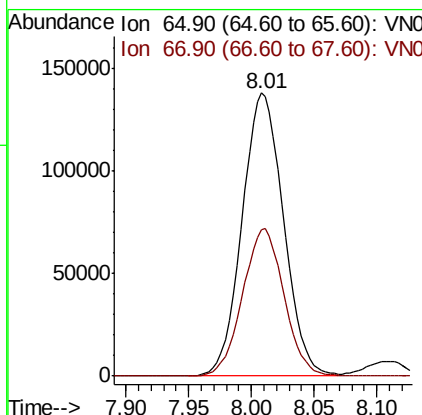
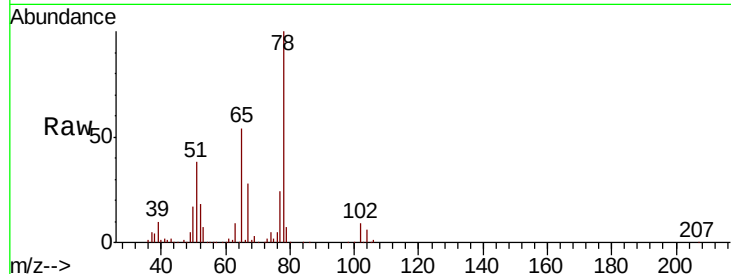
#33
 1,2-Dichloroethane-d4
 Concen: 48.997 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101819

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	103.2	

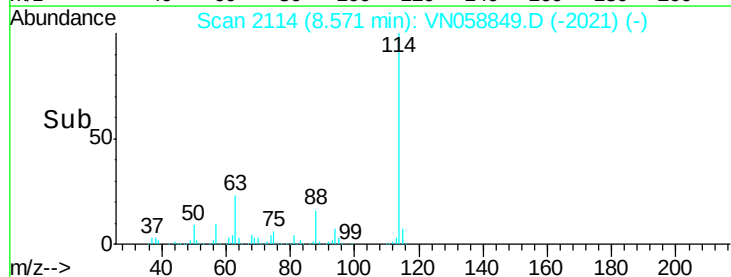
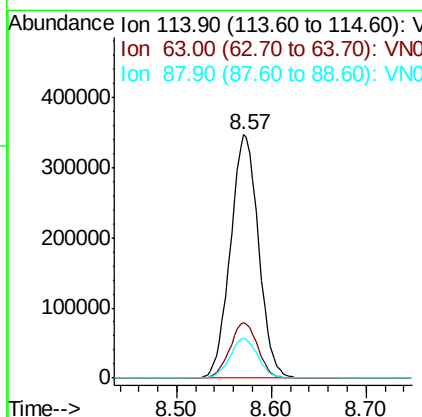
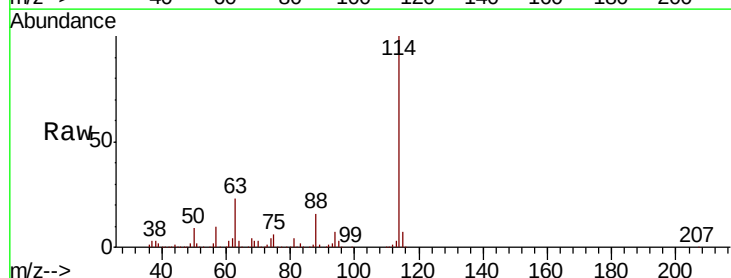
Manual Integrations
 APPROVED

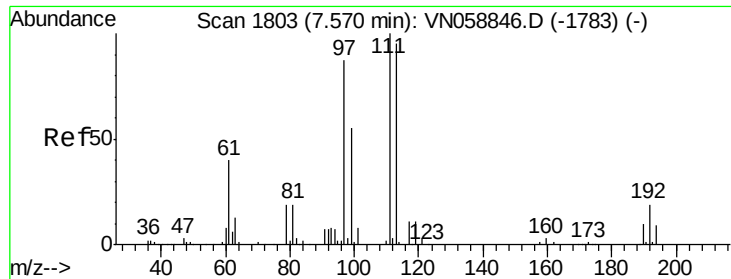
MMDadoda
 10/21/2019 10:43:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.9	0.0	44.4	
88	16.2	0.0	31.4	





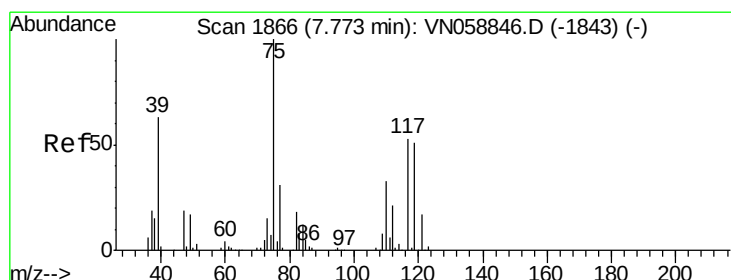
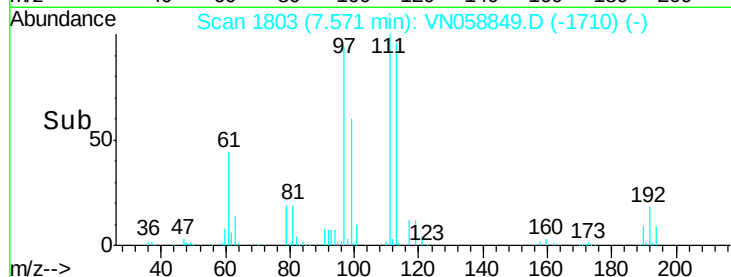
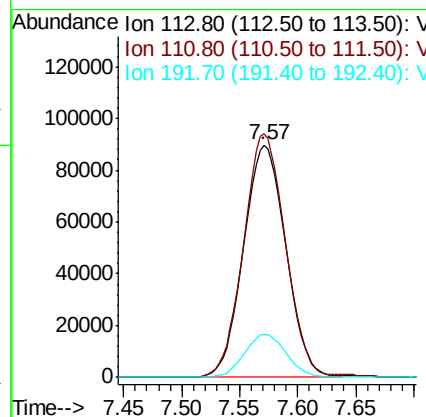
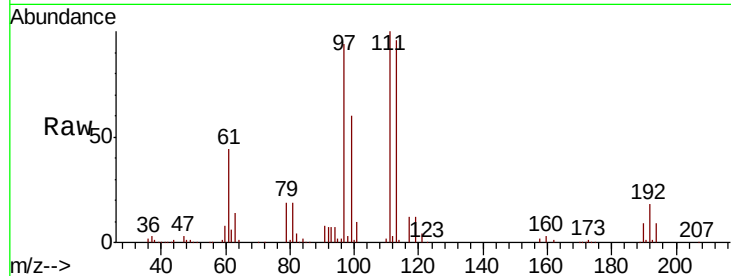
#35
 Dibromofluoromethane
 Concen: 48.509 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101819

Tot Ion	Ratio	Resp	Lower	Upper
113	100	228234		
111	104.4	82.0	123.0	
192	18.3	15.0	22.6	

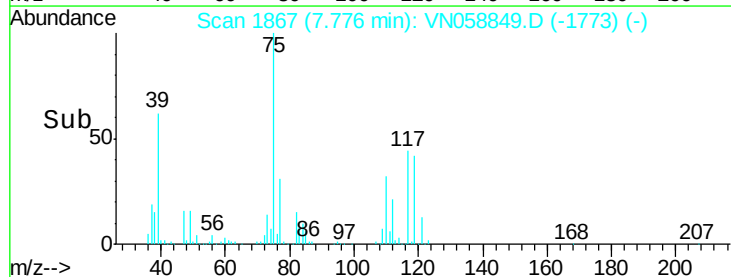
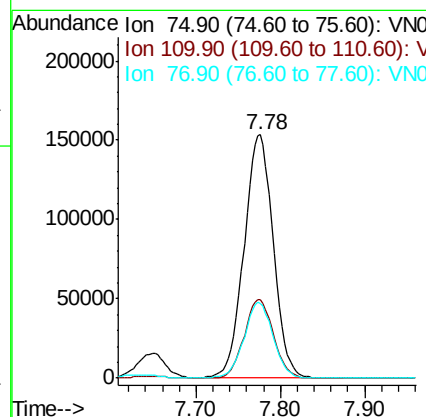
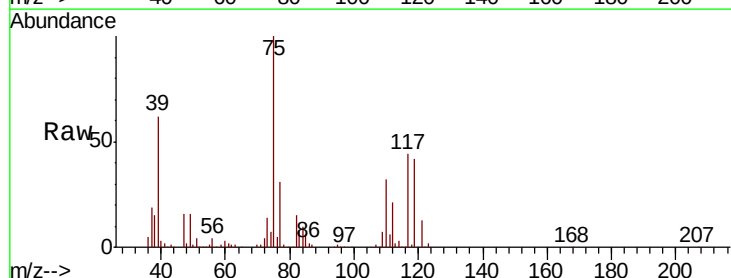
Manual Integrations
 APPROVED

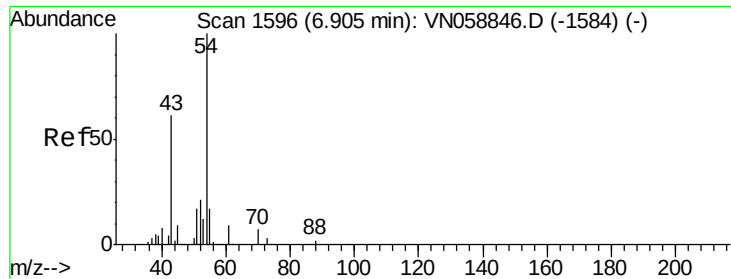
MMDadoda
 10/21/2019 10:43:20 AM



#36
 1,1-Dichloropropene
 Concen: 50.354 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	368910		
110	32.4	16.3	48.9	
77	31.3	24.6	36.8	





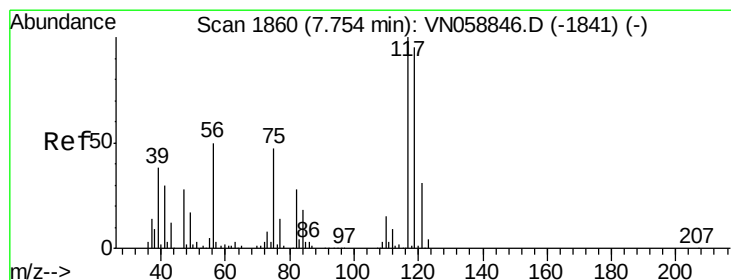
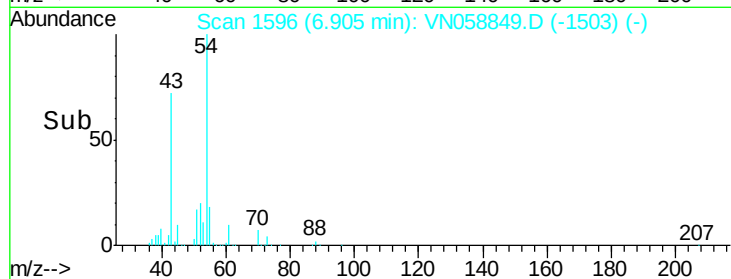
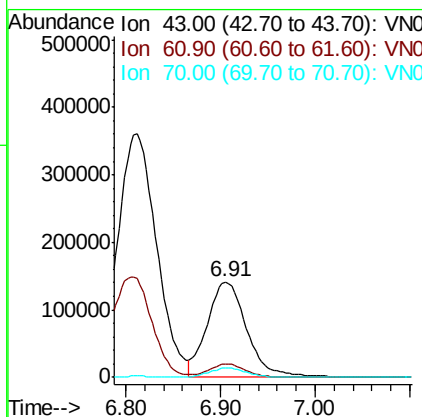
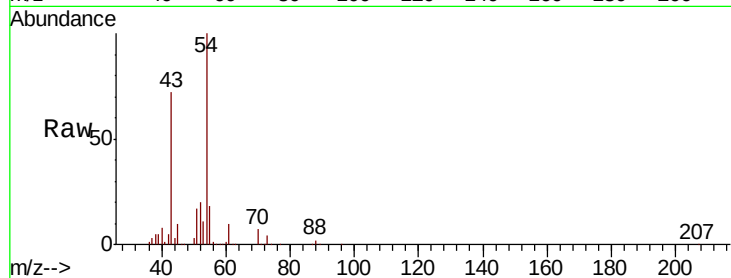
#37
Ethyl Acetate
Concen: 50.565 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.5	15.7
70	9.5	7.6	11.4

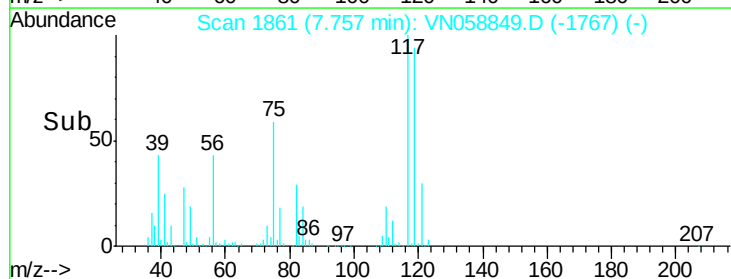
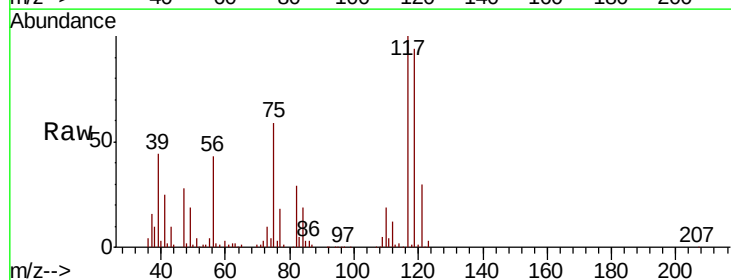
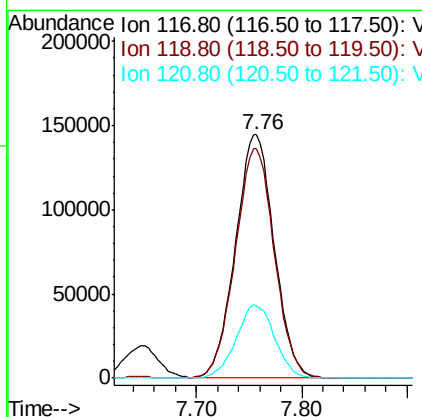
Manual Integrations
APPROVED

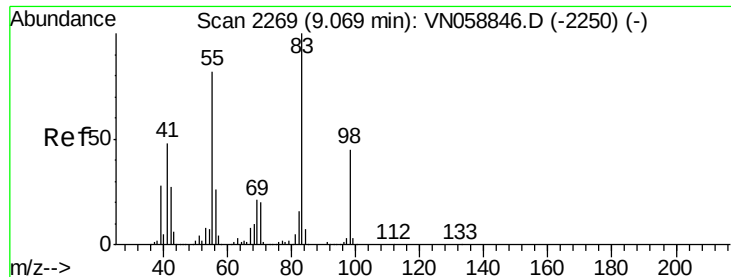
MMDadoda
10/21/2019 10:43:20 AM



#38
Carbon Tetrachloride
Concen: 48.757 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.7	113.5
121	29.6	25.0	37.6





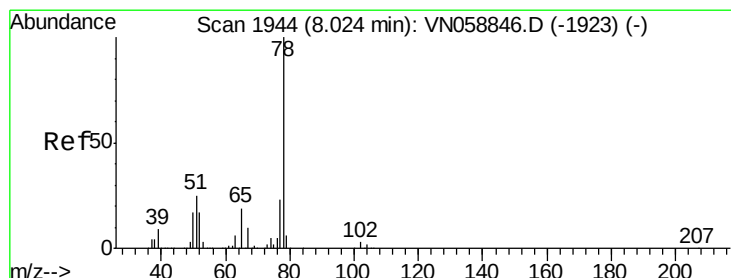
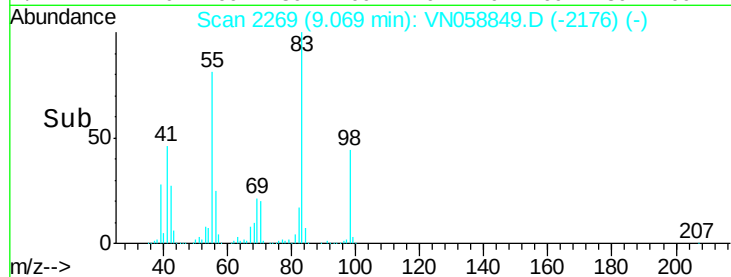
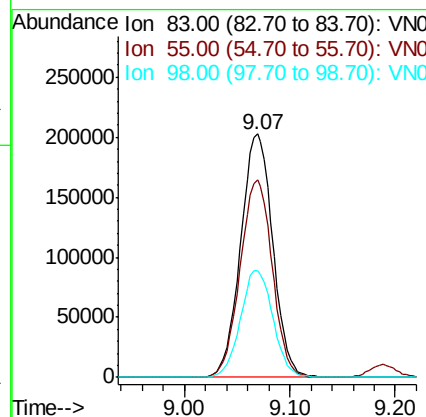
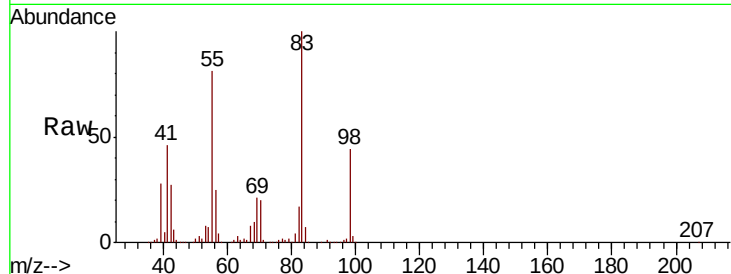
#39
Methylvlcyclohexane
Concen: 52.043 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVFN101819

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	65.5	98.3
98	43.9	35.7	53.5

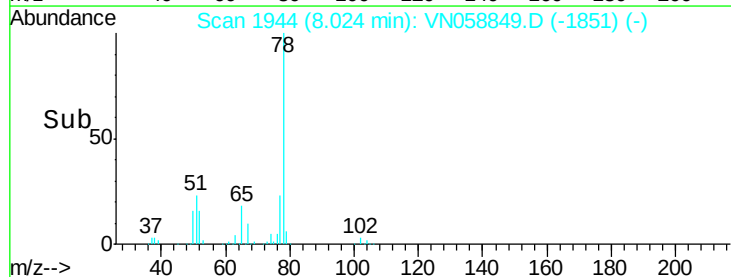
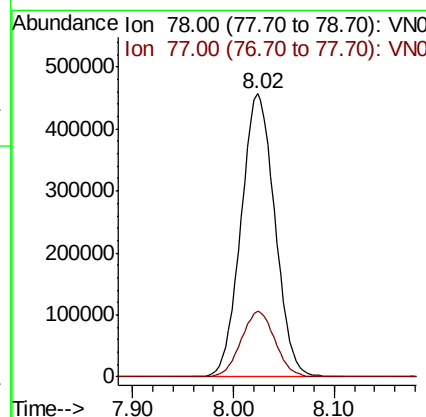
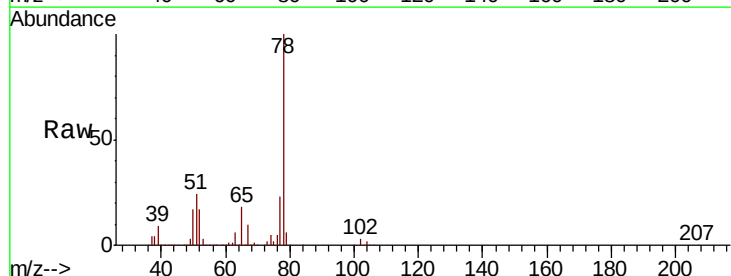
Manual Integrations
APPROVED

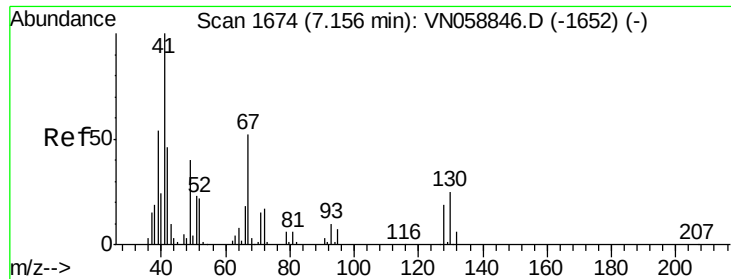
MMDadoda
10/21/2019 10:43:20 AM



#40
Benzene
Concen: 49.410 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.2	27.2





