

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058287.D
 Acq On : 23 Sep 2019 13:18
 Operator : JC/SP
 Sample : VN0923MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:39 AM

Quant Time: Sep 24 03:25:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	447656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	766557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	685170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	321729	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	331920	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
35) Dibromofluoromethane	7.58	113	233101	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.09	98	908922	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.41	95	322287	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	66243	18.014	ug/l	98
3) Chloromethane	2.03	50	57833	19.778	ug/l	99
4) Vinyl Chloride	2.17	62	64456	20.255	ug/l	99
5) Bromomethane	2.55	94	33752	20.995	ug/l	90
6) Chloroethane	2.69	64	43134	20.698	ug/l	95
7) Trichlorofluoromethane	3.00	101	95850	19.096	ug/l	100
8) Diethyl Ether	3.39	74	43462	18.897	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.74	101	69392	19.174	ug/l	99
10) Methyl Iodide	3.93	142	56060	18.486	ug/l	98
11) Tert butyl alcohol	4.76	59	88645	119.522	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	54448	19.609	ug/l	96
13) Acrolein	3.59	56	15019	136.646	ug/l	97
14) Allyl chloride	4.30	41	114111	19.270	ug/l	100
15) Acrylonitrile	4.97	53	225753	114.247	ug/l	99
16) Acetone	3.80	43	203970	96.376	ug/l	98
17) Carbon Disulfide	4.03	76	69920	18.260	ug/l	100
18) Methyl Acetate	4.30	43	127013	22.807	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	283347	20.759	ug/l	98
20) Methylene Chloride	4.54	84	76902	20.624	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	59541	19.651	ug/l	96
22) Diisopropyl ether	5.93	45	305746	20.325	ug/l	92
23) Vinyl Acetate	5.88	43	1105720	107.424	ug/l	99
24) 1,1-Dichloroethane	5.83	63	161386	20.101	ug/l	99
25) 2-Butanone	6.82	43	317844	110.235	ug/l	99
26) 2,2-Dichloropropane	6.81	77	120078	17.630	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	89008	19.607	ug/l	99
28) Bromochloromethane	7.18	49	83845	22.076	ug/l #	98
29) Tetrahydrofuran	7.19	42	201760	113.600	ug/l	99
30) Chloroform	7.36	83	173346	20.058	ug/l	99
31) Cyclohexane	7.64	56	107360	19.200	ug/l	94
32) 1,1,1-Trichloroethane	7.56	97	133970	20.363	ug/l	99
36) 1,1-Dichloropropene	7.78	75	98506	17.819	ug/l	99
37) Ethyl Acetate	6.91	43	126838	22.109	ug/l	98
38) Carbon Tetrachloride	7.76	117	106261	19.122	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058287.D
 Acq On : 23 Sep 2019 13:18
 Operator : JC/SP
 Sample : VN0923MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0923MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:39 AM

Quant Time: Sep 24 03:25:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	98904	18.549	ug/l	98
40) Benzene	8.03	78	321444	19.038	ug/l	99
41) Methacrylonitrile	7.16	41	62652	22.194	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	139140	19.639	ug/l	100
43) Isopropyl Acetate	8.15	43	213682	19.944	ug/l #	91
44) Trichloroethene	8.83	130	77729	18.812	ug/l	95
45) 1,2-Dichloropropane	9.11	63	101761	20.181	ug/l	98
46) Dibromomethane	9.20	93	62950	20.534	ug/l	96
47) Bromodichloromethane	9.40	83	130277	20.285	ug/l	98
48) Methyl methacrylate	9.19	41	102012	20.970	ug/l	99
49) 1,4-Dioxane	9.19	88	38124	477.330	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	696510	122.390	ug/l	98
52) Toluene	10.15	92	201260	19.020	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	128382	19.514	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	139560	19.214	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	96785	20.611	ug/l	97
56) Ethyl methacrylate	10.43	69	138707	20.472	ug/l	99
57) 1,3-Dichloropropane	10.71	76	162309	20.106	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	348968	108.131	ug/l	99
59) 2-Hexanone	10.75	43	494563	117.012	ug/l	99
60) Dibromochloromethane	10.90	129	90032	19.929	ug/l	98
61) 1,2-Dibromoethane	11.00	107	88240	20.276	ug/l	99
64) Tetrachloroethene	10.63	164	61554	18.429	ug/l	98
65) Chlorobenzene	11.44	112	232623	19.302	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	90046	20.606	ug/l	100
67) Ethyl Benzene	11.51	91	414131	20.055	ug/l	99
68) m/p-Xylenes	11.63	106	298601	38.393	ug/l	97
69) o-Xylene	11.95	106	149299	19.522	ug/l	99
70) Styrene	11.97	104	266364	20.215	ug/l	99
71) Bromoform	12.13	173	57299	20.009	ug/l #	99
73) Isopropylbenzene	12.26	105	426407	21.174	ug/l	100
74) N-amyl acetate	12.08	43	188465	22.371	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	152218	22.572	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	126598m	21.987	ug/l	
77) Bromobenzene	12.53	156	99426	19.628	ug/l	95
78) n-propylbenzene	12.60	91	497297	21.731	ug/l	98
79) 2-Chlorotoluene	12.68	91	297191	20.780	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	360911	21.194	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	34576	21.586	ug/l	94
82) 4-Chlorotoluene	12.78	91	310132	20.629	ug/l	99
83) tert-Butylbenzene	13.00	119	322766	21.254	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	366472	21.625	ug/l	100
85) sec-Butylbenzene	13.18	105	425664	21.435	ug/l	99
86) p-Isopropyltoluene	13.30	119	380301	21.541	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	186454	20.152	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	188489	19.955	ug/l	99
89) n-Butylbenzene	13.62	91	334616	19.991	ug/l	99
90) Hexachloroethane	13.88	117	59806	21.050	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	192211	20.710	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	27619	22.749	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092319\
Data File : VN058287.D
Acq On : 23 Sep 2019 13:18
Operator : JC/SP
Sample : VN0923MBS01
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

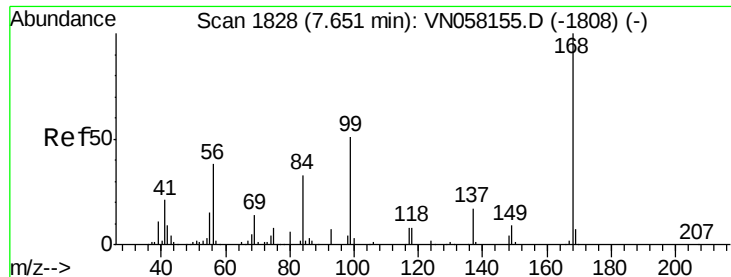
Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:47:39 AM

Quant Time: Sep 24 03:25:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	114086	19.239	ug/l	99
94) Hexachlorobutadiene	15.02	225	52795	18.420	ug/l	99
95) Naphthalene	15.14	128	326186	21.225	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	109319	19.505	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

Tot Ion:168 Resp: 447656

Ion Ratio Lower Upper

168 100

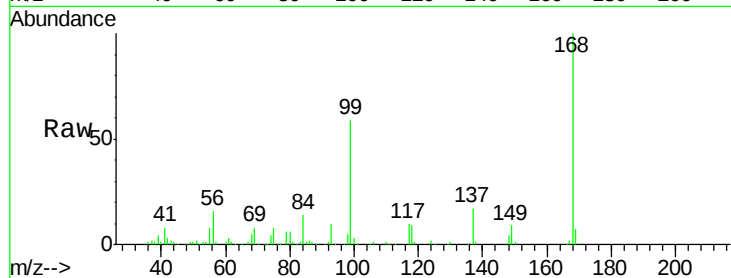
99 58.9 47.4 71.2

Manual Integrations

APPROVED

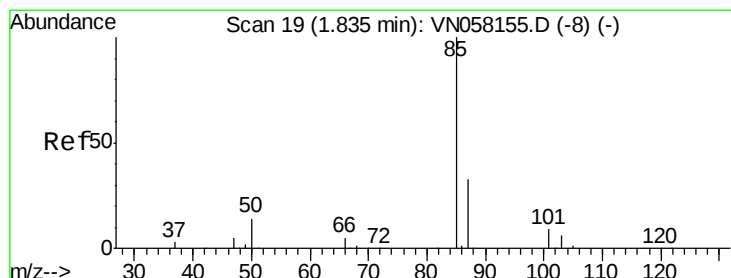
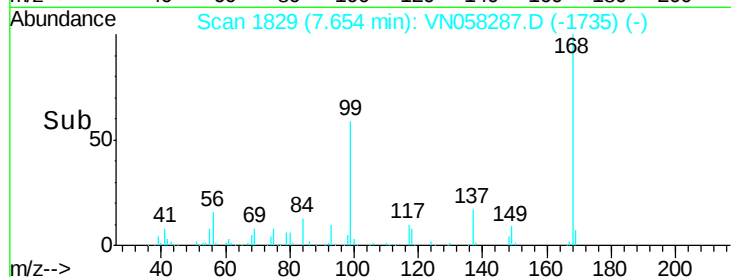
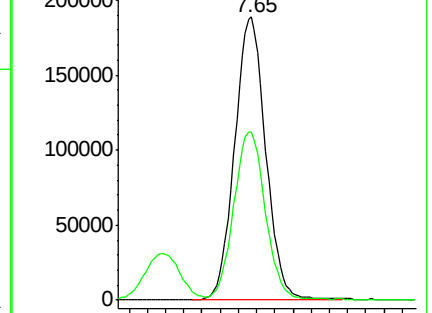
MMDadoda

9/25/2019 12:47:39 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.014 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058287.D

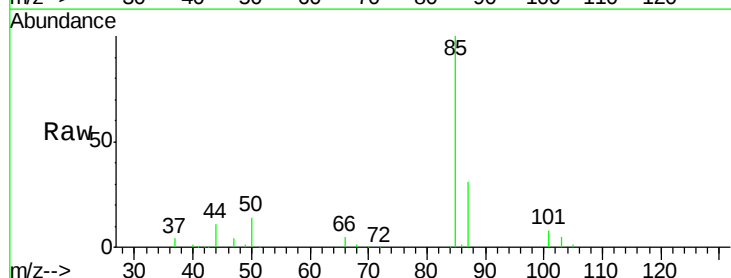
Acq: 23 Sep 2019 13:18

Tgt Ion: 85 Resp: 66243

Ion Ratio Lower Upper

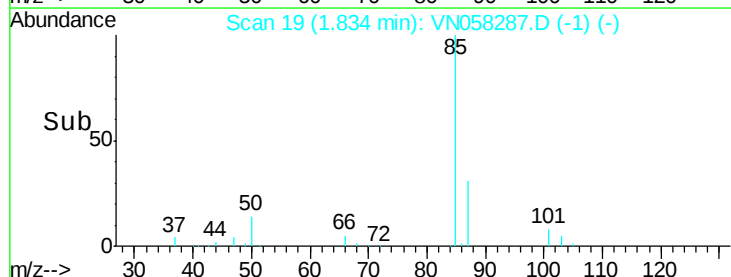
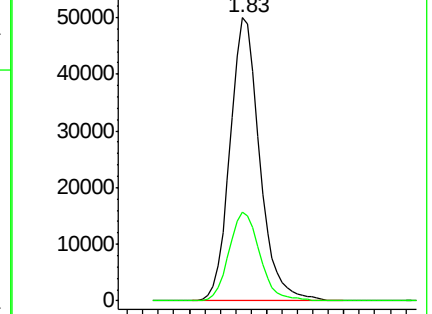
85 100

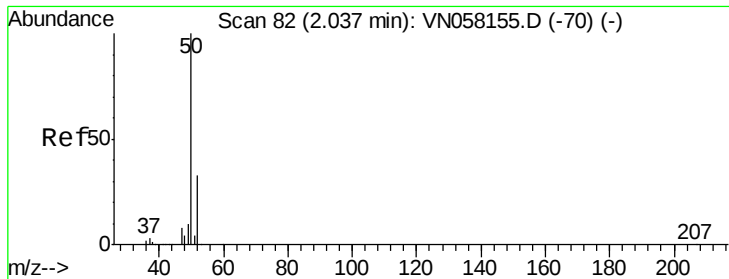
87 31.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.778 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

Tot Ion: 50 Resp: 57833

Ion Ratio Lower Upper

50 100

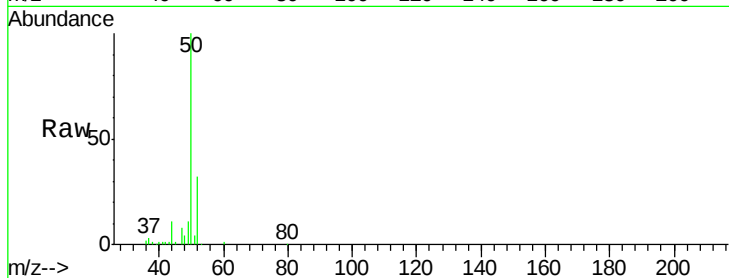
52 32.4 26.3 39.5

Manual Integrations

APPROVED

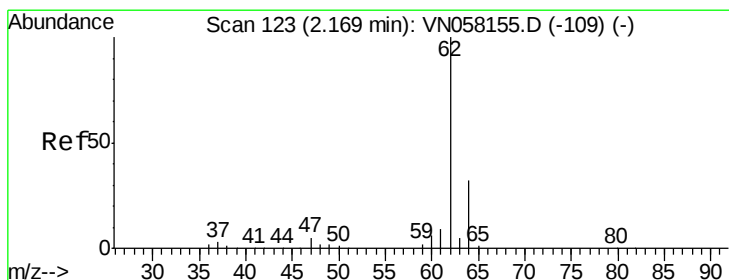
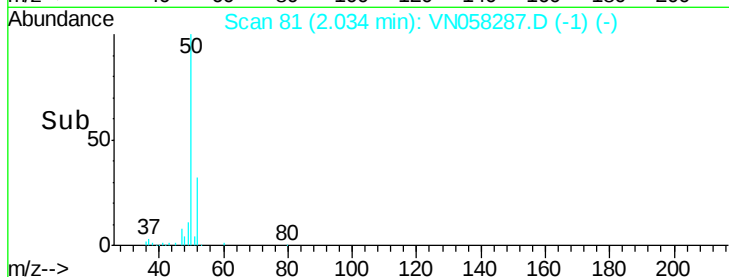
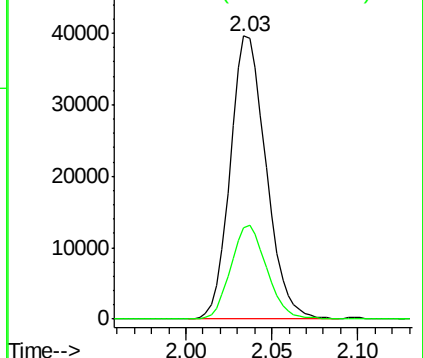
MMDadoda

9/25/2019 12:47:39 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.255 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058287.D

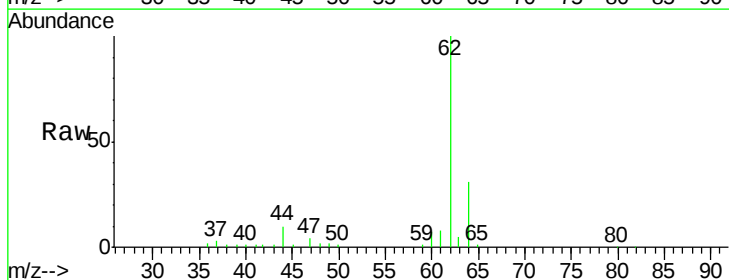
Acq: 23 Sep 2019 13:18

Tgt Ion: 62 Resp: 64456

Ion Ratio Lower Upper

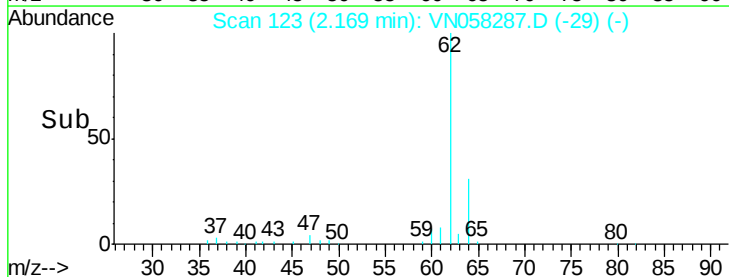
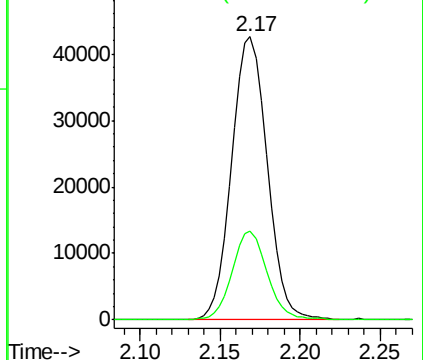
62 100

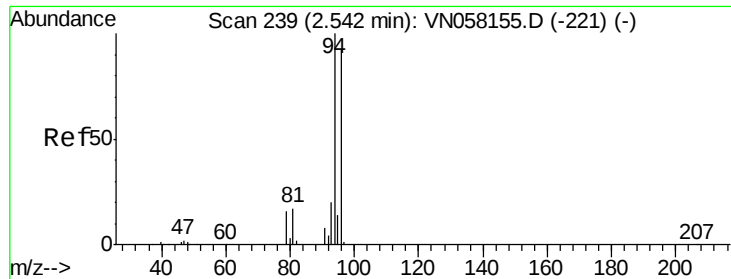
64 31.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.995 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

Tot Ion: 94 Resp: 33752

Ion Ratio Lower Upper

94 100

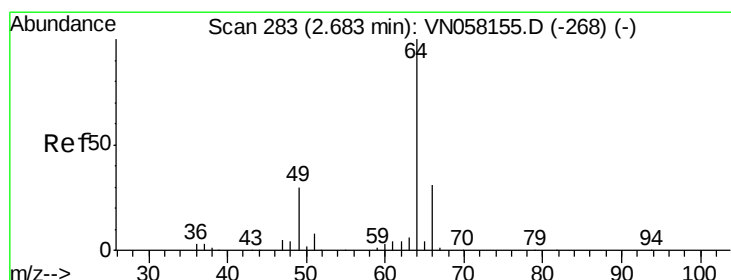
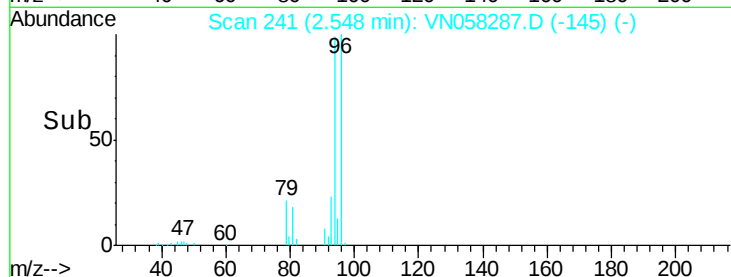
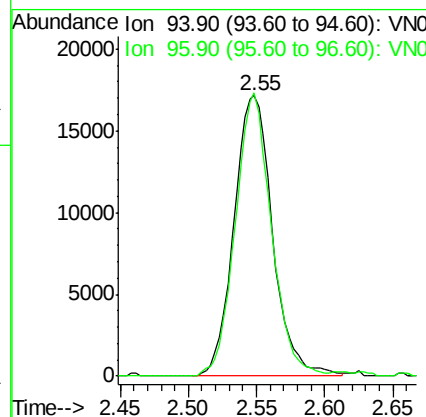
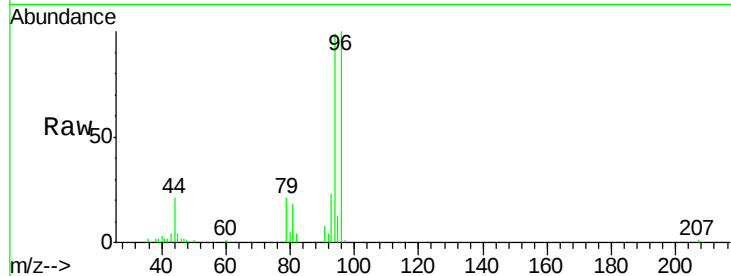
96 100.9 73.3 109.9

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:47:39 AM



#6

Chloroethane

Concen: 20.698 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058287.D

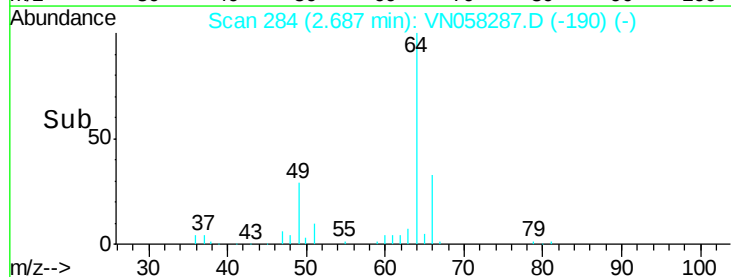
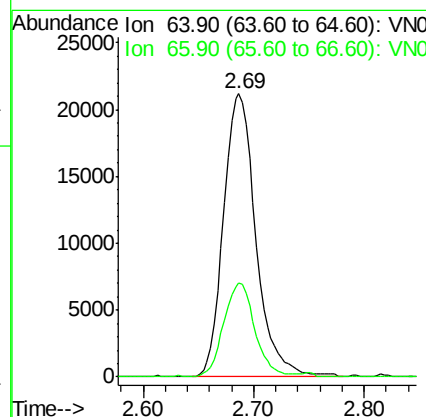
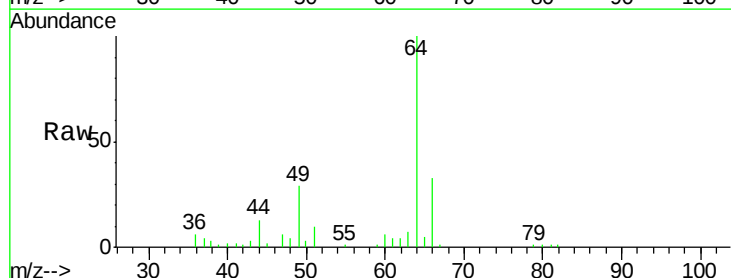
Acq: 23 Sep 2019 13:18

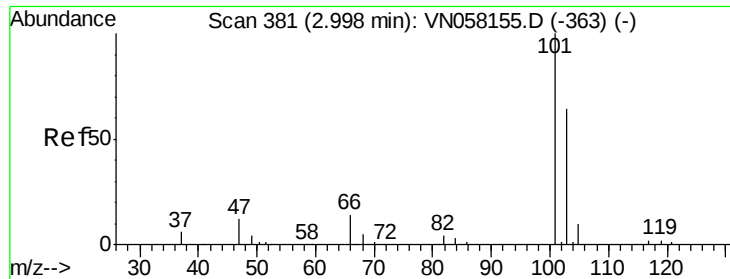
Tgt Ion: 64 Resp: 43134

Ion Ratio Lower Upper

64 100

66 33.3 24.6 37.0





#7

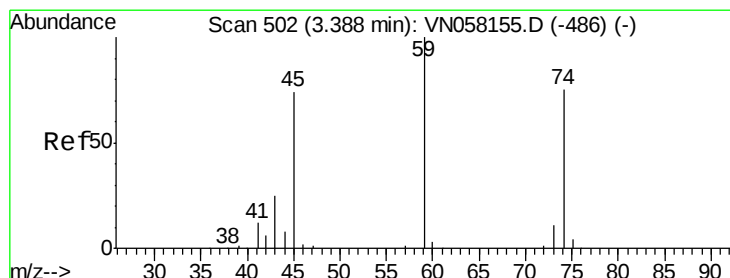
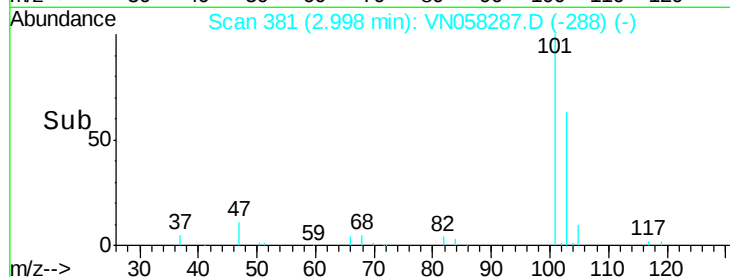
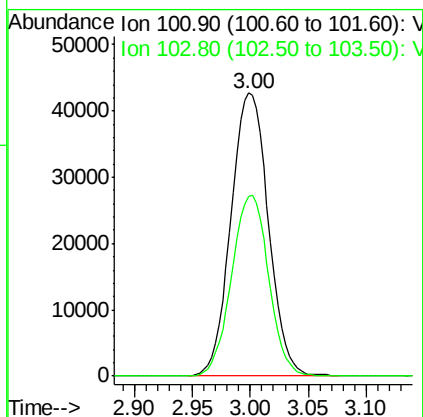
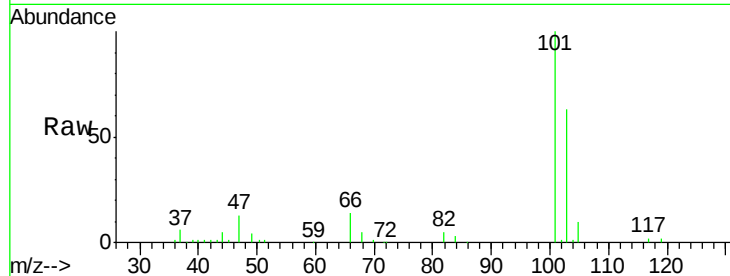
Trichlorofluoromethane
Concen: 19.096 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.0	76.6

Manual Integrations
APPROVED

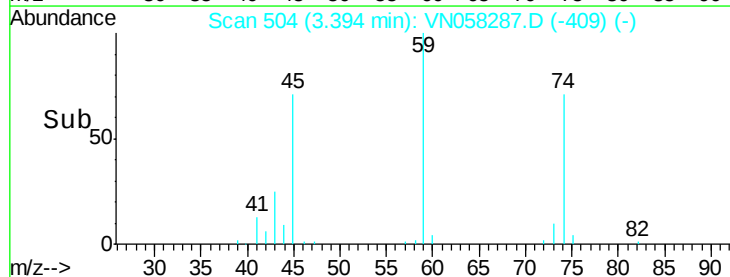
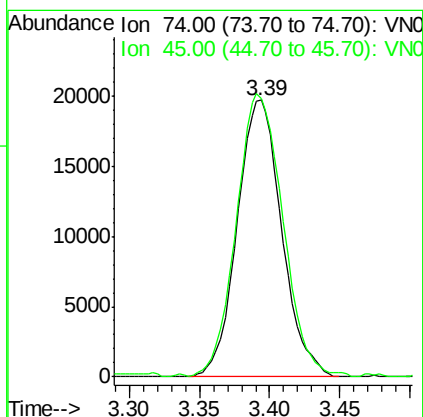
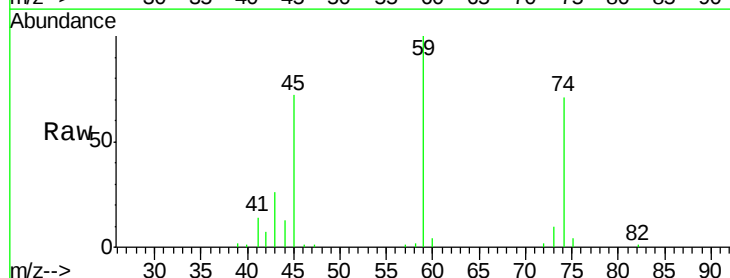
MMDadoda
9/25/2019 12:47:39 AM

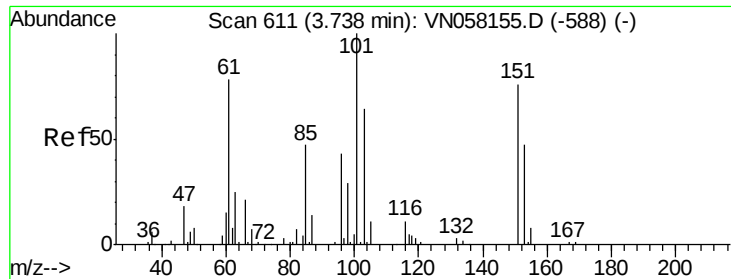


#8

Diethyl Ether
Concen: 18.897 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.01 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.4	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.174 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

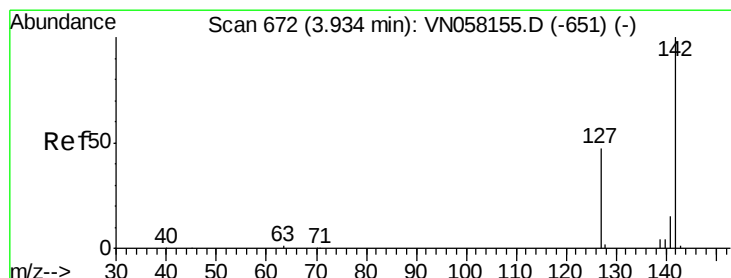
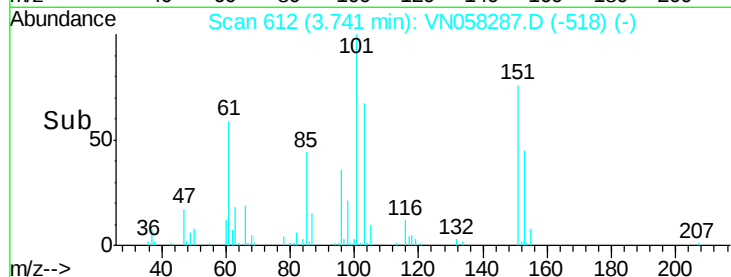
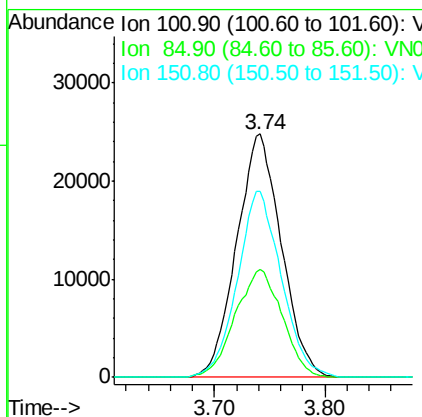
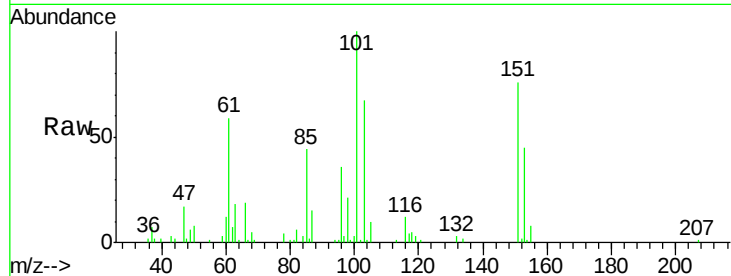
ClientSampleId :

VN0923MBS01

Tot Ion:	101	Resp:	69392
Ion Ratio	Lower	Upper	
101	100		
85	46.6	37.3	55.9
151	75.4	59.6	89.4

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:47:39 AM



#10

Methyl Iodide

Concen: 18.486 ug/l

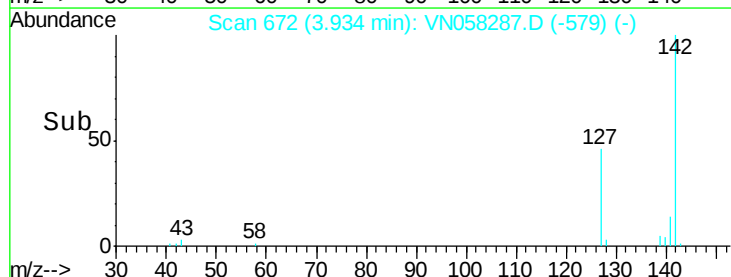
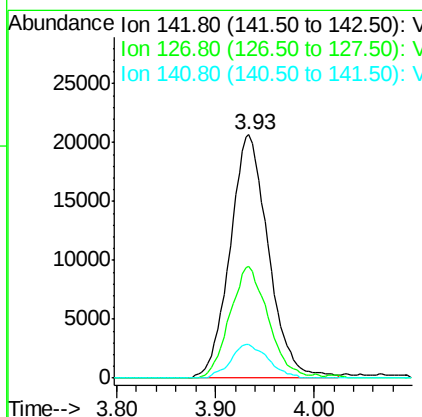
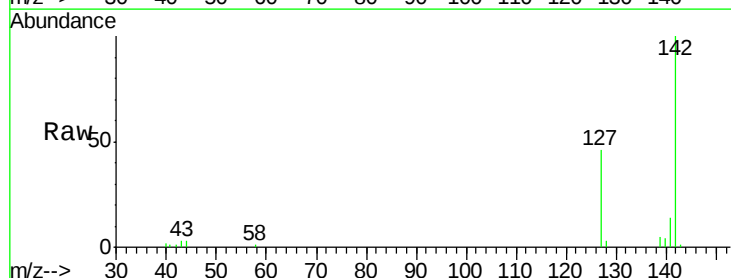
RT: 3.93 min Scan# 672