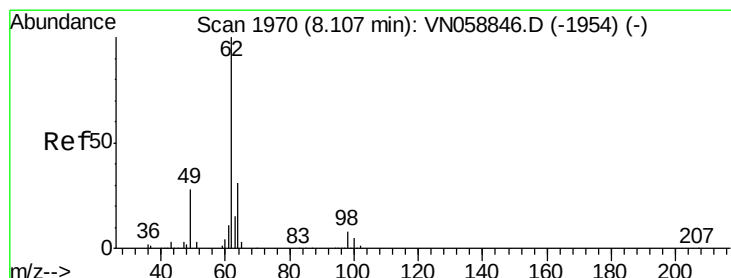
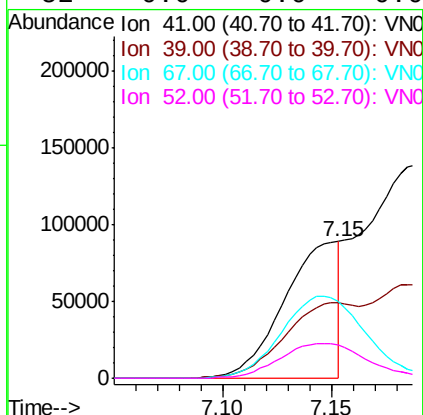
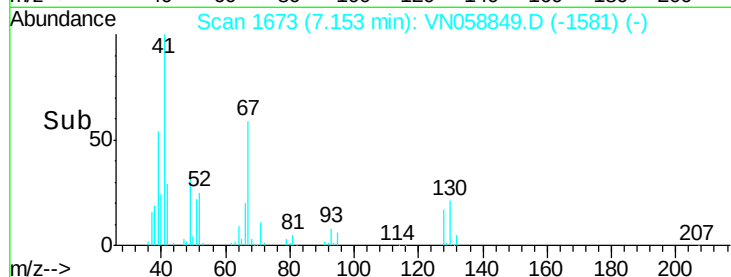
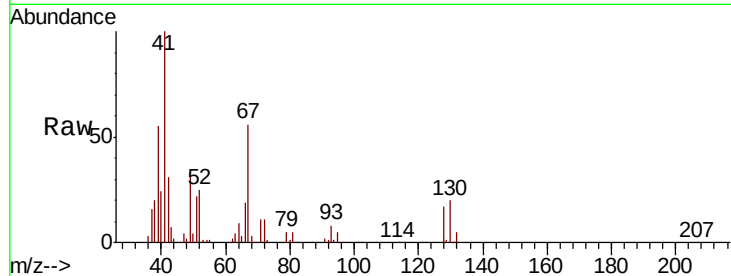
#41
Methacrylonitrile
Concen: 43.653 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		155207		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

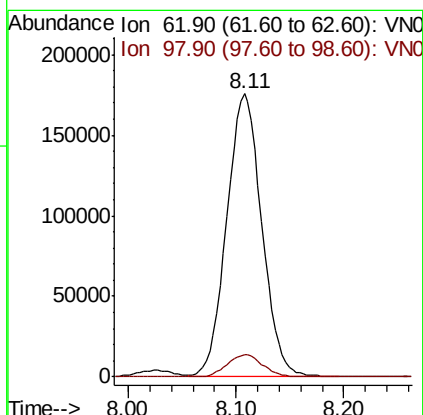
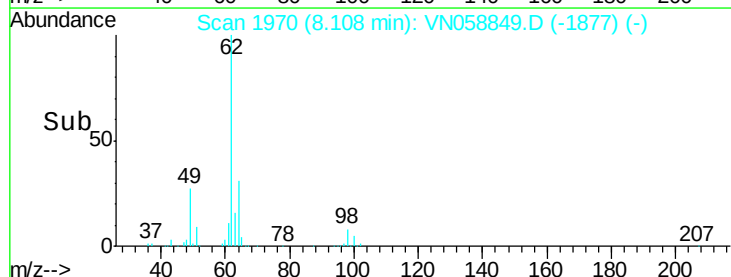
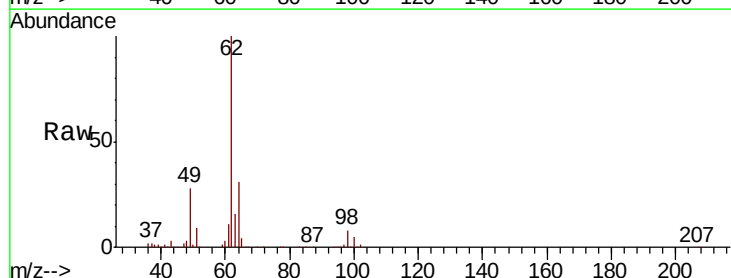
Manual Integrations
APPROVED

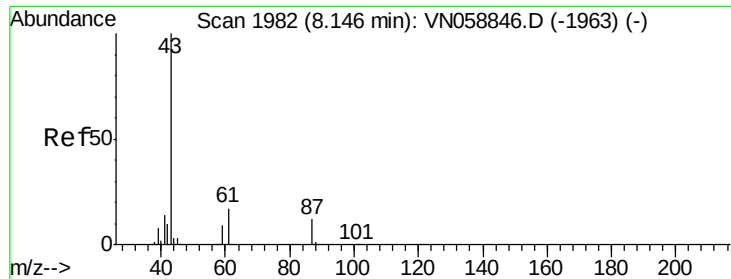
MMDadoda
10/21/2019 10:43:20 AM



#42
1,2-Dichloroethane
Concen: 47.825 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		396341		
98	8.0	0.0	16.2		





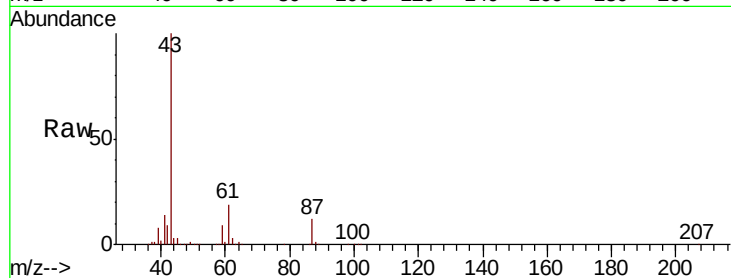
#43
Isopropyl Acetate
Concen: 50.417 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

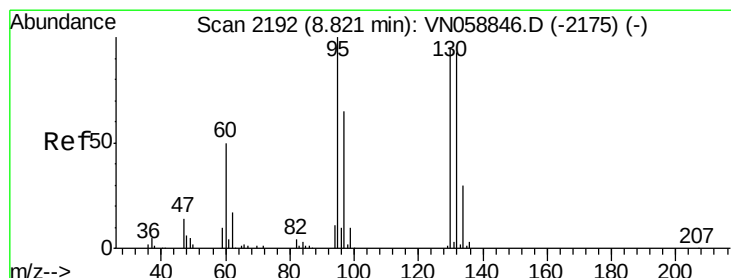
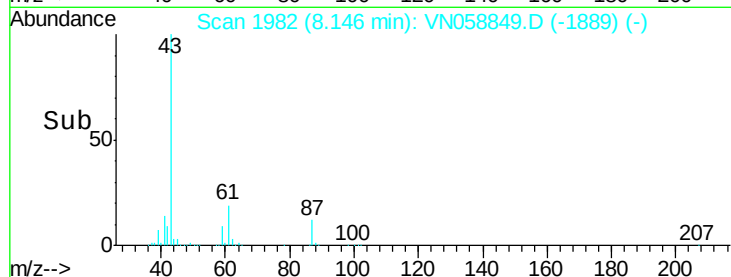
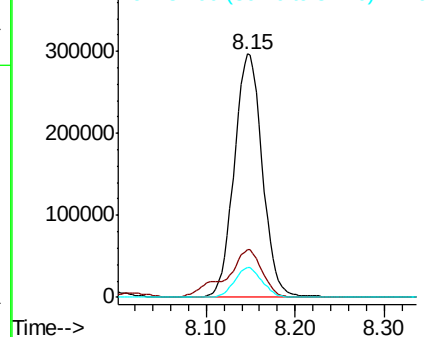
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.3	20.2	30.2
87	12.0	9.5	14.3

Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:20 AM

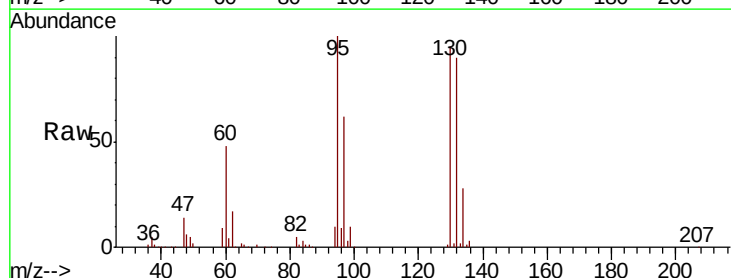


Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1963) (-)
Ion 61.00 (60.70 to 61.70): VN058846.D (-1963) (-)
Ion 87.00 (86.70 to 87.70): VN058846.D (-1963) (-)

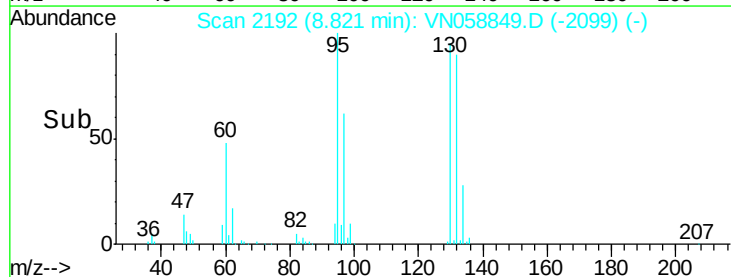
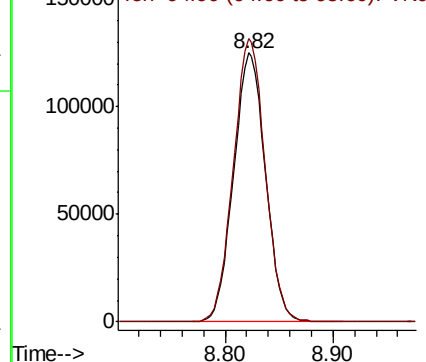


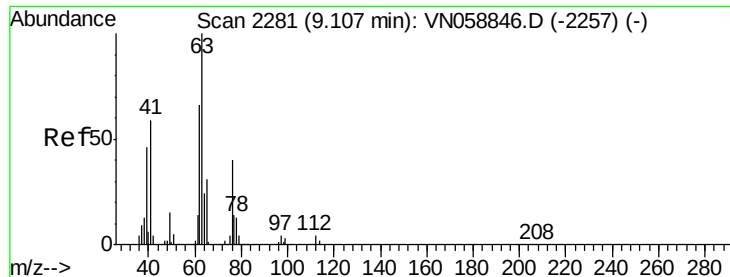
#44
Trichloroethene
Concen: 49.082 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058849.D (-2099) (-)
Ion 94.90 (94.60 to 95.60): VN058849.D (-2099) (-)





#45

1,2-Dichloropropane

Concen: 49.420 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101819

Tot Ion: 63 Resp: 291547

Ion Ratio Lower Upper

63 100

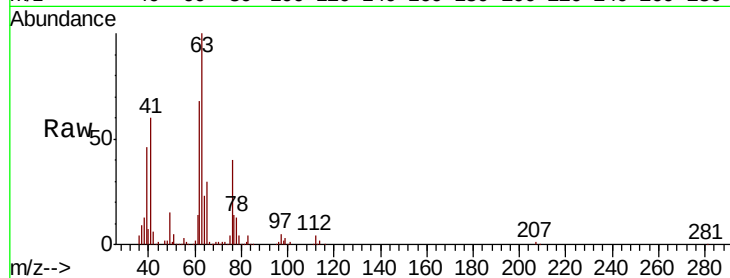
65 29.7 24.5 36.7

Manual Integrations

APPROVED

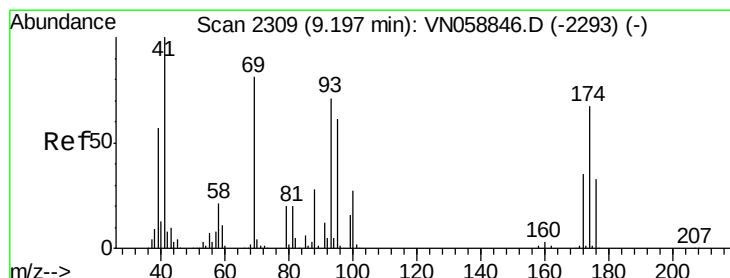
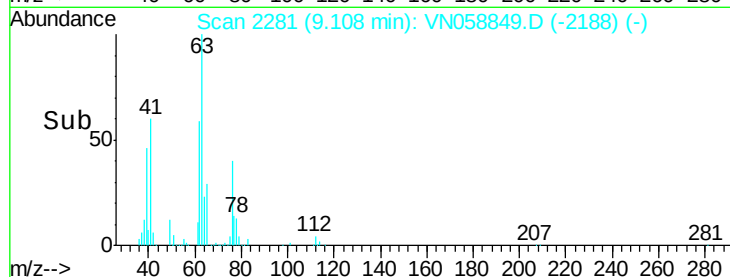
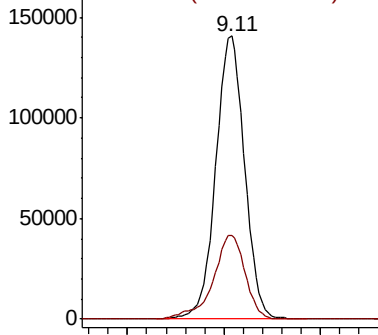
MMDadoda

10/21/2019 10:43:20 AM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 49.181 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

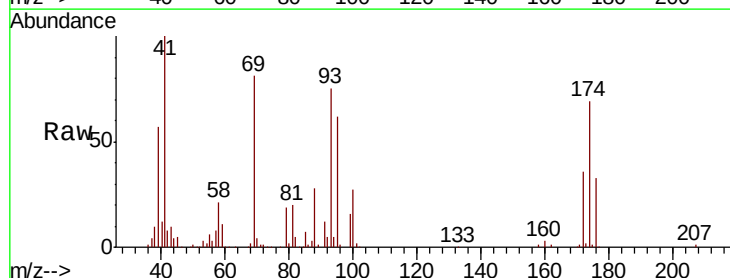
Tgt Ion: 93 Resp: 183420

Ion Ratio Lower Upper

93 100

95 82.1 67.6 101.4

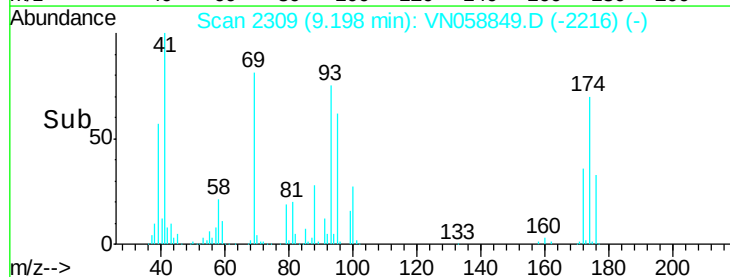
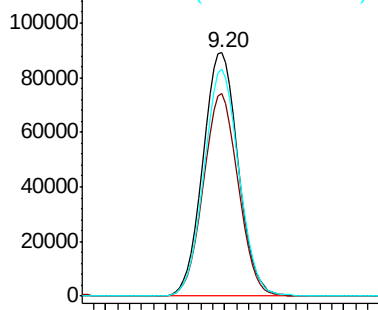
174 92.1 74.1 111.1

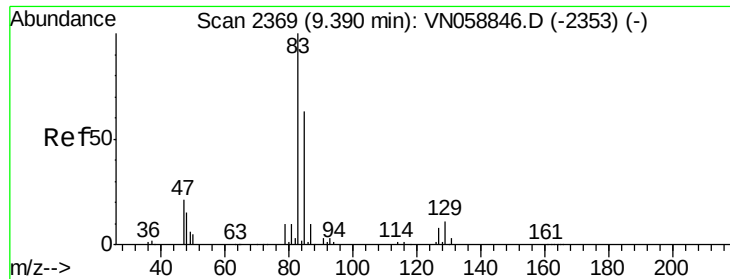


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





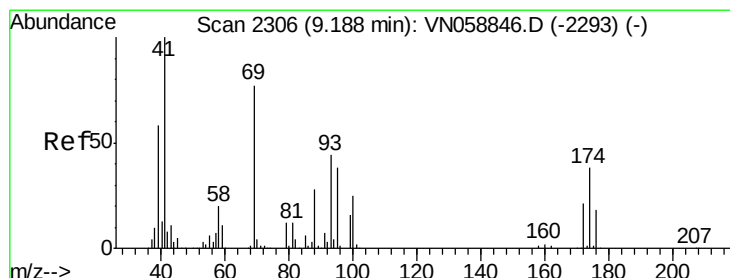
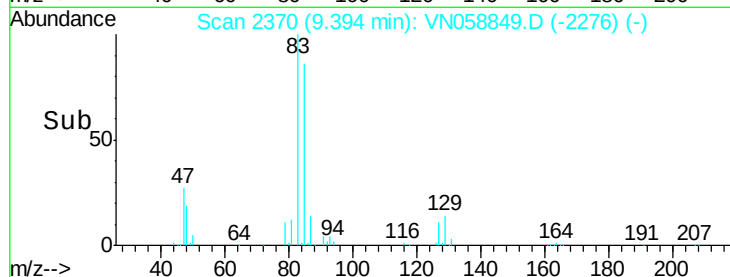
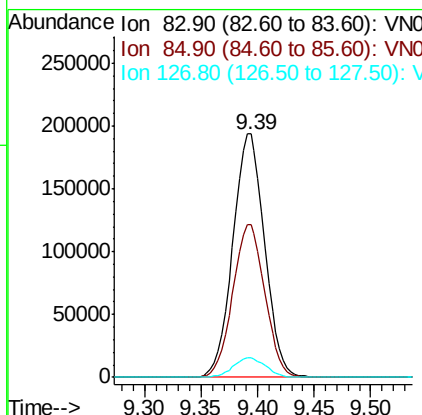
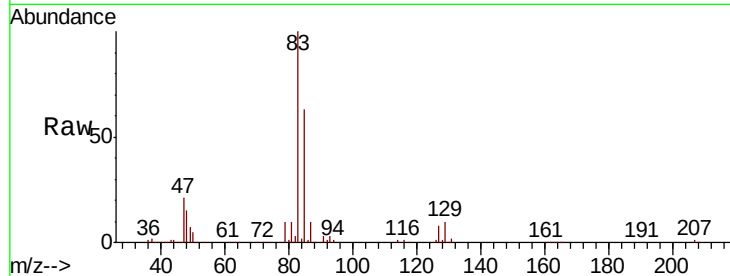
#47
Bromodichloromethane
Concen: 49.236 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion	83	Resp	378462
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	50.6	75.8
127	8.1	6.5	9.7

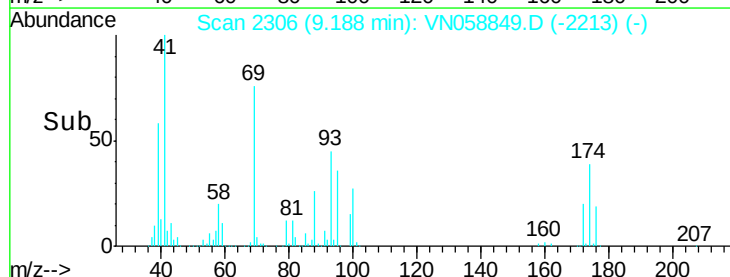
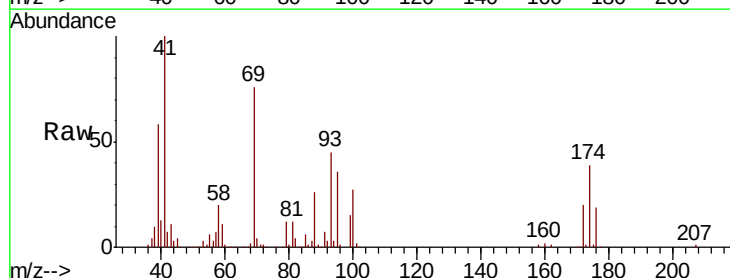
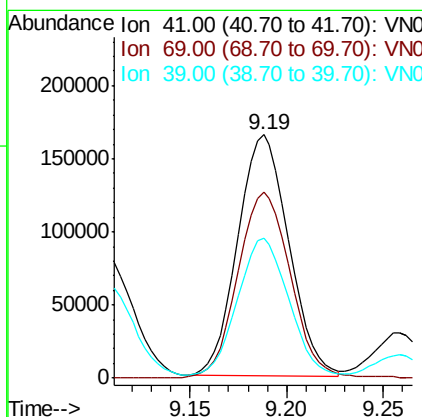
Manual Integrations
APPROVED

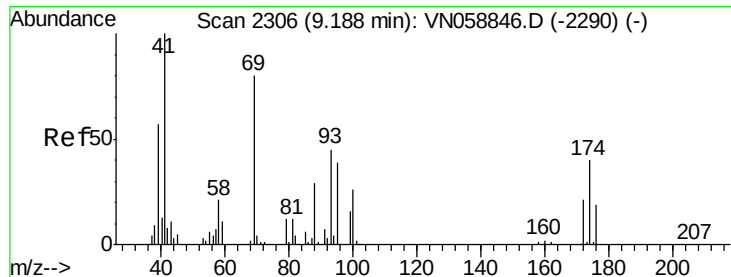
MMDadoda
10/21/2019 10:43:20 AM



#48
Methyl methacrylate
Concen: 52.074 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	41	Resp	302484
Ion Ratio	100	Lower	Upper
41	100		
69	79.7	63.8	95.6
39	59.0	47.8	71.8





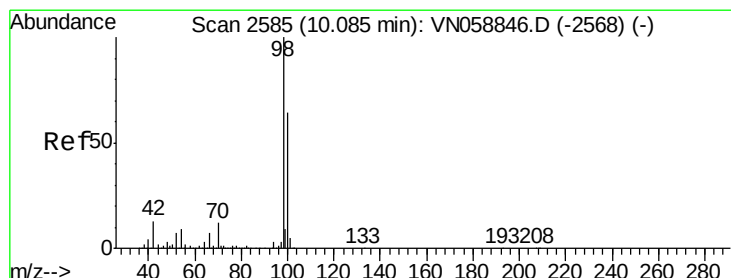
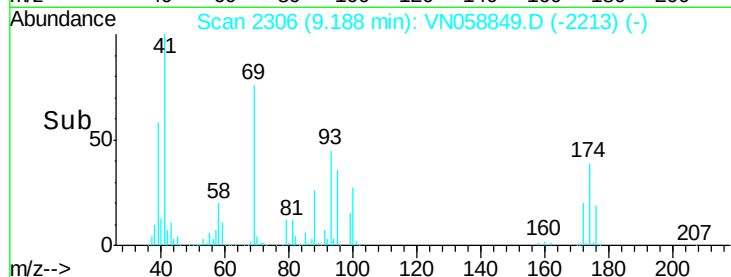
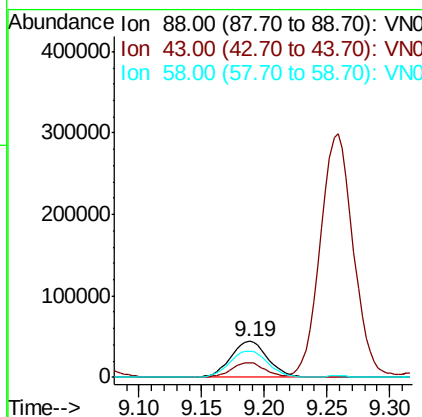
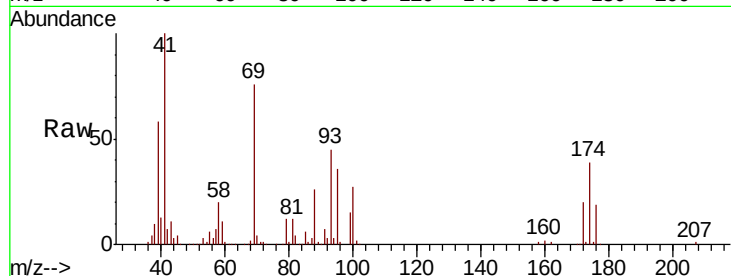
#49
1,4-Dioxane
Concen: 960.546 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	29.1	43.7
58	75.5	59.4	89.0

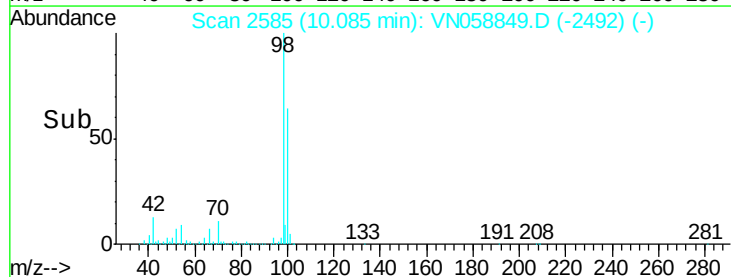
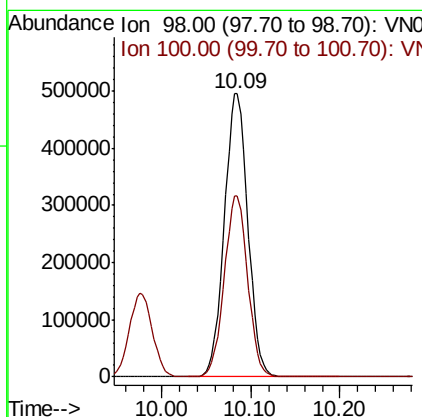
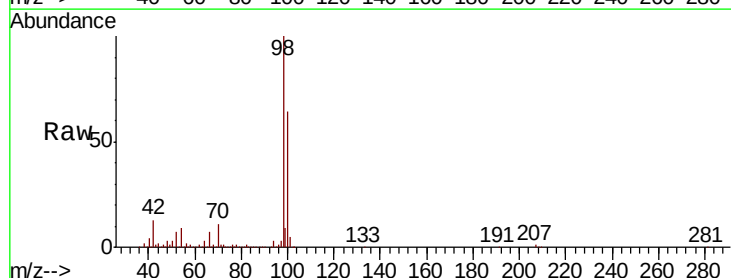
Manual Integrations
APPROVED

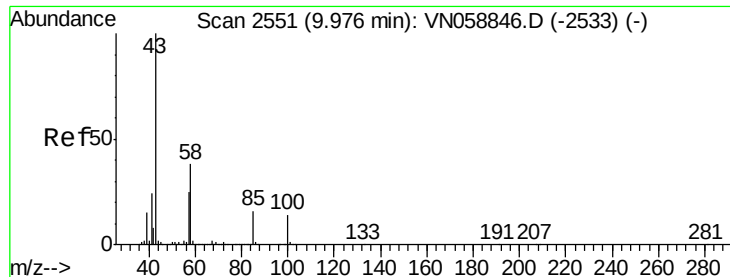
MMDadoda
10/21/2019 10:43:20 AM



#50
Toluene-d8
Concen: 49.424 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 271.108 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

ICV0101819

Tot Ion: 43 Resp: 2027371

Ion Ratio Lower Upper

43 100

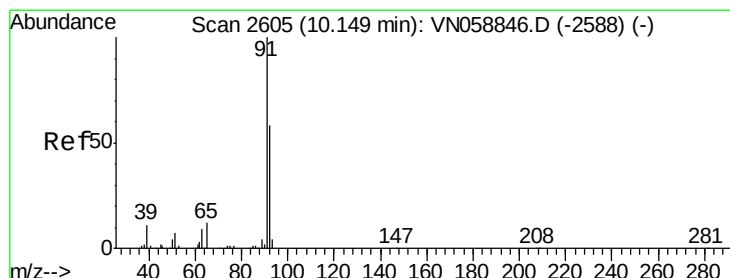
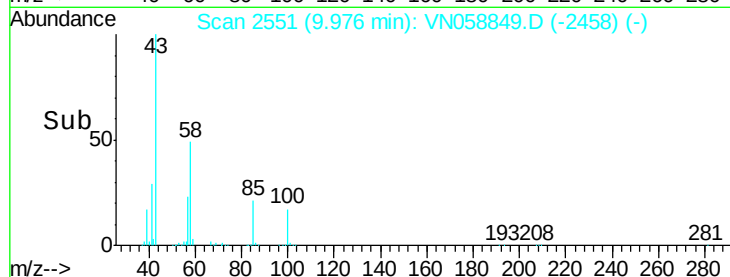
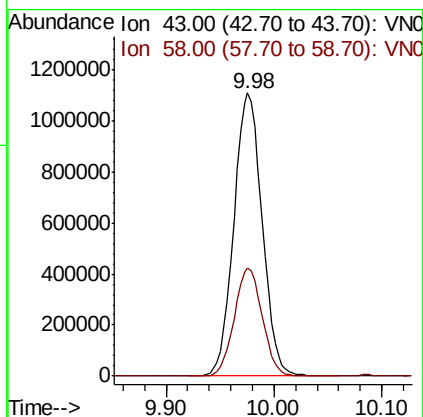
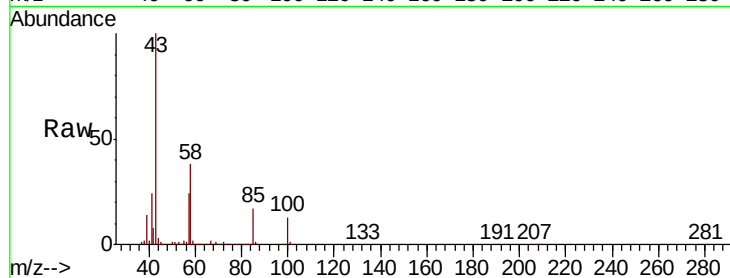
58 37.7 29.9 44.9

Manual Integrations

APPROVED

MMDadoda

10/21/2019 10:43:20 AM



#52

Toluene

Concen: 51.193 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058849.D

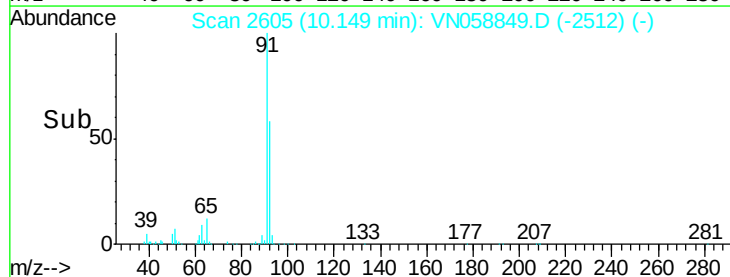
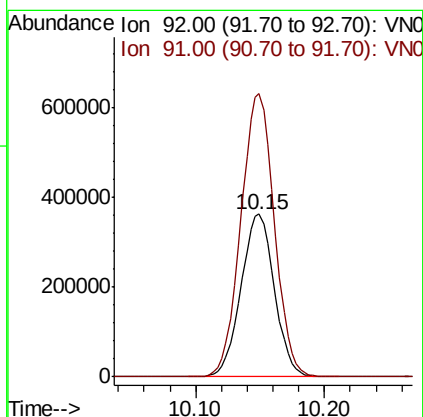
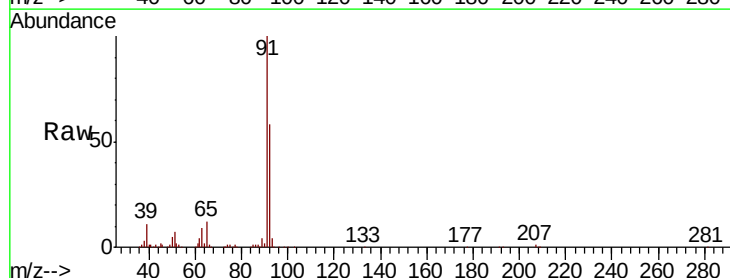
Acq: 18 Oct 2019 11:27

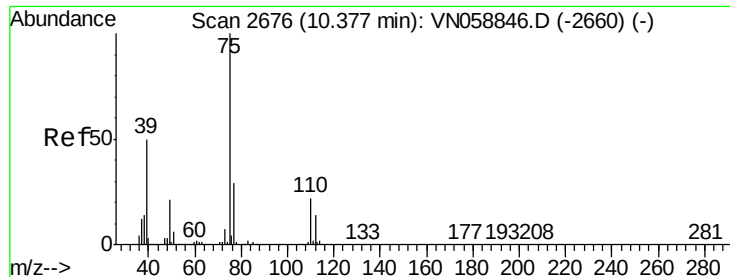
Tgt Ion: 92 Resp: 653119

Ion Ratio Lower Upper

92 100

91 175.2 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 51.757 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101819

Tot Ion: 75 Resp: 440417

Ion Ratio Lower Upper

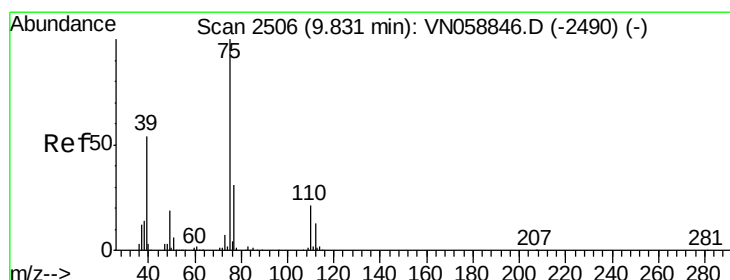
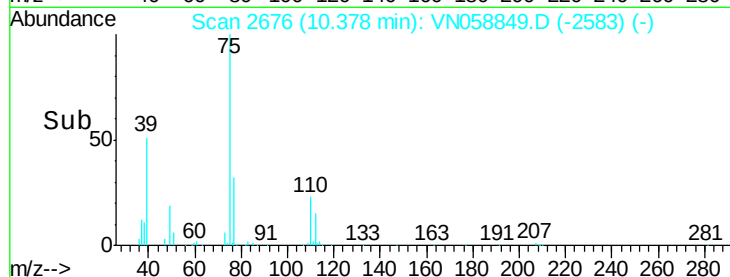
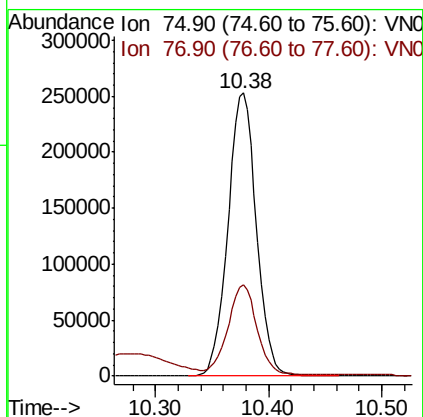
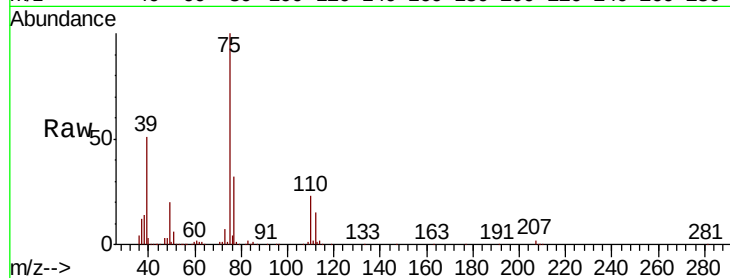
75 100

77 31.8 25.7 38.5

Manual Integrations
APPROVED

MMDadoda

10/21/2019 10:43:20 AM



#54

cis-1,3-Dichloropropene

Concen: 50.796 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

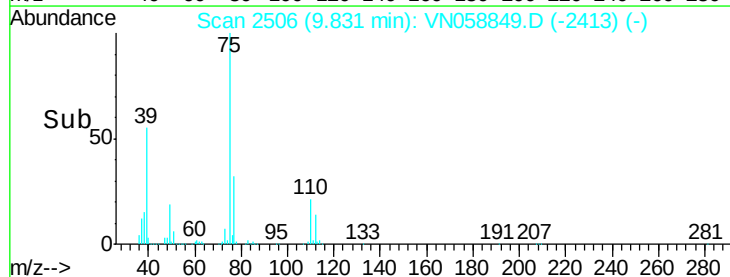
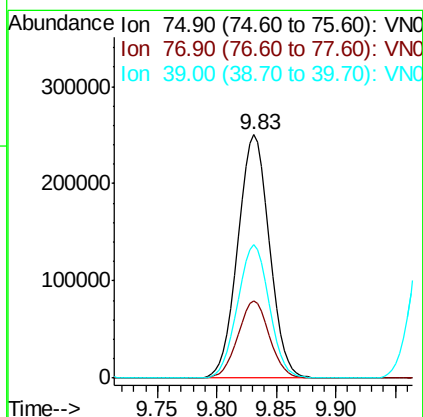
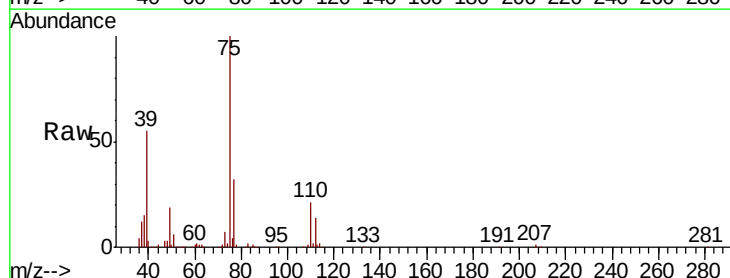
Tgt Ion: 75 Resp: 461787

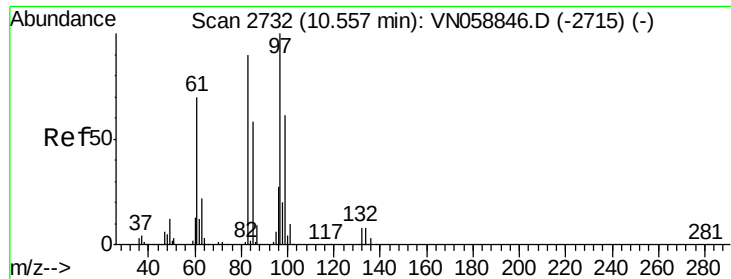
Ion Ratio Lower Upper

75 100

77 31.7 24.7 37.1

39 54.7 43.5 65.3





#55

1,1,2-Trichloroethane

Concen: 48.295 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

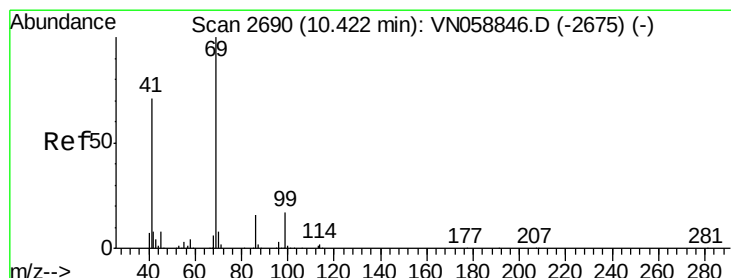
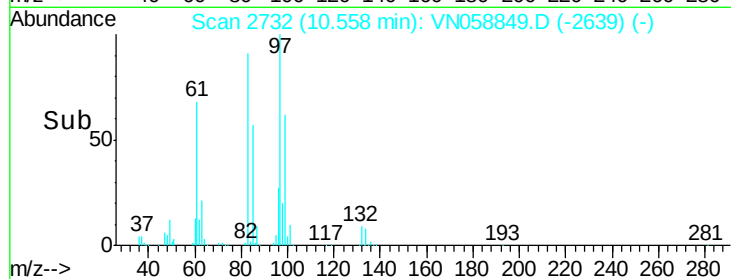
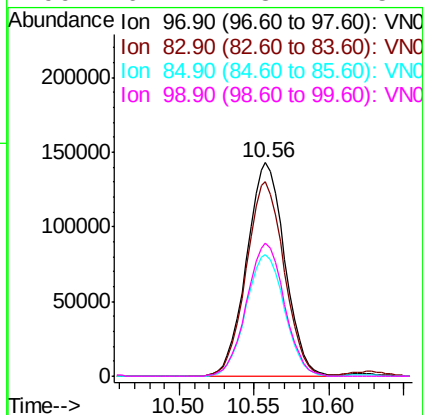
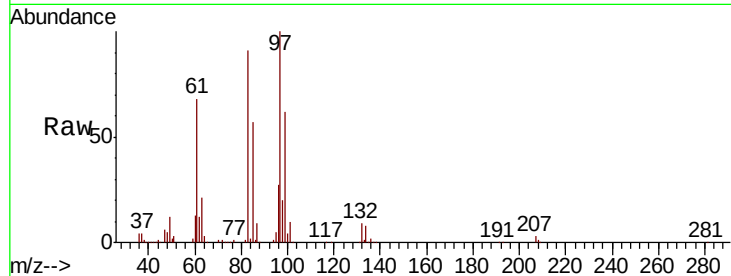
ClientSampleId :

ICVVN101819

Tot Ion:	97	Resp:	253821
Ion	Ratio	Lower	Upper
97	100		
83	90.9	72.2	108.4
85	57.2	46.2	69.2
99	62.2	48.7	73.1

Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:20 AM



#56

Ethyl methacrylate

Concen: 47.738 ug/l

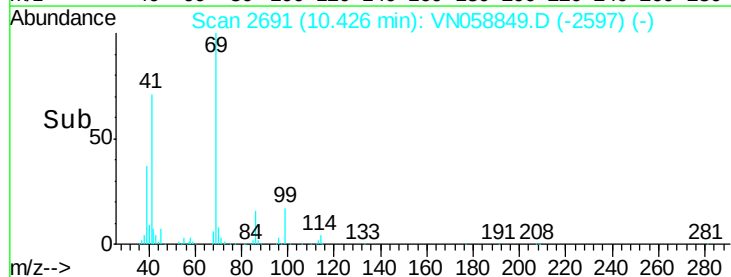
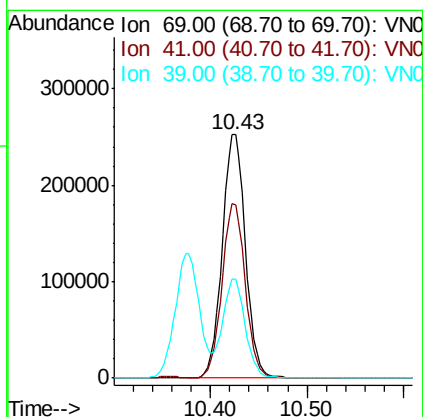
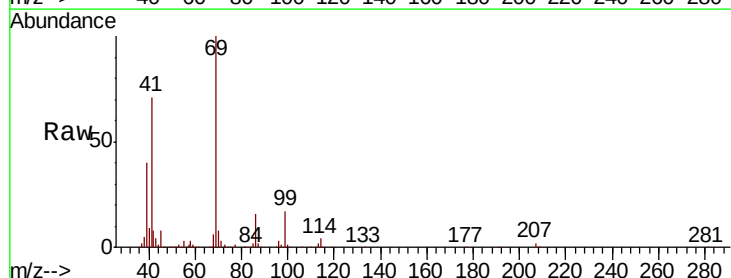
RT: 10.43 min Scan# 2691