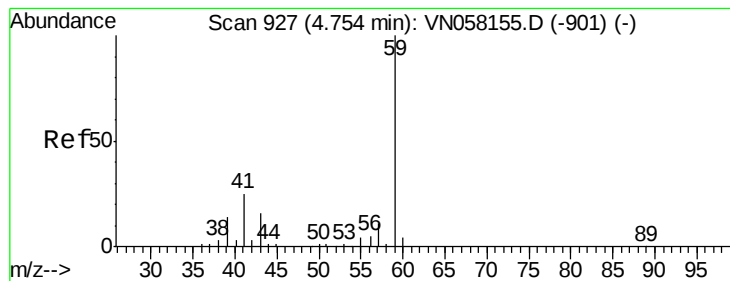
Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Tgt Ion:	142	Resp:	56060
Ion Ratio	Lower	Upper	
142	100		
127	45.4	37.5	56.3
141	13.5	11.4	17.2





#11

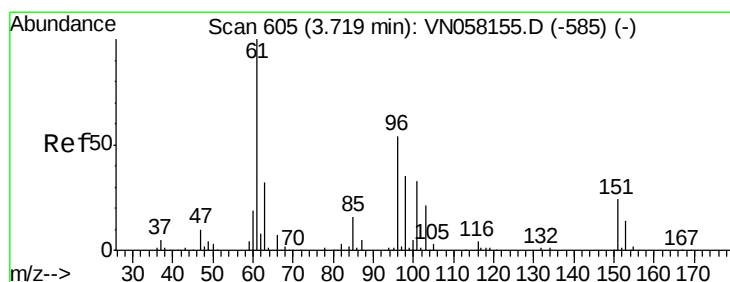
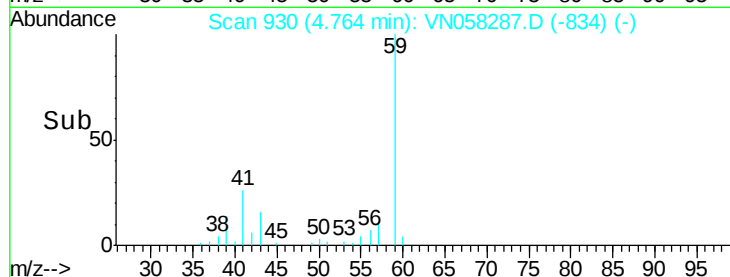
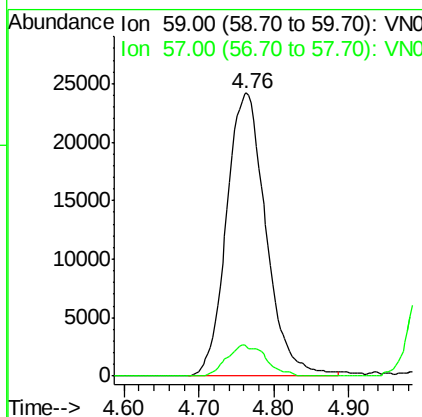
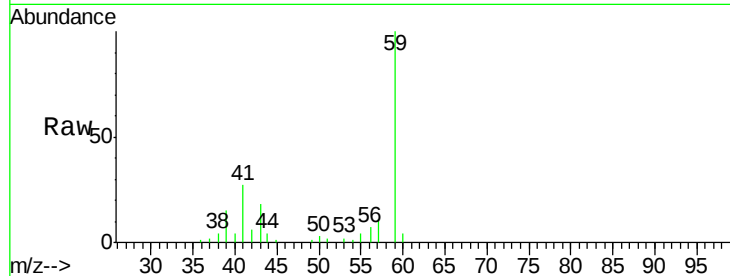
Tert butyl alcohol
Concen: 119.522 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.01 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	88645		
57	6.7	8.6	13.0#	

Manual Integrations
APPROVED

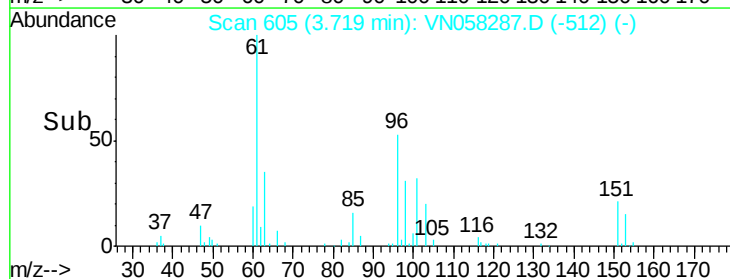
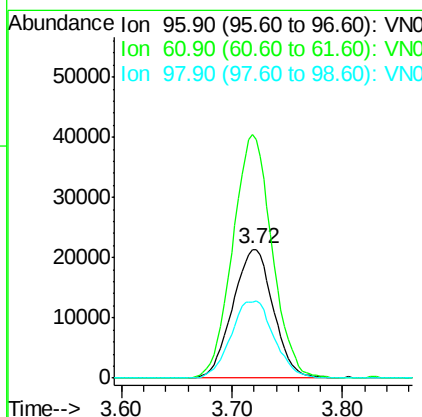
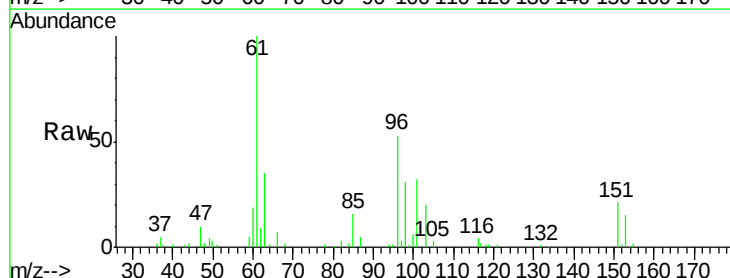
MMDadoda
9/25/2019 12:47:39 AM

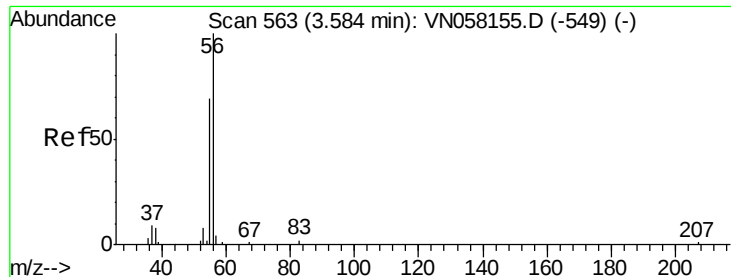


#12

1,1-Dichloroethene
Concen: 19.609 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	54448		
61	189.6	149.5	224.3	
98	58.8	52.4	78.6	





#13

Acrolein

Concen: 136.646 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

Tot Ion: 56 Resp: 15019

Ion Ratio Lower Upper

56 100

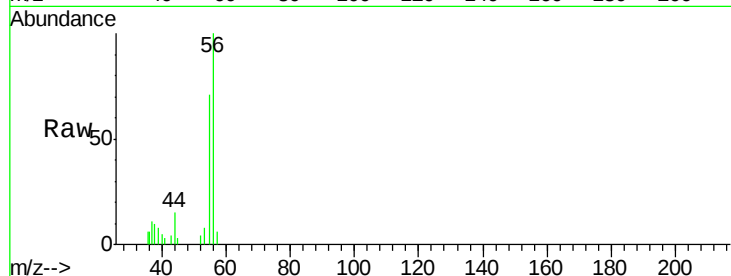
55 68.0 56.1 84.1

Manual Integrations

APPROVED

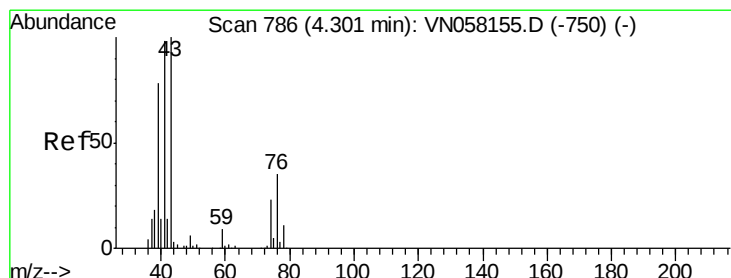
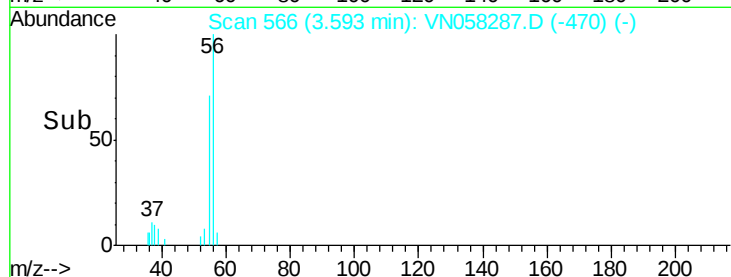
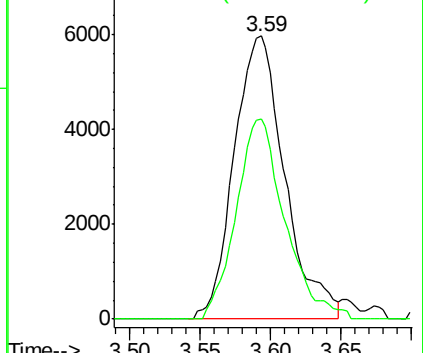
MMDadoda

9/25/2019 12:47:39 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.270 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

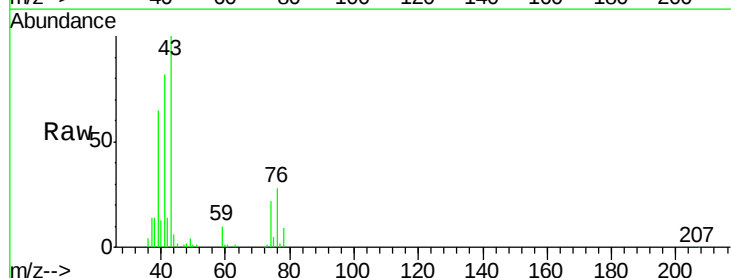
Tgt Ion: 41 Resp: 114111

Ion Ratio Lower Upper

41 100

39 73.7 59.1 88.7

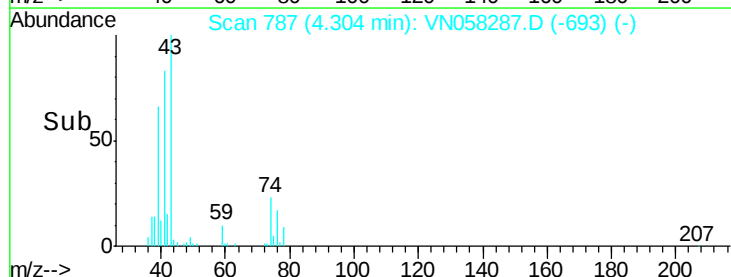
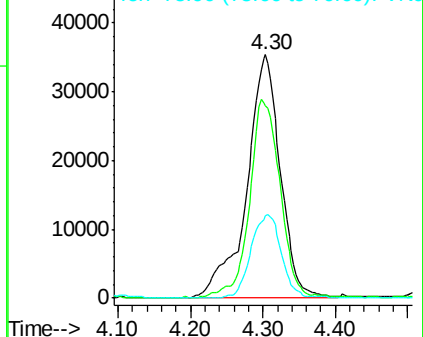
76 30.9 25.1 37.7

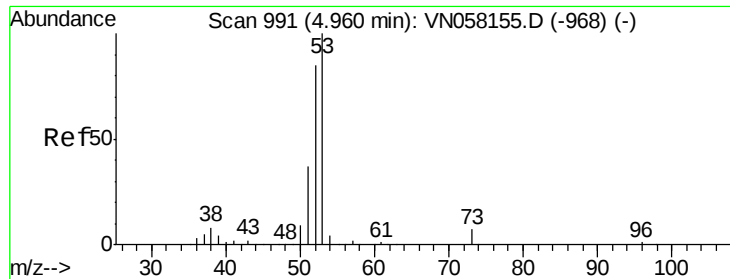


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 114.247 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

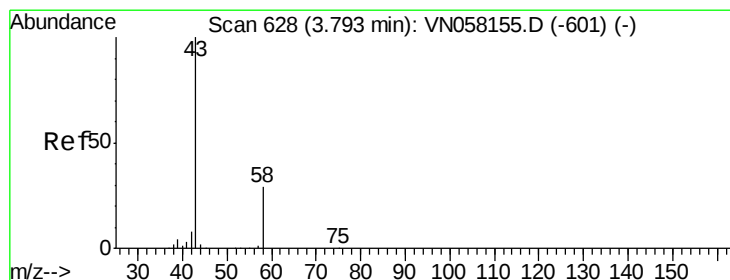
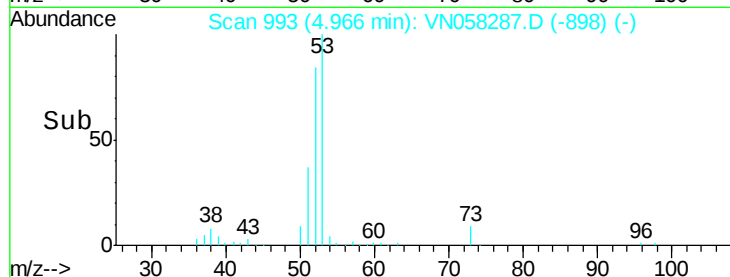
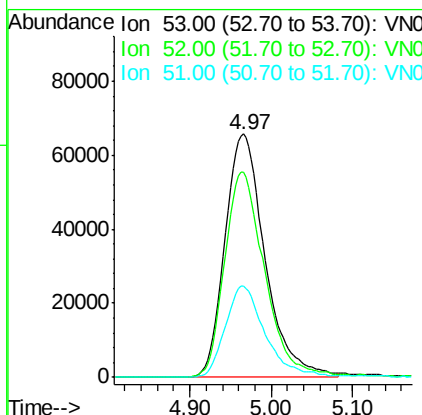
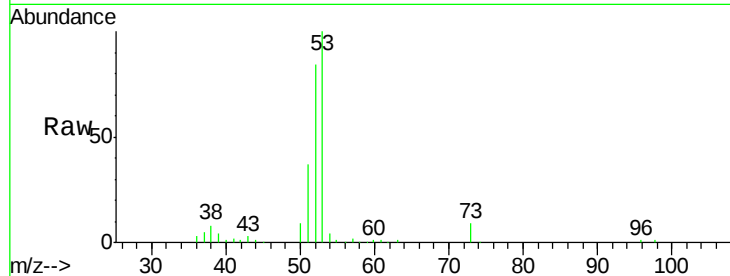
ClientSampleId :

VN0923MBS01

Tot Ion:	53	Resp:	225753
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.6	100.0
51	37.3	29.7	44.5

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:47:39 AM



#16

Acetone

Concen: 96.376 ug/l

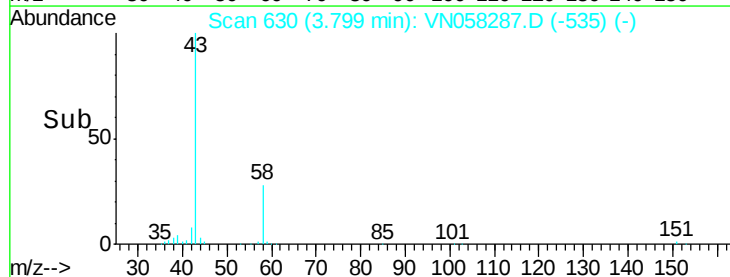
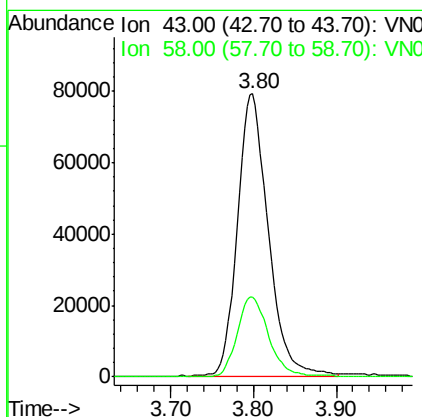
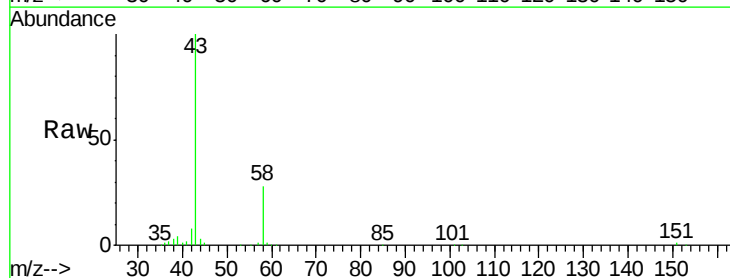
RT: 3.80 min Scan# 630

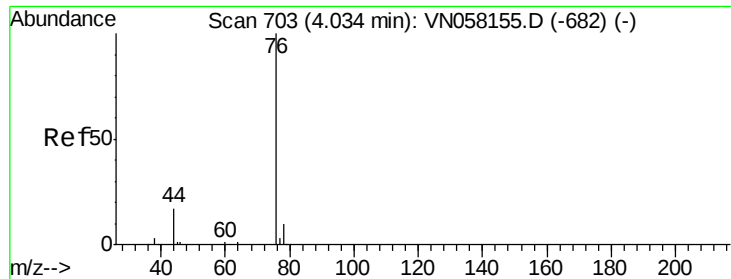
Delta R.T. 0.01 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Tgt Ion:	43	Resp:	203970
Ion	Ratio	Lower	Upper
43	100		
58	28.3	23.4	35.2





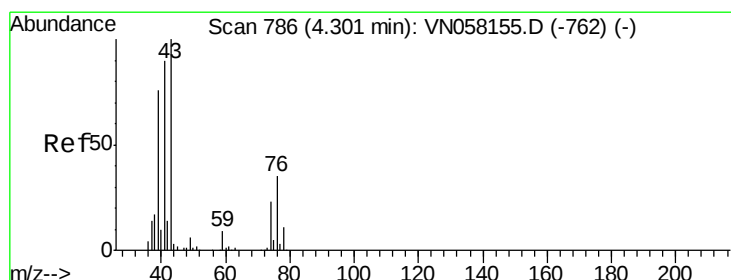
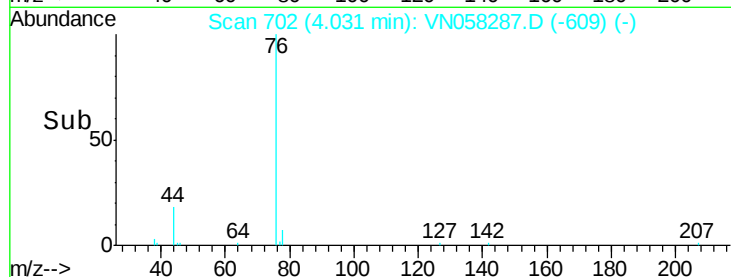
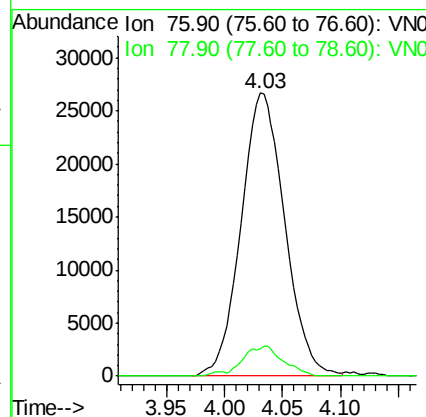
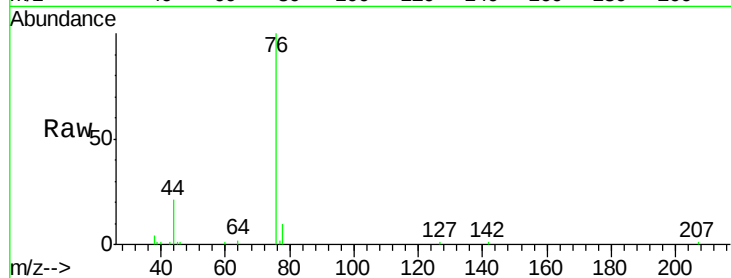
#17
Carbon Disulfide
Concen: 18.260 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.7	11.5

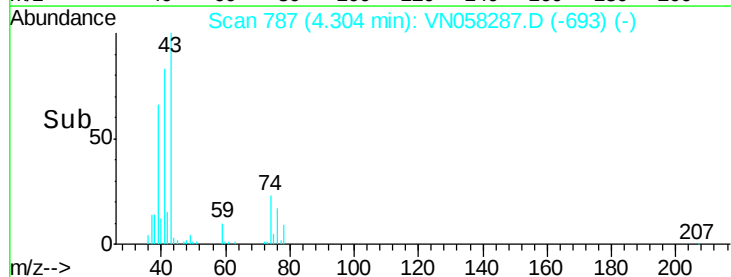
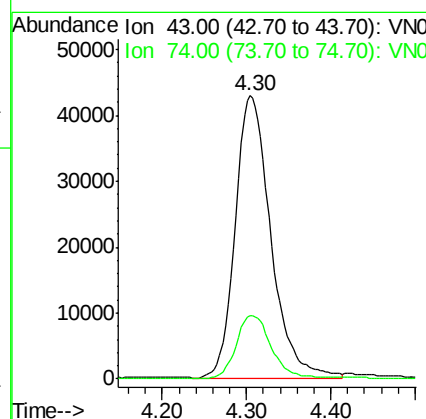
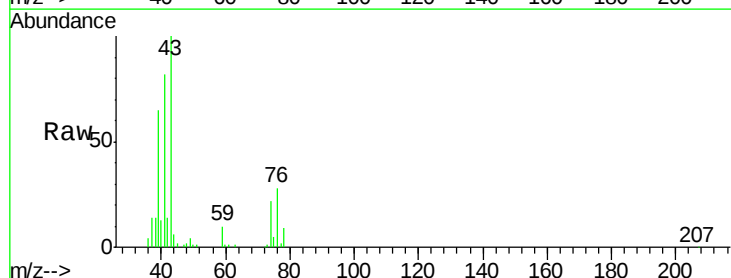
Manual Integrations
APPROVED

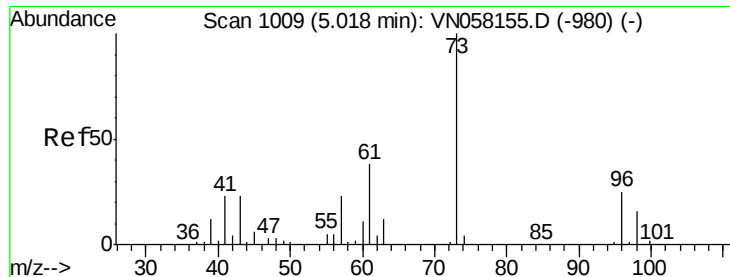
MMDadoda
9/25/2019 12:47:39 AM



#18
Methyl Acetate
Concen: 22.807 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.0	27.0





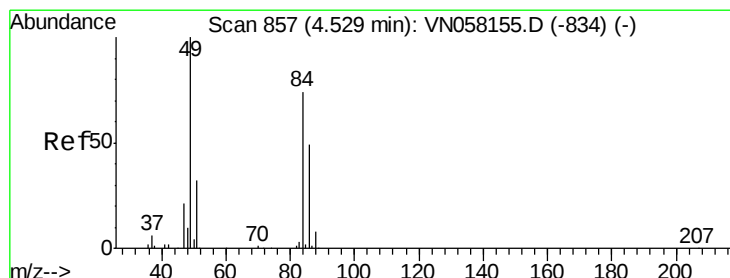
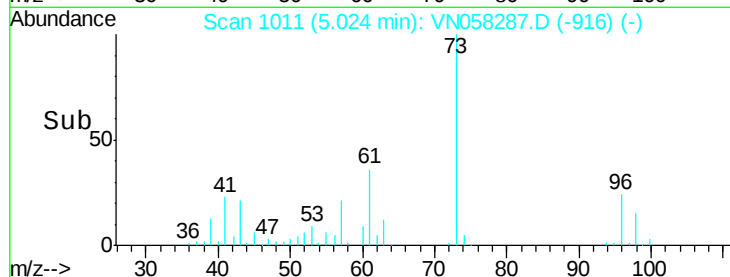
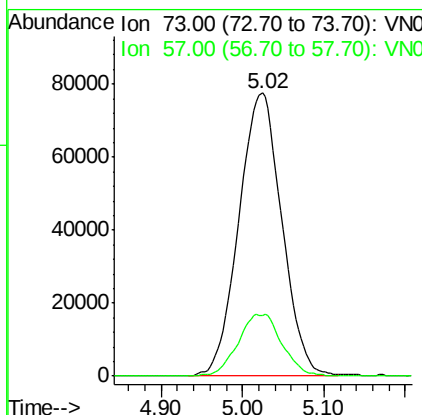
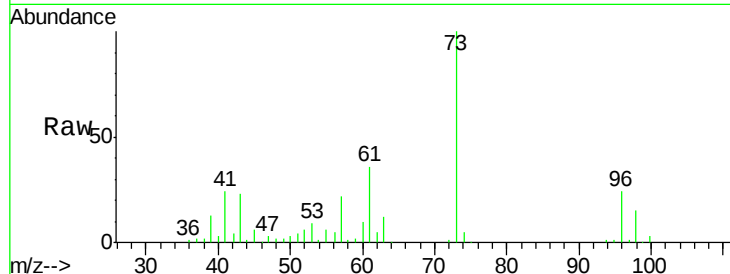
#19
Methvl tert-butvl Ether
Concen: 20.759 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion: 73 Resp: 283347
Ion Ratio Lower Upper
73 100
57 21.6 18.1 27.1

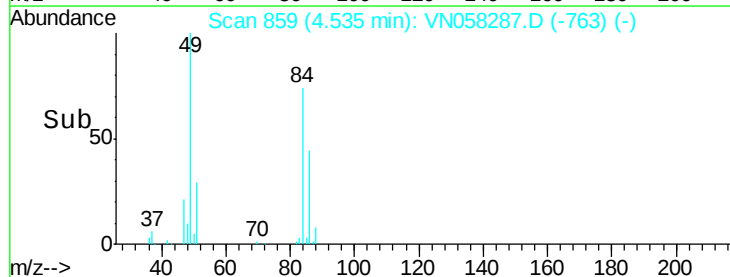
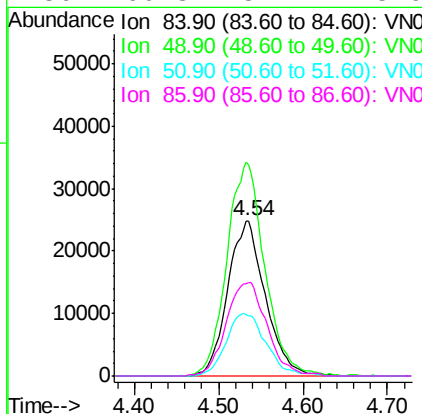
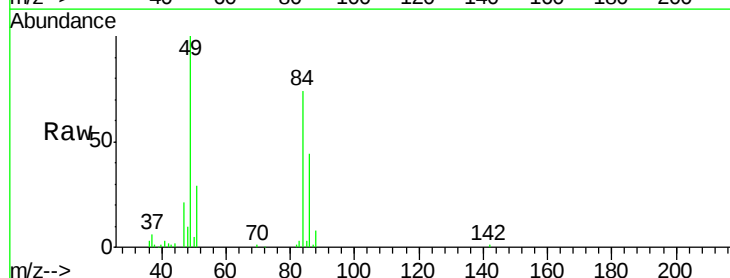
Manual Integrations
APPROVED

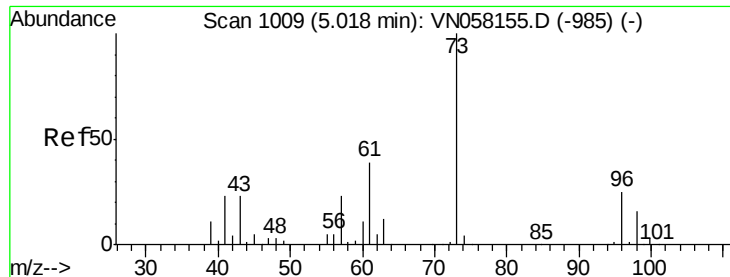
MMDadoda
9/25/2019 12:47:39 AM



#20
Methylene Chloride
Concen: 20.624 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.01 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion: 84 Resp: 76902
Ion Ratio Lower Upper
84 100
49 136.0 107.5 161.3
51 39.1 33.9 50.9
86 60.3 52.4 78.6





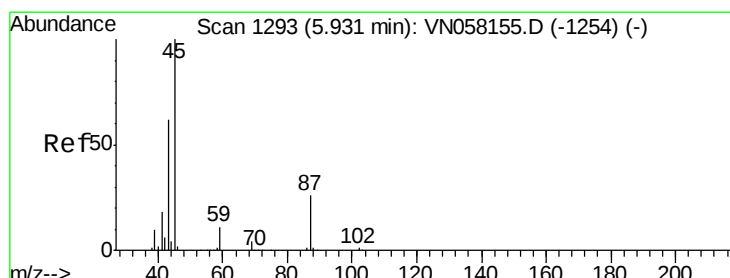
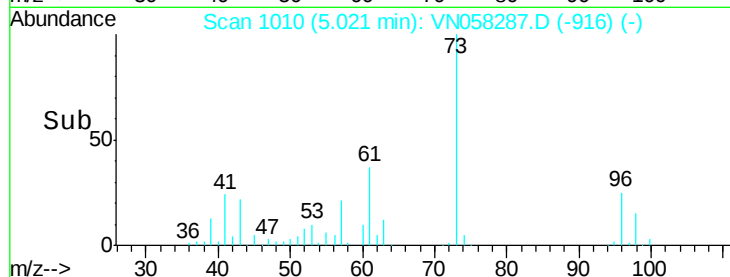
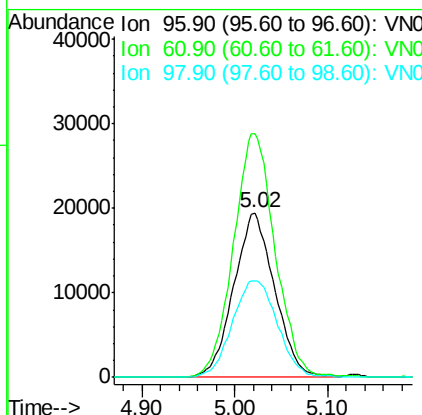
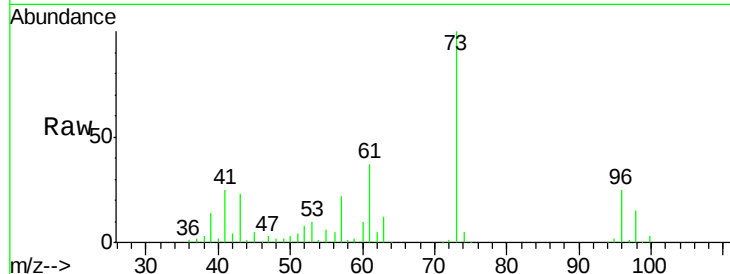
#21
trans-1,2-Dichloroethene
Concen: 19.651 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.1	122.2	183.4
98	58.5	49.9	74.9

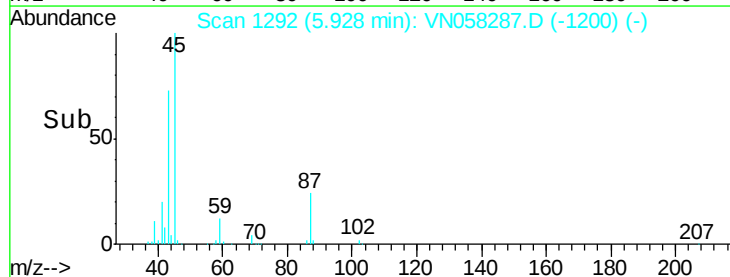
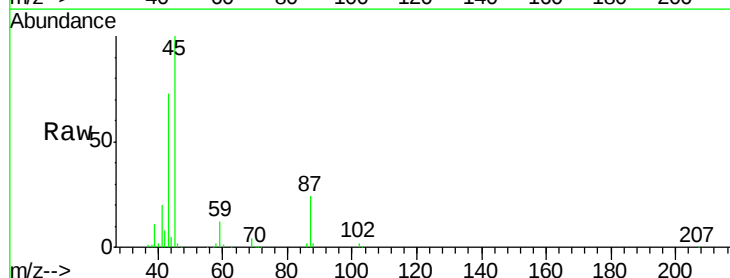
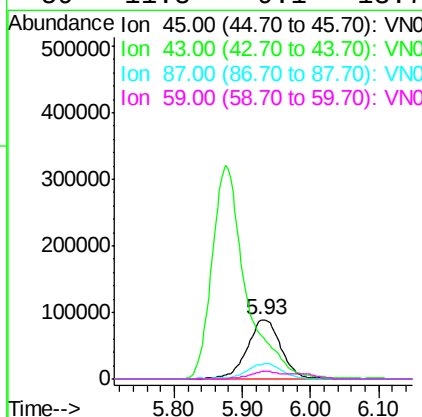
Manual Integrations
APPROVED