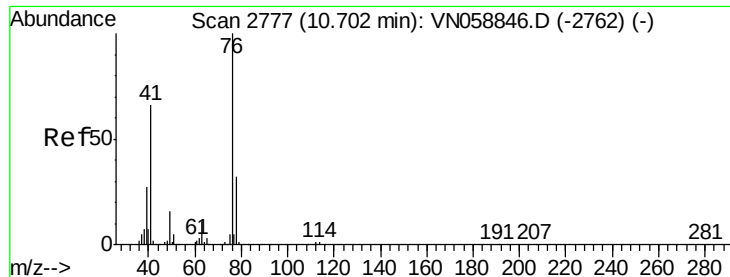
Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Tgt Ion:	69	Resp:	420576
Ion	Ratio	Lower	Upper
69	100		
41	71.4	57.2	85.8
39	40.2	31.0	46.4





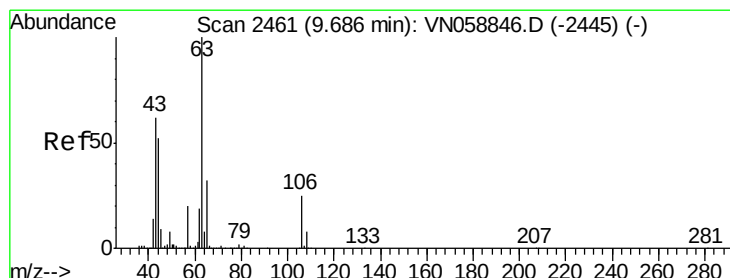
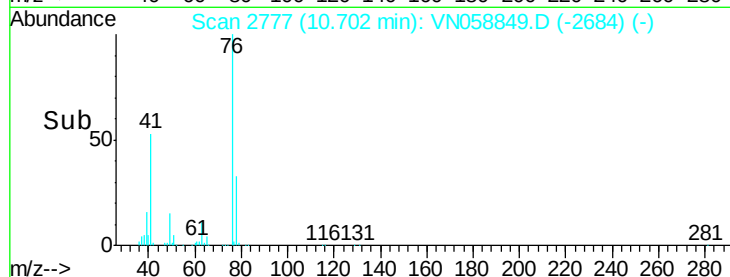
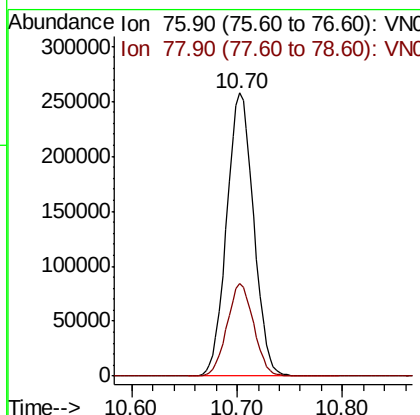
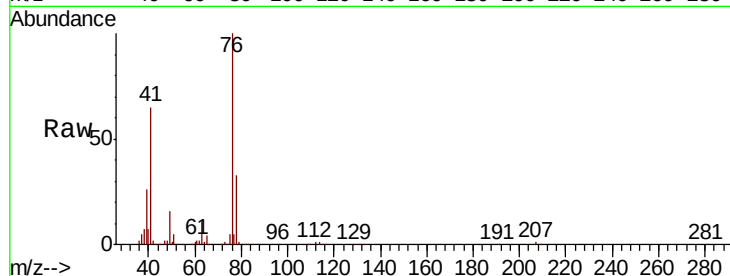
#57
 1,3-Dichloropropane
 Concen: 49.282 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101819

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.4	38.0

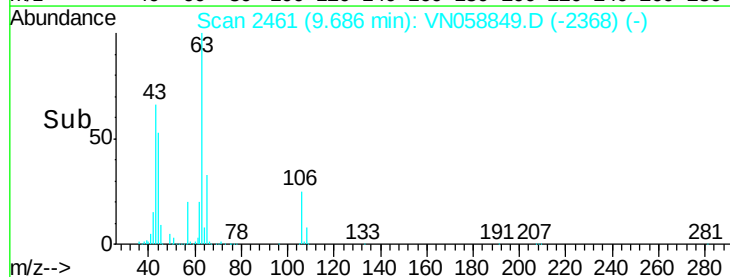
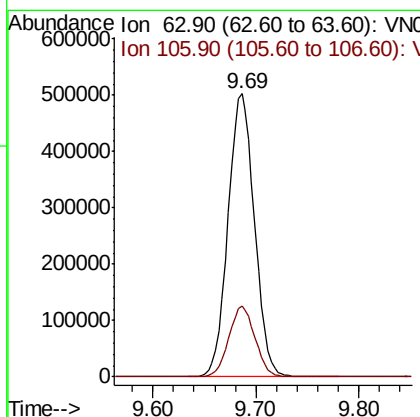
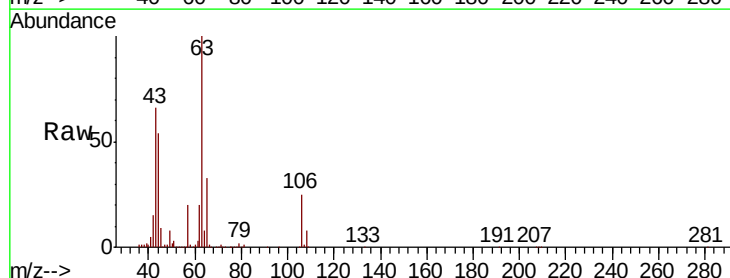
Manual Integrations
 APPROVED

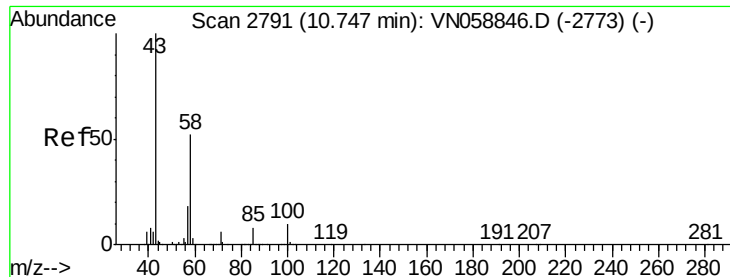
MMDadoda
 10/21/2019 10:43:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.720 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	19.8	29.8





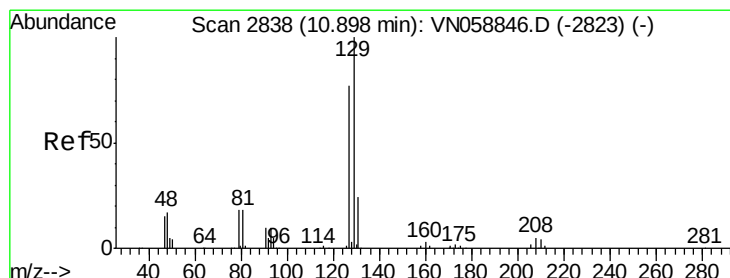
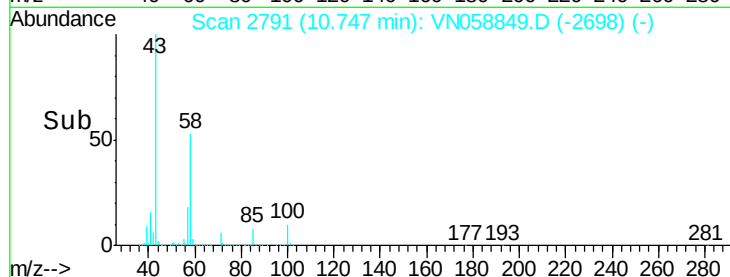
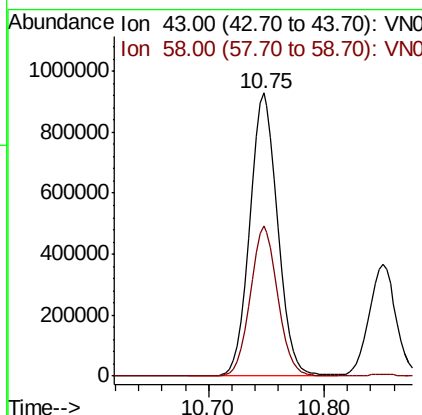
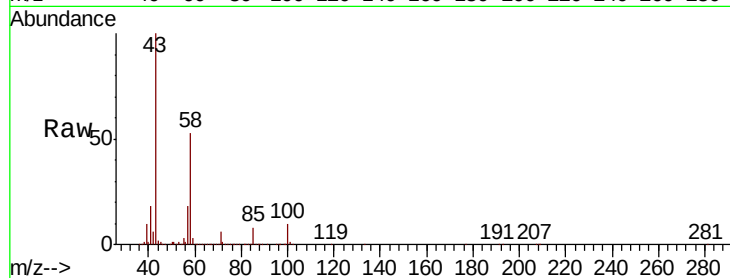
#59
2-Hexanone
Concen: 269.784 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion: 43 Resp: 1558960
Ion Ratio Lower Upper
43 100
58 52.2 25.9 77.7

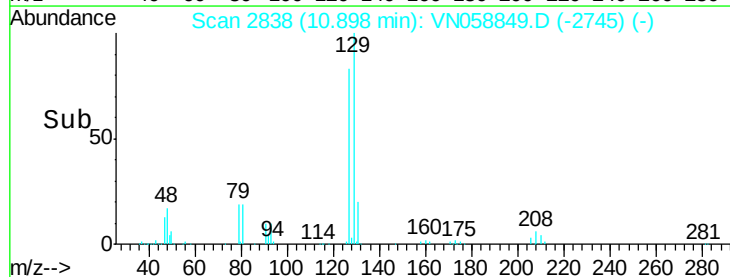
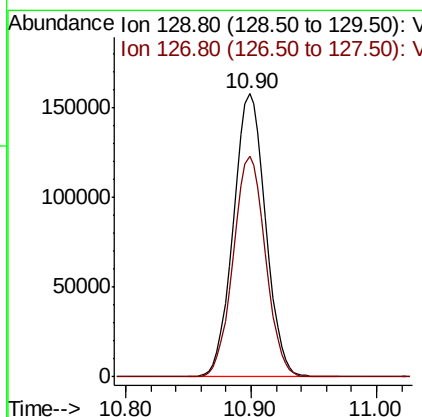
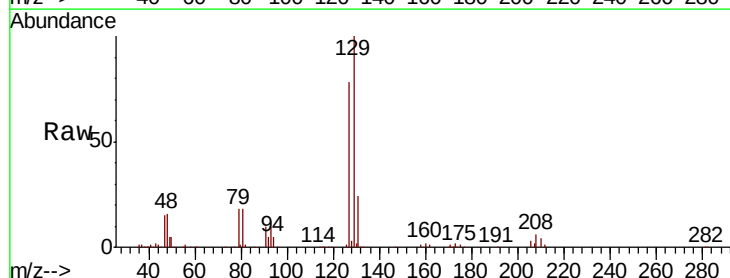
Manual Integrations
APPROVED

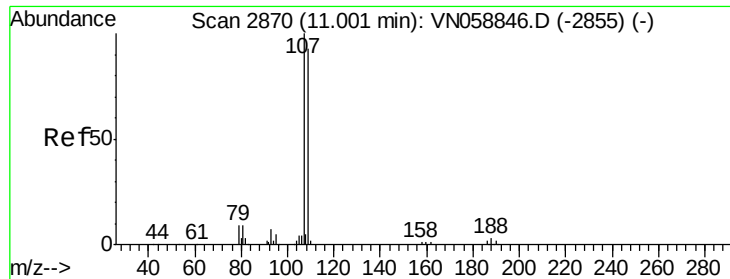
MMDadoda
10/21/2019 10:43:20 AM



#60
Dibromochloromethane
Concen: 49.723 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion: 129 Resp: 281283
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.3





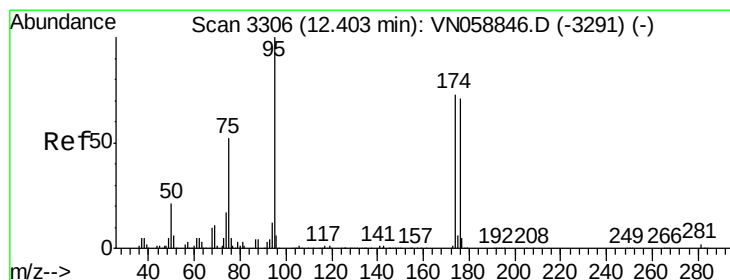
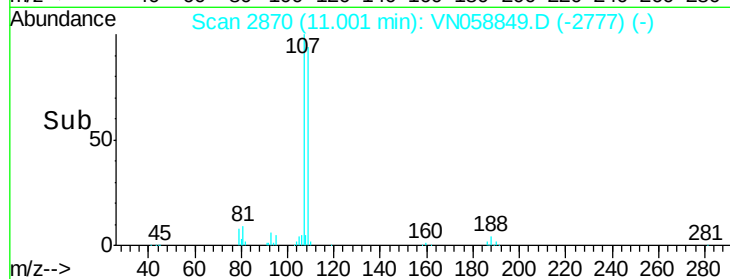
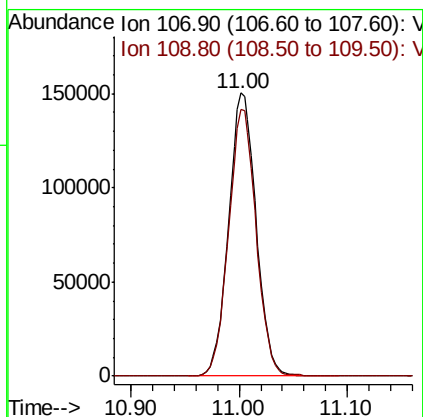
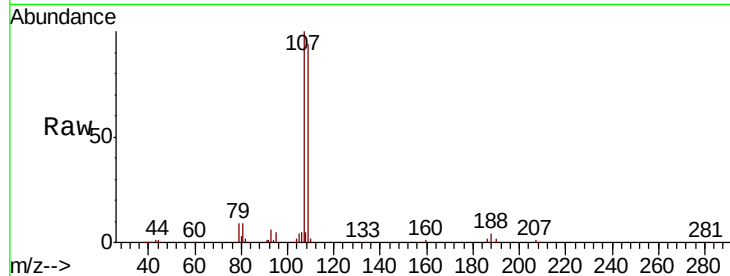
#61
 1,2-Dibromoethane
 Concen: 49.611 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101819

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.2	112.8

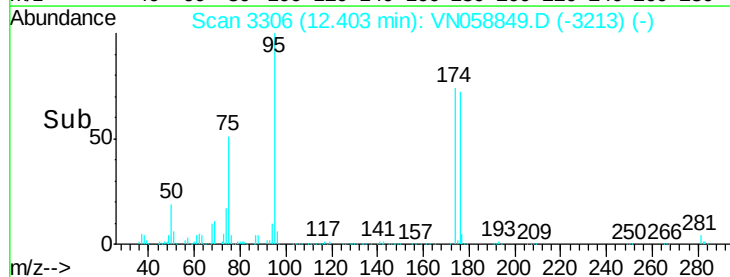
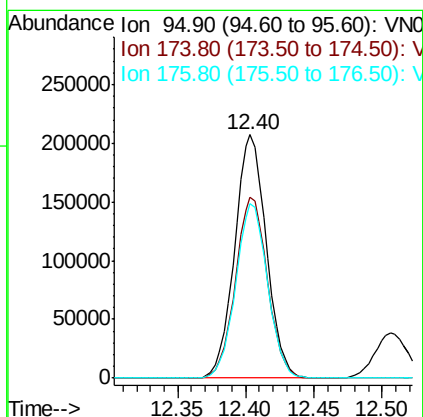
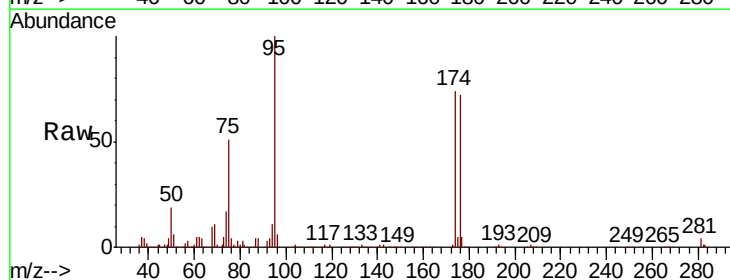
Manual Integrations
 APPROVED

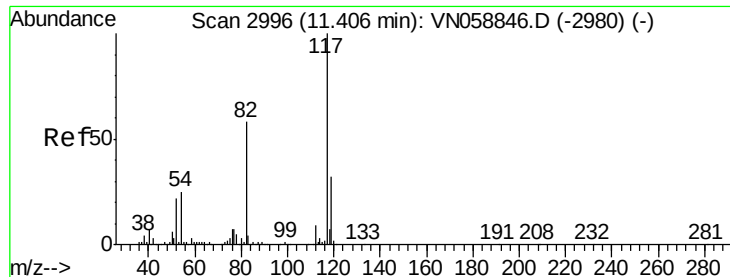
MMDadoda
 10/21/2019 10:43:20 AM



#62
 4-Bromofluorobenzene
 Concen: 49.711 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	147.6
176	72.0	0.0	143.2





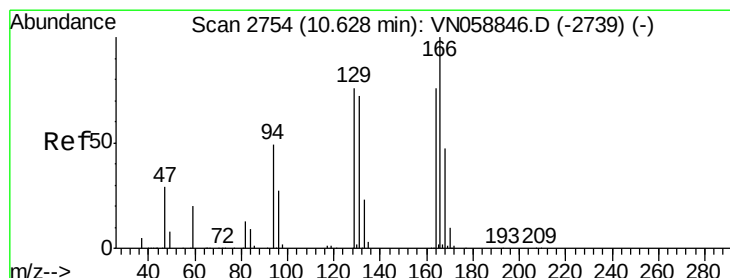
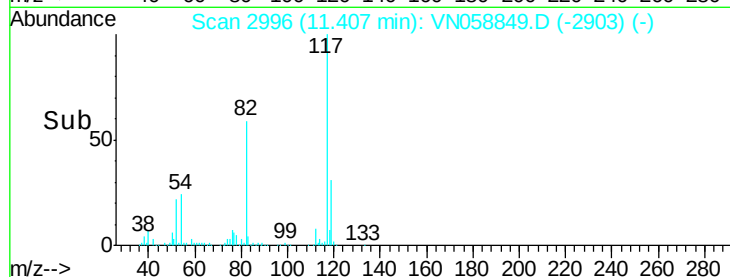
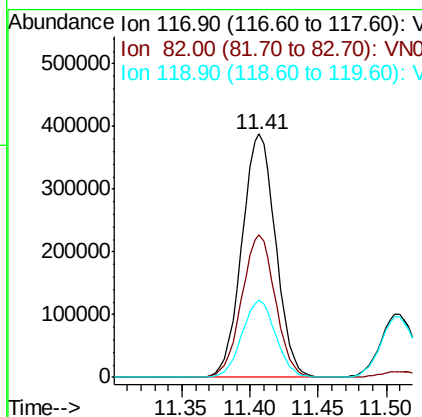
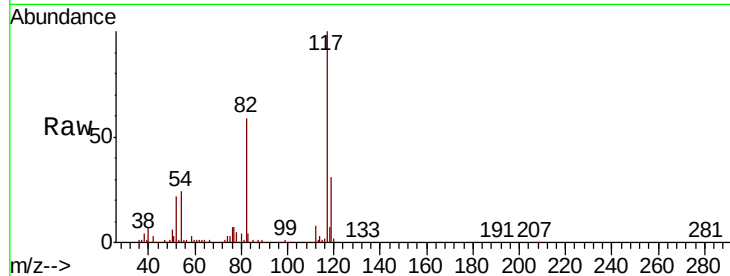
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.6	69.8
119	31.5	25.6	38.4

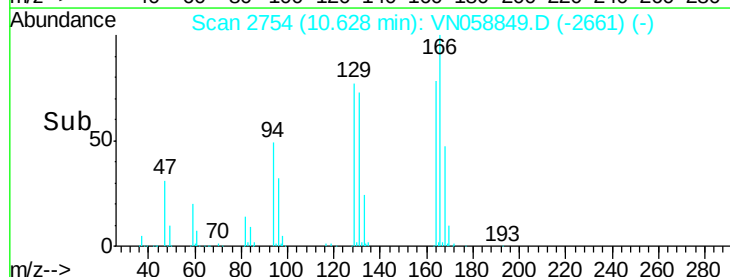
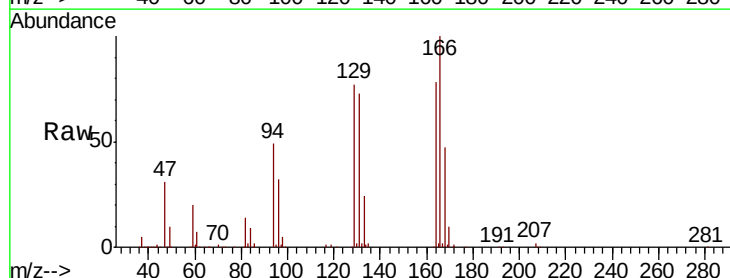
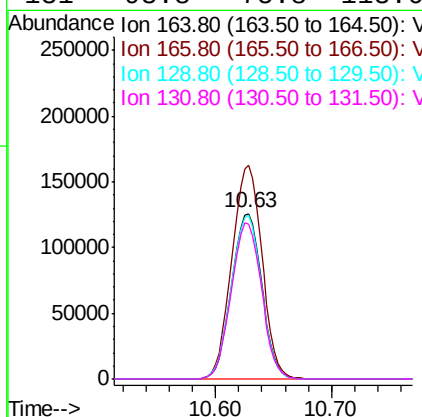
Manual Integrations
APPROVED

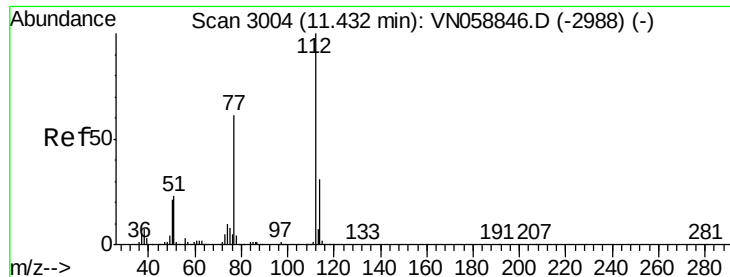
MMDadoda
10/21/2019 10:43:20 AM



#64
Tetrachloroethene
Concen: 48.823 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	104.8	157.2
129	99.0	79.3	118.9
131	93.8	75.8	113.6





#65

Chlorobenzene

Concen: 50.529 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101819

Tot Ion:112 Resp: 683353

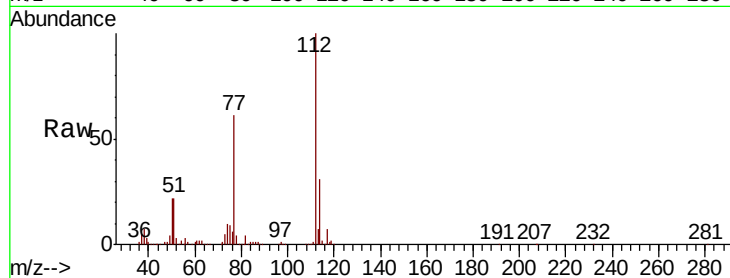
Ion Ratio Lower Upper

112 100

114 31.2 25.1 37.7

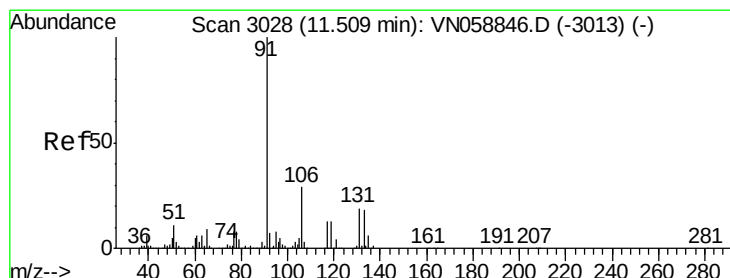
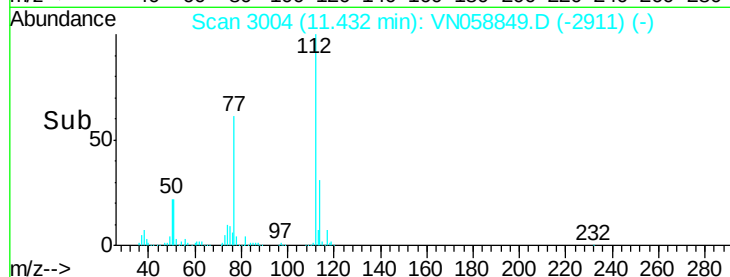
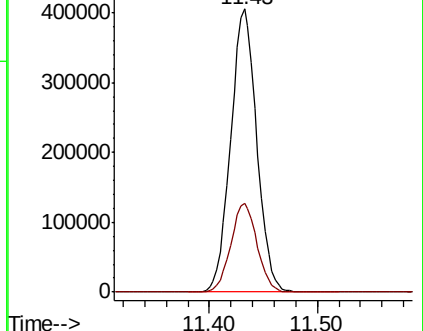
Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:20 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.104 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

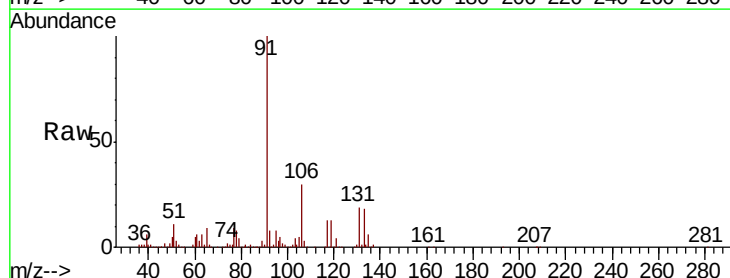
Tgt Ion:131 Resp: 255700

Ion Ratio Lower Upper

131 100

133 95.6 48.4 145.2

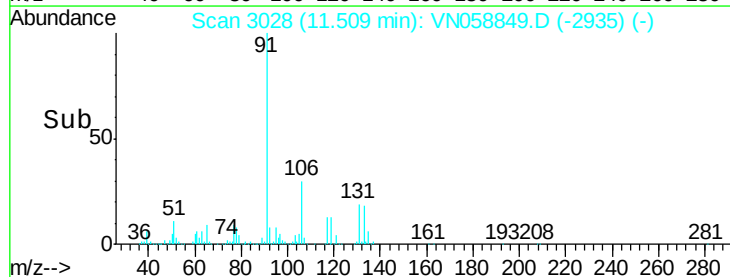
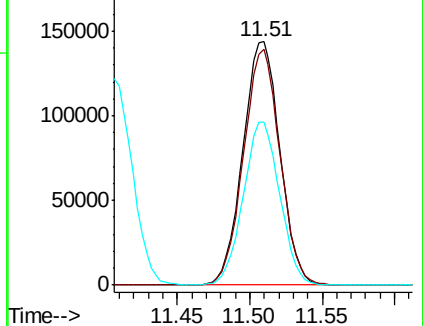
119 65.8 33.6 100.8

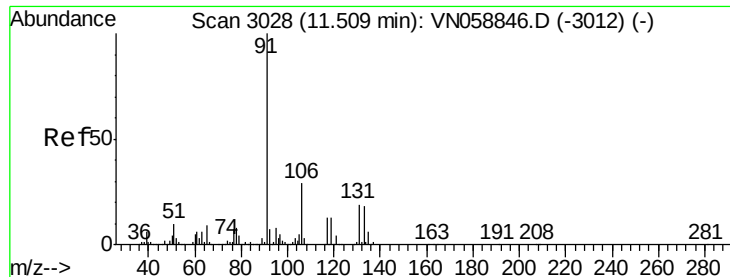


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 53.506 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101819

Tot Ion: 91 Resp: 1269404

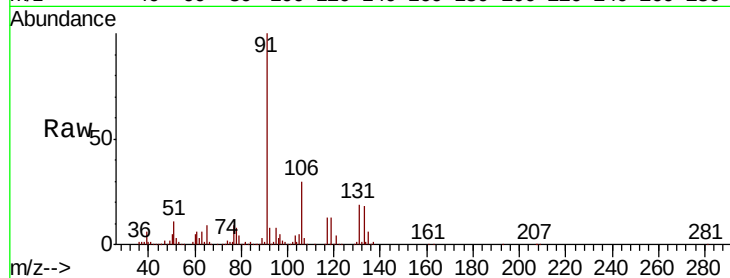
Ion Ratio Lower Upper

91 100

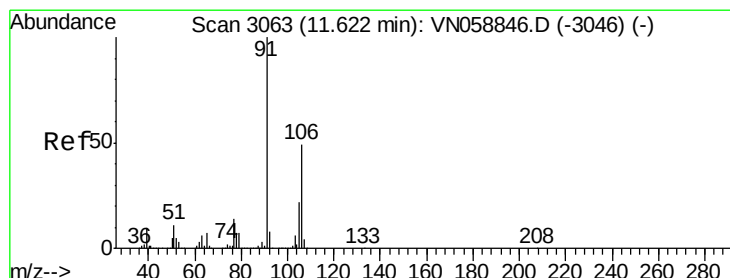
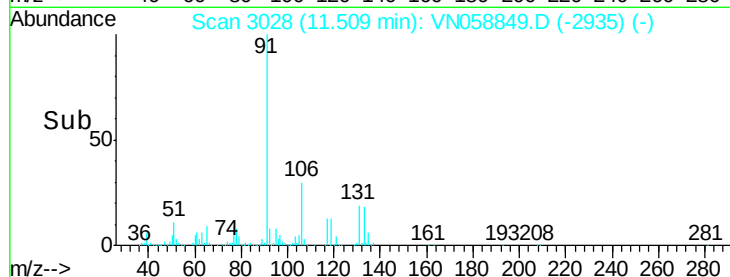
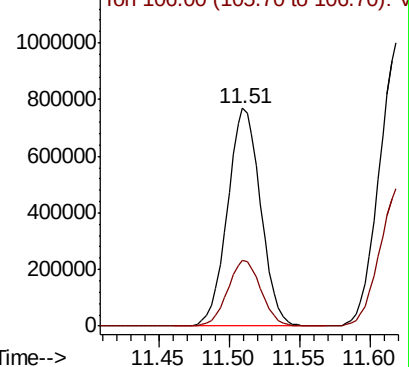
106 30.0 23.4 35.0

Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:20 AM



Abundance Ion 91.00 (90.70 to 91.70): VN058849.D (-2935) (-)



#68

m/p-Xylenes

Concen: 107.322 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058849.D

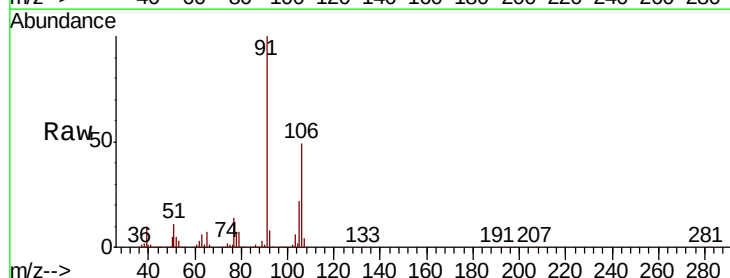
Acq: 18 Oct 2019 11:27

Tgt Ion: 106 Resp: 944227

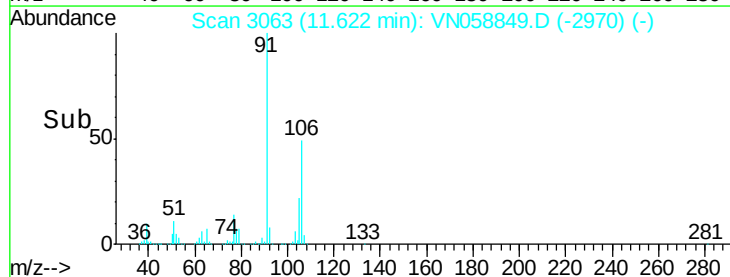
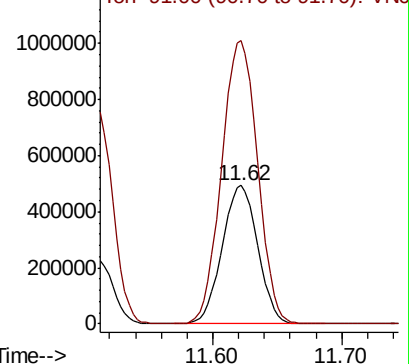
Ion Ratio Lower Upper

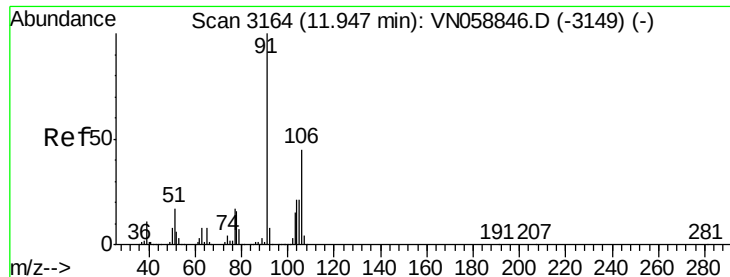
106 100

91 207.3 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058849.D (-2970) (-)





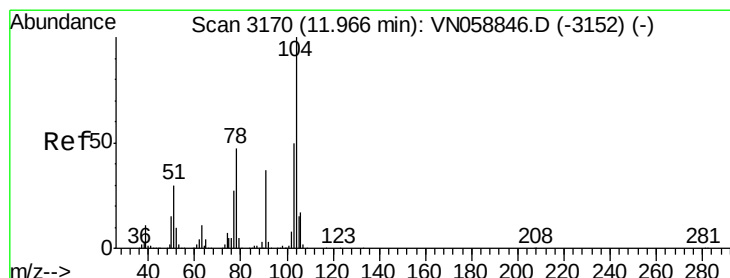
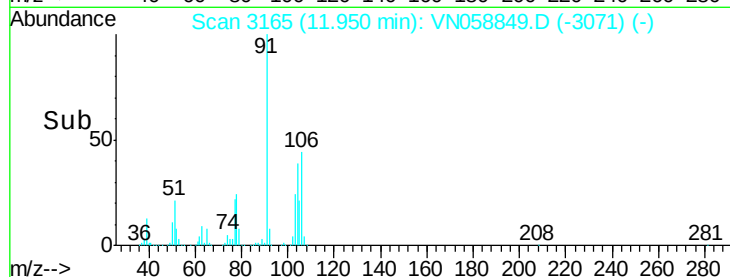
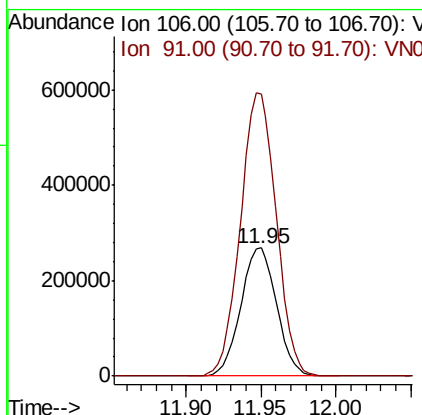
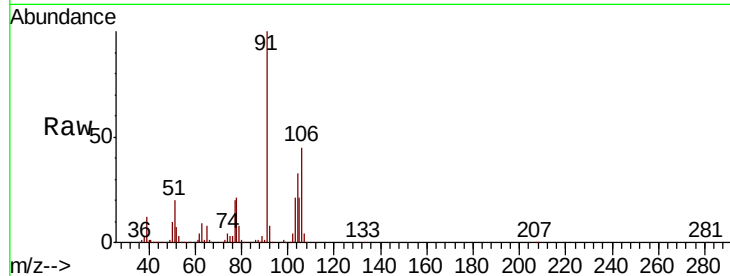
#69
o-Xylene
Concen: 53.242 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.8	111.5	334.4

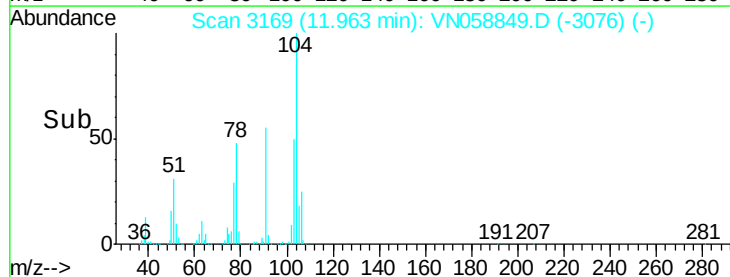
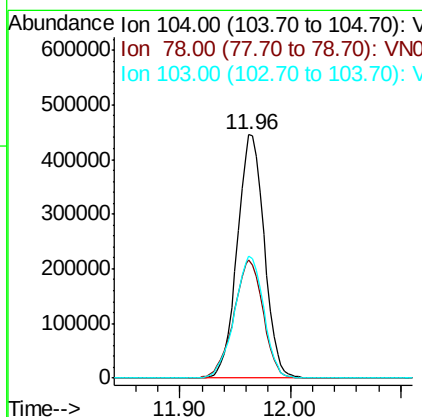
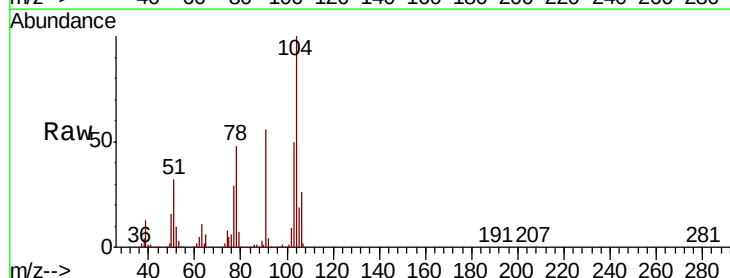
Manual Integrations
APPROVED

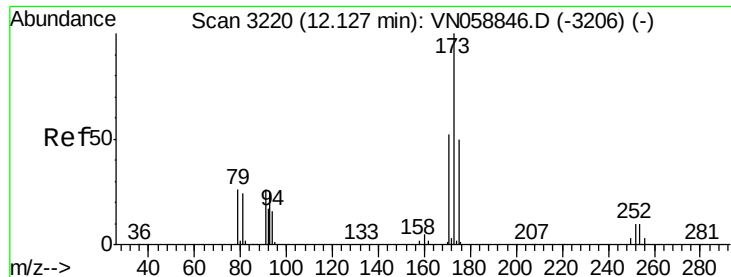
MMDadoda
10/21/2019 10:43:20 AM



#70
Styrene
Concen: 48.906 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.8	64.2
103	54.3	44.3	66.5





#71

Bromoform

Concen: 50.916 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

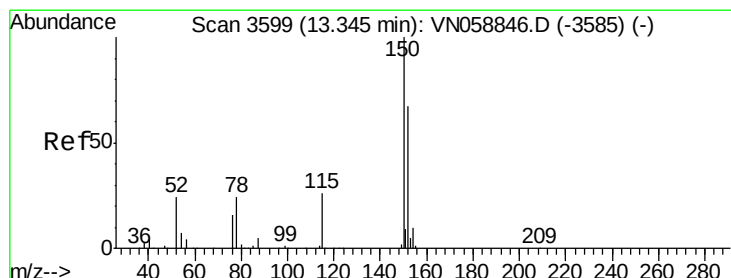
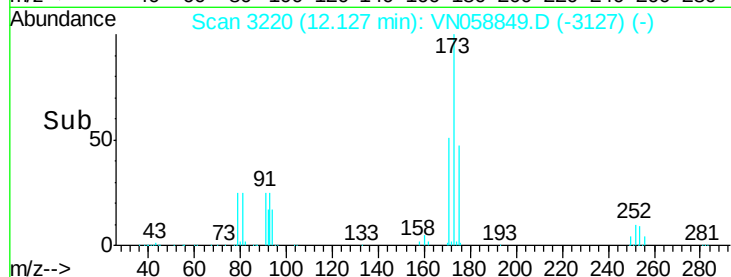
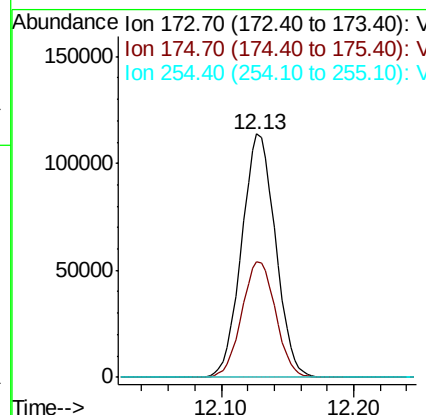
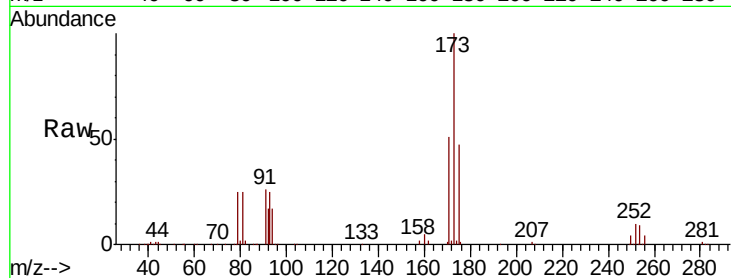
ClientSampleId :

ICVVN101819

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.7	74.1
254	0.1	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:20 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

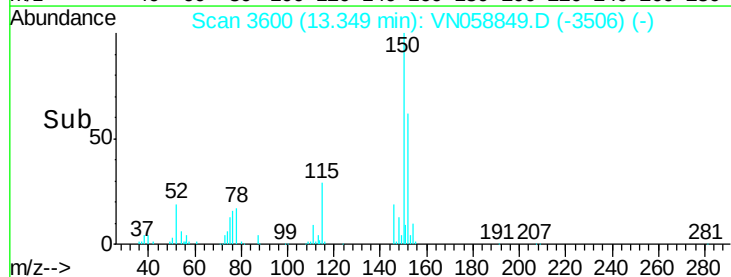
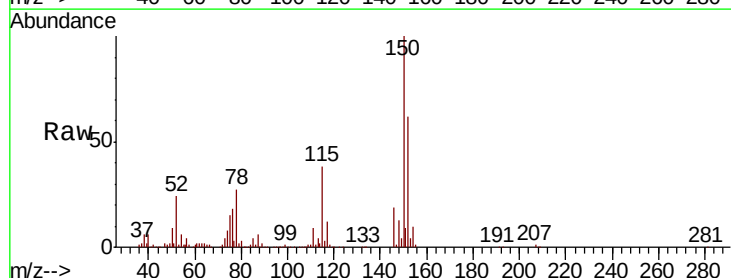
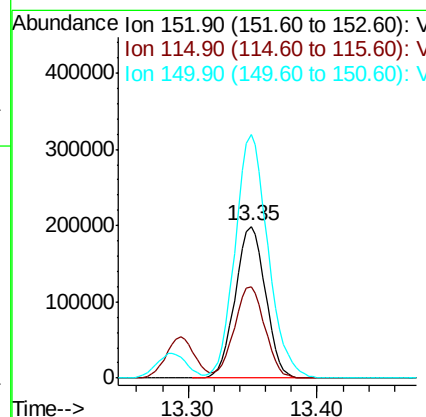
RT: 13.35 min Scan# 3600