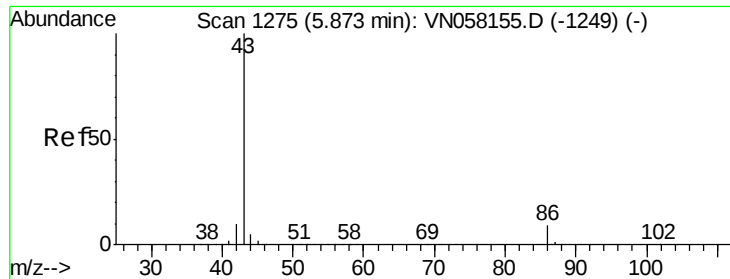
MMDadoda
9/25/2019 12:47:39 AM



#22
Diisopropyl ether
Concen: 20.325 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.1	49.7	74.5
87	24.1	20.7	31.1
59	11.8	9.1	13.7





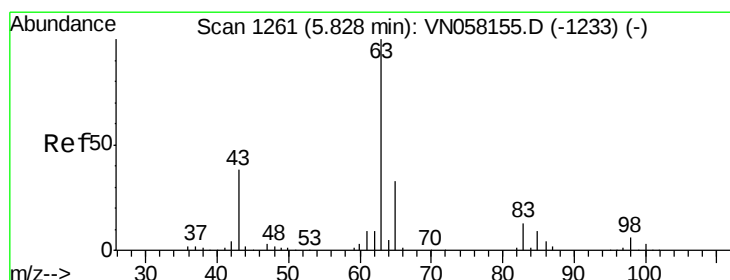
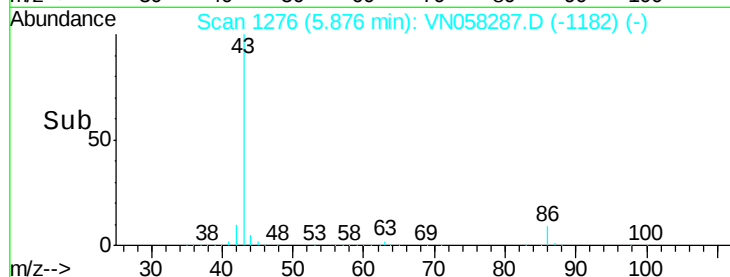
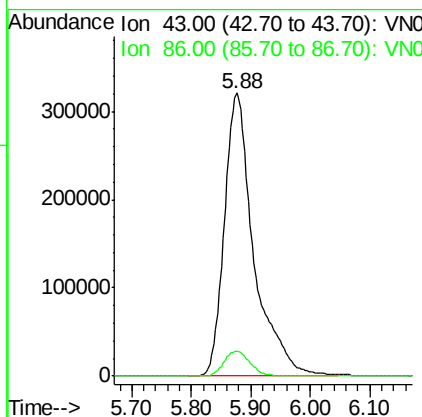
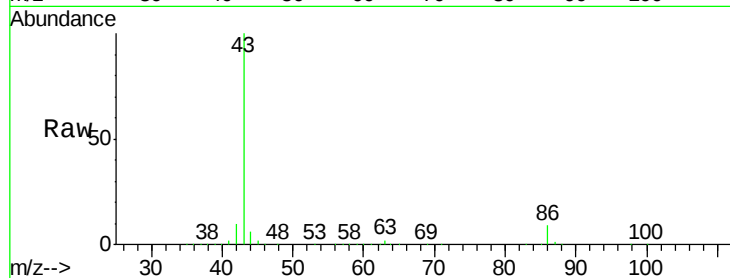
#23
 Vinyl Acetate
 Concen: 107.424 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

Tot Ion: 43 Resp: 1105720
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.4 11.2

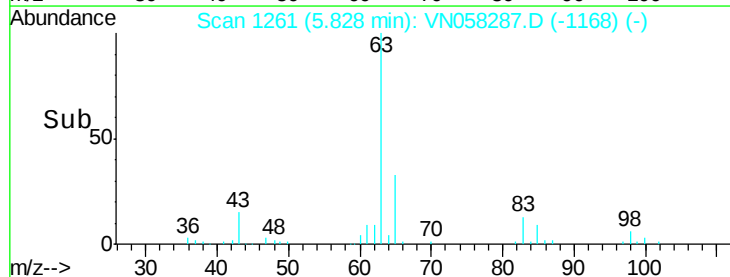
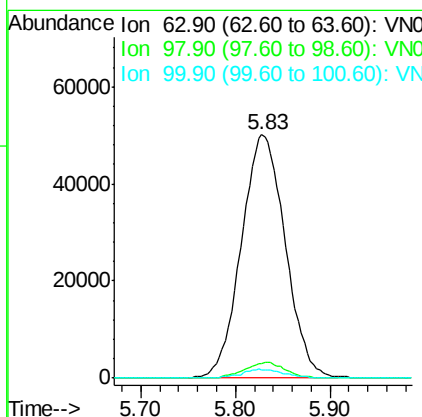
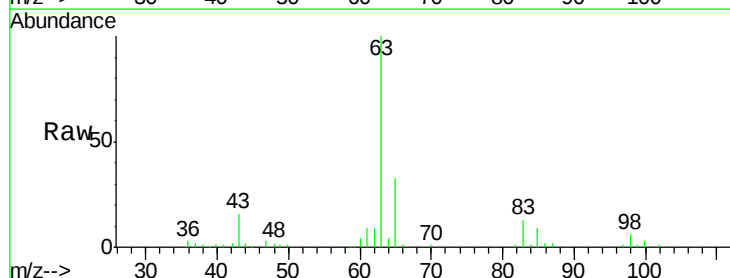
Manual Integrations
 APPROVED

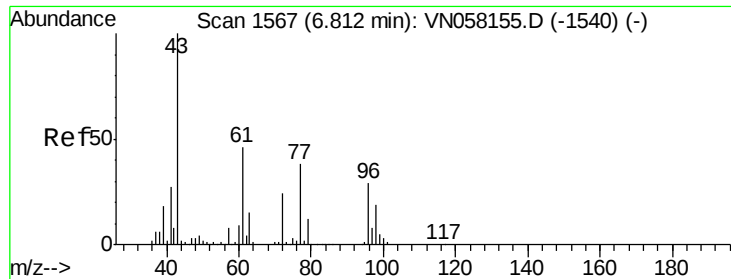
MMDadoda
 9/25/2019 12:47:39 AM



#24
 1,1-Dichloroethane
 Concen: 20.101 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion: 63 Resp: 161386
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.6
 100 3.5 1.8 5.3





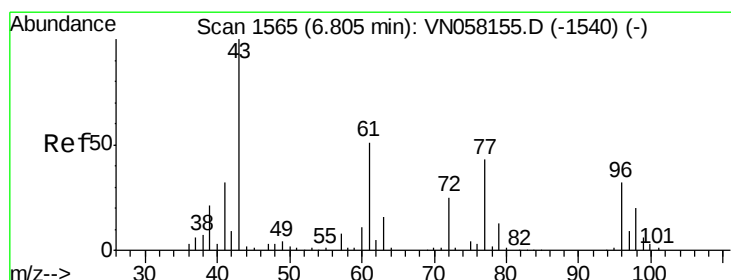
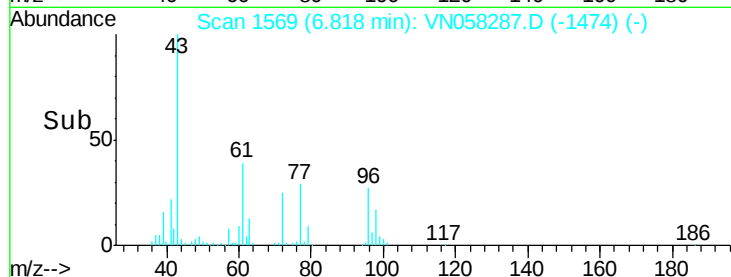
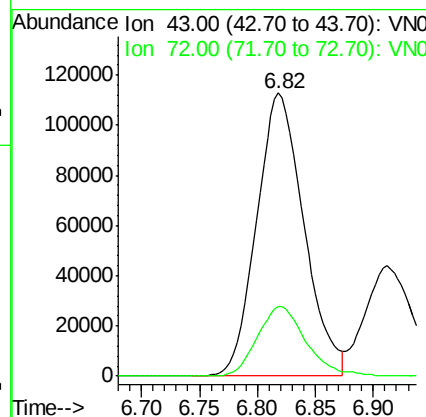
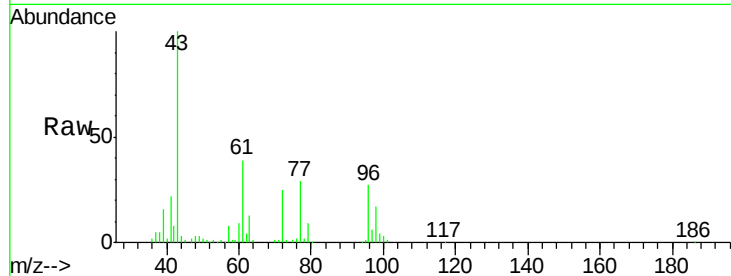
#25
2-Butanone
Concen: 110.235 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion: 43 Resp: 317844
Ion Ratio Lower Upper
43 100
72 24.8 19.5 29.3

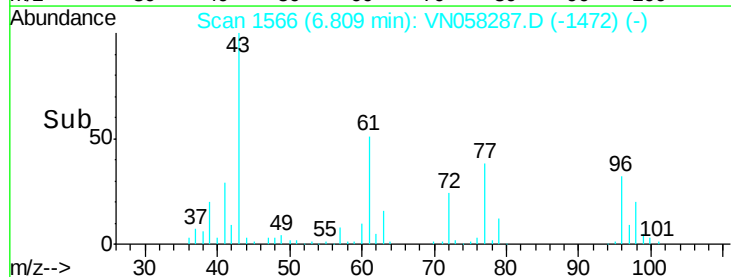
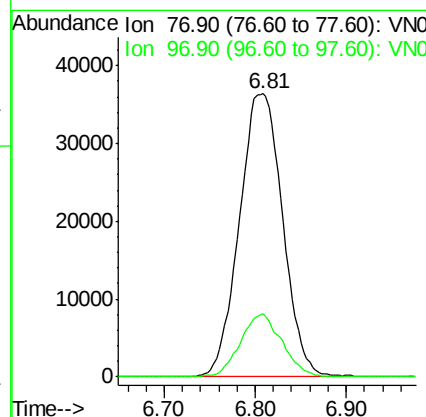
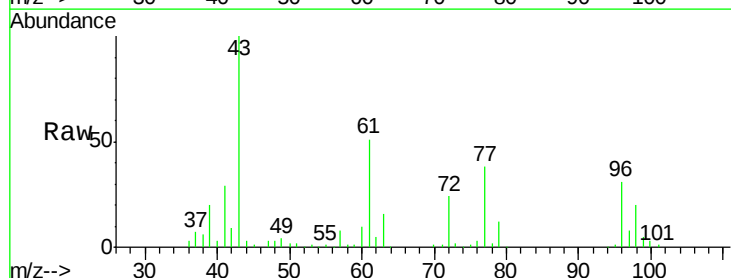
Manual Integrations
APPROVED

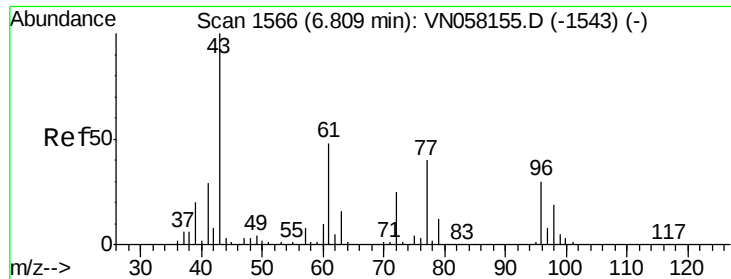
MMDadoda
9/25/2019 12:47:39 AM



#26
2,2-Dichloropropane
Concen: 17.630 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion: 77 Resp: 120078
Ion Ratio Lower Upper
77 100
97 21.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.607 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

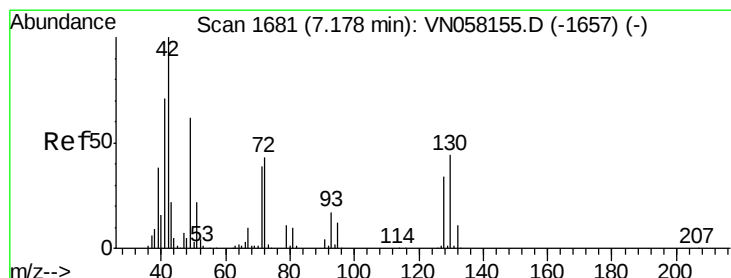
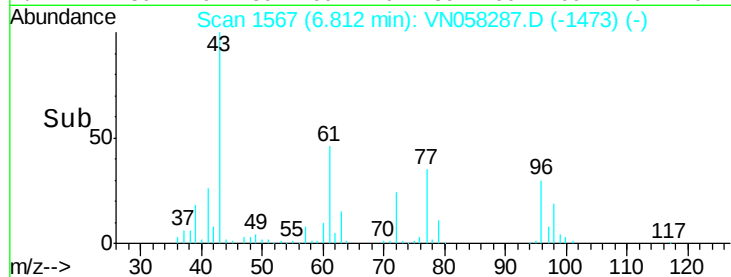
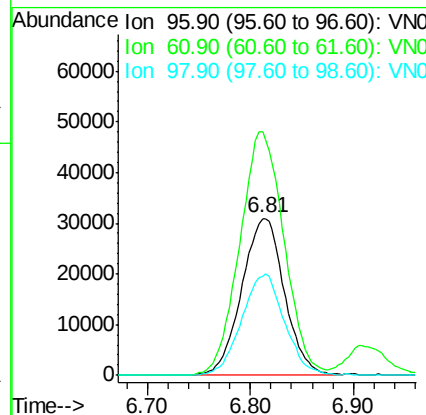
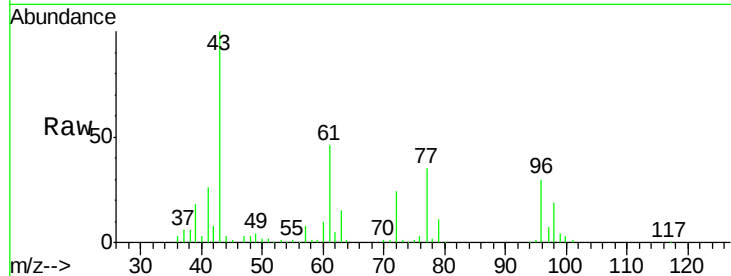
ClientSampleId :

VN0923MBS01

Tot Ion:	96	Resp:	89008
Ion Ratio	Lower	Upper	
96	100		
61	161.2	0.0	319.0
98	64.7	0.0	126.6

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:47:39 AM



#28

Bromochloromethane

Concen: 22.076 ug/l

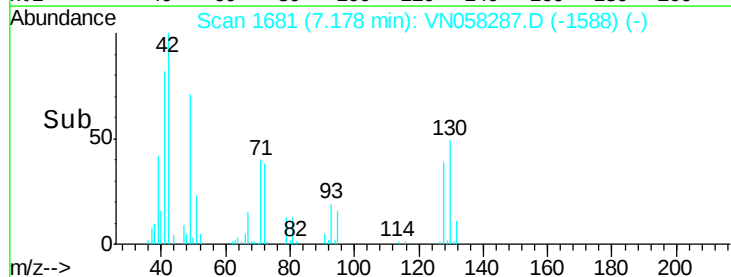
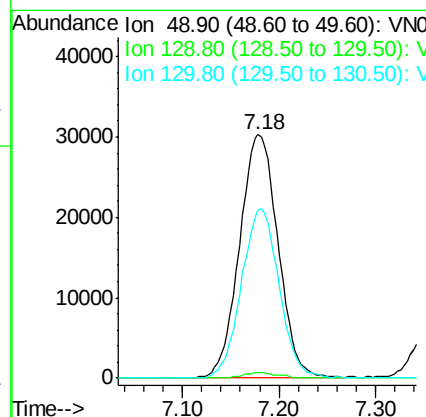
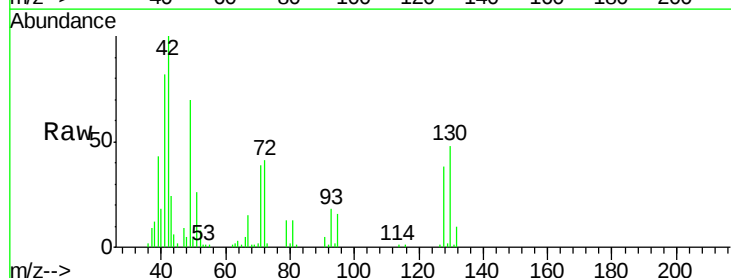
RT: 7.18 min Scan# 1681

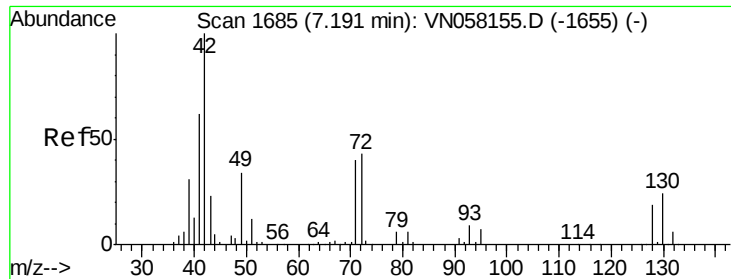
Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Tgt Ion:	49	Resp:	83845
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	1.8#
130	68.0	55.4	83.2





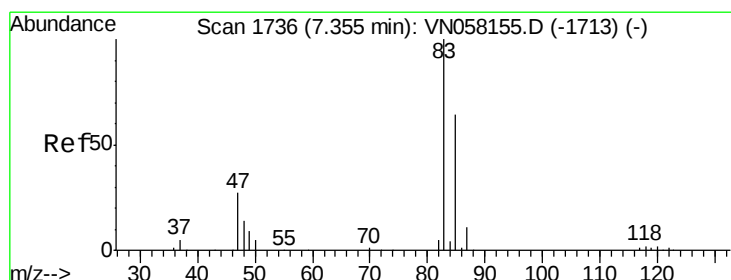
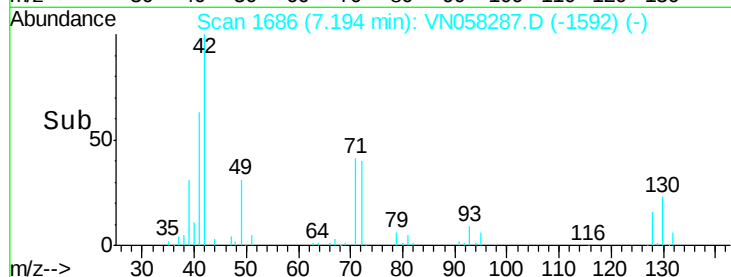
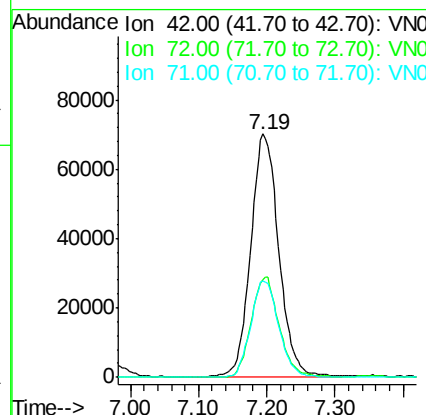
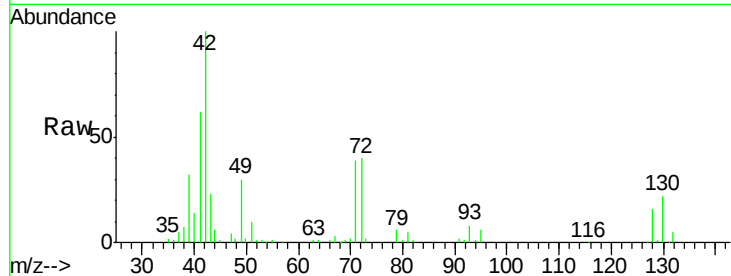
#29
Tetrahydrofuran
Concen: 113.600 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	33.8	50.6
71	39.4	31.4	47.0

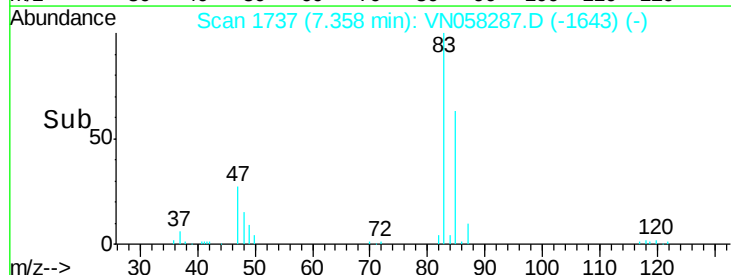
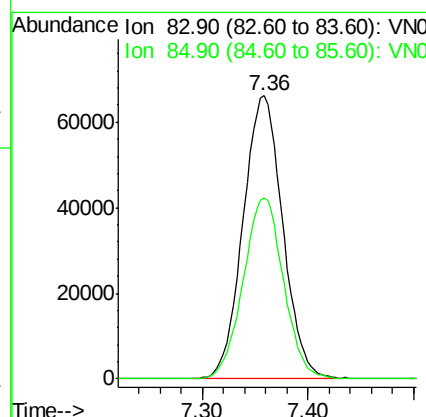
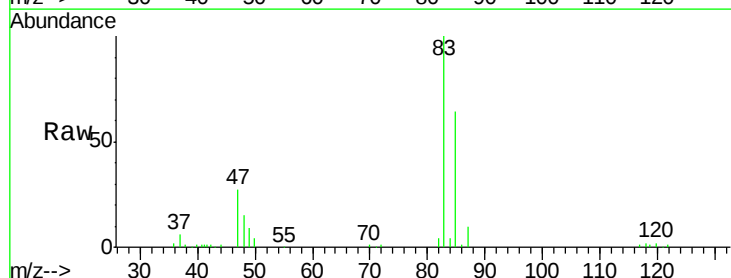
Manual Integrations
APPROVED

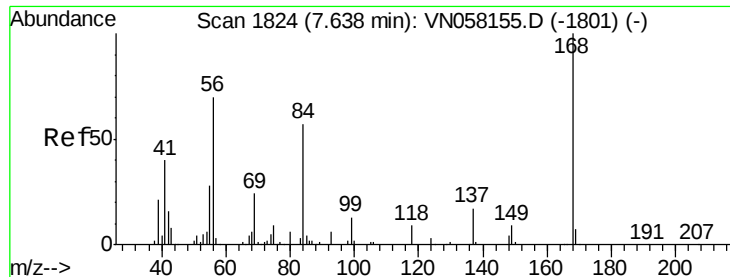
MMDadoda
9/25/2019 12:47:39 AM



#30
Chloroform
Concen: 20.058 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.4	77.2





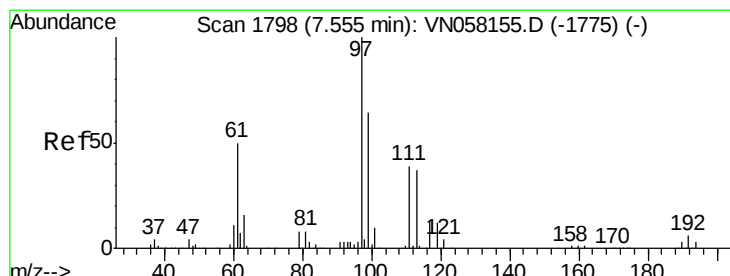
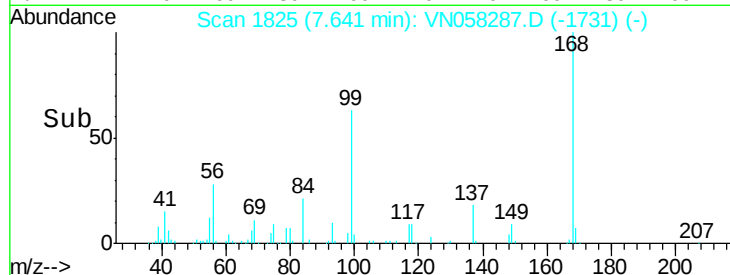
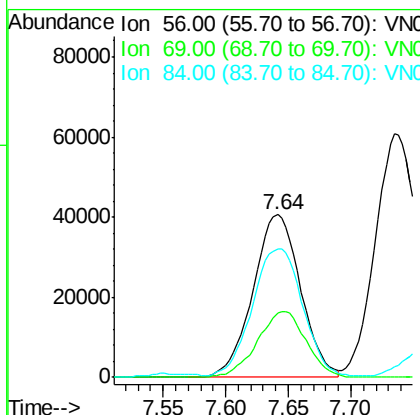
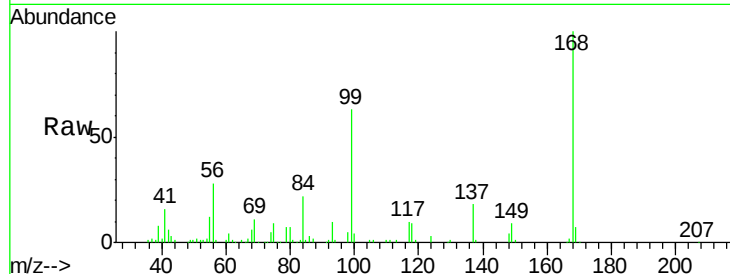
#31
Cyclohexane
Concen: 19.200 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.1	27.3	40.9
84	76.8	65.0	97.4

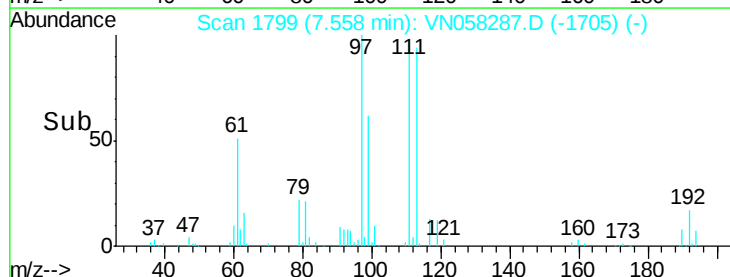
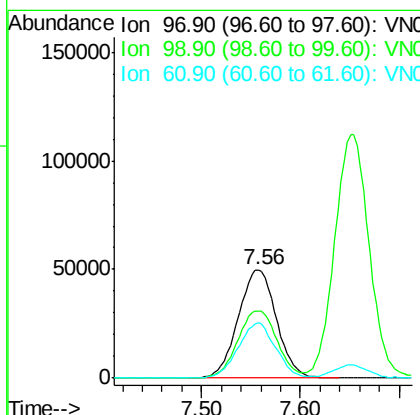
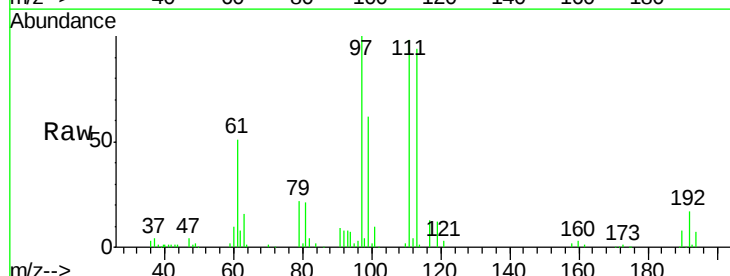
Manual Integrations
APPROVED

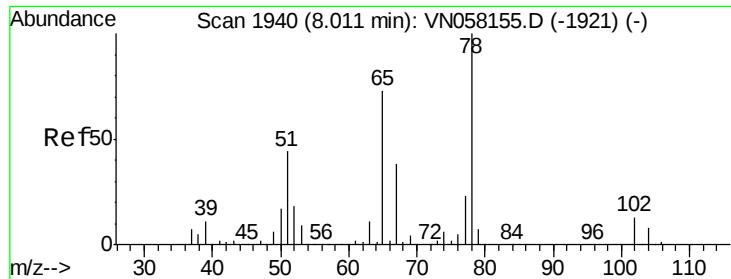
MMDadoda
9/25/2019 12:47:39 AM



#32
1,1,1-Trichloroethane
Concen: 20.363 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.9	76.3
61	49.8	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 53.235 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

Tot Ion: 65 Resp: 331920

Ion Ratio Lower Upper

65 100

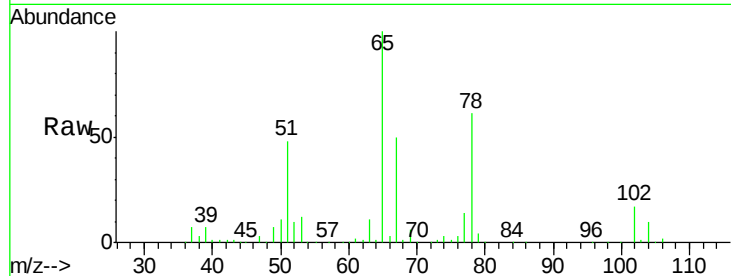
67 50.7 0.0 103.4

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:47:39 AM



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

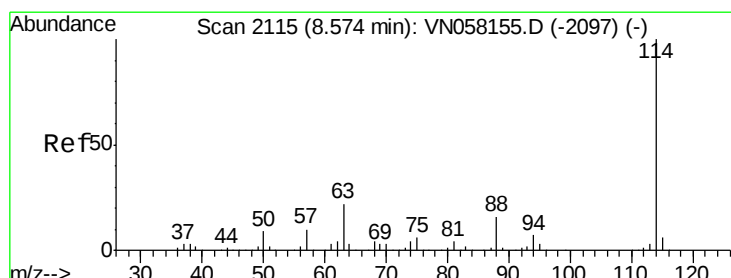
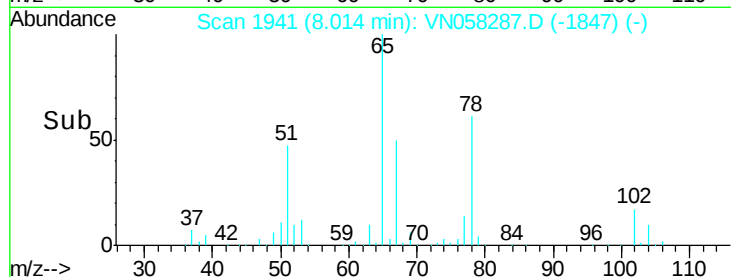
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