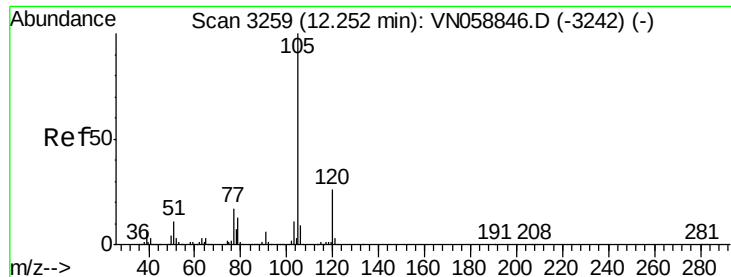
Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.5	91.5
150	174.1	0.0	344.4





#73

Isopropylbenzene

Concen: 51.747 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101819

Tot Ion:105 Resp: 1227540

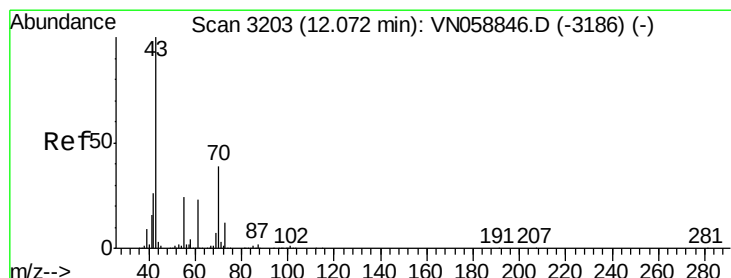
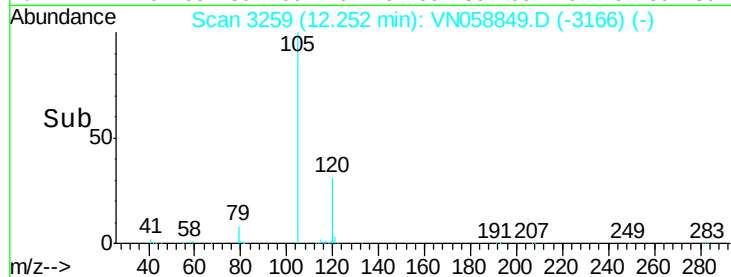
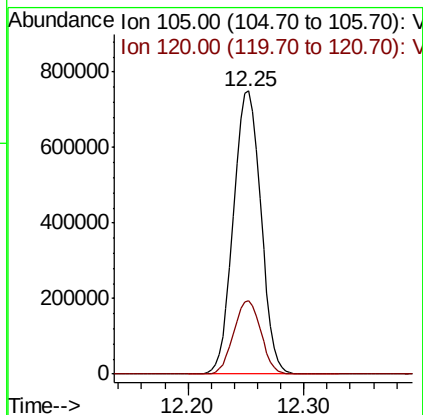
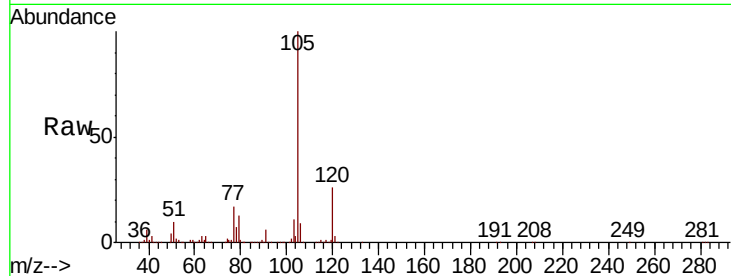
Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.4

Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:20 AM



#74

N-ethyl acetate

Concen: 53.944 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Tgt Ion: 43 Resp: 580147

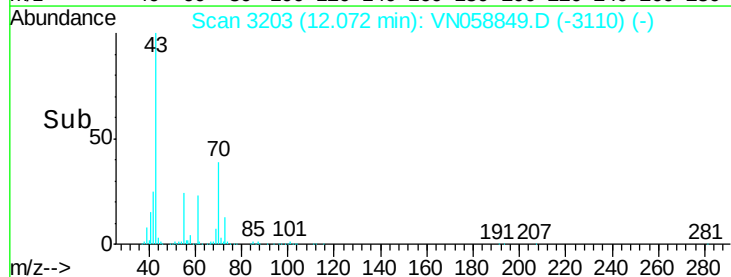
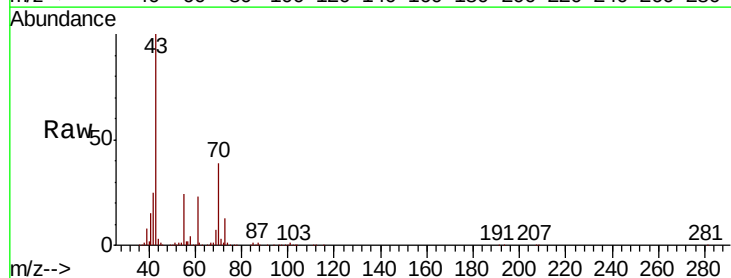
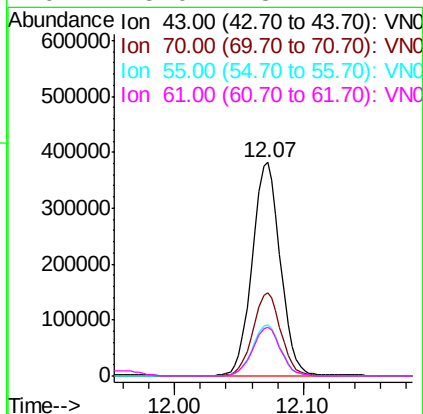
Ion Ratio Lower Upper

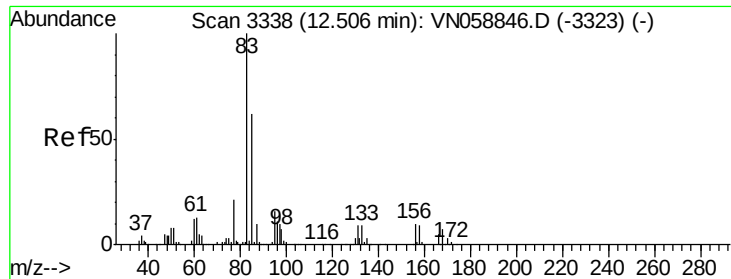
43 100

70 39.0 30.9 46.3

55 24.2 19.7 29.5

61 23.0 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.194 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101819

Tot Ion: 83 Resp: 401996
Ion Ratio Lower Upper

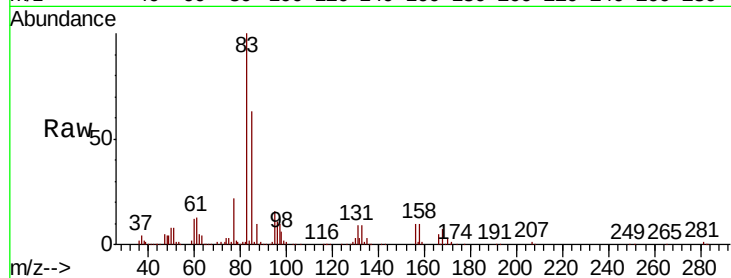
83 100

131 9.5 4.7 14.1

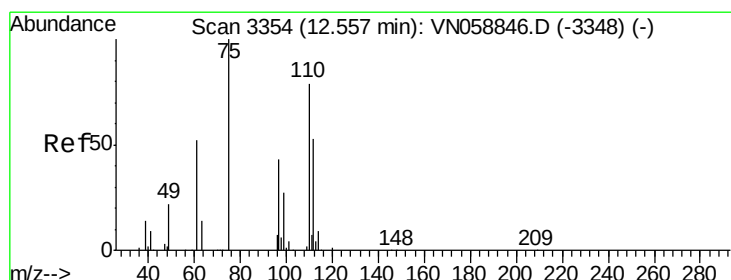
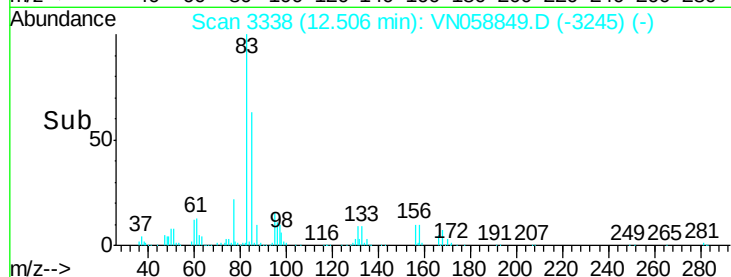
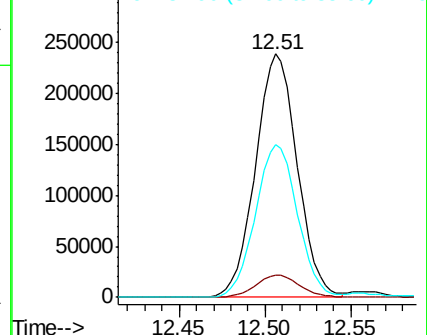
85 63.2 31.7 95.1

Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:20 AM



Abundance Ion 82.90 (82.60 to 83.60): VN058849.D (-3338) (-)
Ion 130.80 (130.50 to 131.50): VN058849.D (-3338) (-)
Ion 84.90 (84.60 to 85.60): VN058849.D (-3338) (-)



#76

1,2,3-Trichloropropane

Concen: 46.653 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

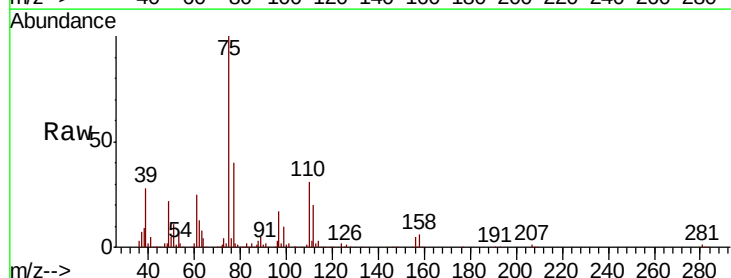
Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

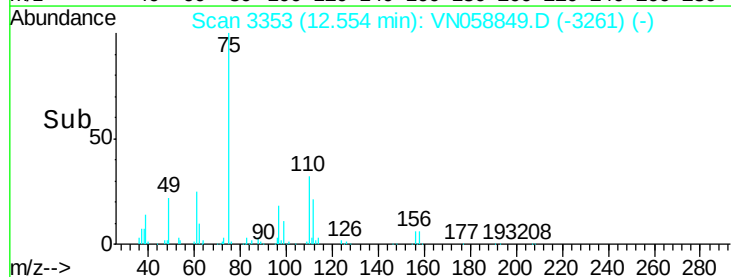
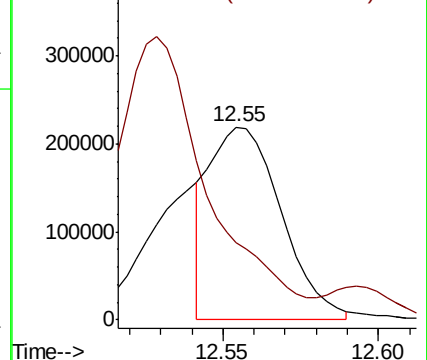
Tgt Ion: 75 Resp: 350966
Ion Ratio Lower Upper

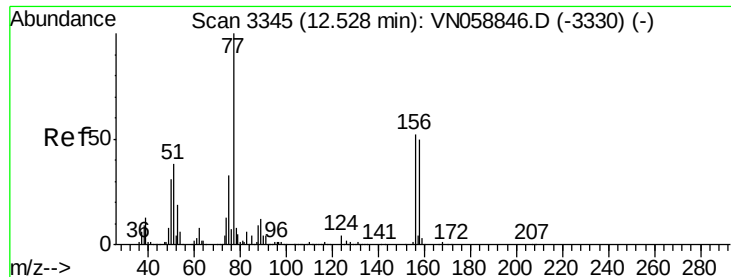
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058849.D (-3354) (-)
Ion 77.00 (76.70 to 77.70): VN058849.D (-3354) (-)





#77

Bromobenzene

Concen: 48.704 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101819

Tot Ion:156 Resp: 284776

Ion Ratio Lower Upper

156 100

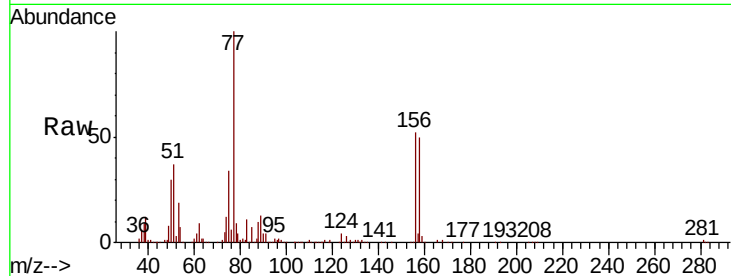
77 236.3 118.0 354.0

158 96.8 48.3 144.8

Manual Integrations
APPROVED

MMDadoda

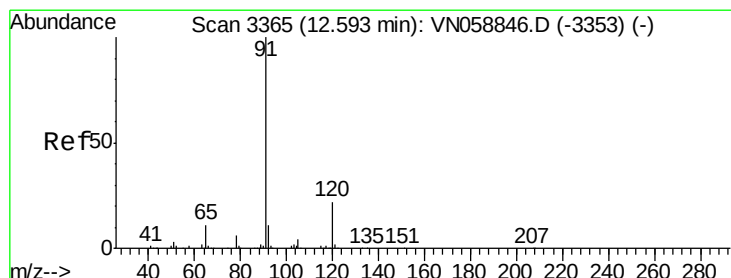
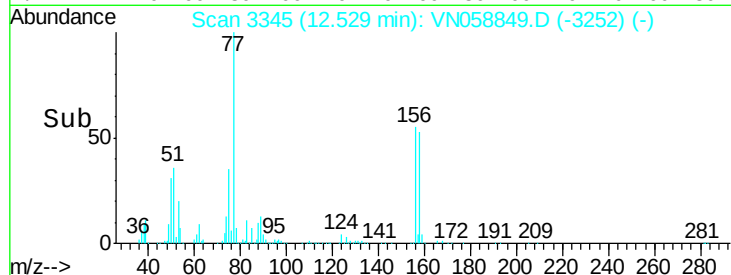
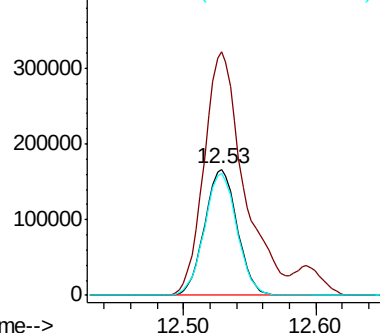
10/21/2019 10:43:20 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.249 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058849.D

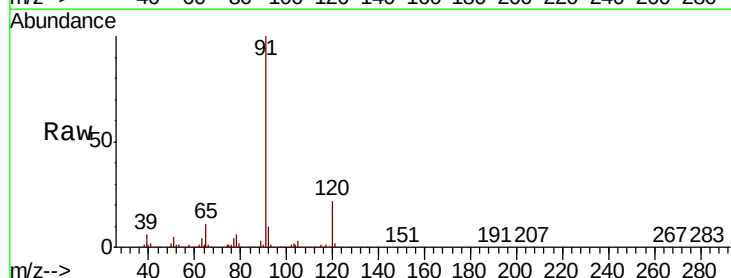
Acq: 18 Oct 2019 11:27

Tgt Ion: 91 Resp: 1465081

Ion Ratio Lower Upper

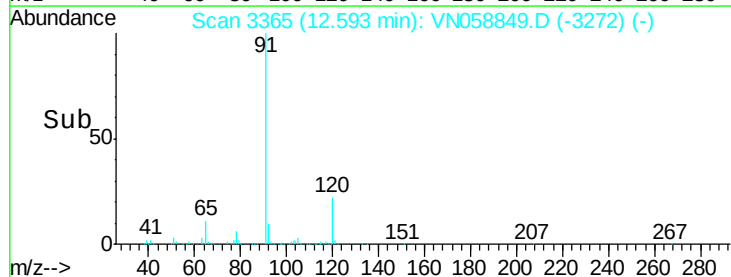
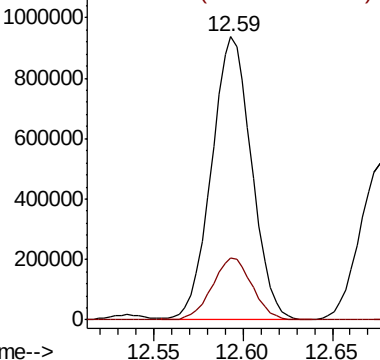
91 100

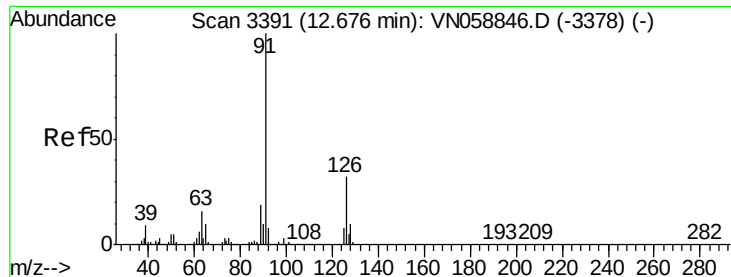
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.582 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101819

Tot Ion: 91 Resp: 850916

Ion Ratio Lower Upper

91 100

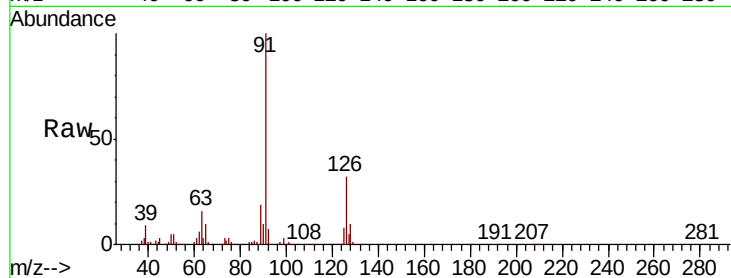
126 32.6 16.2 48.6

Manual Integrations

APPROVED

MMDadoda

10/21/2019 10:43:20 AM



Abundance Ion 91.00 (90.70 to 91.70): VN058849.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN058849.D (-3298) (-)

600000

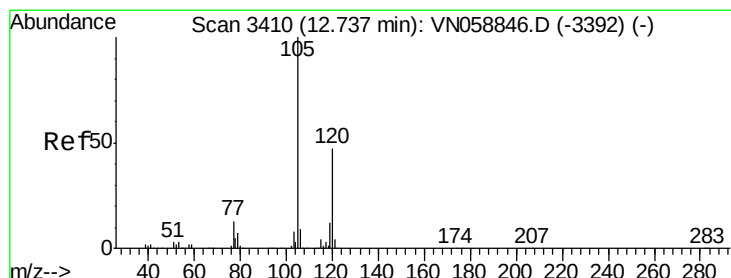
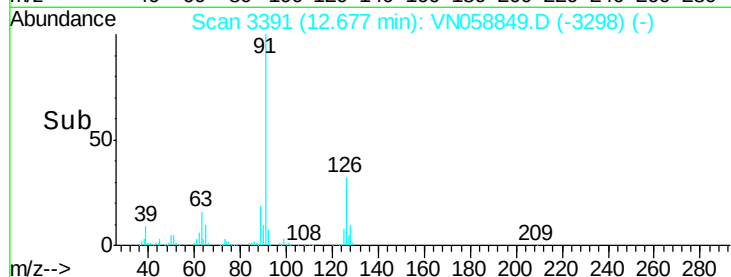
400000

200000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.549 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058849.D

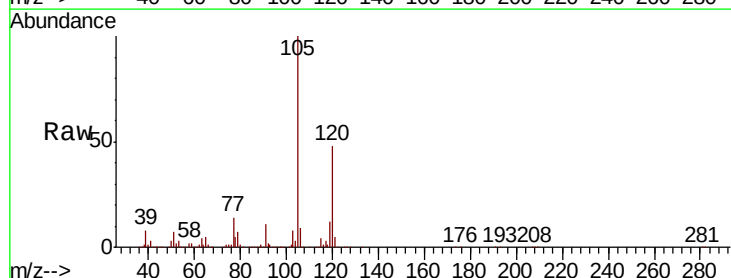
Acq: 18 Oct 2019 11:27

Tgt Ion: 105 Resp: 1047352

Ion Ratio Lower Upper

105 100

120 48.1 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058849.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058849.D (-3317) (-)

800000

600000

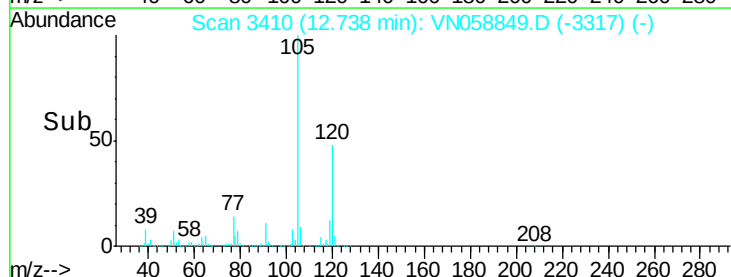
400000

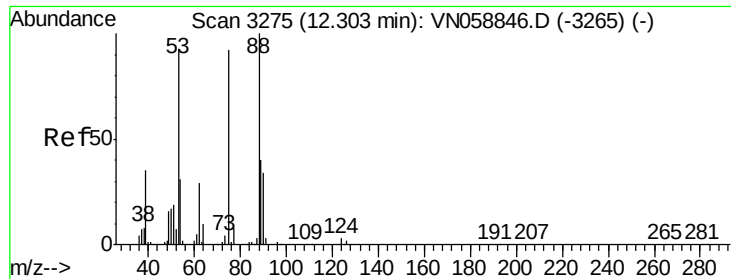
200000

0

12.65 12.70 12.75 12.80

Time-->





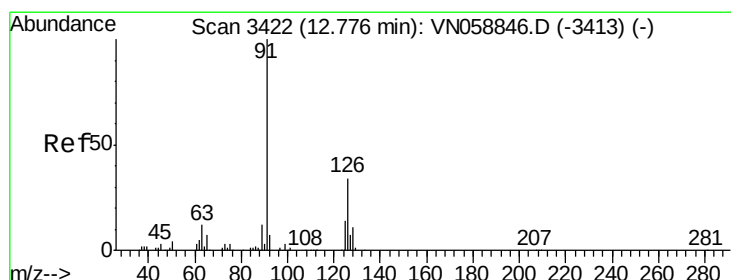
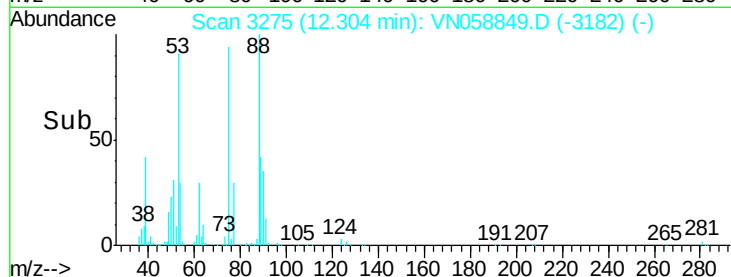
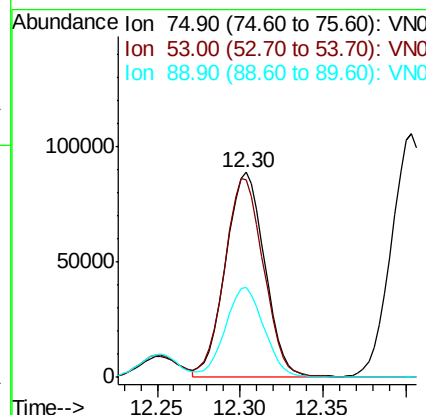
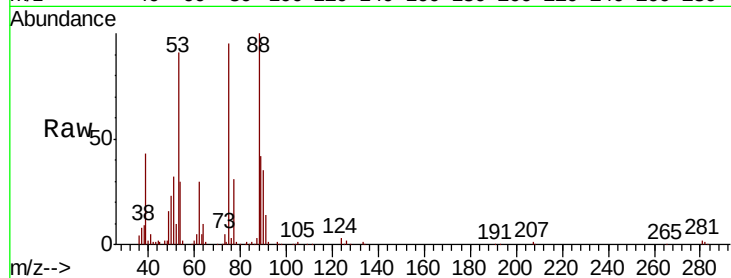
#81
trans-1,4-Dichloro-2-butene
Concen: 50.536 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.9	78.6	118.0
89	43.0	35.4	53.0

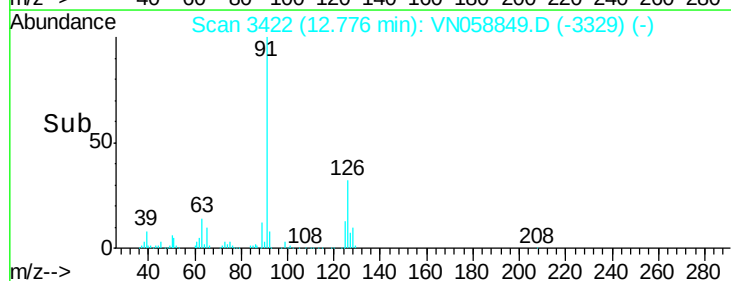
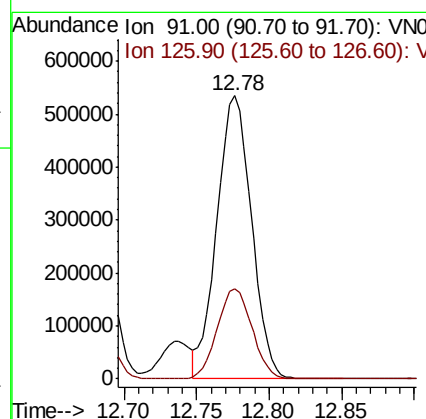
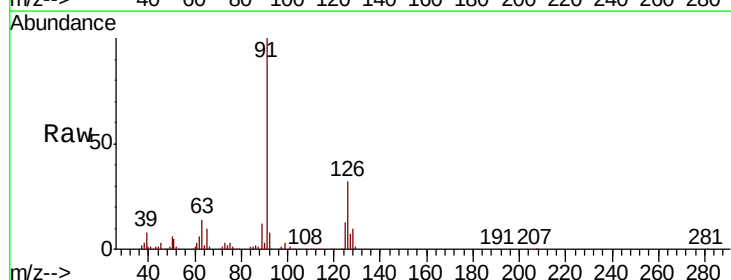
Manual Integrations
APPROVED

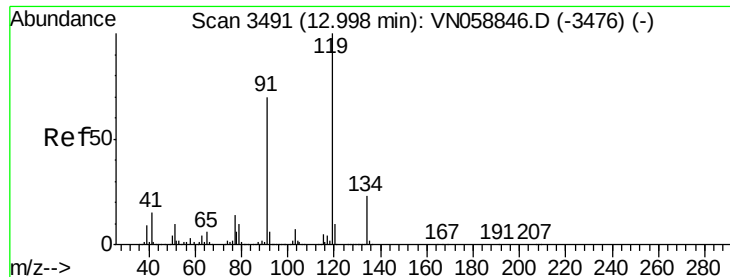
MMDadoda
10/21/2019 10:43:20 AM



#82
4-Chlorotoluene
Concen: 50.476 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.0	47.9





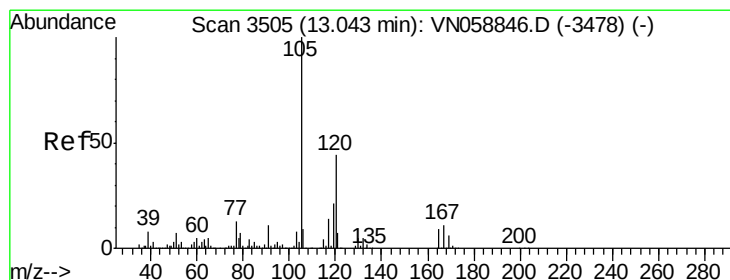
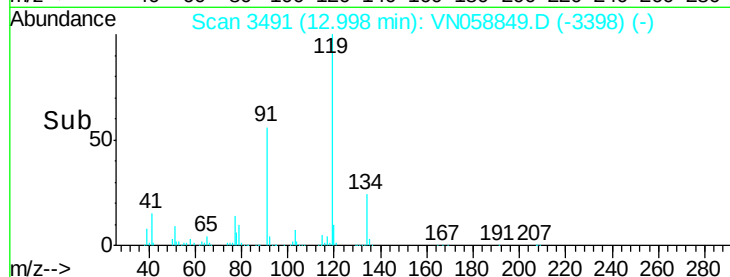
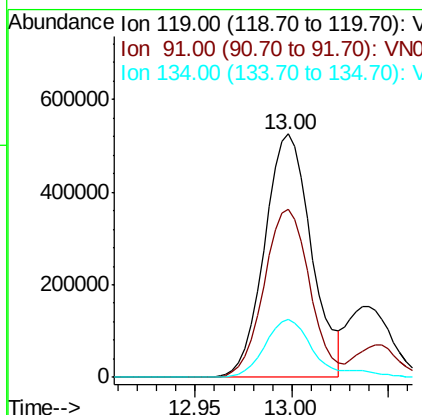
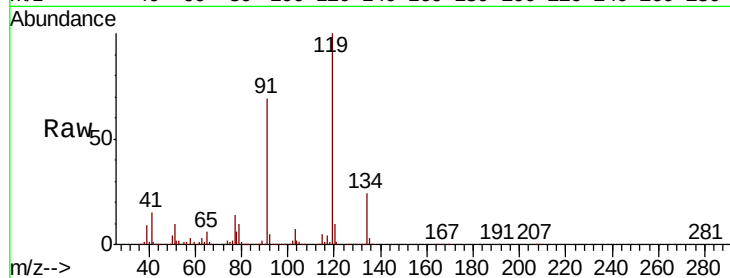
#83
tert-Butylbenzene
Concen: 51.932 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	34.1	102.3
134	25.3	11.6	34.8

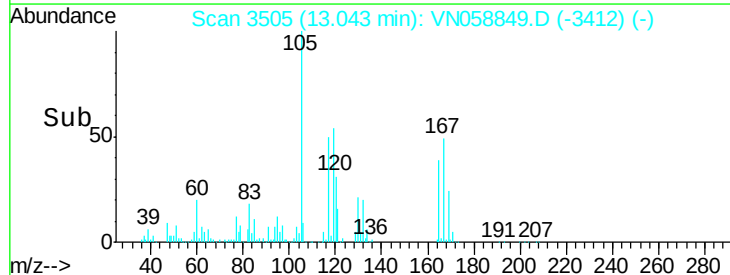
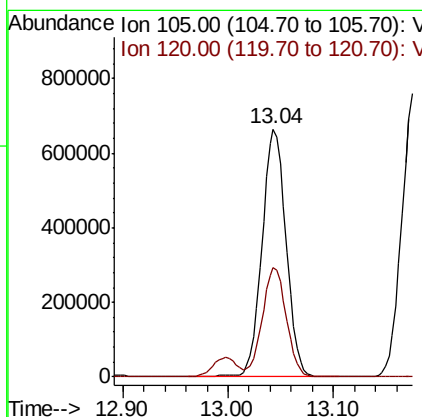
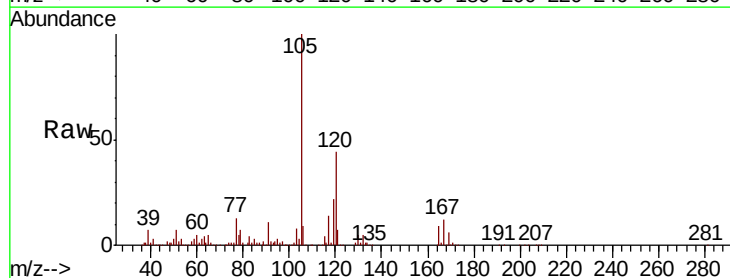
Manual Integrations
APPROVED

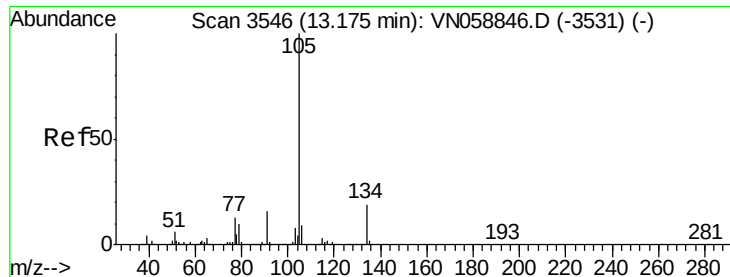
MMDadoda
10/21/2019 10:43:20 AM



#84
1,2,4-Trimethylbenzene
Concen: 53.764 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.9	65.8





#85

sec-Butylbenzene

Concen: 53.110 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101819

Tot Ion:105 Resp: 1206843

Ion Ratio Lower Upper

105 100

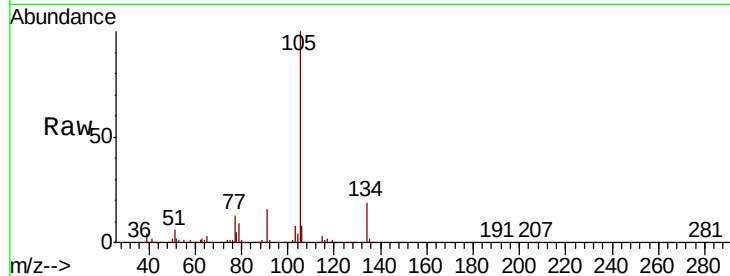
134 19.3 9.4 28.2

Manual Integrations

APPROVED

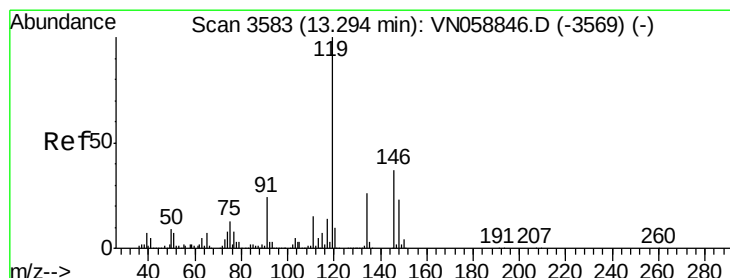
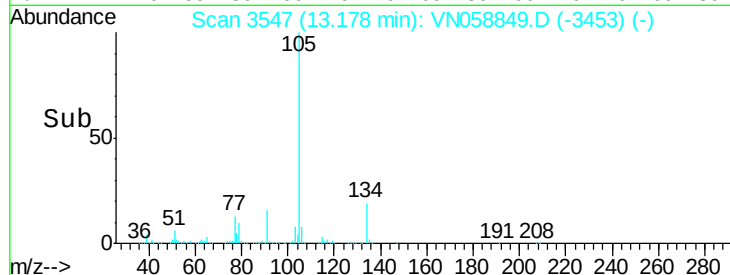
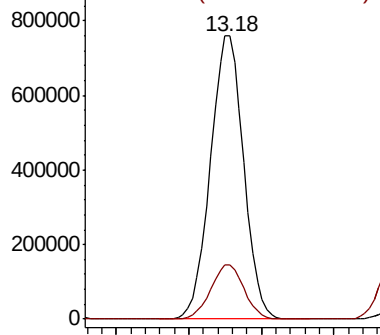
MMDadoda

10/21/2019 10:43:20 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.242 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

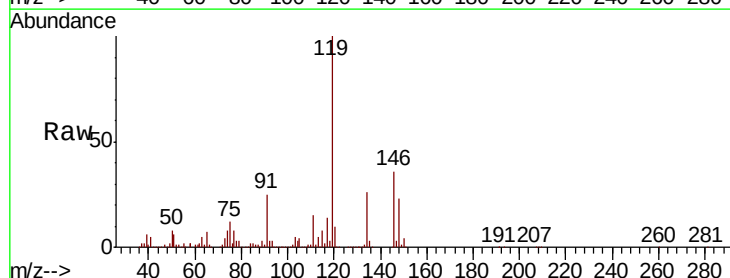
Tgt Ion:119 Resp: 1087553

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

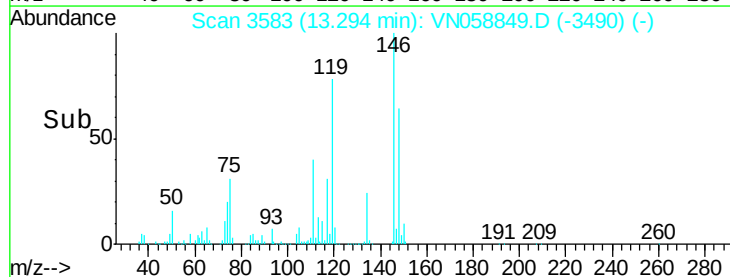
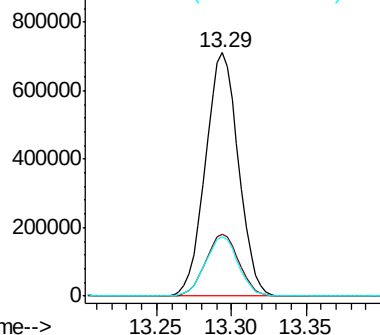
91 24.4 12.2 36.4

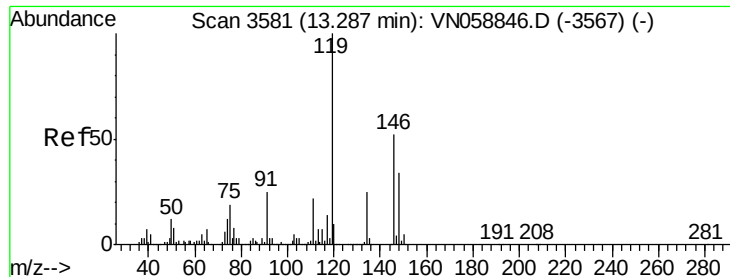


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.912 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

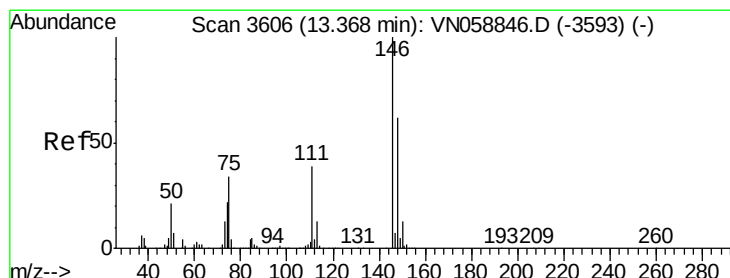
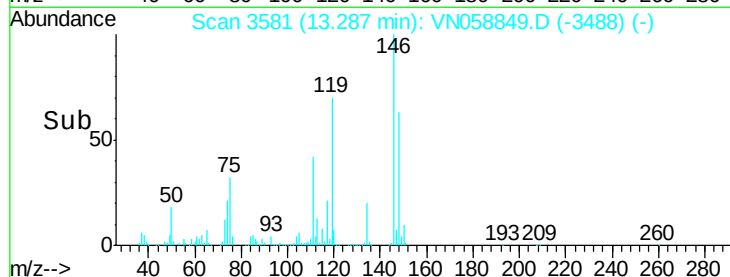
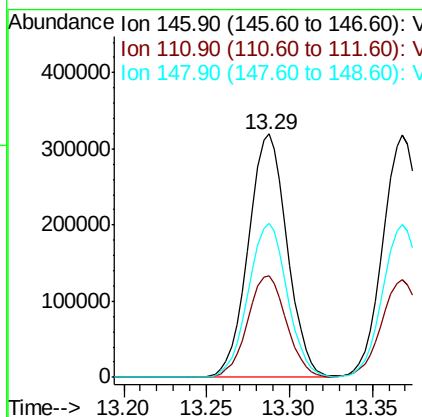
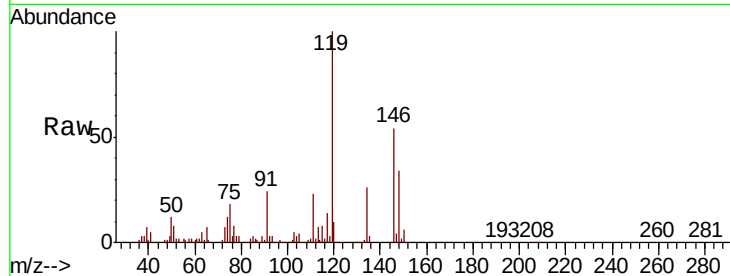
ClientSampleId :

ICVVN101819

Tot Ion:	146	Resp:	521826
Ion Ratio	Lower	Upper	
146	100		
111	41.9	21.0	63.0
148	63.6	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:20 AM