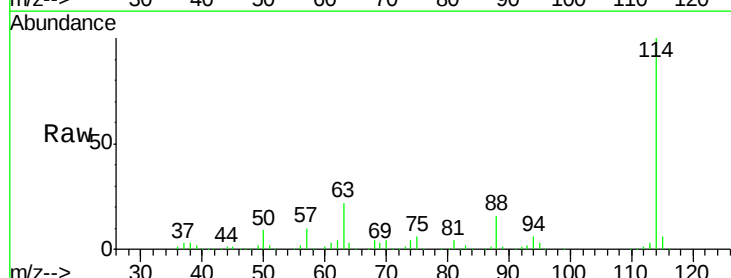
Tgt Ion: 114 Resp: 766557

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

88 15.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

500000

400000

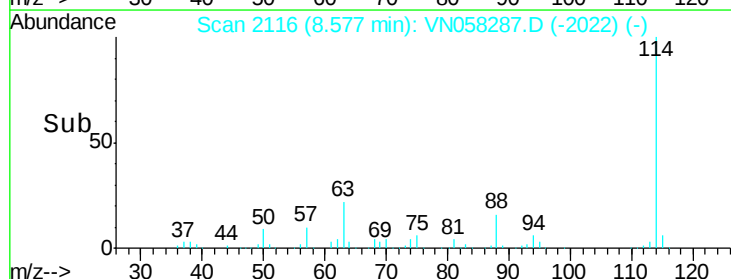
300000

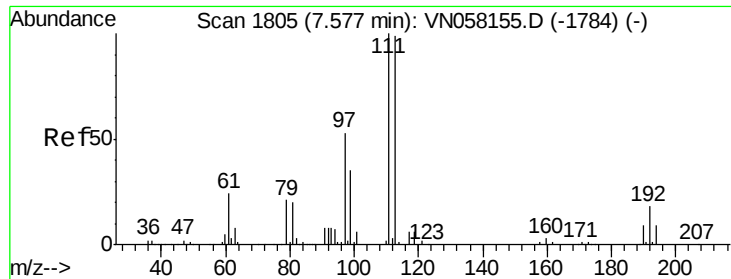
200000

100000

0

Time-->





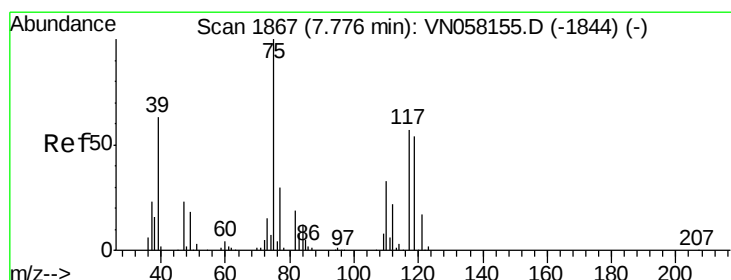
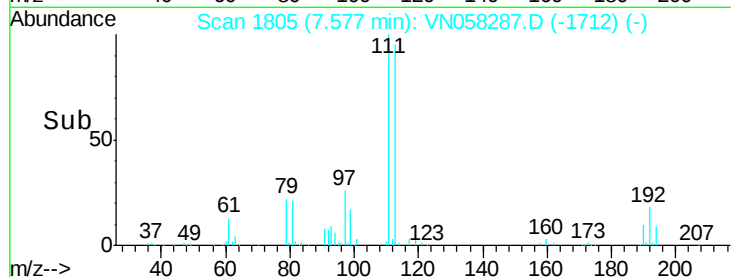
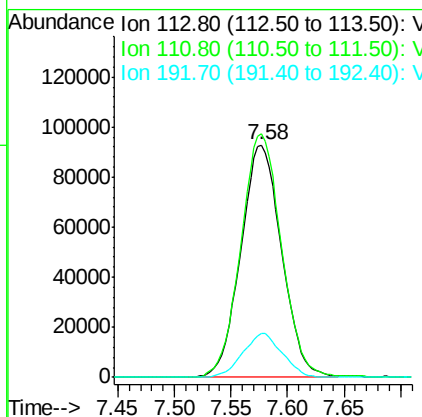
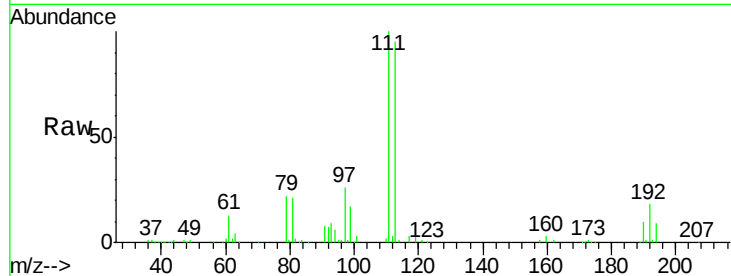
#35
 Dibromofluoromethane
 Concen: 50.021 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	233101		
111	104.8	81.8	122.6	
192	18.3	14.5	21.7	

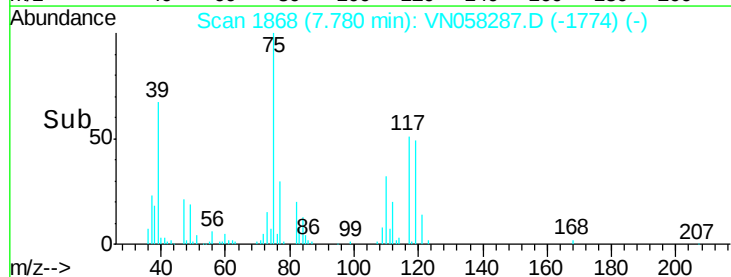
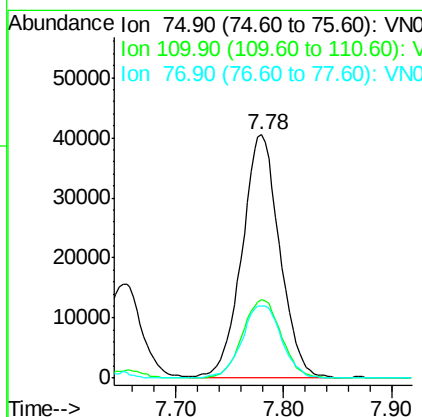
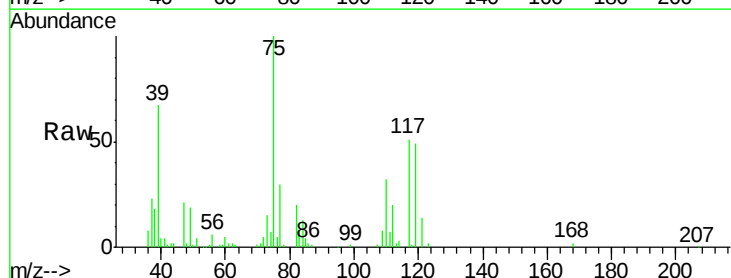
Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:39 AM



#36
 1,1-Dichloropropene
 Concen: 17.819 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	98506		
110	33.1	16.6	49.7	
77	31.4	24.3	36.5	





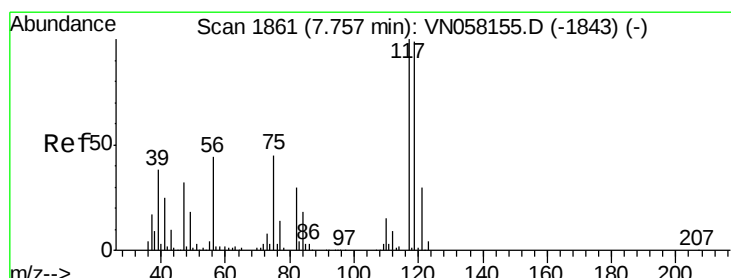
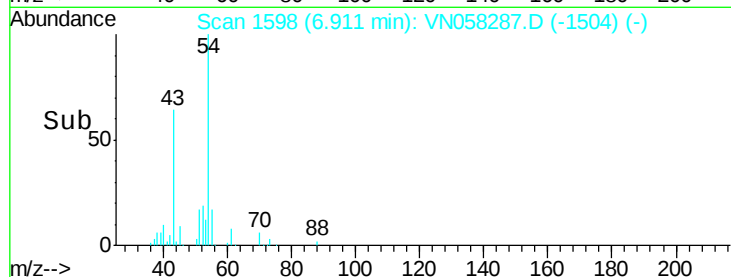
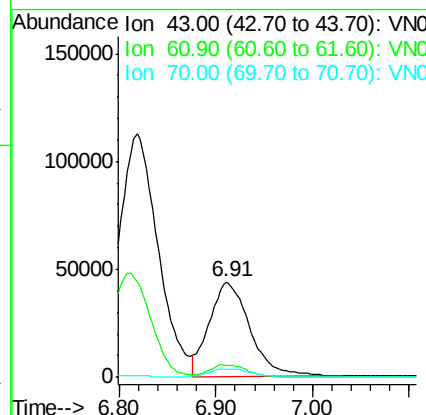
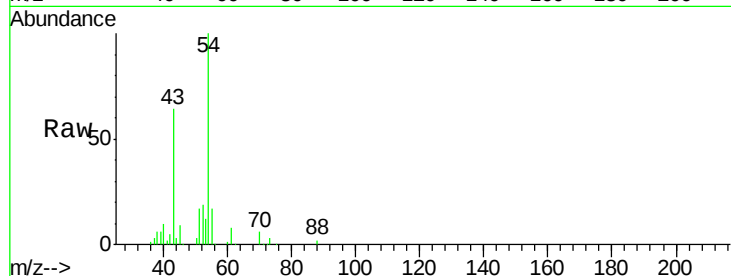
#37
Ethyl Acetate
Concen: 22.109 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.7	16.1
70	9.6	7.6	11.4

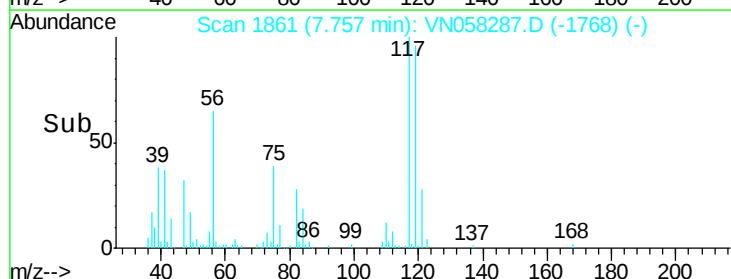
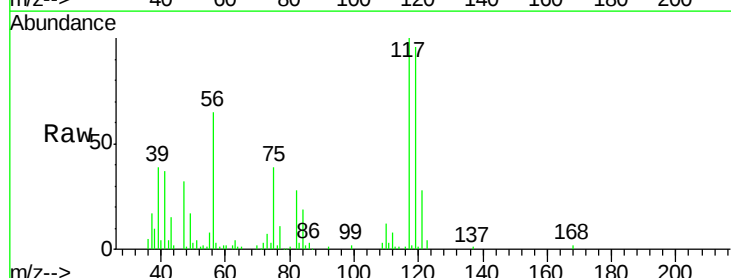
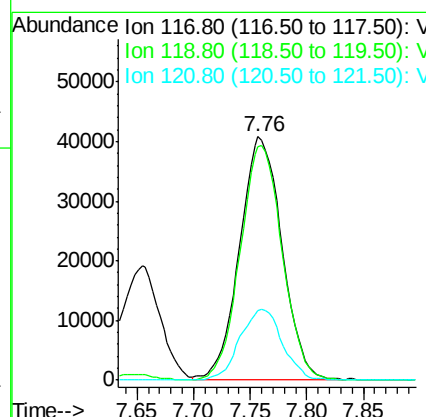
Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:47:39 AM



#38
Carbon Tetrachloride
Concen: 19.122 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.6	117.8
121	28.4	24.1	36.1





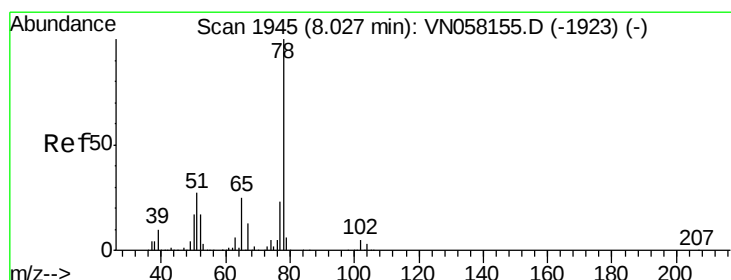
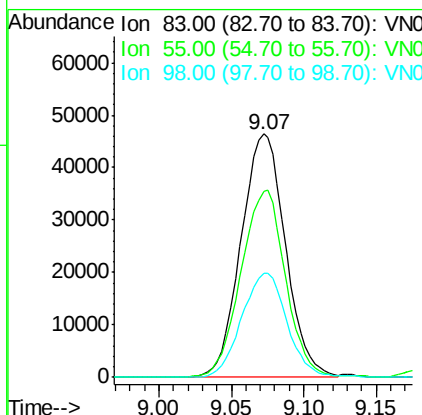
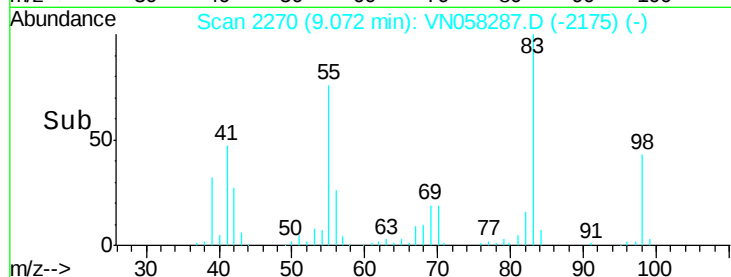
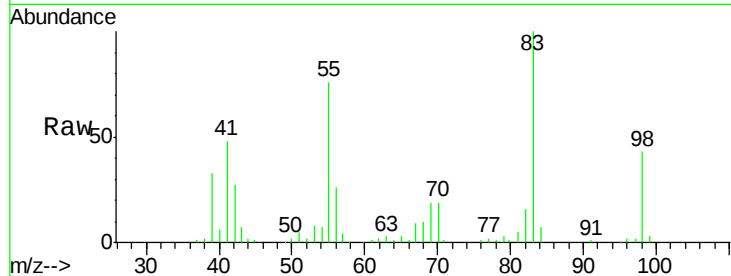
#39
Methvlcvclohexane
Concen: 18.549 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampled :
VN0923MBS01

Tot Ion	83.00	Resp:	98904
Ion	Ratio	Lower	Upper
83	100		
55	76.4	61.9	92.9
98	42.6	35.4	53.2

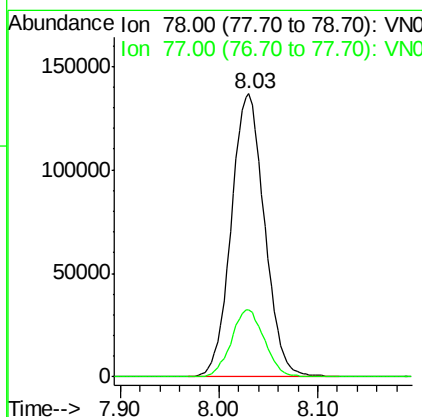
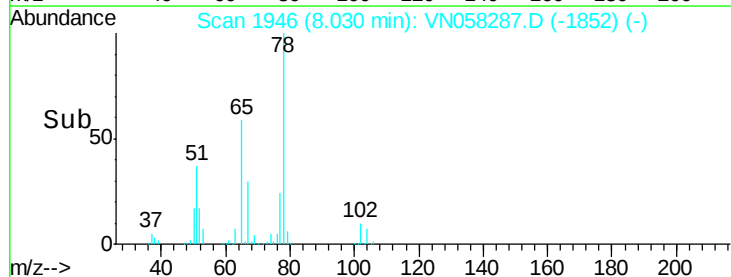
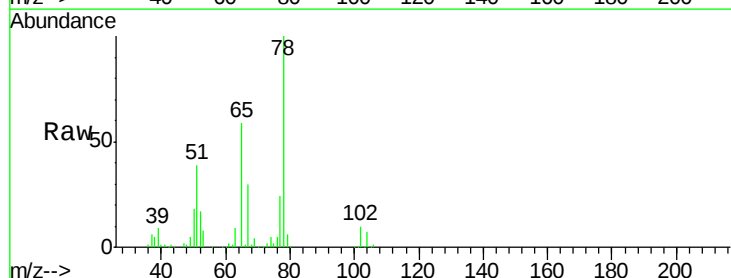
Manual Integrations
APPROVED

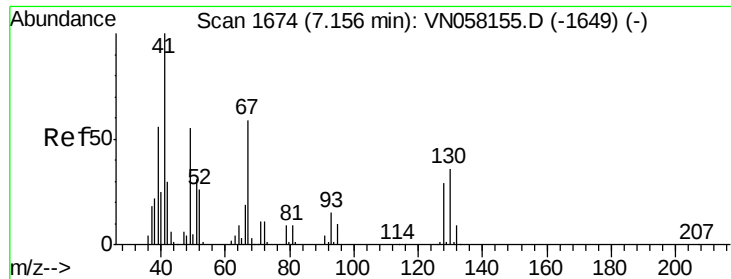
MMDadoda
9/25/2019 12:47:39 AM



#40
Benzene
Concen: 19.038 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion	78.00	Resp:	321444
Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





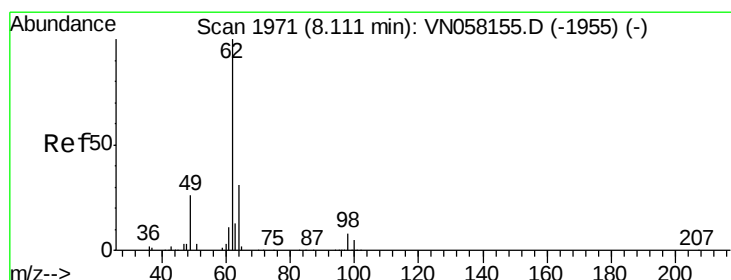
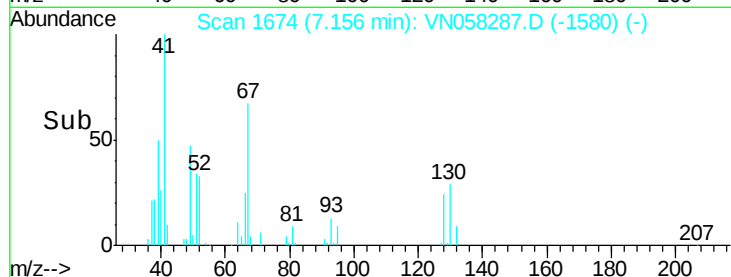
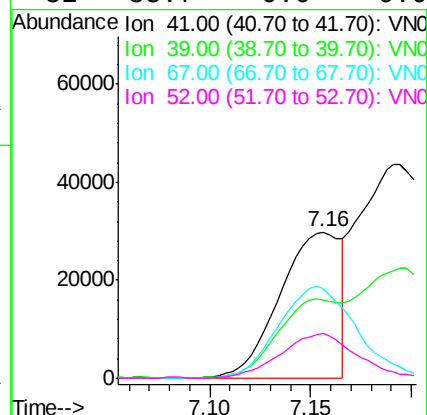
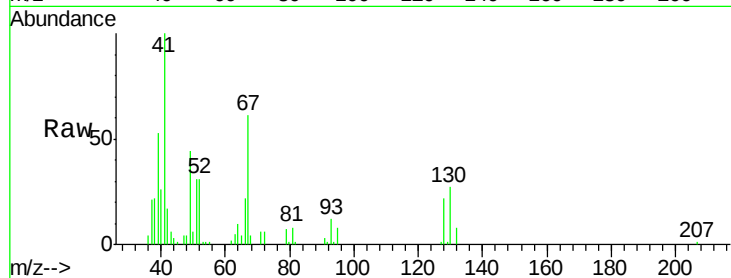
#41
Methacrylonitrile
Concen: 22.194 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.8	0.0	0.0#
67	80.3	0.0	0.0#
52	38.7	0.0	0.0#

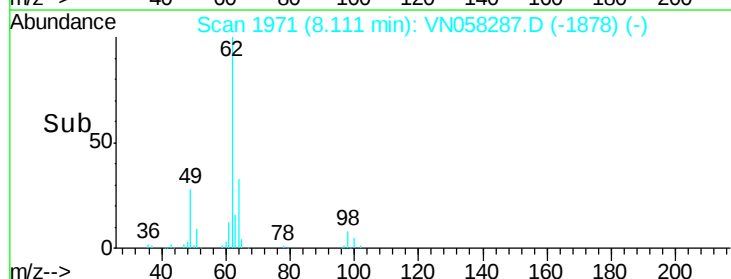
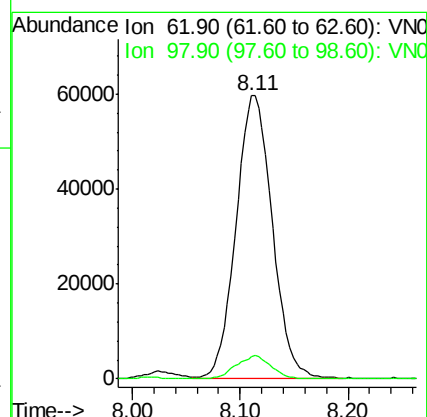
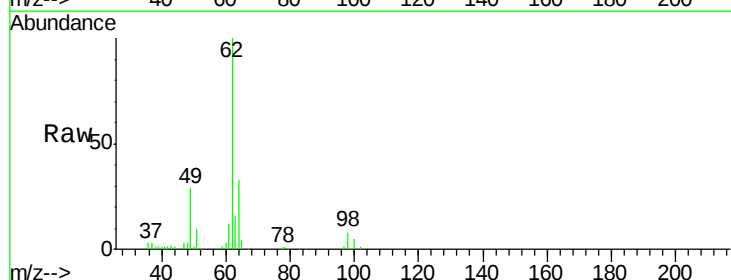
Manual Integrations
APPROVED

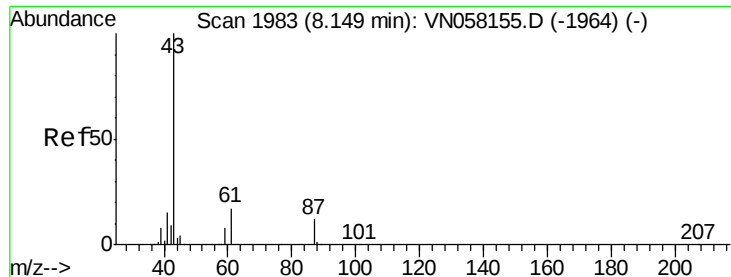
MMDadoda
9/25/2019 12:47:39 AM



#42
1,2-Dichloroethane
Concen: 19.639 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.6





#43

Isopropyl Acetate

Concen: 19.944 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

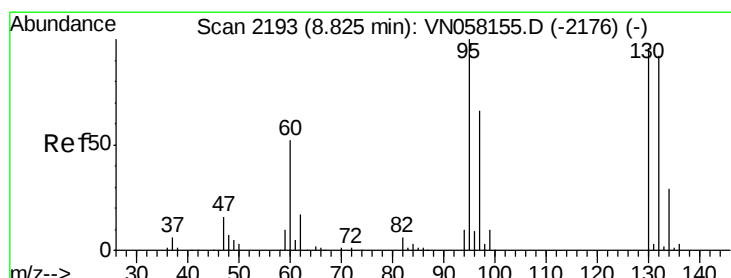
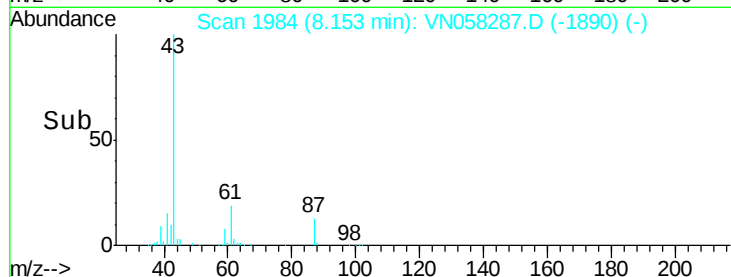
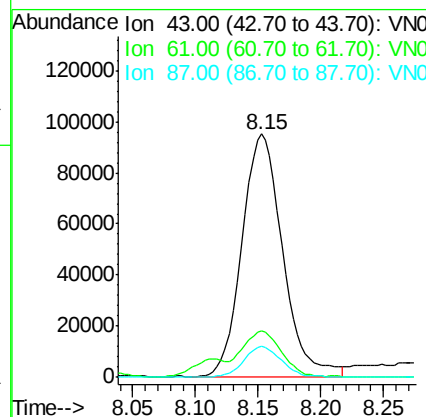
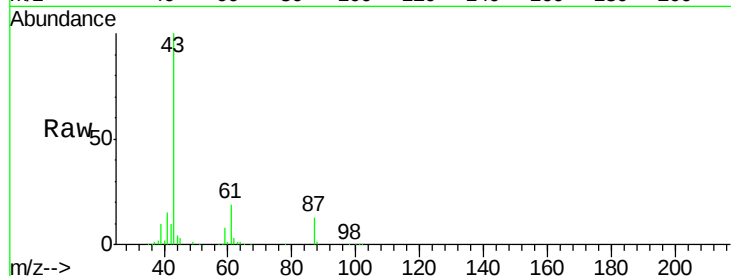
ClientSampleId :

VN0923MBS01

Tot Ion:	43	Resp:	213682
Ion Ratio	Lower	Upper	
43	100		
61	17.8	19.7	29.5#
87	12.0	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:47:39 AM



#44

Trichloroethene

Concen: 18.812 ug/l

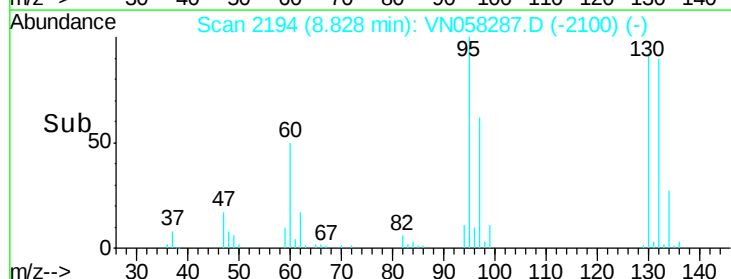
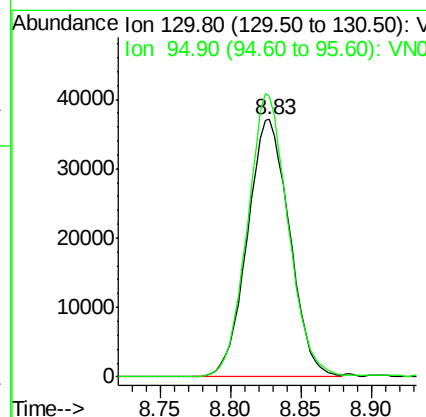
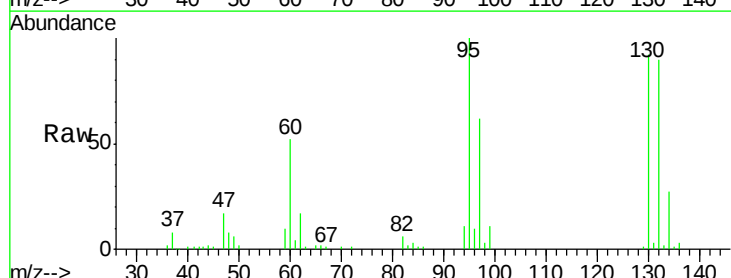
RT: 8.83 min Scan# 2194

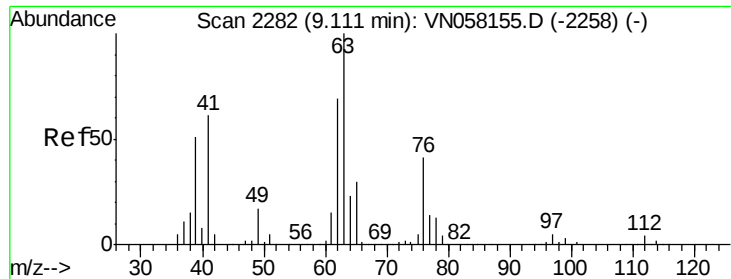
Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Tgt Ion:	130	Resp:	77729
Ion Ratio	Lower	Upper	
130	100		
95	109.1	0.0	207.8





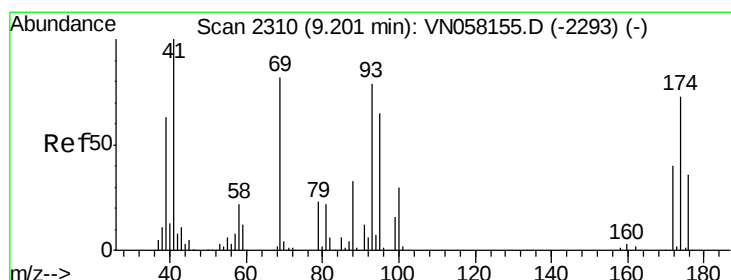
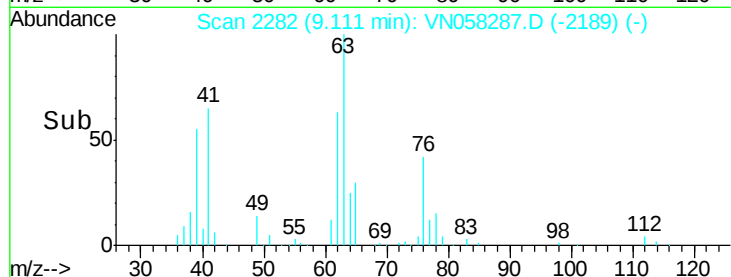
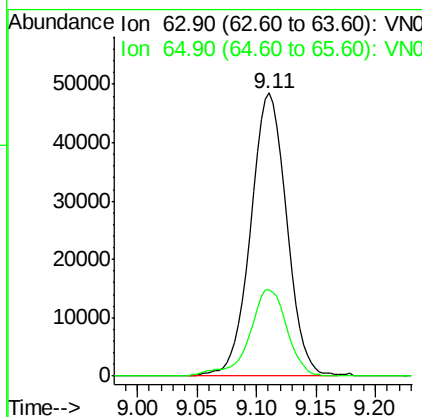
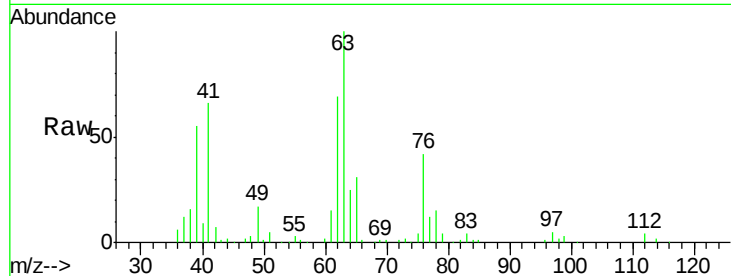
#45
 1,2-Dichloropropane
 Concen: 20.181 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

Tot Ion: 63 Resp: 101761
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.8 35.6

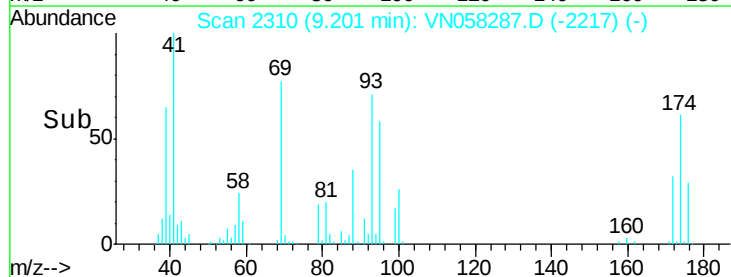
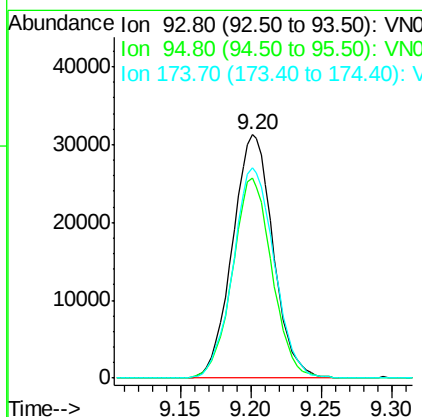
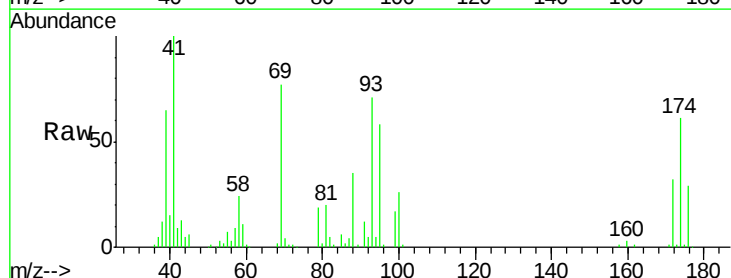
Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:39 AM



#46
 Dibromomethane
 Concen: 20.534 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion: 93 Resp: 62950
 Ion Ratio Lower Upper
 93 100
 95 79.9 66.8 100.2
 174 87.8 73.8 110.8





#47

Bromodichloromethane

Concen: 20.285 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

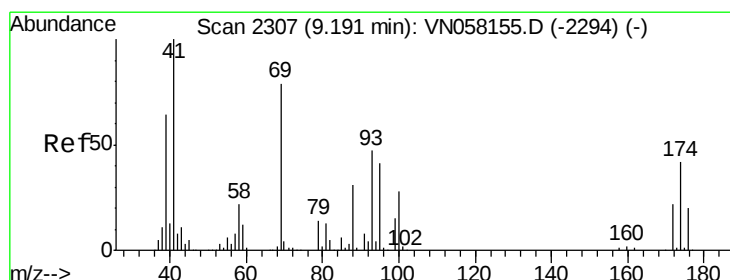
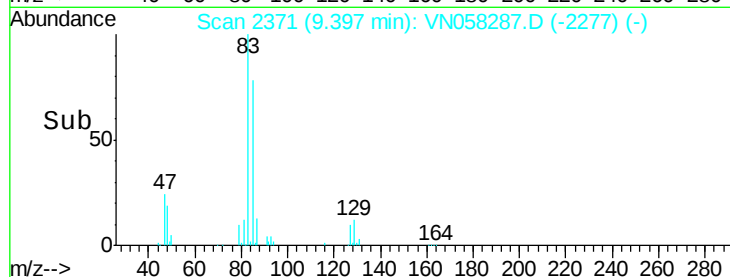
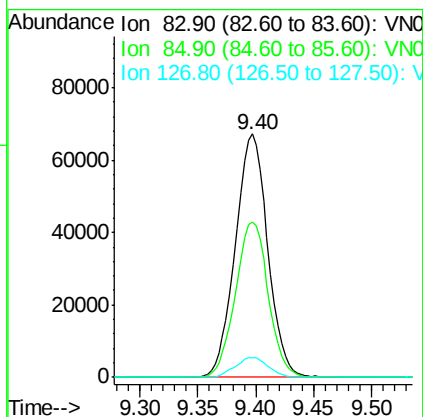
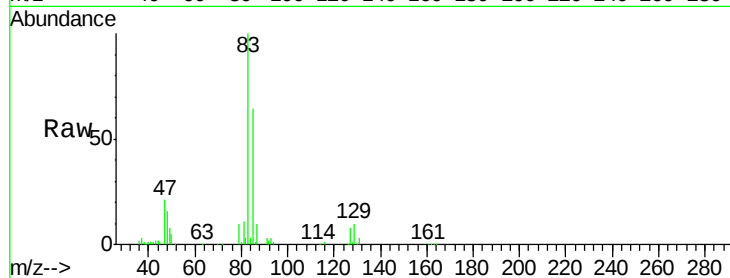
ClientSampleId :