#88

1,4-Dichlorobenzene

Concen: 49.366 ug/l

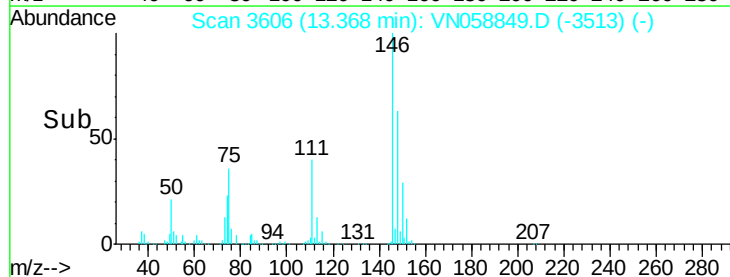
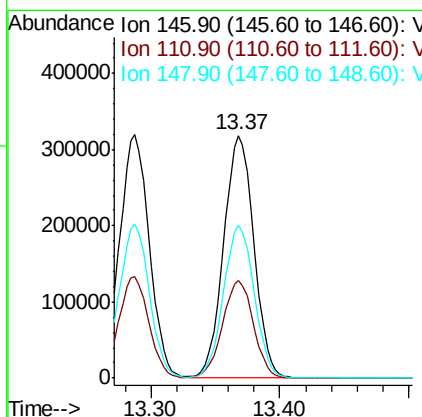
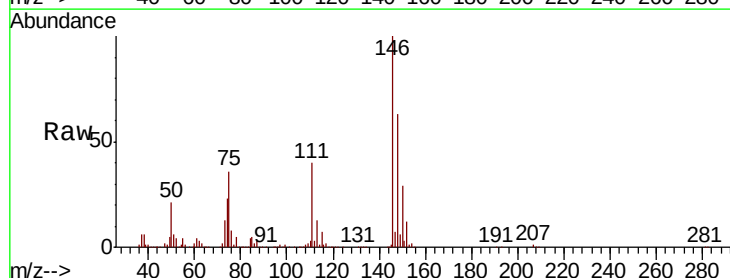
RT: 13.37 min Scan# 3606

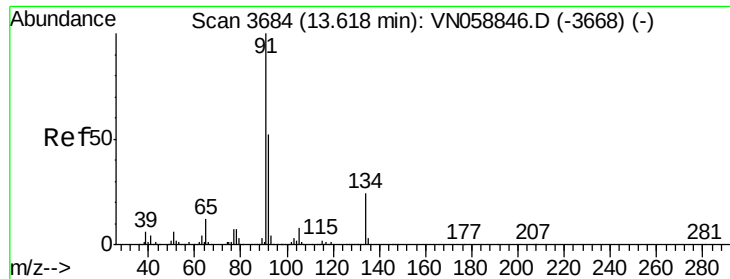
Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Tgt Ion:	146	Resp:	516741
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.2	60.6
148	64.1	31.6	94.7





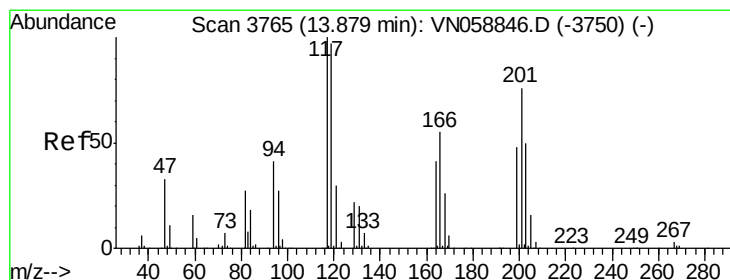
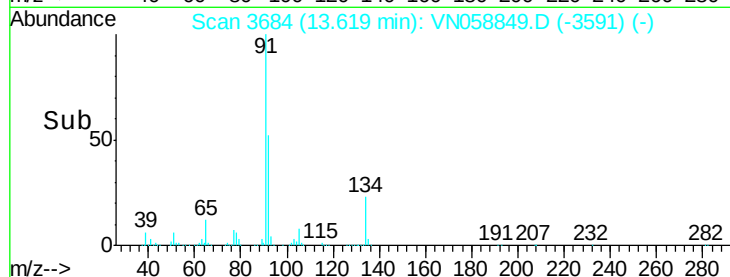
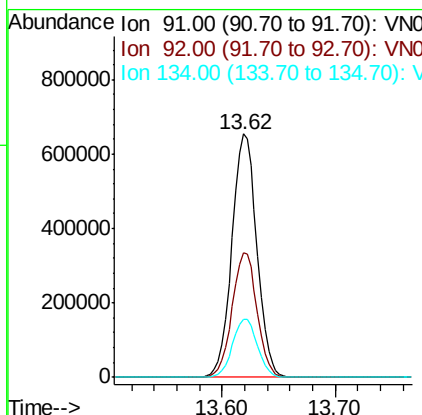
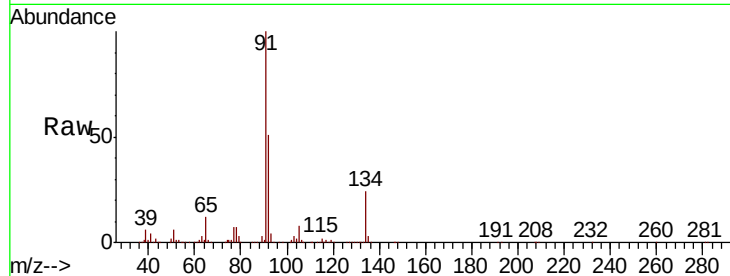
#89
n-Butylbenzene
Concen: 54.334 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.7	77.1
134	24.0	11.9	35.5

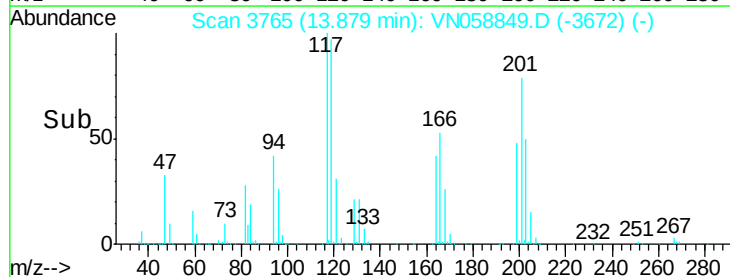
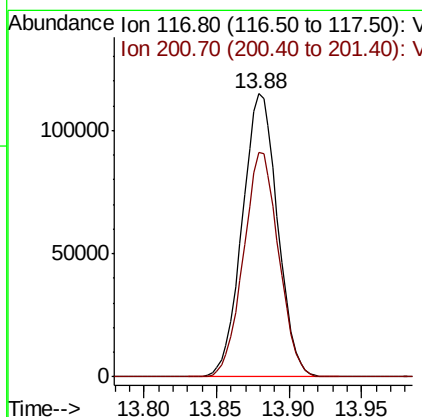
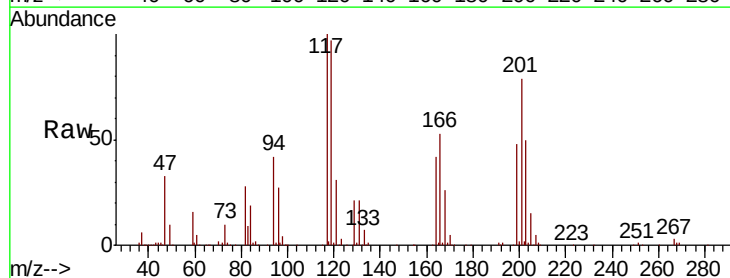
Manual Integrations
APPROVED

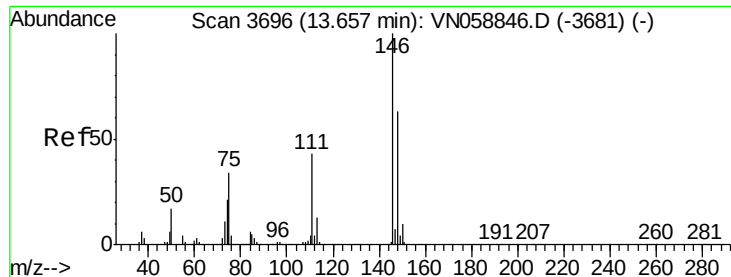
MMDadoda
10/21/2019 10:43:20 AM



#90
Hexachloroethane
Concen: 48.000 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.1	38.9	116.6





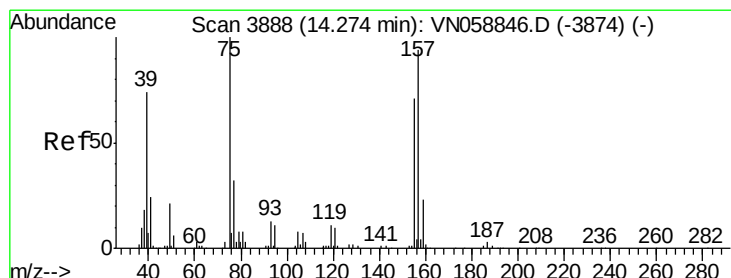
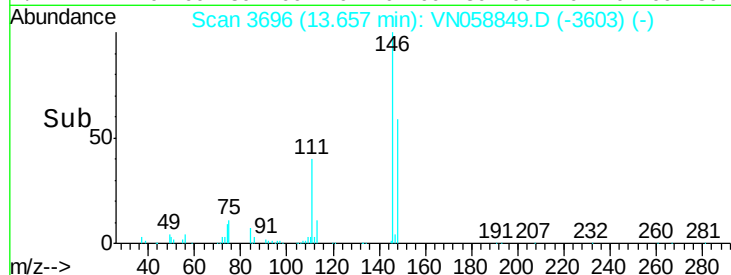
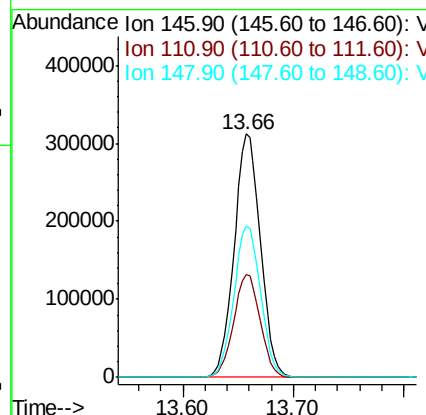
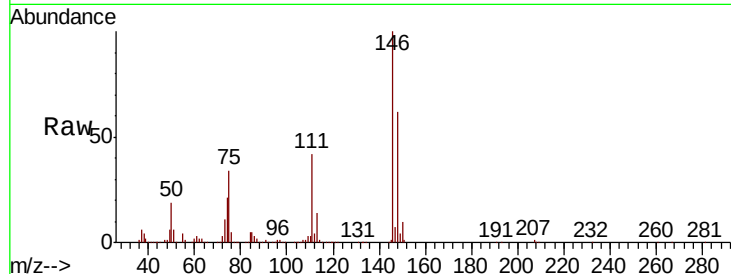
#91
 1,2-Dichlorobenzene
 Concen: 50.138 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101819

Tot Ion	Ratio	Resp	Lower	Upper
146	100	515212		
111	42.6		21.6	64.8
148	63.5		31.9	95.9

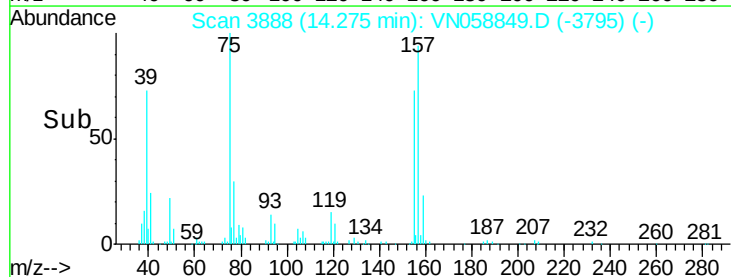
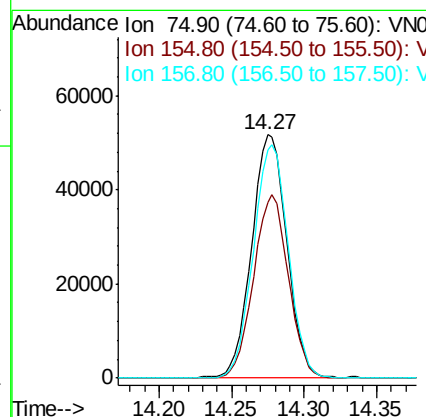
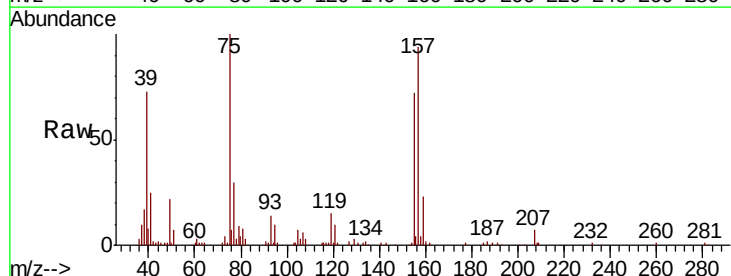
Manual Integrations
 APPROVED

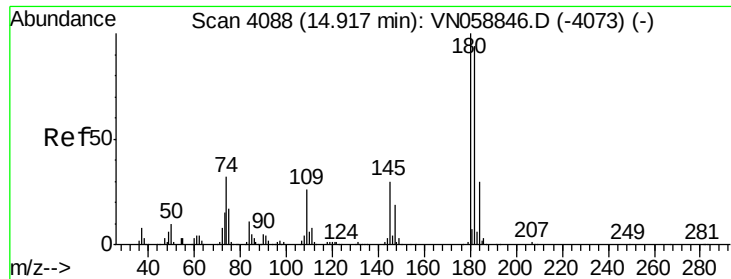
MMDadoda
 10/21/2019 10:43:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.512 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	87750		
155	74.3		35.6	106.8
157	94.8		47.4	142.2





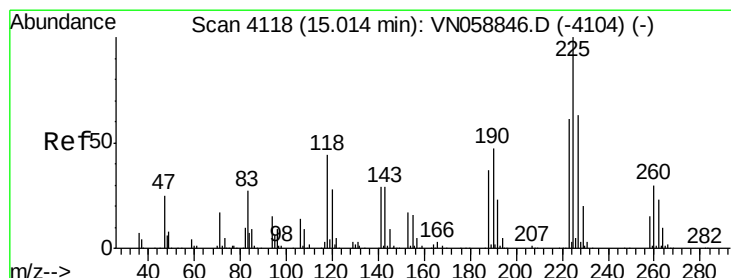
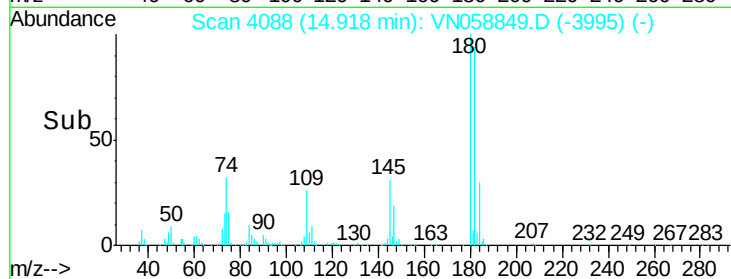
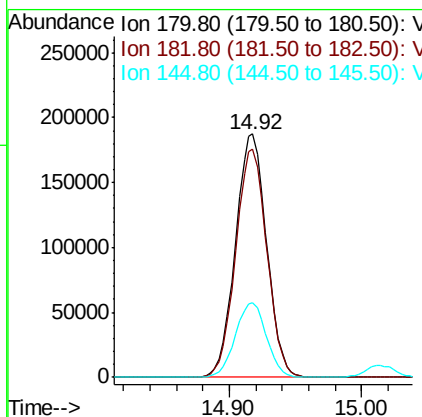
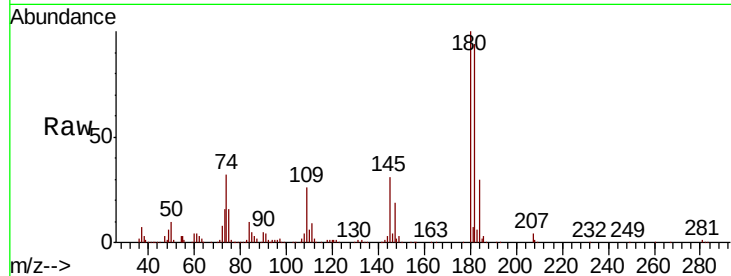
#93
 1,2,4-Trichlorobenzene
 Concen: 47.283 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101819

Tot Ion	Ratio	Resp	Lower	Upper
180	100	304937		
182	93.8	47.3	142.0	
145	30.8	15.3	45.8	

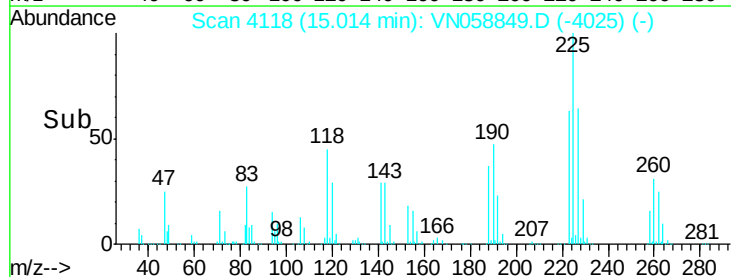
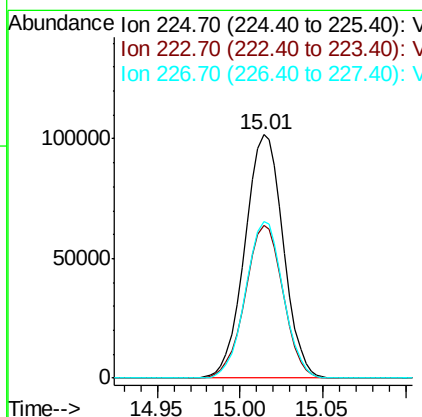
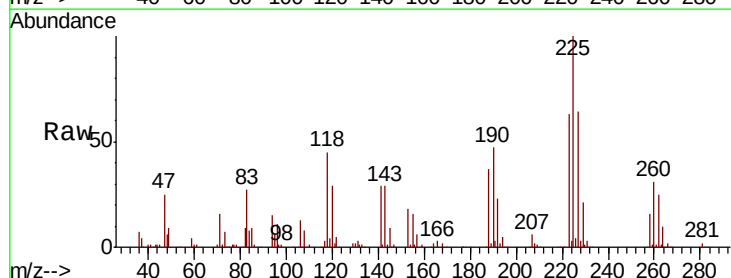
Manual Integrations
 APPROVED

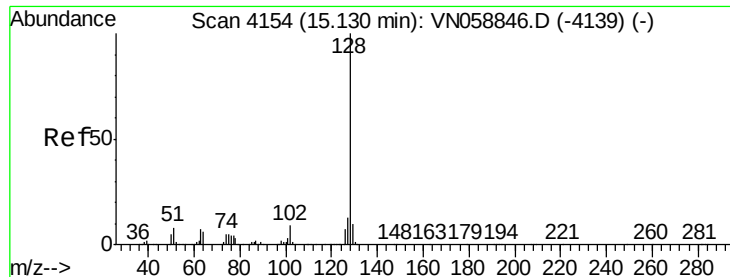
MMDadoda
 10/21/2019 10:43:20 AM



#94
 Hexachlorobutadiene
 Concen: 49.138 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	163660		
223	62.2	30.9	92.5	
227	63.2	31.6	94.7	





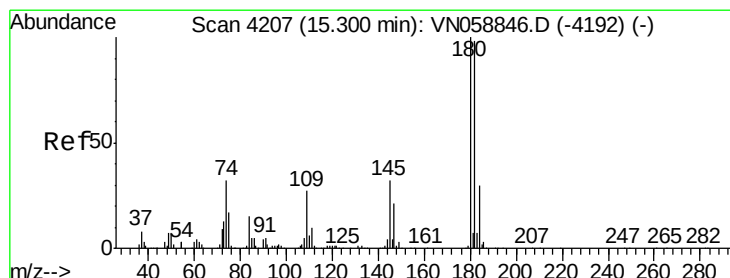
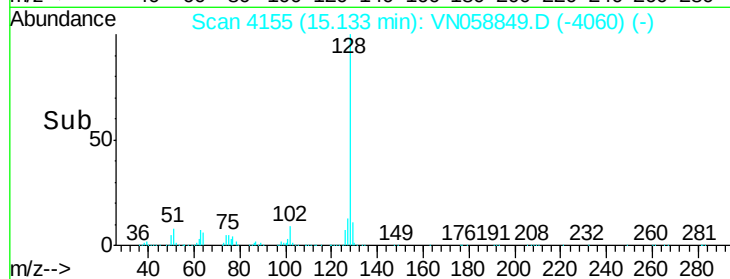
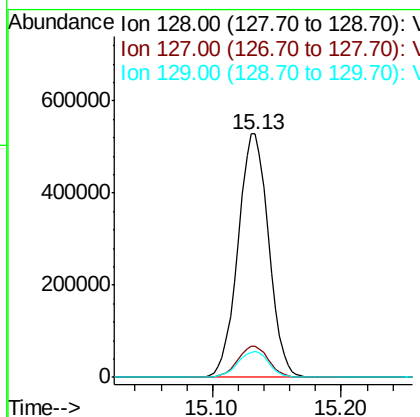
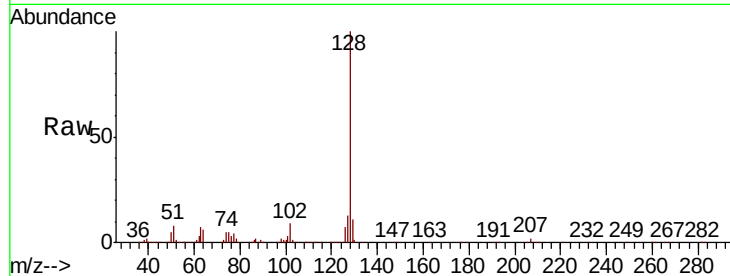
#95
Naphthalene
Concen: 47.056 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101819

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.7	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.735 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.7
145	32.3	15.9	47.7