VN0923MBS01

Tot Ion:	83	Resp:	130277
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.1	75.1
127	8.2	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:47:39 AM



#48

Methyl methacrylate

Concen: 20.970 ug/l

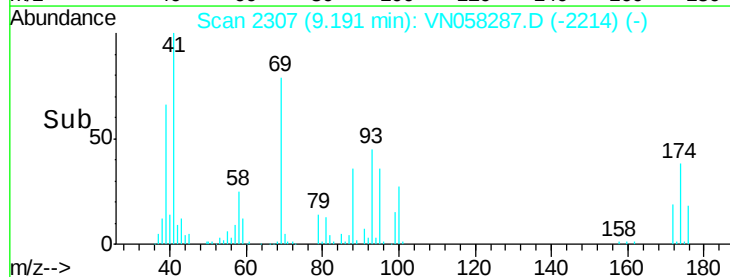
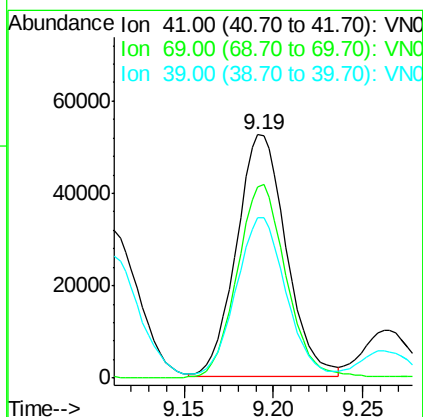
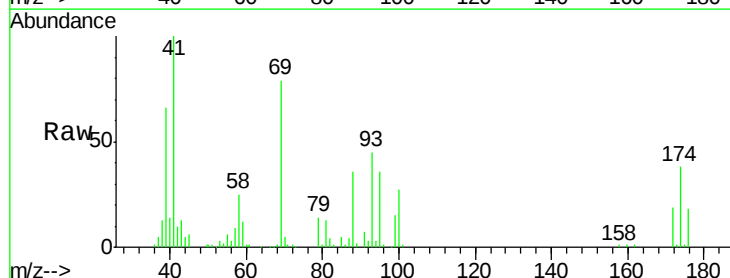
RT: 9.19 min Scan# 2307

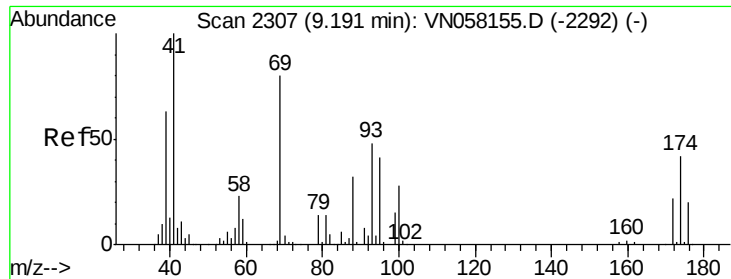
Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Tgt Ion:	41	Resp:	102012
Ion Ratio	Lower	Upper	
41	100		
69	79.0	62.5	93.7
39	66.4	52.3	78.5





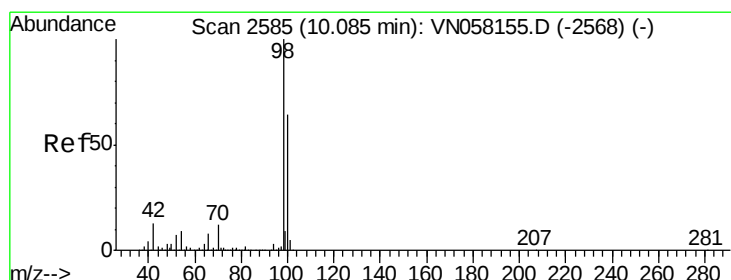
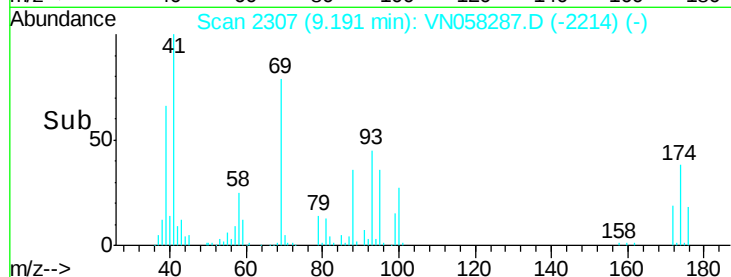
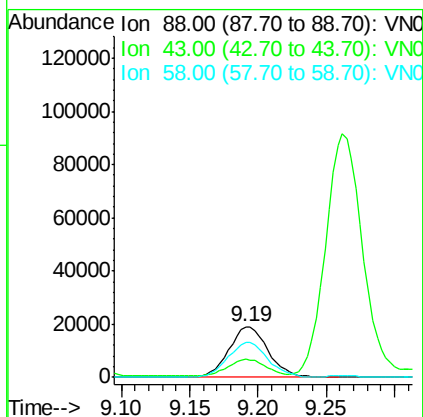
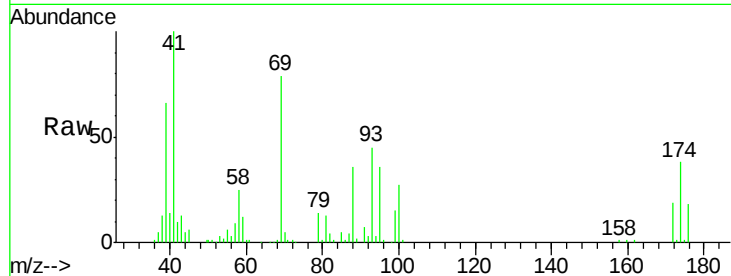
#49
 1,4-Dioxane
 Concen: 477.330 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	27.8	41.8
58	70.7	55.0	82.4

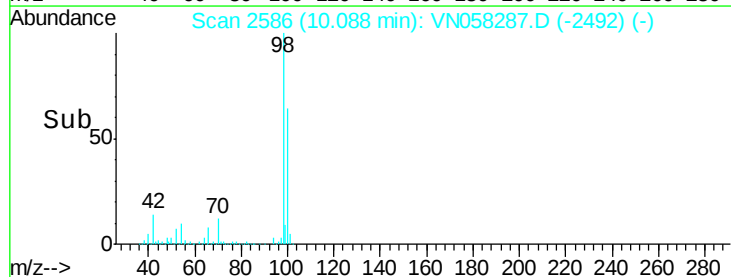
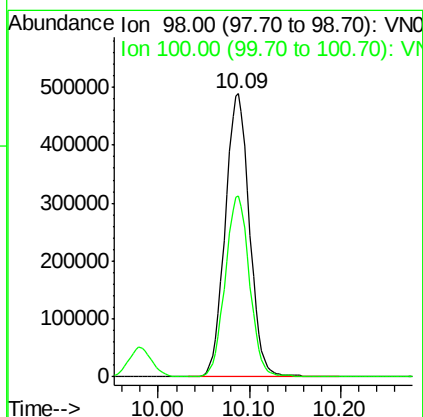
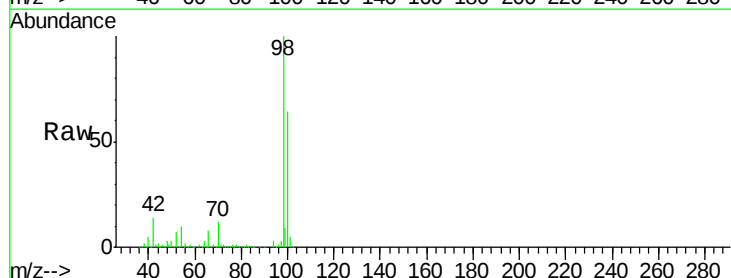
Manual Integrations
 APPROVED

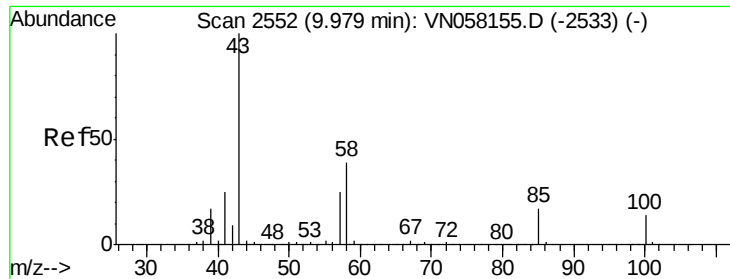
MMDadoda
 9/25/2019 12:47:39 AM



#50
 Toluene-d8
 Concen: 50.061 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 122.390 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

Tot Ion: 43 Resp: 696510

Ion Ratio Lower Upper

43 100

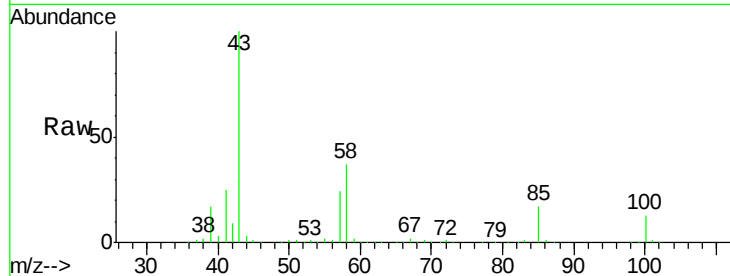
58 36.7 30.2 45.4

Manual Integrations

APPROVED

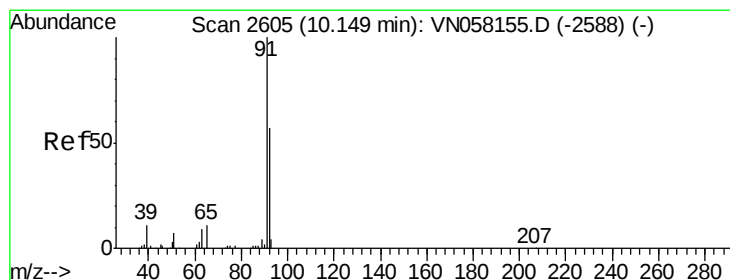
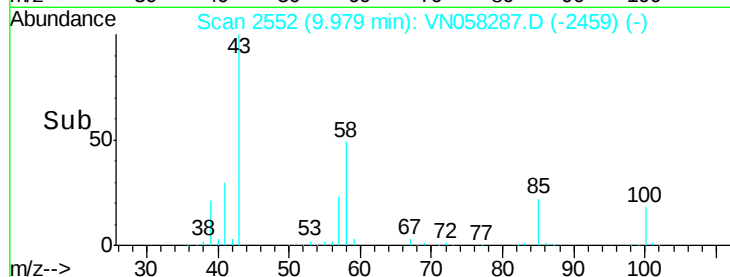
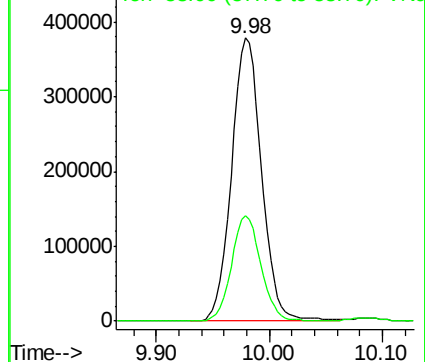
MMDadoda

9/25/2019 12:47:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.020 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058287.D

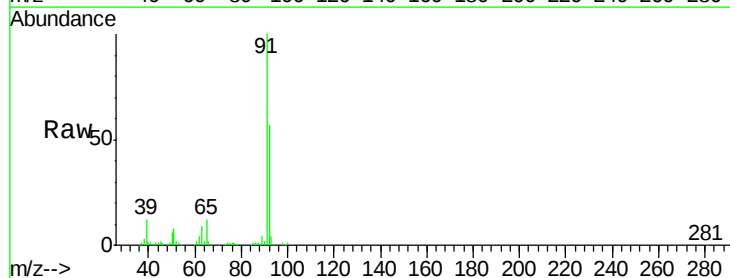
Acq: 23 Sep 2019 13:18

Tgt Ion: 92 Resp: 201260

Ion Ratio Lower Upper

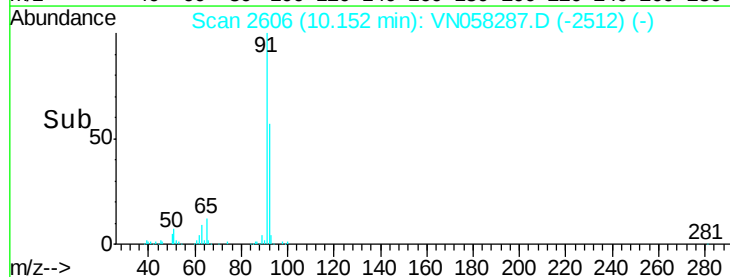
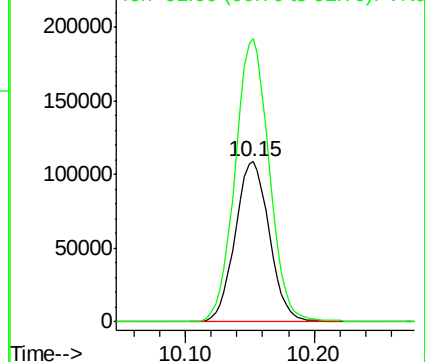
92 100

91 176.1 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.514 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

Tot Ion: 75 Resp: 128382

Ion Ratio Lower Upper

75 100

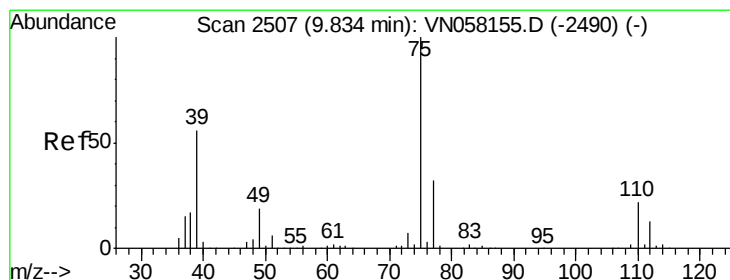
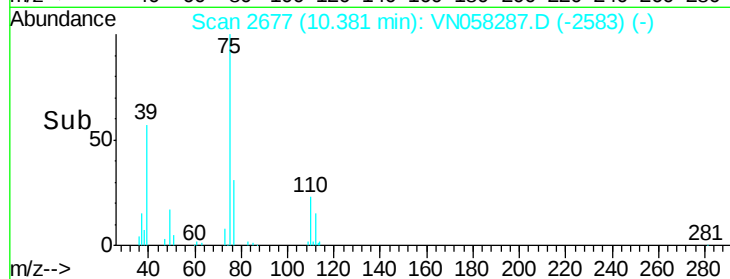
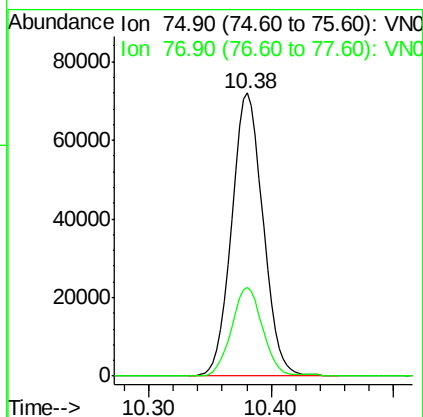
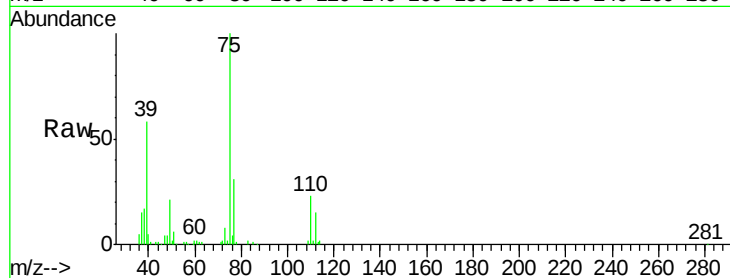
77 31.3 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:47:39 AM



#54

cis-1,3-Dichloropropene

Concen: 19.214 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

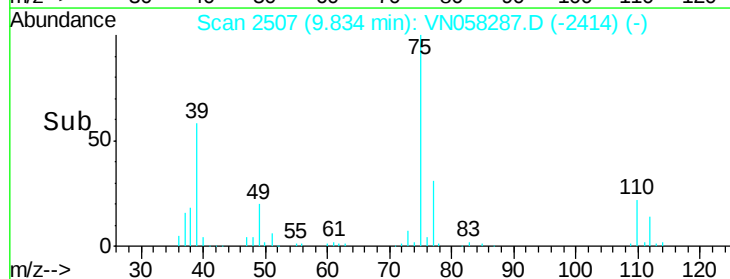
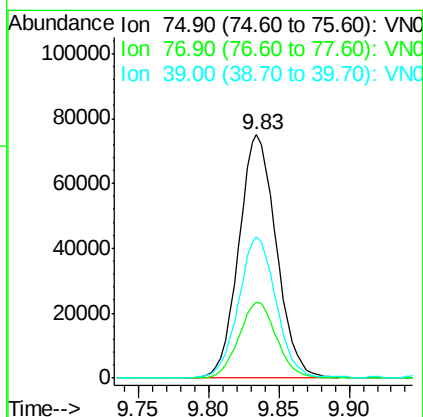
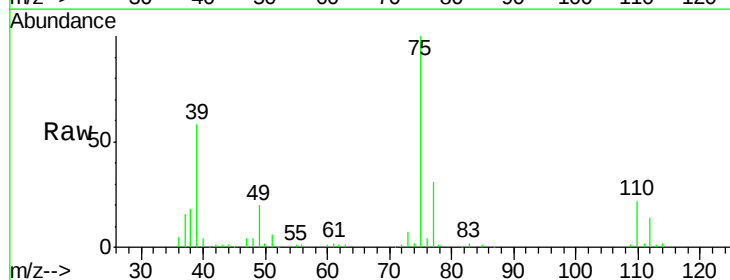
Tgt Ion: 75 Resp: 139560

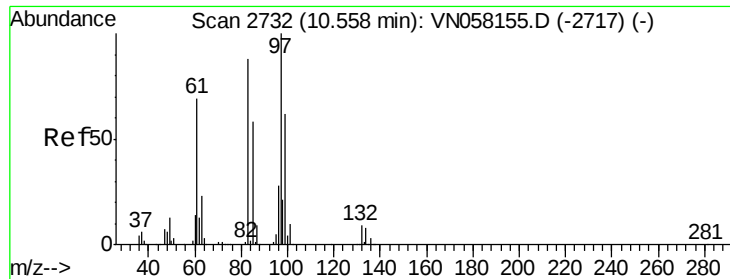
Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

39 57.4 45.0 67.6





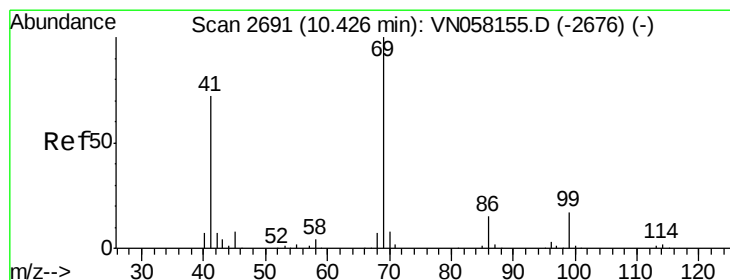
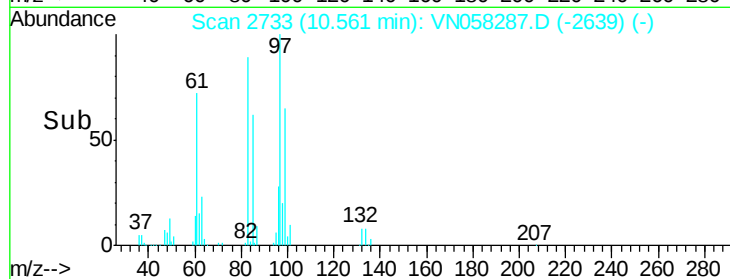
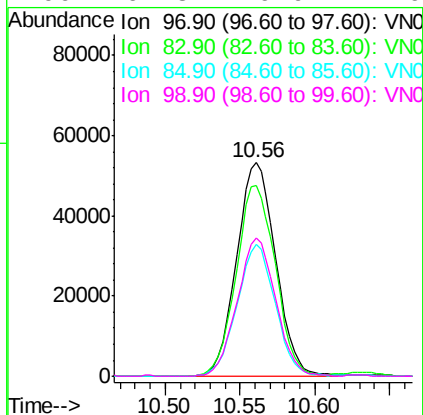
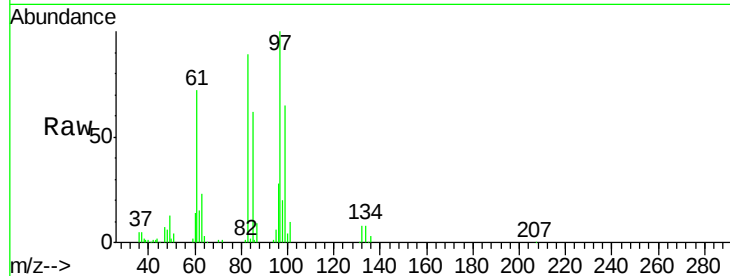
#55
 1,1,2-Trichloroethane
 Concen: 20.611 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

Tot Ion:	97	Resp:	96785
Ion	Ratio	Lower	Upper
97	100		
83	89.4	70.4	105.6
85	61.5	46.8	70.2
99	64.8	49.9	74.9

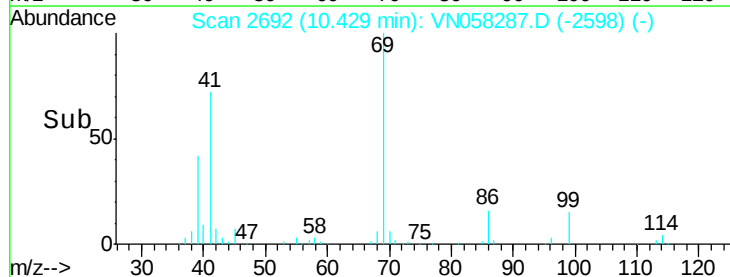
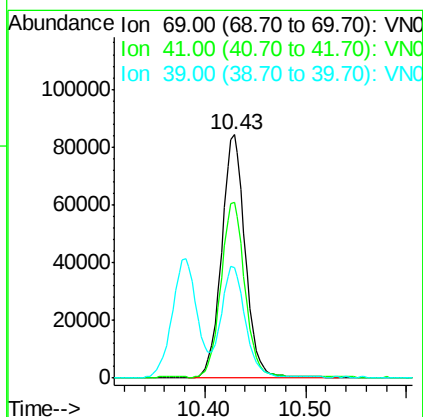
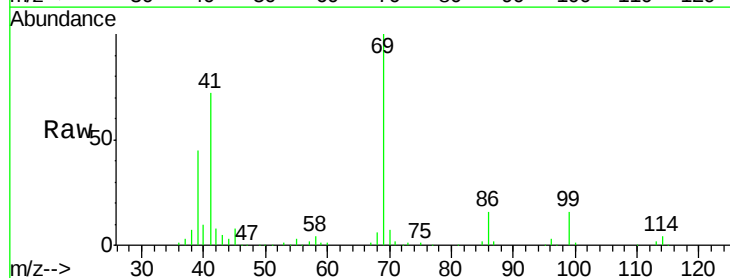
Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:39 AM



#56
 Ethyl methacrylate
 Concen: 20.472 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion:	69	Resp:	138707
Ion	Ratio	Lower	Upper
69	100		
41	72.5	57.5	86.3
39	46.3	36.1	54.1





#57

1,3-Dichloropropane

Concen: 20.106 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampled :

VN0923MBS01

Tot Ion: 76 Resp: 162309

Ion Ratio Lower Upper

76 100

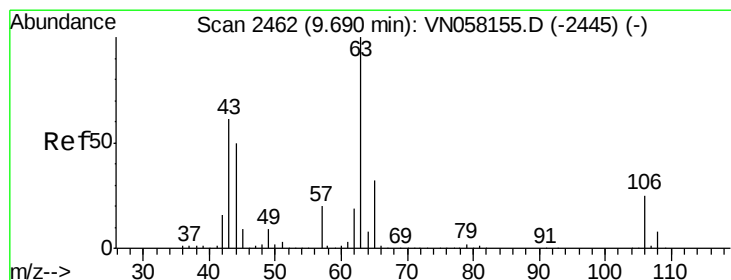
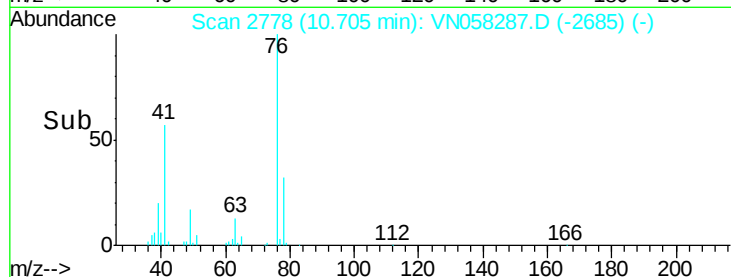
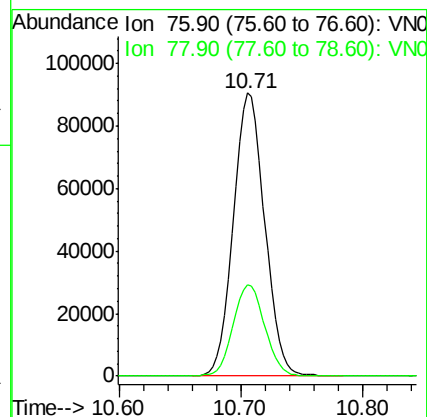
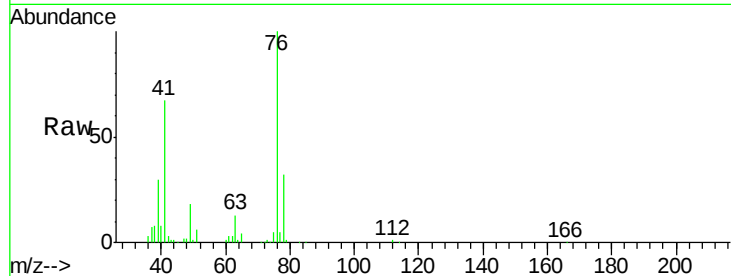
78 32.7 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:47:39 AM



#58

2-Chloroethyl Vinyl ether

Concen: 108.131 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058287.D

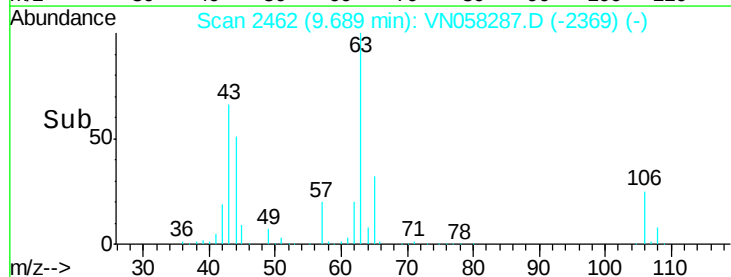
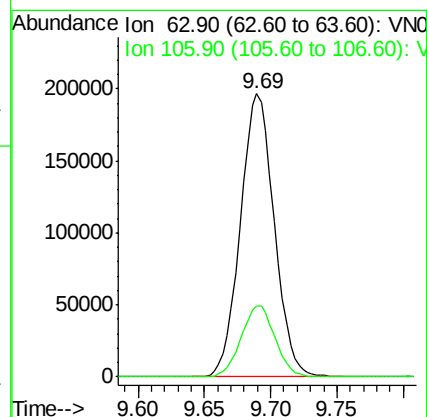
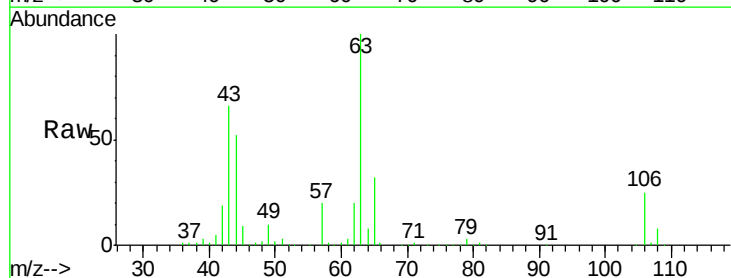
Acq: 23 Sep 2019 13:18

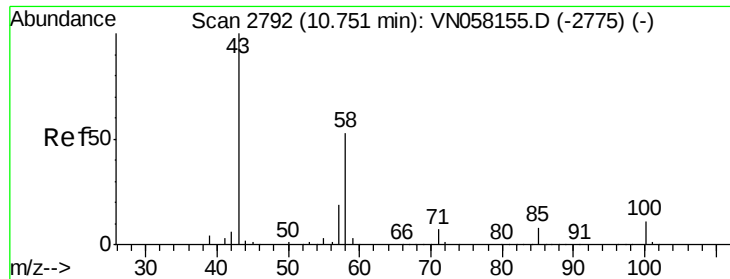
Tgt Ion: 63 Resp: 348968

Ion Ratio Lower Upper

63 100

106 25.2 19.9 29.9





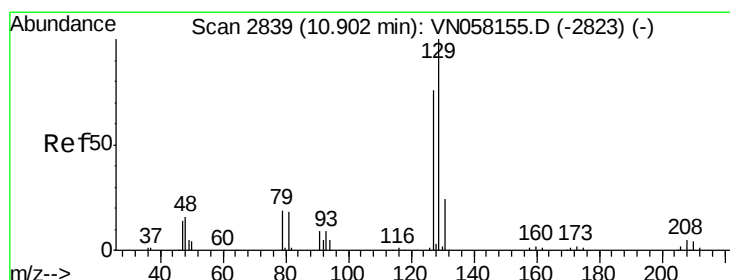
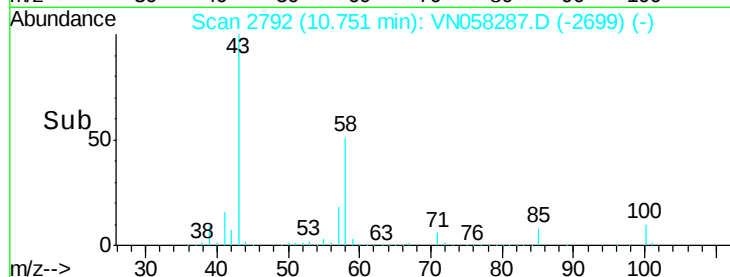
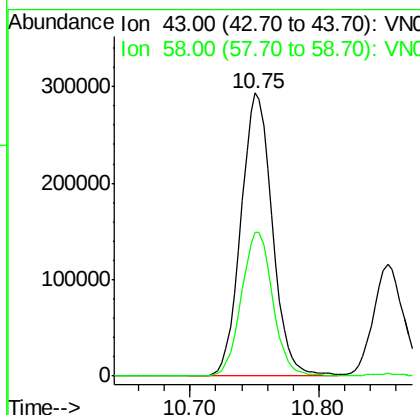
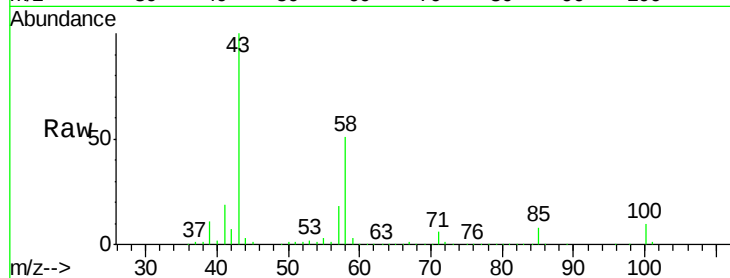
#59
2-Hexanone
Concen: 117.012 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion: 43 Resp: 494563
Ion Ratio Lower Upper
43 100
58 51.2 26.0 78.0

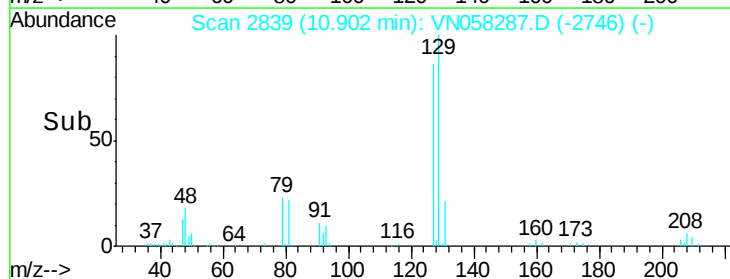
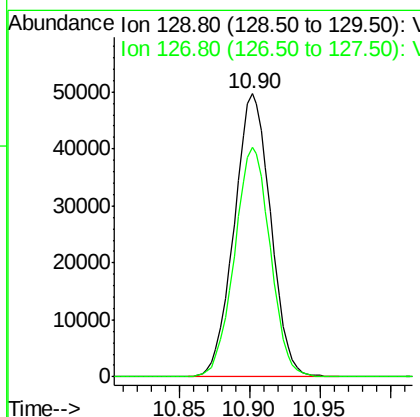
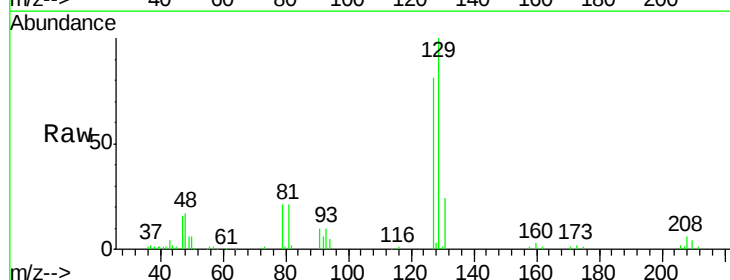
Manual Integrations
APPROVED

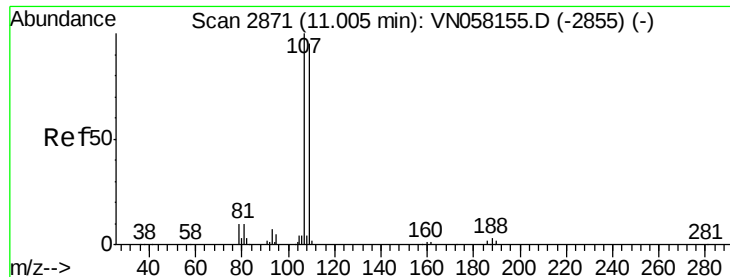
MMDadoda
9/25/2019 12:47:39 AM



#60
Dibromochloromethane
Concen: 19.929 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion: 129 Resp: 90032
Ion Ratio Lower Upper
129 100
127 79.4 38.7 116.1





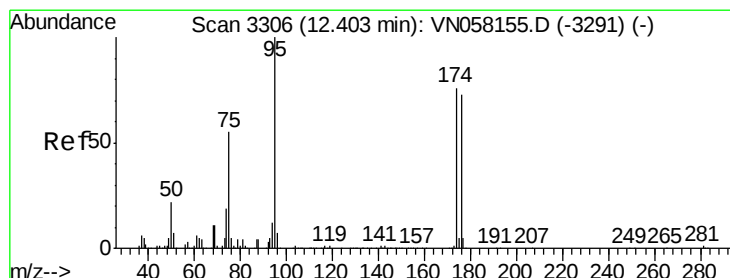
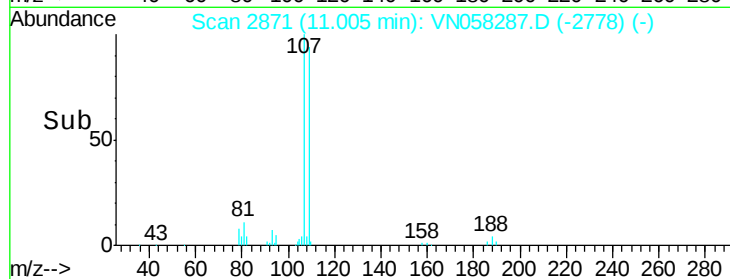
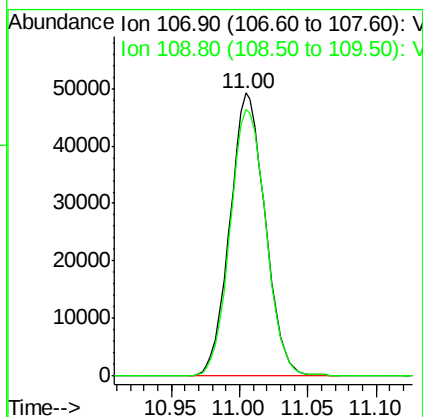
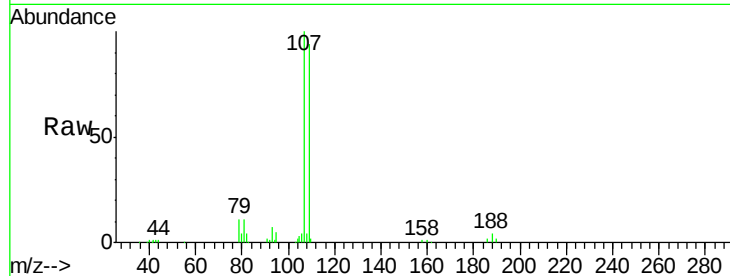
#61
 1,2-Dibromoethane
 Concen: 20.276 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.4	113.2

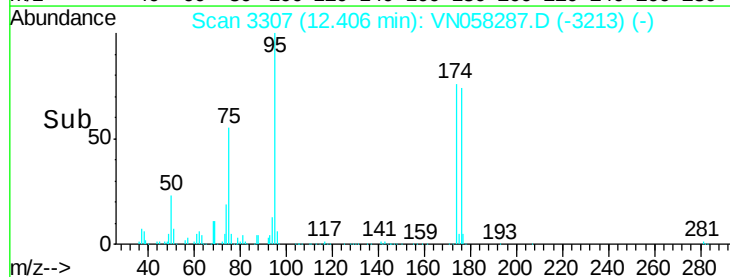
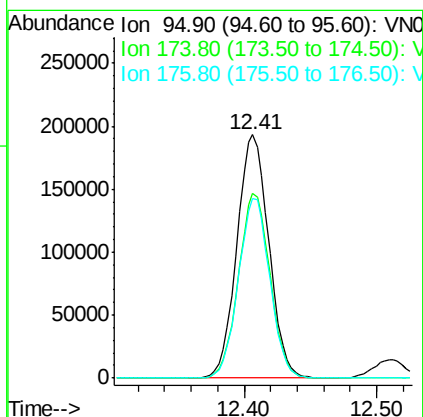
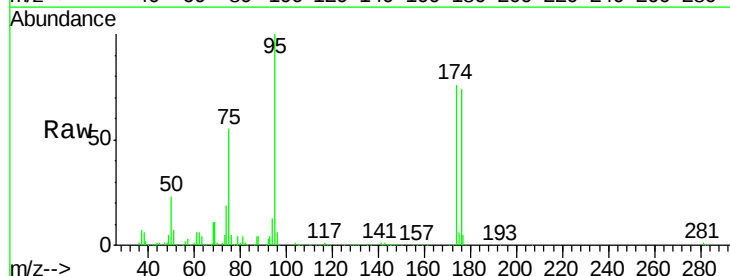
Manual Integrations
 APPROVED

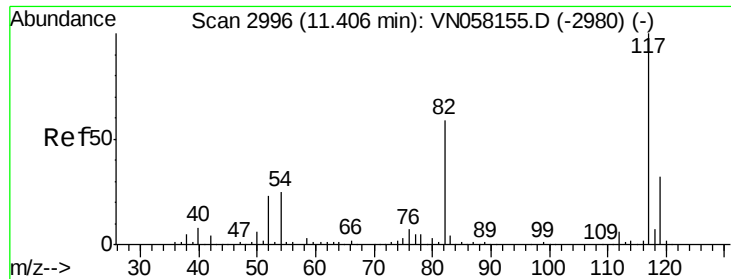
MMDadoda
 9/25/2019 12:47:39 AM



#62
 4-Bromofluorobenzene
 Concen: 47.786 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	152.2
176	72.8	0.0	148.0





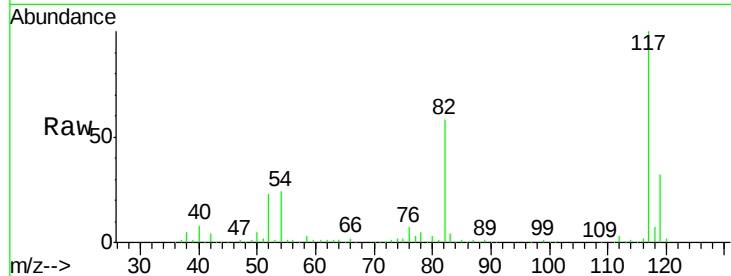
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.9	70.3
119	32.0	25.3	37.9

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:47:39 AM

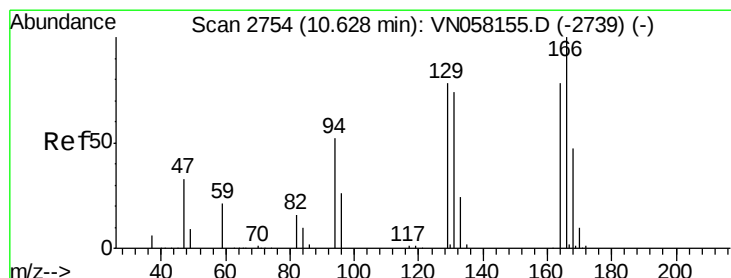
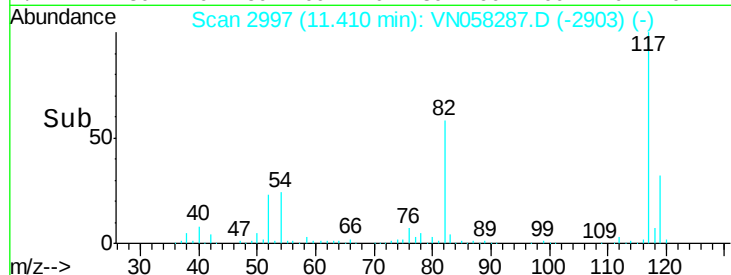
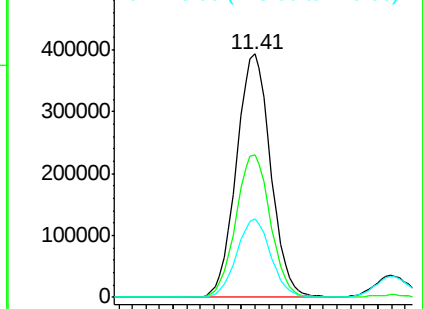


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.429 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	102.2	153.4
129	94.6	79.6	119.4
131	95.8	76.0	114.0

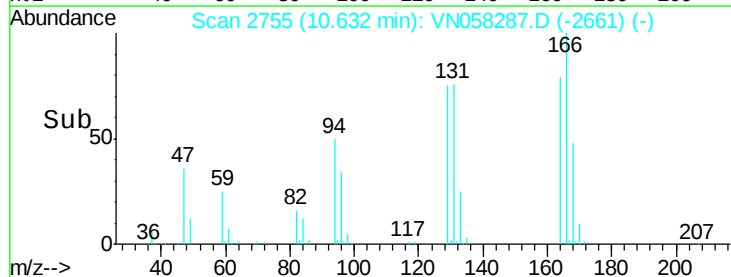
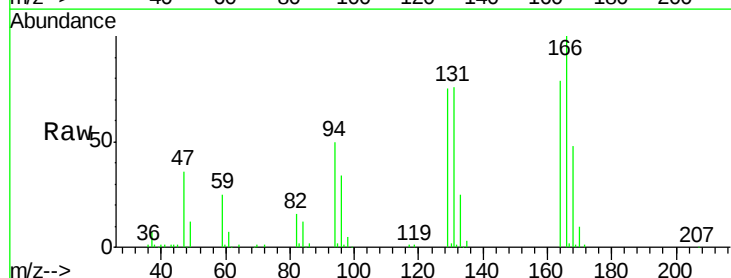
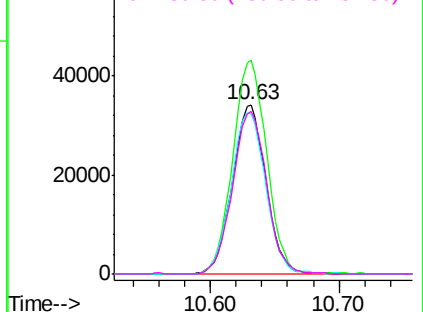
Abundance

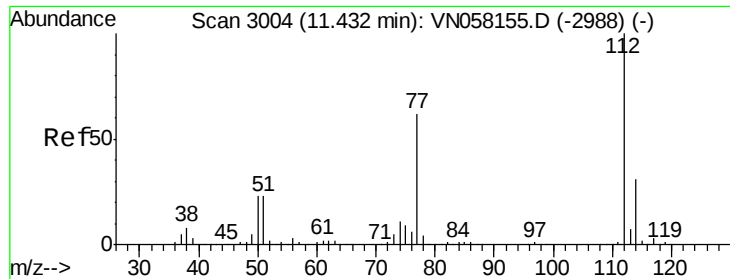
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





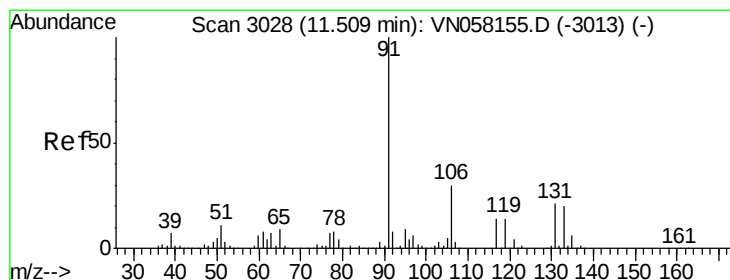
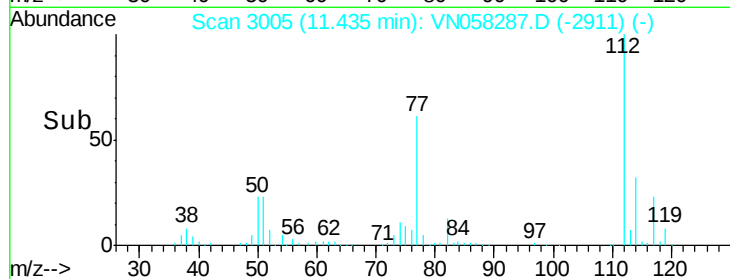
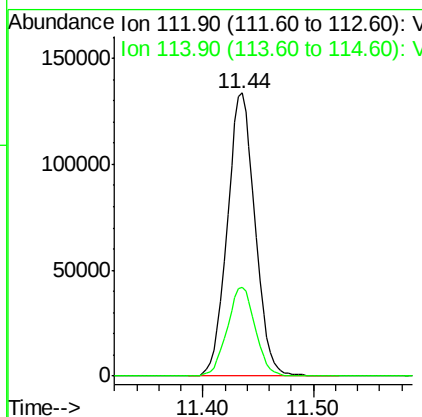
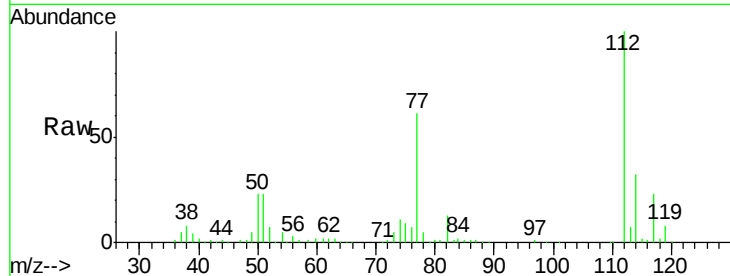
#65
Chlorobenzene
Concen: 19.302 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampled :
VN0923MBS01

Tot Ion:112 Resp: 232623
Ion Ratio Lower Upper
112 100
114 31.6 25.1 37.7

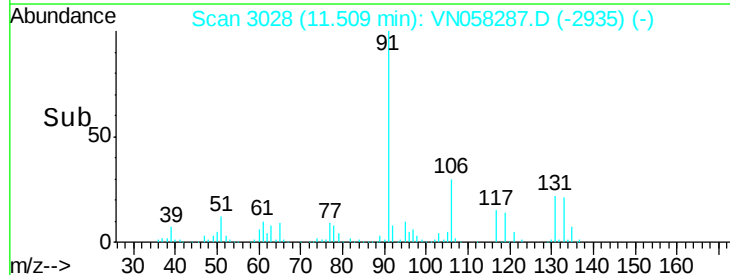
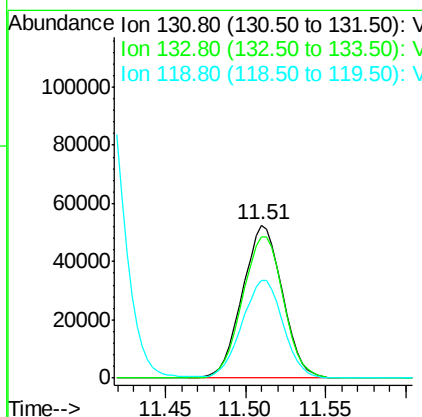
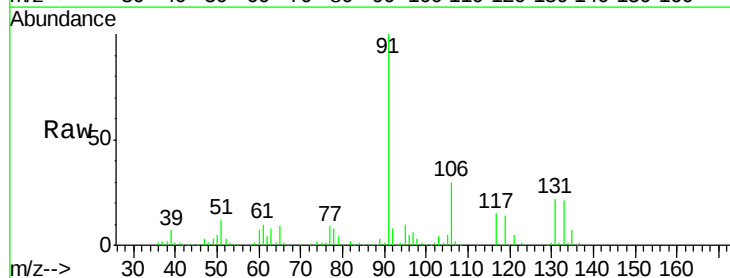
Manual Integrations
APPROVED

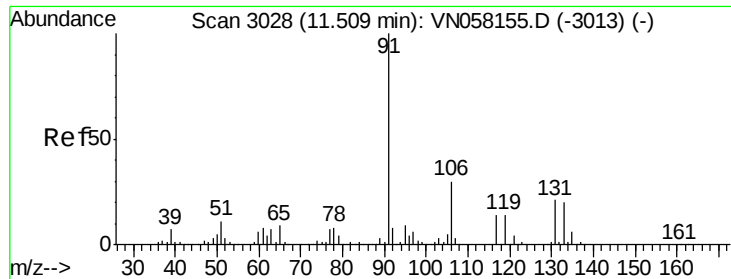
MMDadoda
9/25/2019 12:47:39 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.606 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion:131 Resp: 90046
Ion Ratio Lower Upper
131 100
133 94.9 47.8 143.3
119 65.9 33.1 99.3





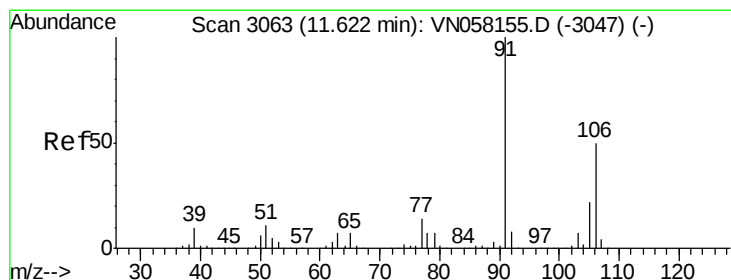
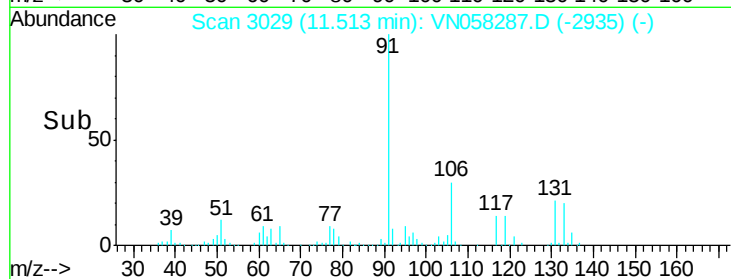
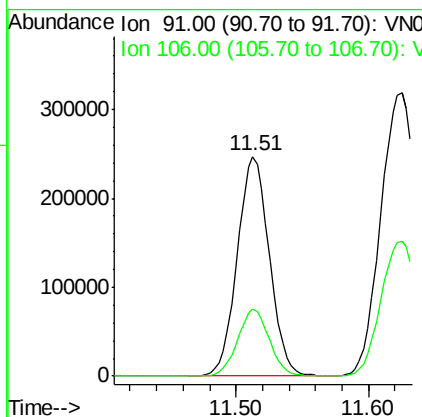
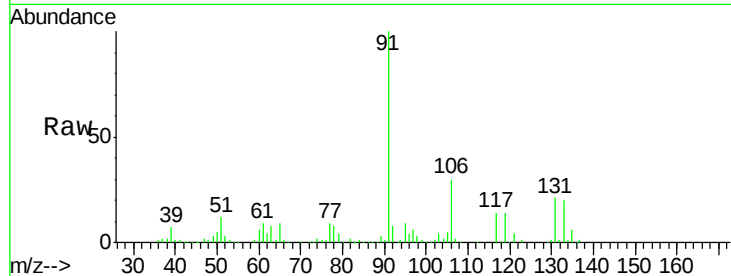
#67
Ethyl Benzene
Concen: 20.055 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampled :
VN0923MBS01

Tot Ion: 91 Resp: 414131
Ion Ratio Lower Upper
91 100
106 30.4 24.0 36.0

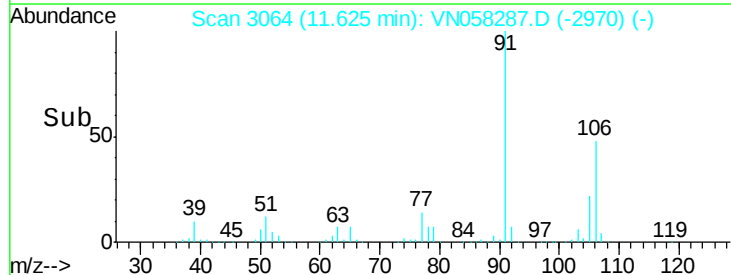
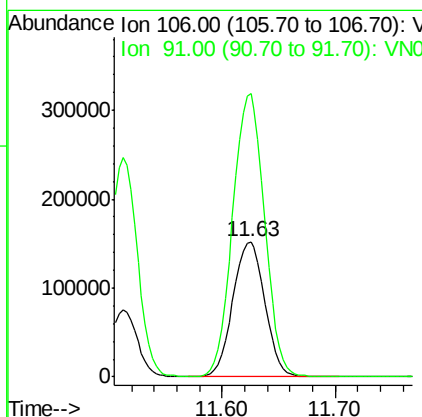
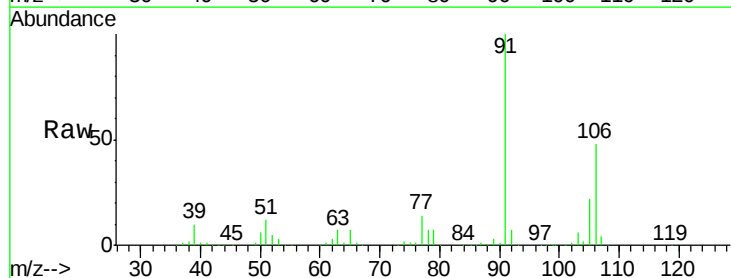
Manual Integrations
APPROVED

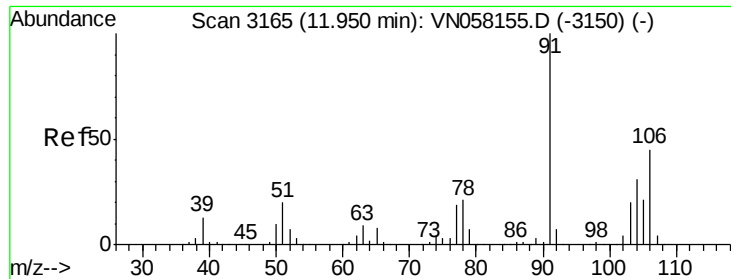
MMDadoda
9/25/2019 12:47:39 AM



#68
m/p-Xylenes
Concen: 38.393 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion: 106 Resp: 298601
Ion Ratio Lower Upper
106 100
91 208.5 163.6 245.4





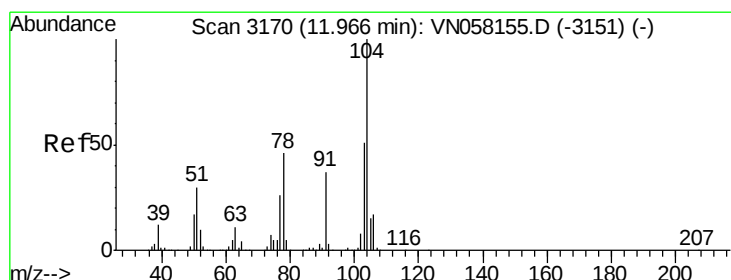
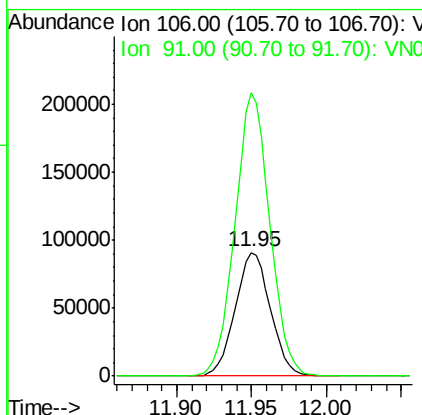
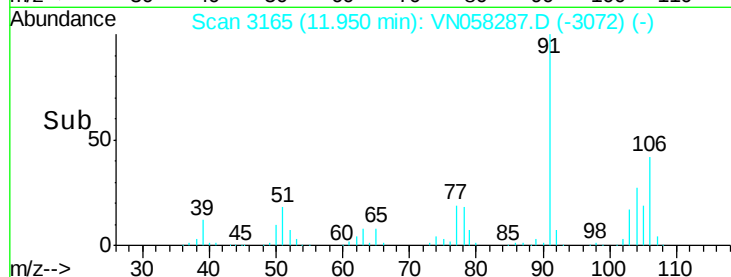
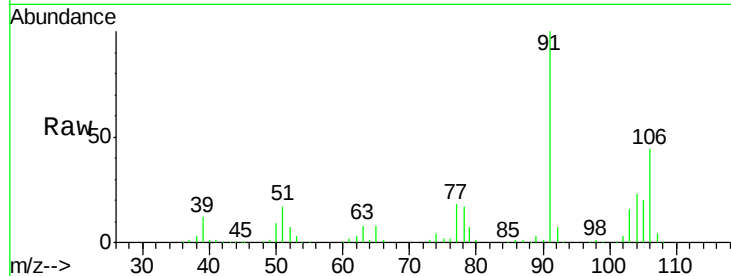
#69
o-Xylene
Concen: 19.522 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion:106 Resp: 149299
Ion Ratio Lower Upper
106 100
91 225.7 111.8 335.3

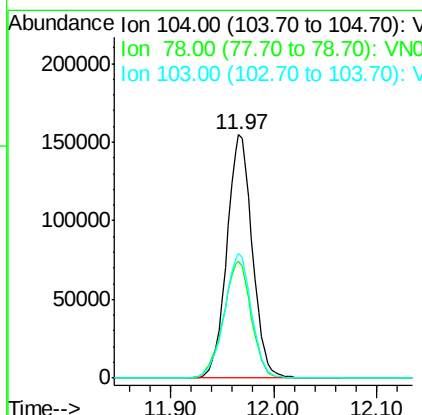
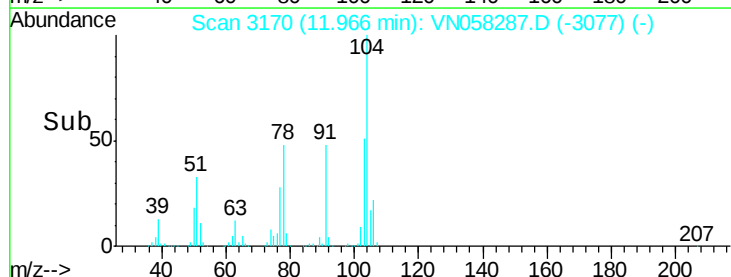
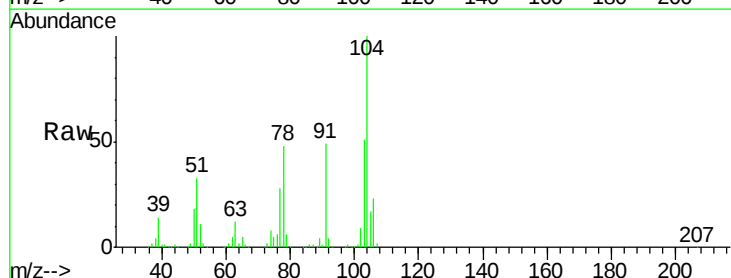
Manual Integrations
APPROVED

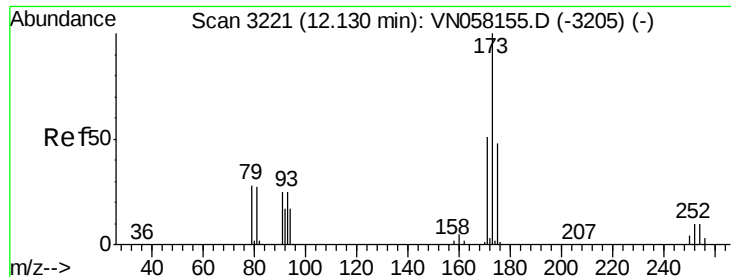
MMDadoda
9/25/2019 12:47:39 AM



#70
Styrene
Concen: 20.215 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion:104 Resp: 266364
Ion Ratio Lower Upper
104 100
78 52.3 41.8 62.8
103 54.2 44.2 66.2





#71

Bromoform

Concen: 20.009 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

Tot Ion:173 Resp: 57299

Ion Ratio Lower Upper

173 100

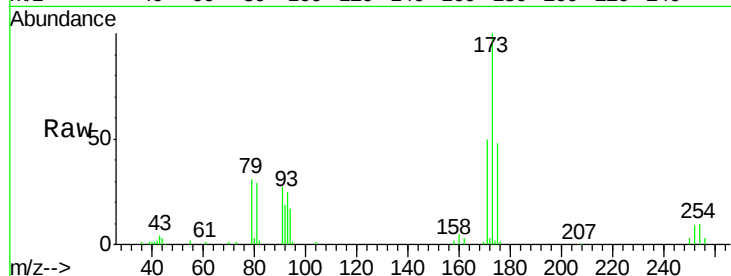
175 47.5 24.2 72.6

254 0.0 0.1 0.1#

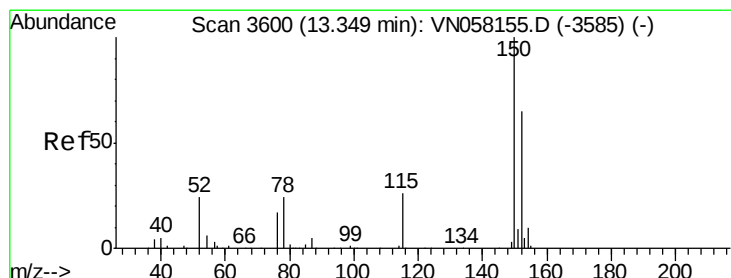
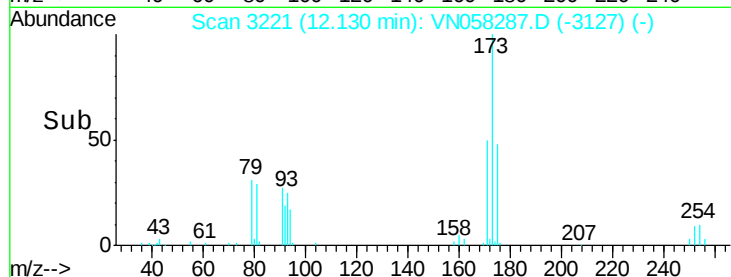
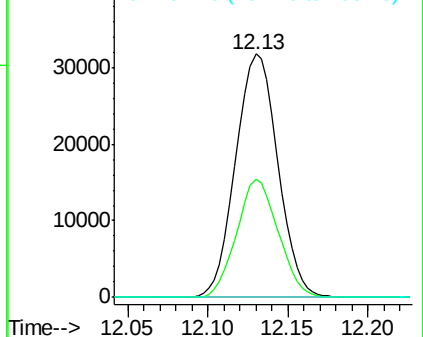
Manual Integrations
APPROVED

MMDadoda

9/25/2019 12:47:39 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

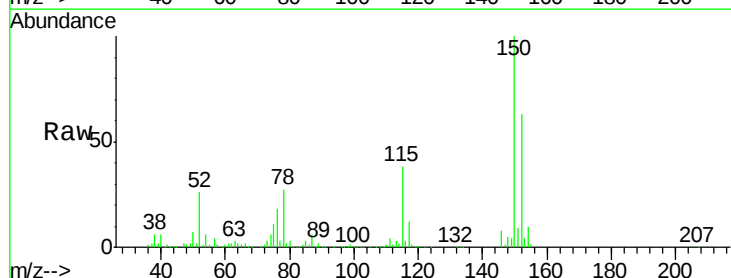
Tgt Ion:152 Resp: 321729

Ion Ratio Lower Upper

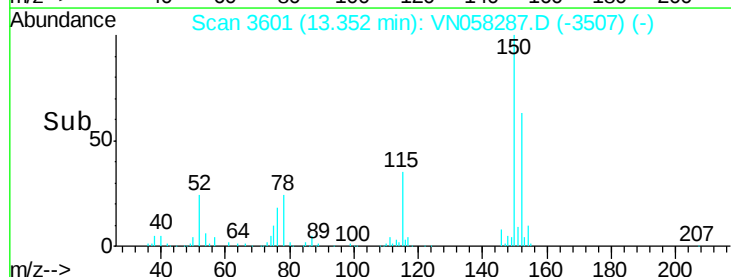
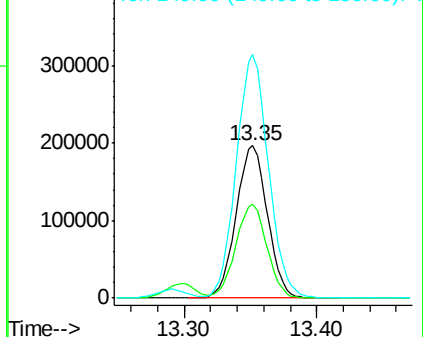
152 100

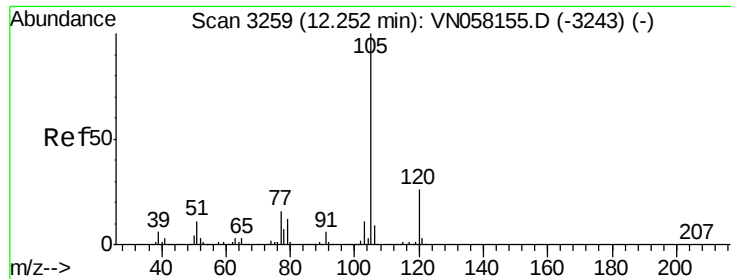
115 61.2 30.1 90.3

150 164.5 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.174 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

Tot Ion:105 Resp: 426407

Ion Ratio Lower Upper

105 100

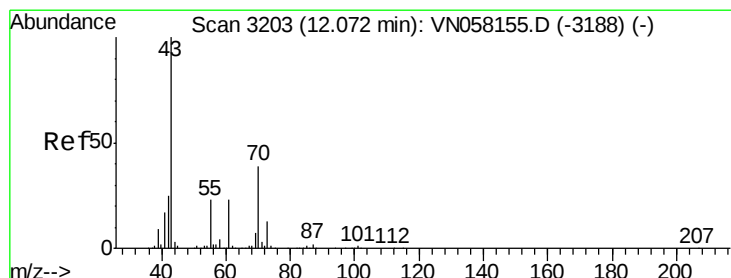
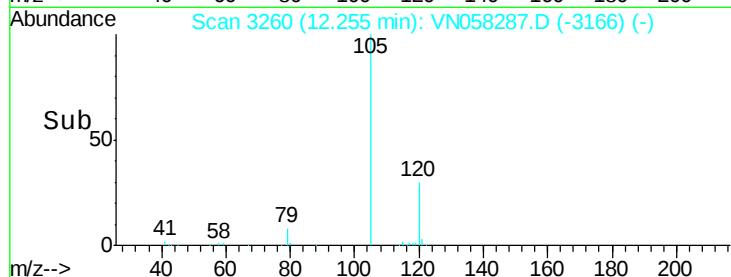
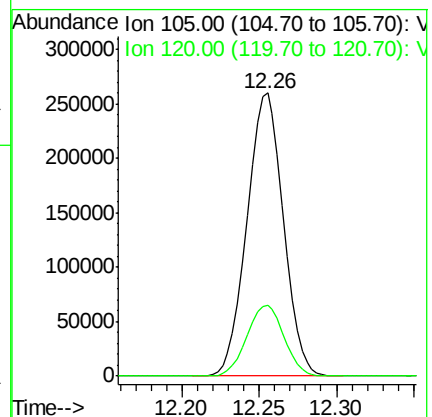
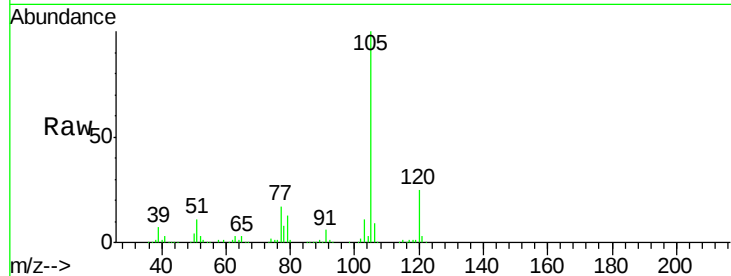
120 25.6 12.8 38.3

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:47:39 AM



#74

N-ethyl acetate

Concen: 22.371 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Tgt Ion: 43 Resp: 188465

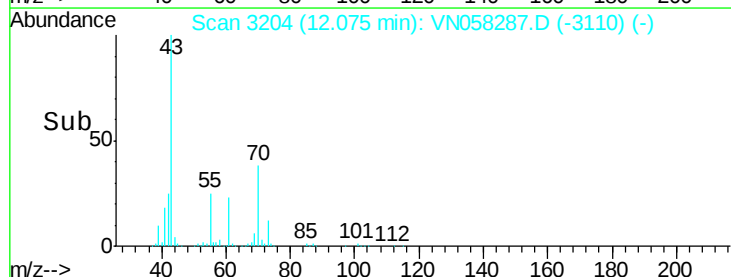
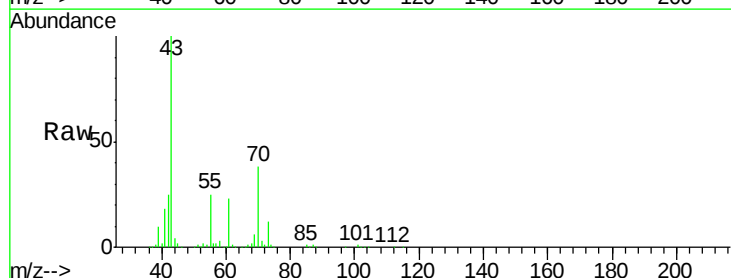
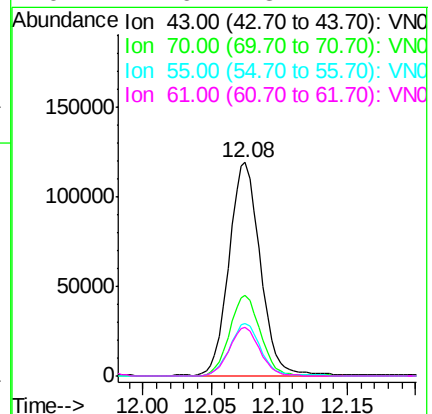
Ion Ratio Lower Upper

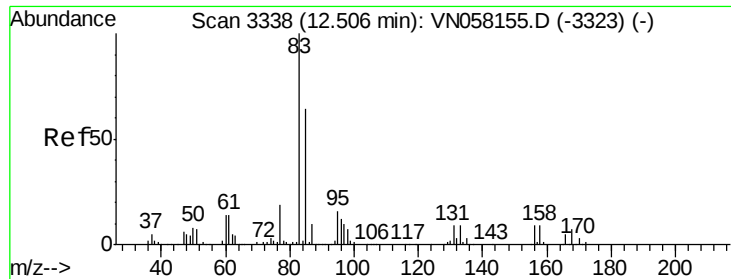
43 100

70 37.7 31.0 46.6

55 24.4 18.5 27.7

61 22.6 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.572 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

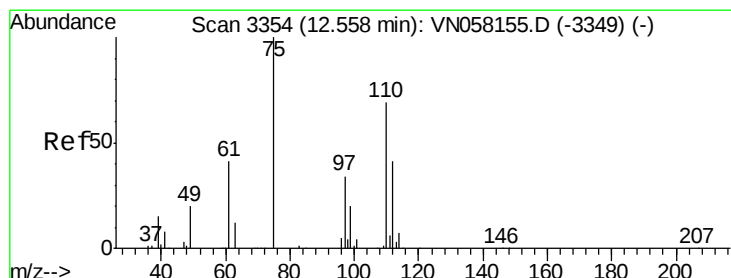
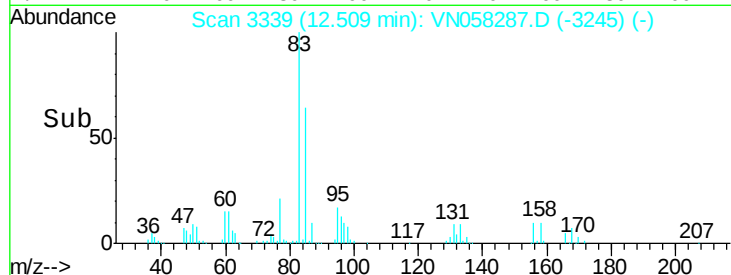
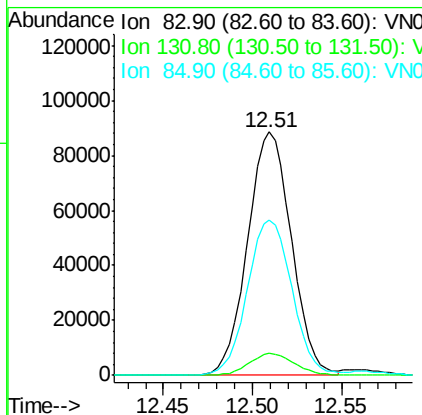
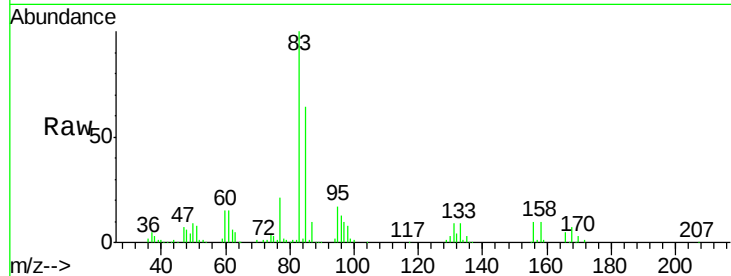
ClientSampleId :

VN0923MBS01

Tot Ion:	83	Resp:	152218
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.8	14.3
85	64.8	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:47:39 AM



#76

1,2,3-Trichloropropane

Concen: 21.987 ug/l m

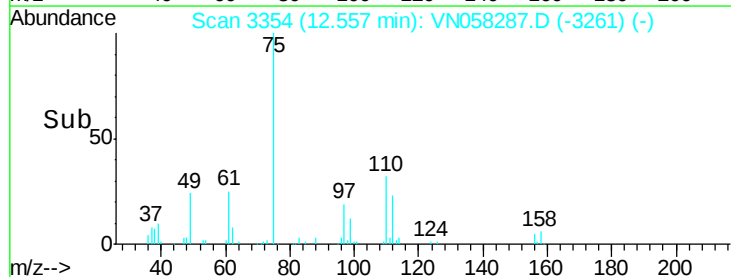
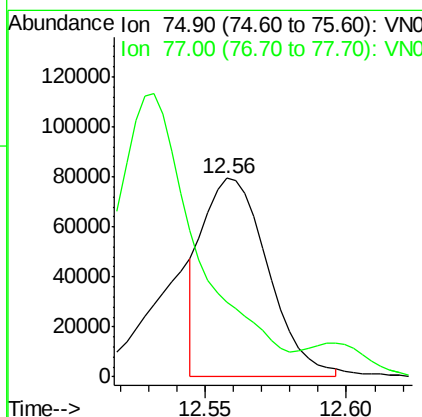
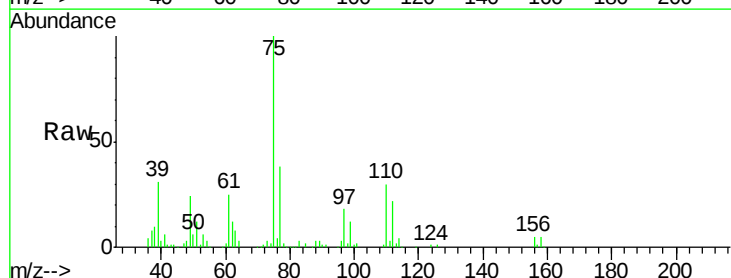
RT: 12.56 min Scan# 3354

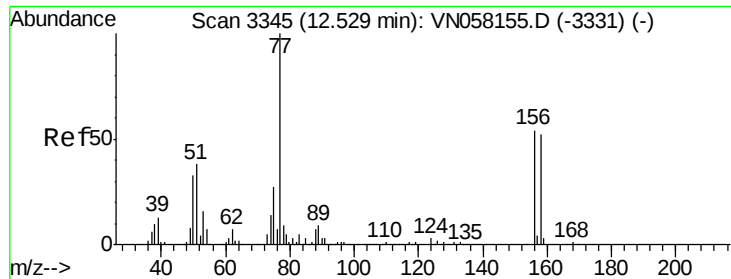
Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Tgt Ion:	75	Resp:	126598
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





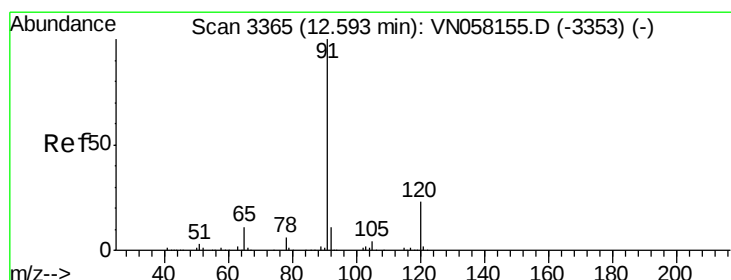
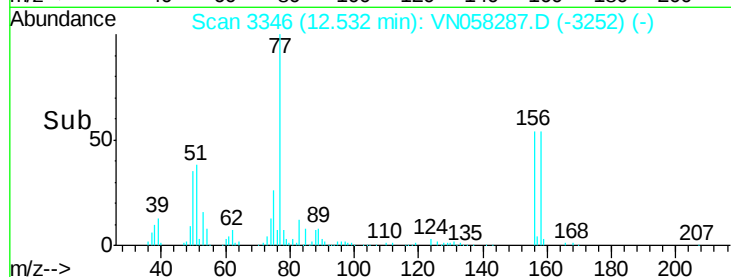
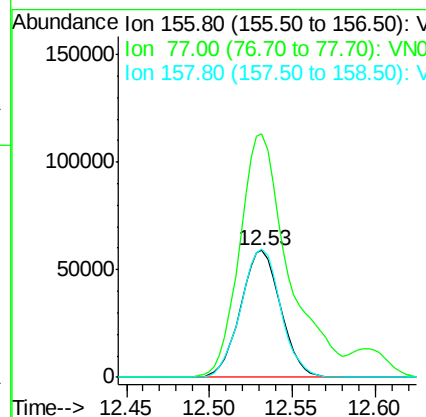
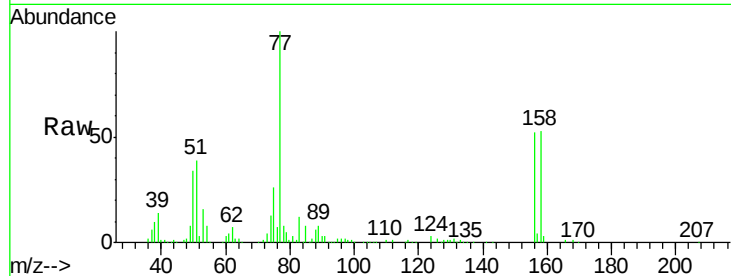
#77
Bromobenzene
Concen: 19.628 ug/l
RT: 12.53 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	232.8	111.7	335.1	
158	100.5	47.9	143.8	

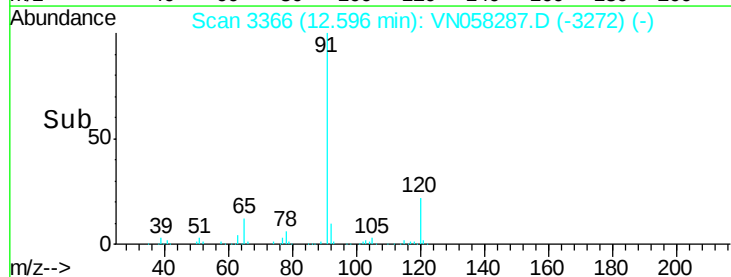
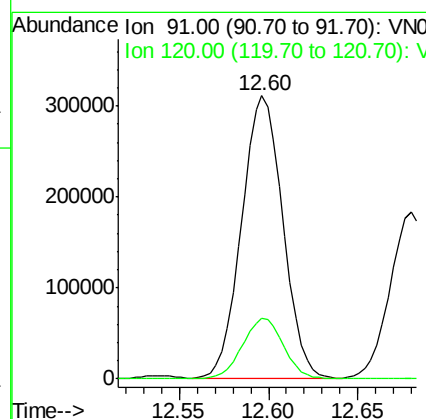
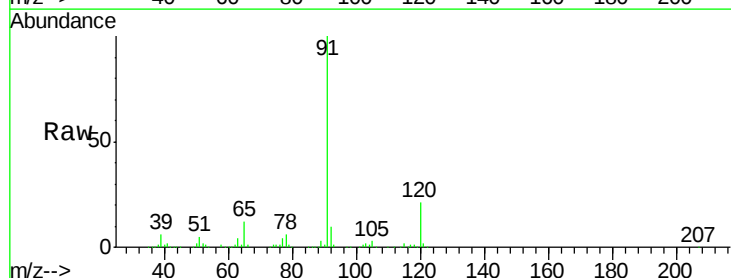
Manual Integrations
APPROVED

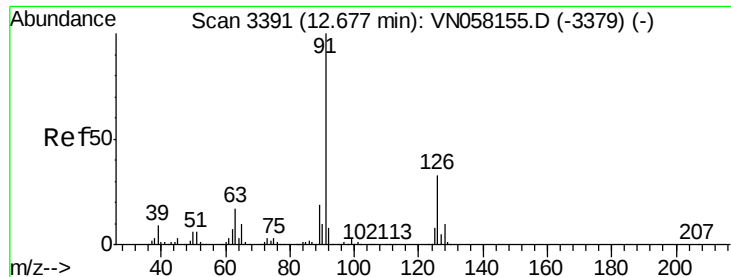
MMDadoda
9/25/2019 12:47:39 AM



#78
n-propylbenzene
Concen: 21.731 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.4	11.1	33.3	





#79

2-Chlorotoluene

Concen: 20.780 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

Tot Ion: 91 Resp: 297191

Ion Ratio Lower Upper

91 100

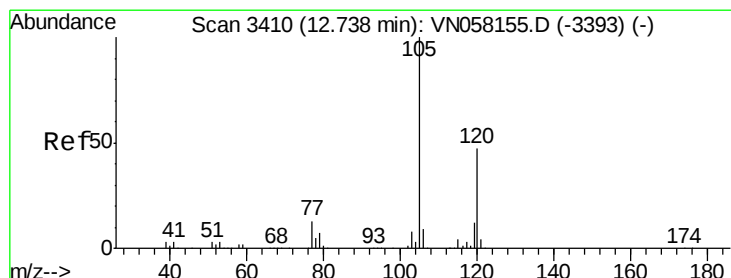
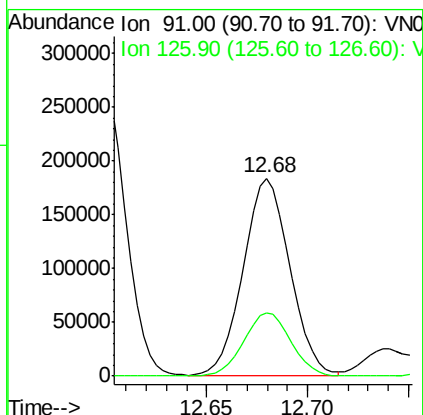
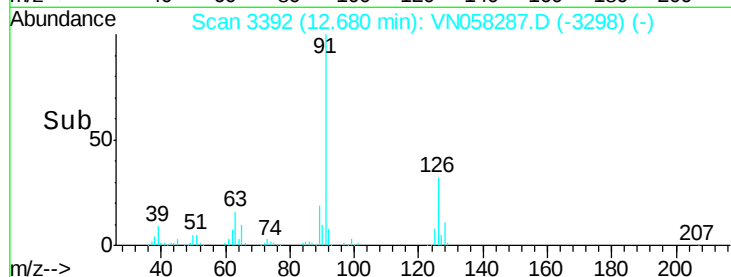
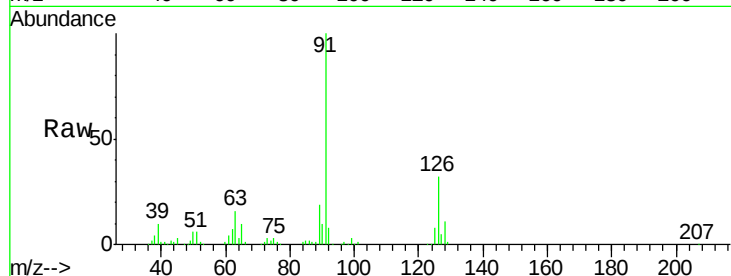
126 32.6 16.4 49.1

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:47:39 AM



#80

1,3,5-Trimethylbenzene

Concen: 21.194 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058287.D

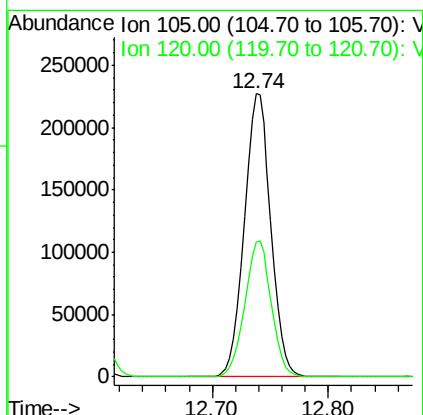
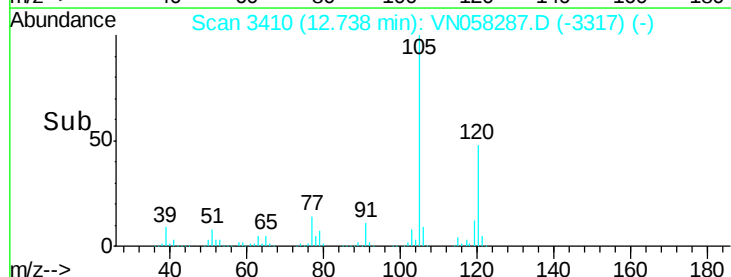
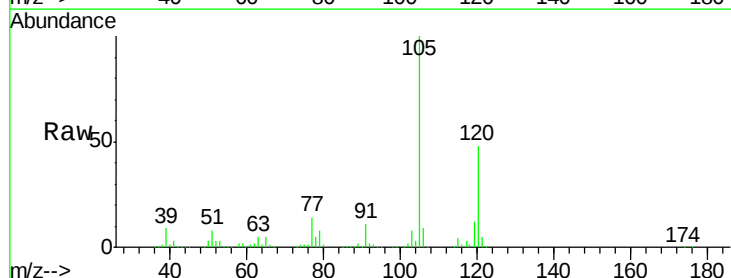
Acq: 23 Sep 2019 13:18

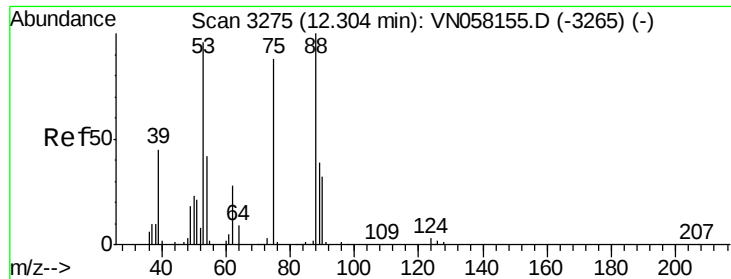
Tgt Ion: 105 Resp: 360911

Ion Ratio Lower Upper

105 100

120 47.8 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.586 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

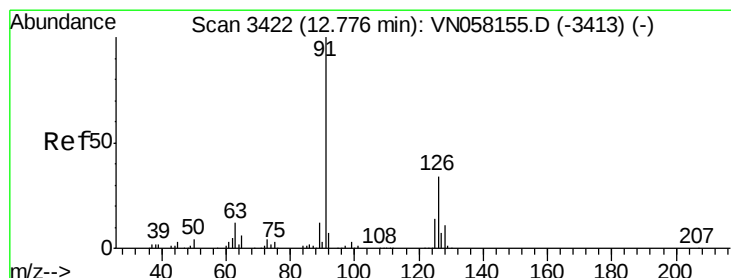
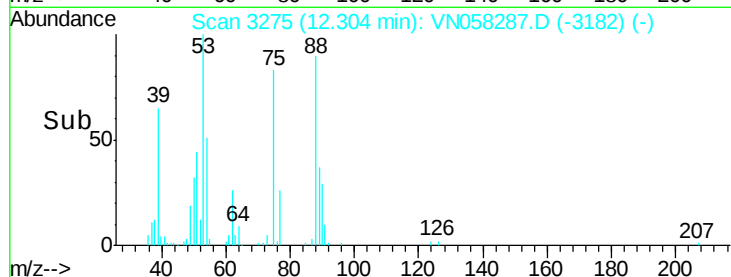
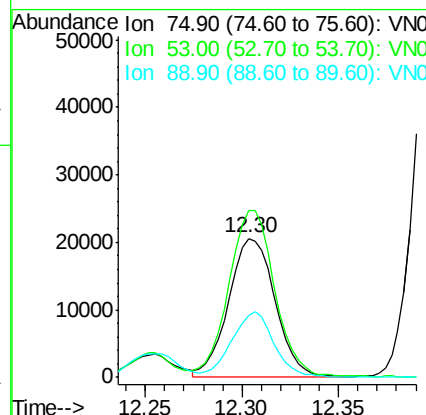
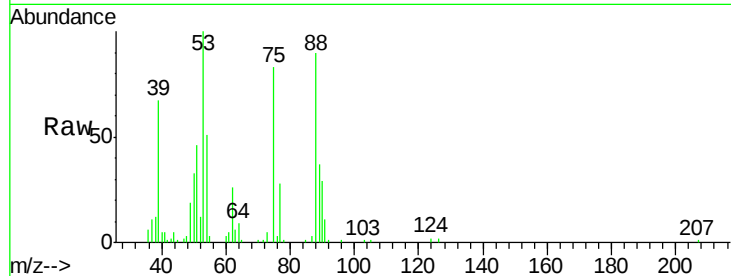
ClientSampleId :

VN0923MBS01

Tot Ion:	75	Resp:	34576
Ion	Ratio	Lower	Upper
75	100		
53	119.4	90.1	135.1
89	42.6	36.2	54.2

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:47:39 AM



#82

4-Chlorotoluene

Concen: 20.629 ug/l

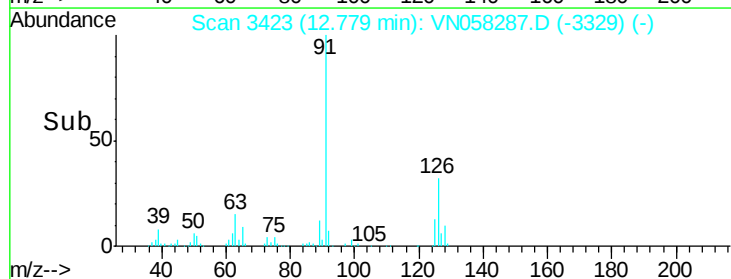
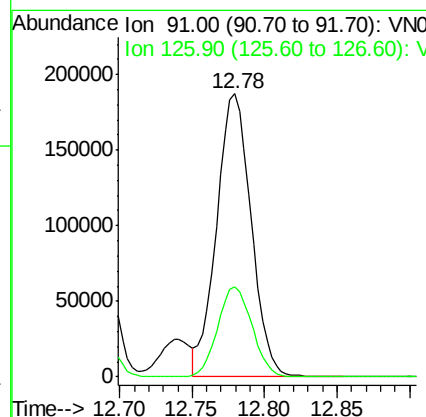
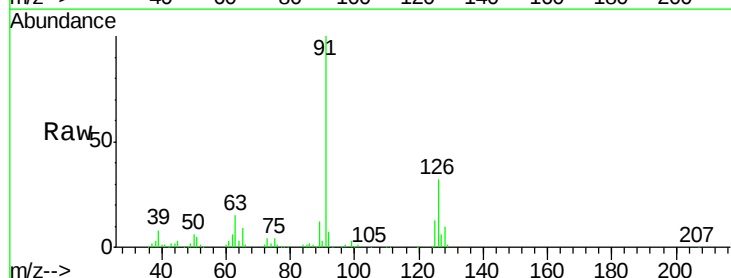
RT: 12.78 min Scan# 3423

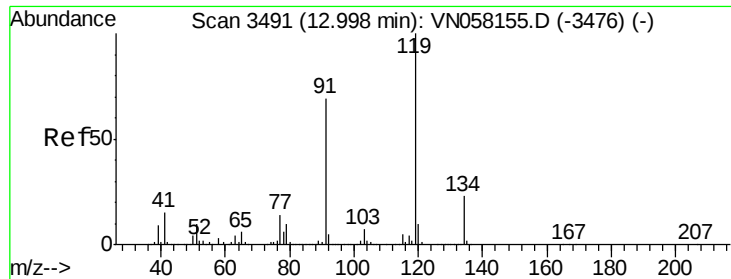
Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Tgt Ion:	91	Resp:	310132
Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1





#83

tert-Butylbenzene

Concen: 21.254 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

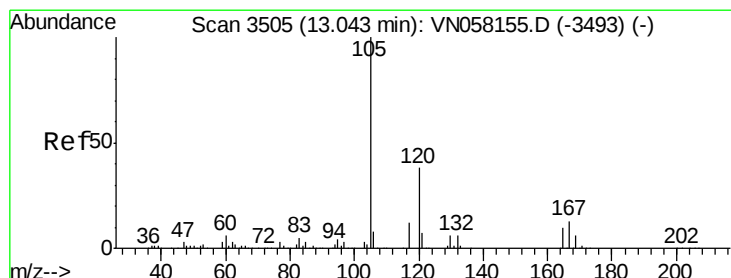
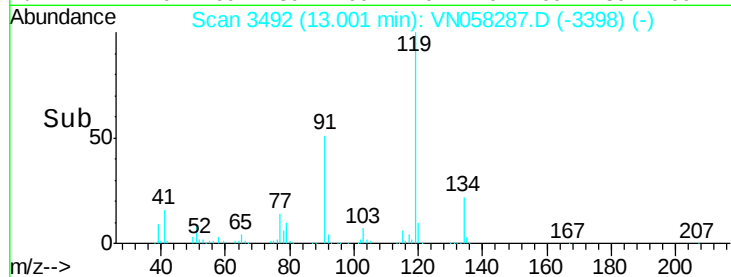
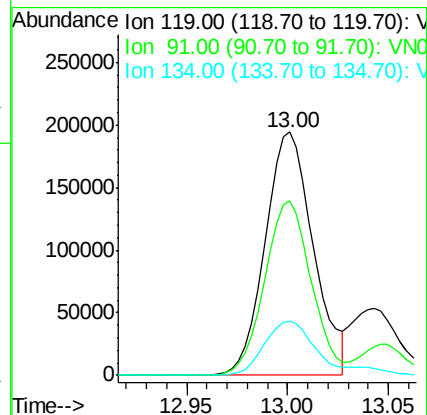
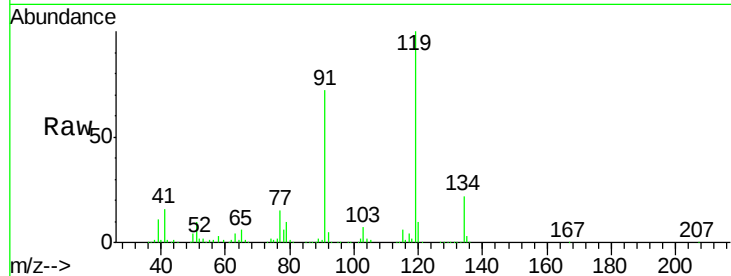
ClientSampled :

VN0923MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.7	33.8	101.3
134	23.1	11.6	34.8

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:47:39 AM



#84

1,2,4-Trimethylbenzene

Concen: 21.625 ug/l

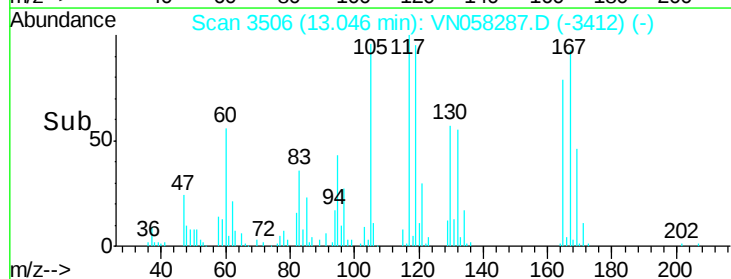
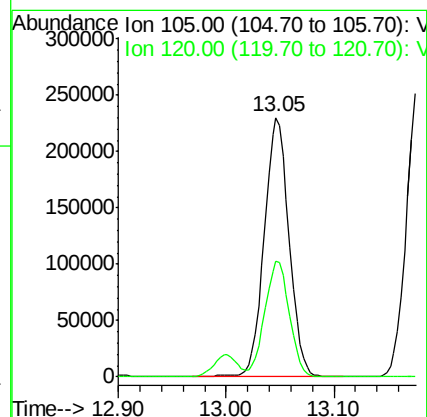
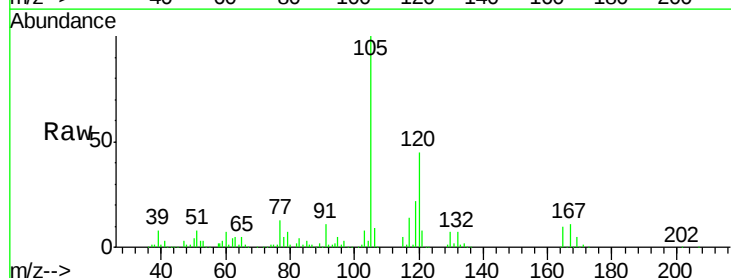
RT: 13.05 min Scan# 3506

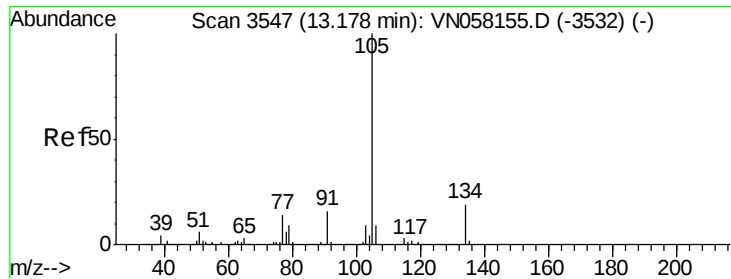
Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.5





#85

sec-Butylbenzene

Concen: 21.435 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

Tot Ion:105 Resp: 425664

Ion Ratio Lower Upper

105 100

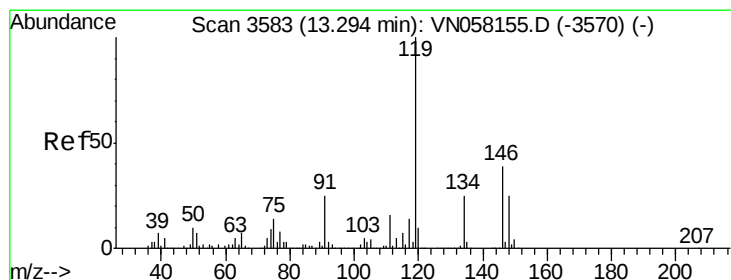
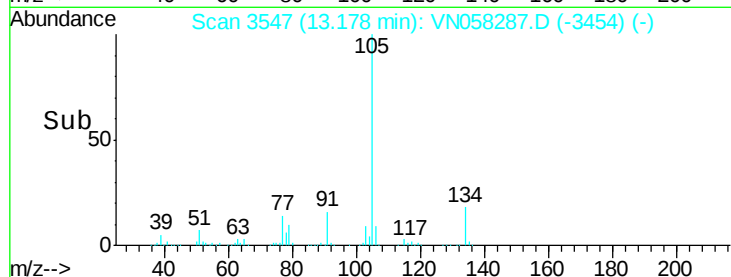
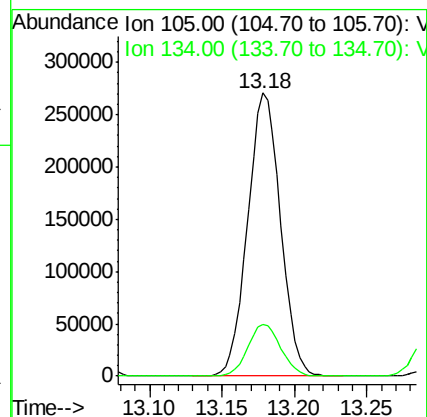
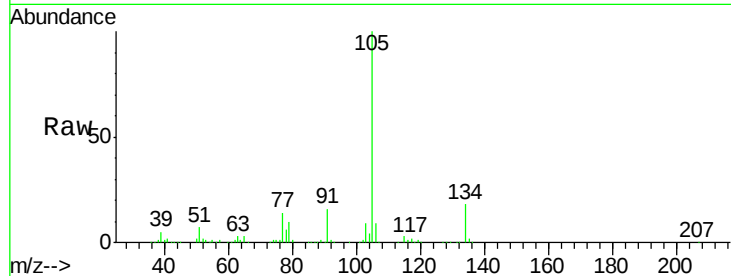
134 18.4 9.5 28.5

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:47:39 AM



#86

p-Isopropyltoluene

Concen: 21.541 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

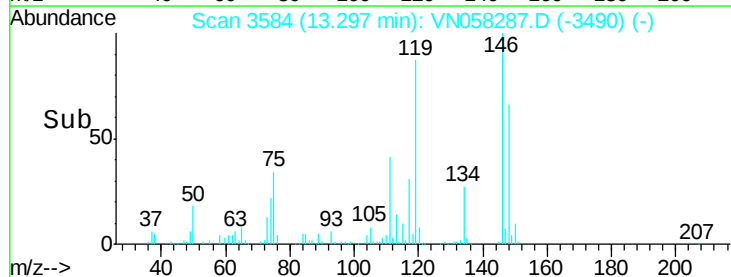
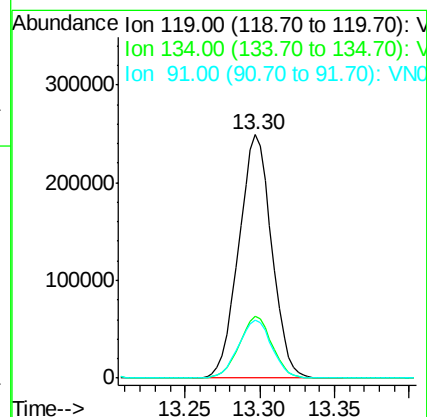
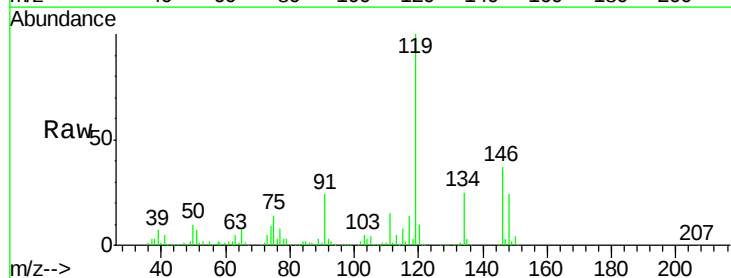
Tgt Ion:119 Resp: 380301

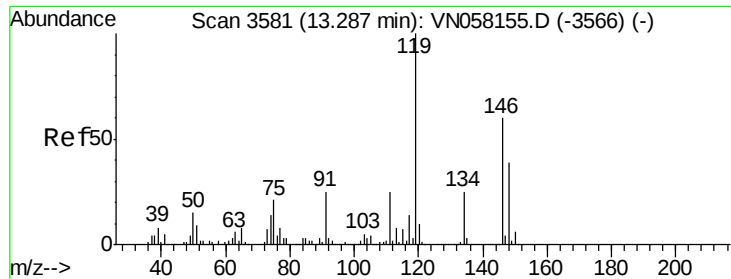
Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.0

91 24.4 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 20.152 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

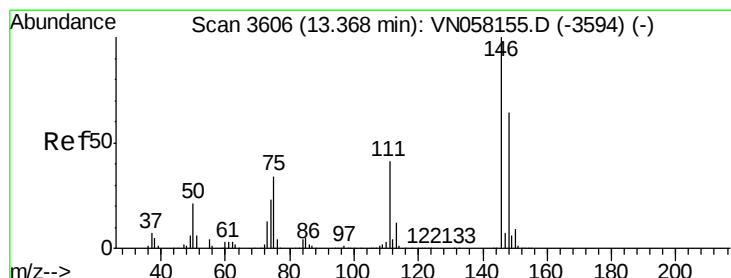
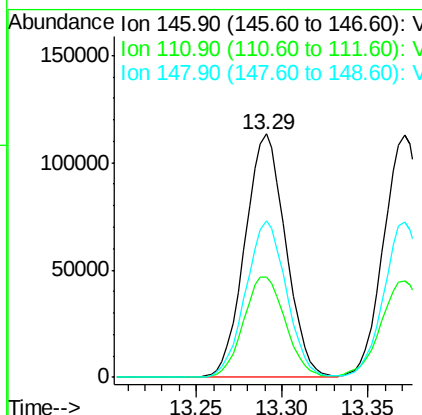
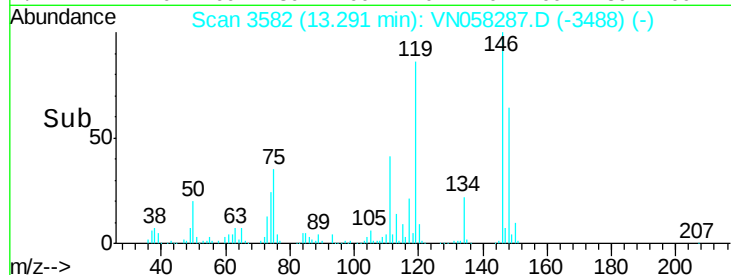
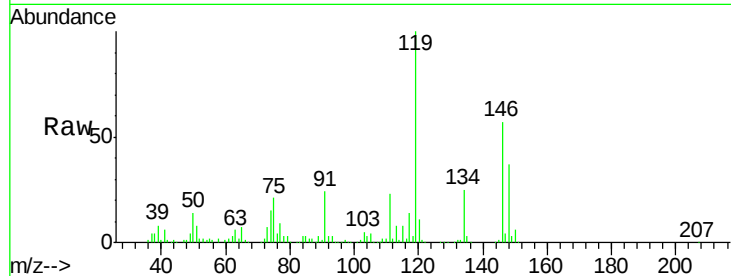
ClientSampled :

VN0923MBS01

Tot Ion:	146	Resp:	186454
Ion Ratio	Lower	Upper	
146	100		
111	42.1	20.9	62.8
148	63.8	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:47:39 AM



#88

1,4-Dichlorobenzene

Concen: 19.955 ug/l

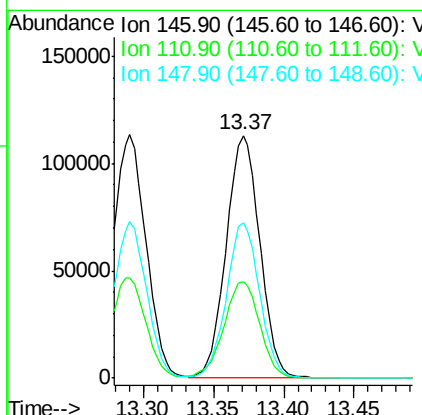
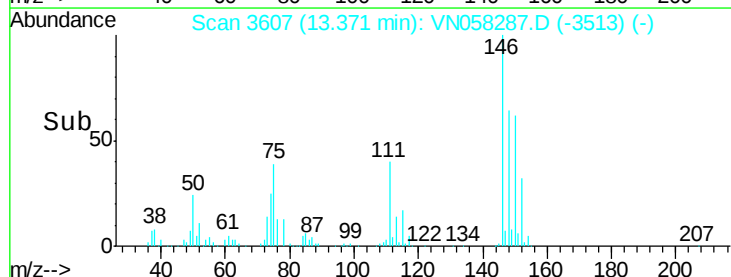
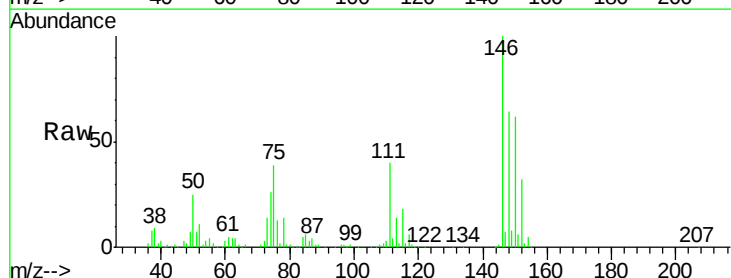
RT: 13.37 min Scan# 3607

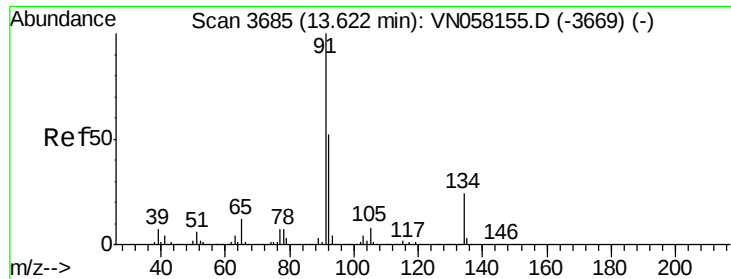
Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Tgt Ion:	146	Resp:	188489
Ion Ratio	Lower	Upper	
146	100		
111	42.7	20.5	61.5
148	63.5	31.9	95.5





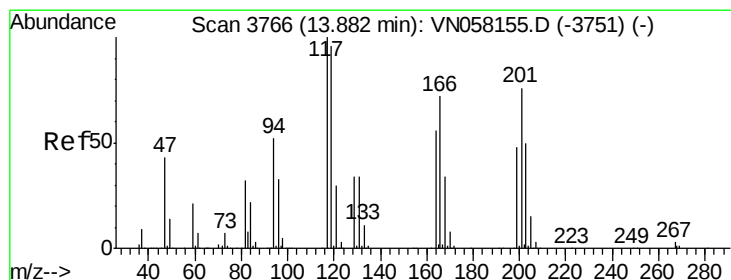
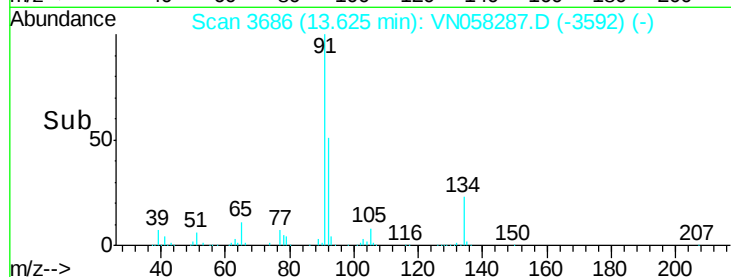
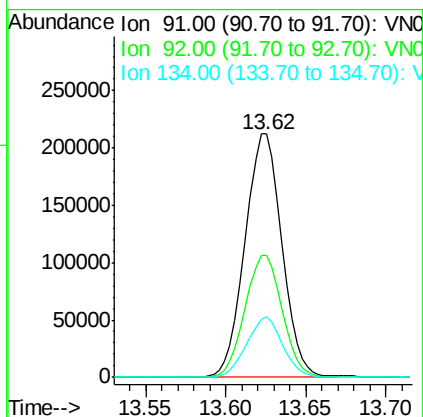
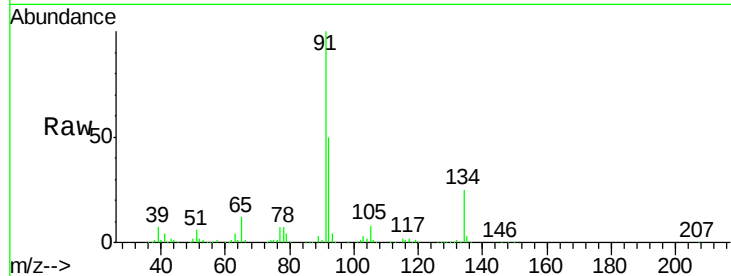
#89
n-Butylbenzene
Concen: 19.991 ug/l
RT: 13.62 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.7	77.0
134	24.2	11.8	35.4

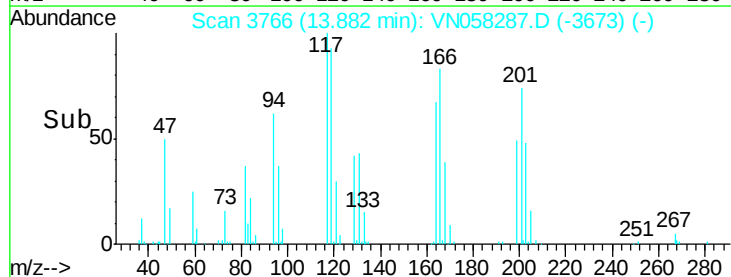
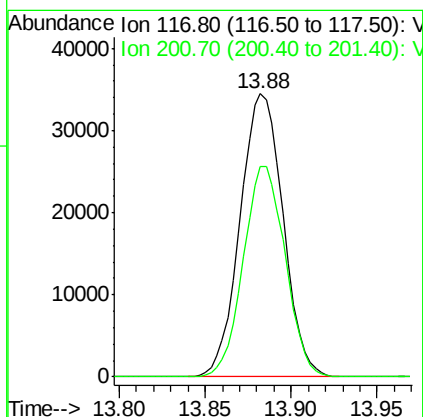
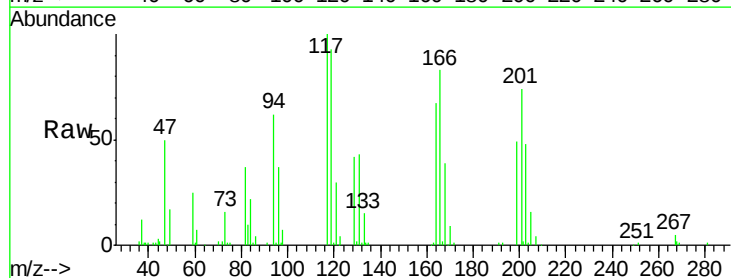
Manual Integrations
APPROVED

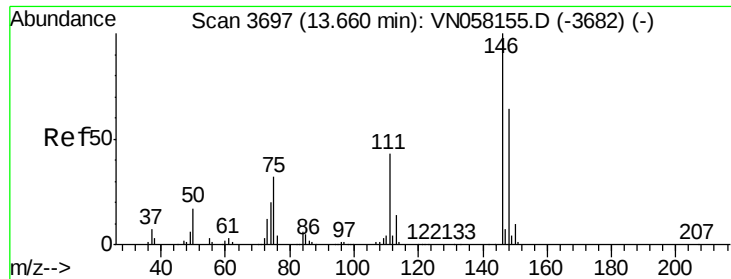
MMDadoda
9/25/2019 12:47:39 AM



#90
Hexachloroethane
Concen: 21.050 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.5	37.5	112.5





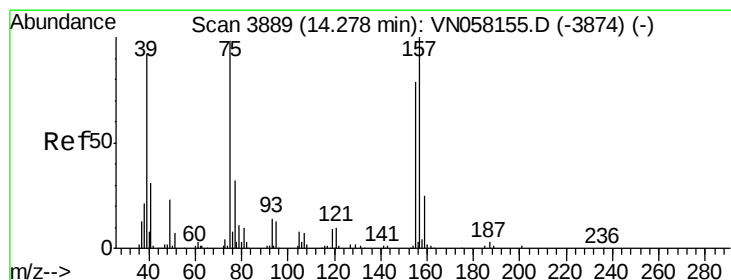
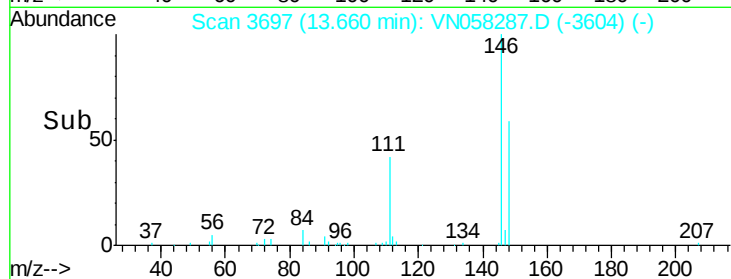
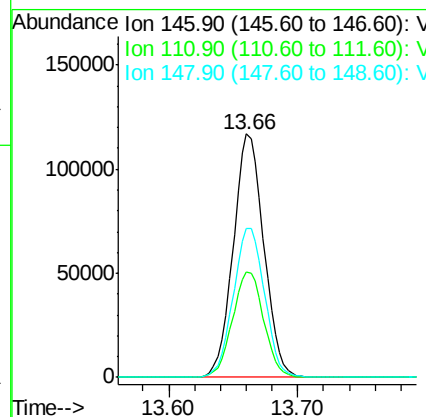
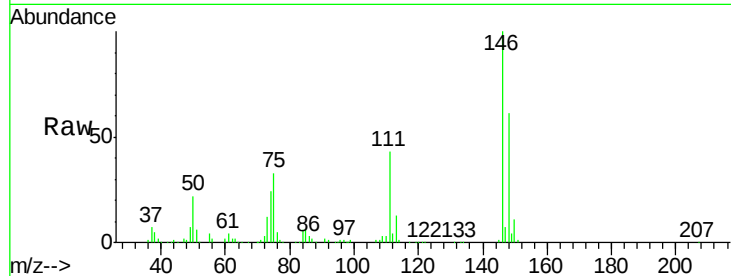
#91
 1,2-Dichlorobenzene
 Concen: 20.710 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.1	63.1
148	62.9	31.8	95.4

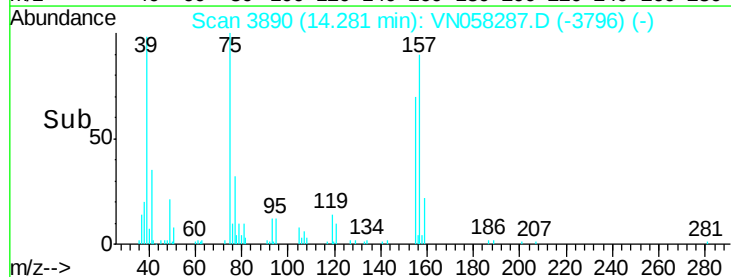
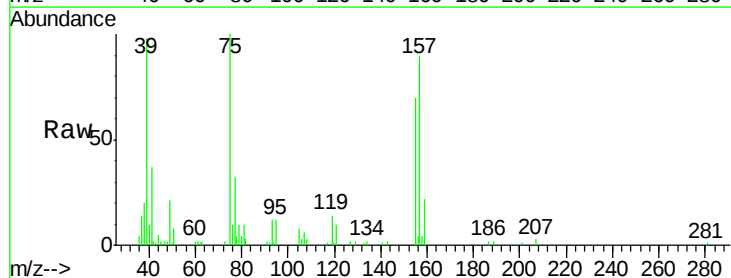
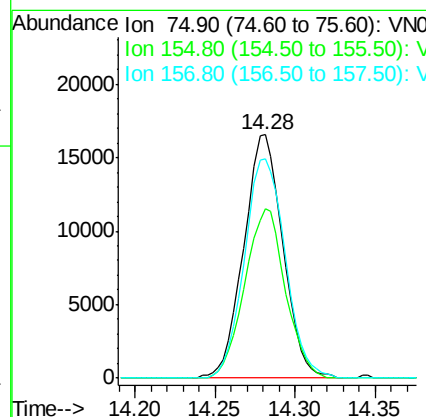
Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.749 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.2	38.3	114.8
157	94.1	48.0	144.0





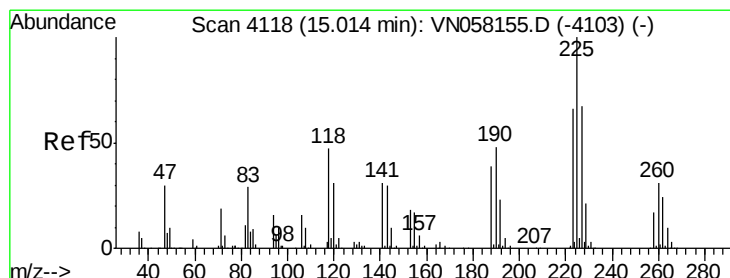
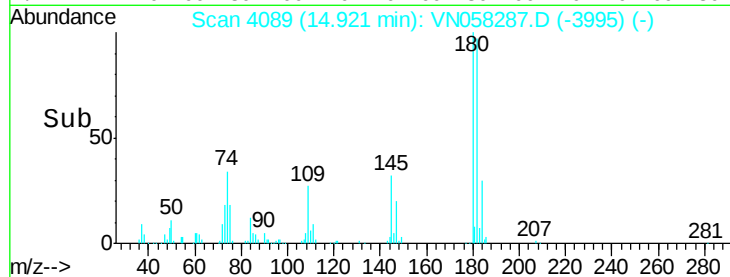
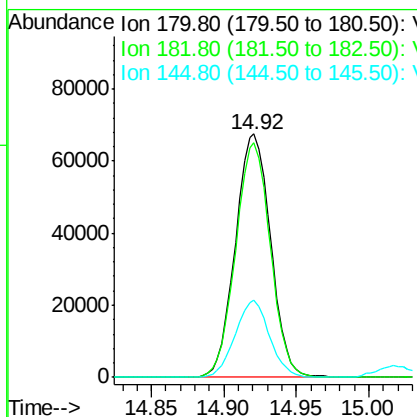
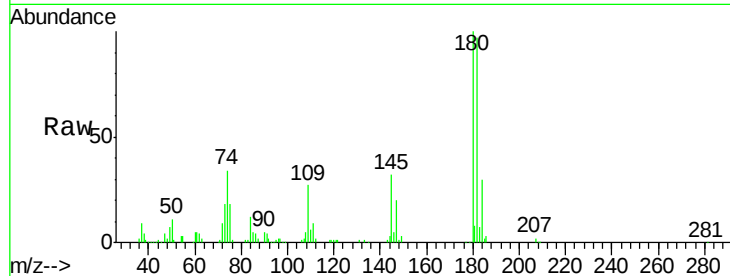
#93
 1,2,4-Trichlorobenzene
 Concen: 19.239 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114086		
182	94.9	47.8	143.3	
145	30.8	15.4	46.4	

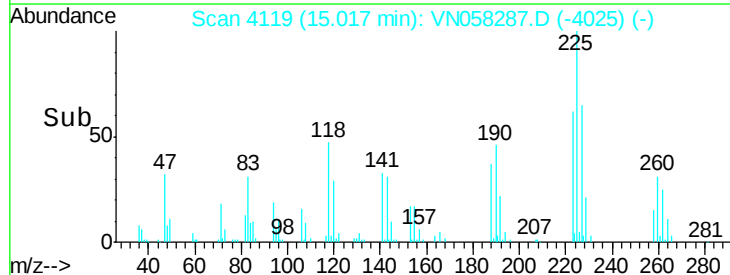
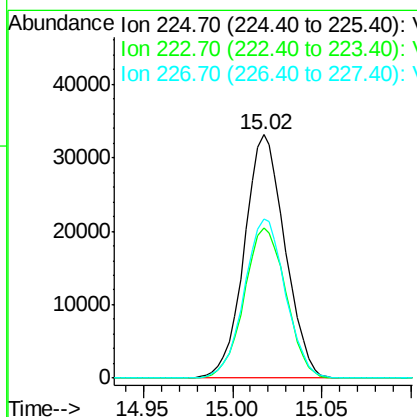
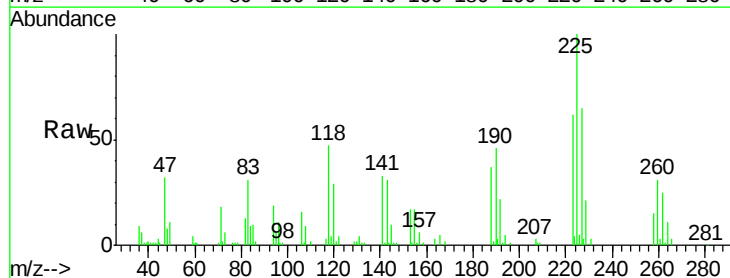
Manual Integrations
 APPROVED

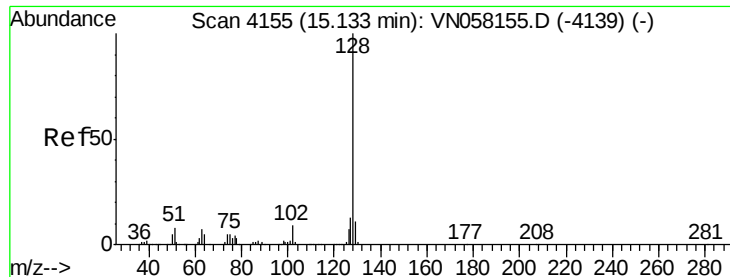
MMDadoda
 9/25/2019 12:47:39 AM



#94
 Hexachlorobutadiene
 Concen: 18.420 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52795		
223	63.2	32.6	97.7	
227	66.3	33.0	99.0	





#95

Naphthalene

Concen: 21.225 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

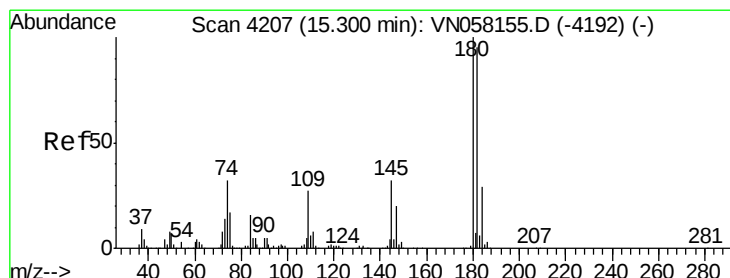
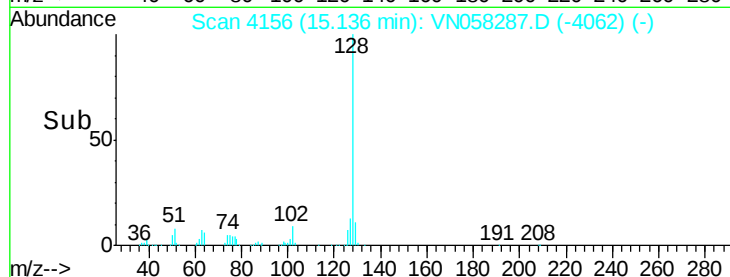
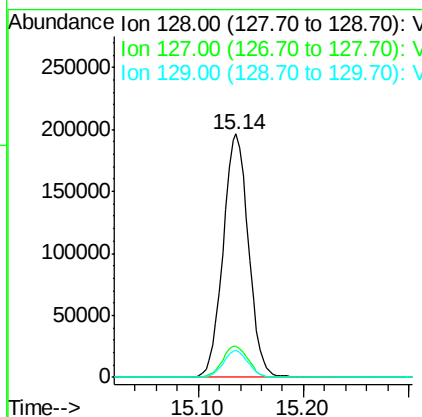
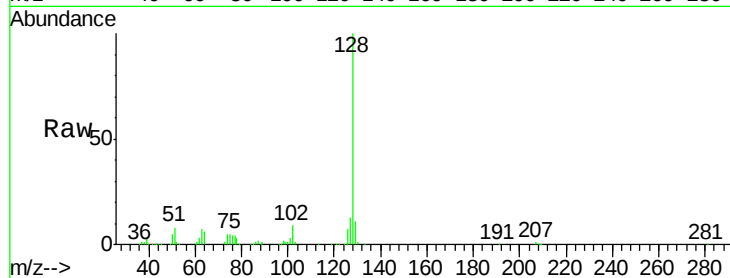
ClientSampleId :

VN0923MBS01

Tot Ion:	128	Resp:	326186
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:47:39 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.505 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Tgt Ion:	180	Resp:	109319
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.4	142.2
145	31.9	16.1	48.2

