

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058812.D
 Acq On : 16 Oct 2019 19:08
 Operator : JC/SP
 Sample : K5399-03MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MSD

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:51:30 AM

Quant Time: Oct 17 07:40:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	370861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	595301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	550561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270567	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	287353	55.35	ug/l	0.00
Spiked Amount			Recovery	=	110.70%	
35) Dibromofluoromethane	7.57	113	205350	55.85	ug/l	0.00
Spiked Amount			Recovery	=	111.70%	
50) Toluene-d8	10.08	98	787307	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.40	95	292107	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	239825	51.923	ug/l	100
3) Chloromethane	2.04	50	278081	50.630	ug/l	99
4) Vinyl Chloride	2.17	62	286461	52.367	ug/l	99
5) Bromomethane	2.54	94	171975	51.679	ug/l	100
6) Chloroethane	2.68	64	181999	53.939	ug/l	98
7) Trichlorofluoromethane	3.00	101	349998	53.461	ug/l	99
8) Diethyl Ether	3.39	74	124915	51.641	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	190234	50.962	ug/l	99
10) Methyl Iodide	3.93	142	258823	50.810	ug/l	99
11) Tert butyl alcohol	4.76	59	219035	260.492	ug/l	99
12) 1,1-Dichloroethene	3.72	96	183809	51.609	ug/l	96
13) Acrolein	3.58	56	116428	172.165	ug/l	99
14) Allyl chloride	4.30	41	368700	51.297	ug/l	100
15) Acrylonitrile	4.96	53	588718	277.632	ug/l	100
16) Acetone	3.80	43	520318	242.070	ug/l	100
17) Carbon Disulfide	4.03	76	551182	48.414	ug/l	100
18) Methyl Acetate	4.30	43	288313	52.879	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	690137	54.265	ug/l	96
20) Methylene Chloride	4.53	84	222431	49.514	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	206176	51.752	ug/l	97
22) Diisopropyl ether	5.93	45	768957	55.024	ug/l	98
23) Vinyl Acetate	5.87	43	3147887	279.157	ug/l	100
24) 1,1-Dichloroethane	5.82	63	423699	53.234	ug/l	100
25) 2-Butanone	6.81	43	820329	264.042	ug/l	99
26) 2,2-Dichloropropane	6.80	77	333572	45.912	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	238777	51.397	ug/l	99
28) Bromochloromethane	7.18	49	151200	54.606	ug/l	98
29) Tetrahydrofuran	7.19	42	547900	272.896	ug/l	99
30) Chloroform	7.35	83	419386	52.445	ug/l	99
31) Cyclohexane	7.64	56	368436	48.380	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	361830	53.056	ug/l	98
36) 1,1-Dichloropropene	7.78	75	313581	52.099	ug/l	99
37) Ethyl Acetate	6.91	43	376645	61.876	ug/l	98
38) Carbon Tetrachloride	7.76	117	317482	54.122	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058812.D
 Acq On : 16 Oct 2019 19:08
 Operator : JC/SP
 Sample : K5399-03MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MSD

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:51:30 AM

Quant Time: Oct 17 07:40:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	348380	49.881	ug/l	97
40) Benzene	8.03	78	916981	53.047	ug/l	99
41) Methacrylonitrile	7.15	41	165255	57.996	ug/l #	25
42) 1,2-Dichloroethane	8.11	62	351830	52.977	ug/l	100
43) Isopropyl Acetate	8.15	43	553991	53.424	ug/l	99
44) Trichloroethene	8.82	130	225302	52.485	ug/l	99
45) 1,2-Dichloropropane	9.11	63	250990	54.238	ug/l	99
46) Dibromomethane	9.20	93	158338	53.968	ug/l	100
47) Bromodichloromethane	9.39	83	331927	55.558	ug/l	99
48) Methyl methacrylate	9.19	41	262197	55.781	ug/l	99
49) 1,4-Dioxane	9.19	88	85298	1172.983	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1741250	298.991	ug/l	99
52) Toluene	10.15	92	560455	53.010	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	368428	53.767	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	384774	52.887	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	224846	51.960	ug/l	99
56) Ethyl methacrylate	10.43	69	356667	56.418	ug/l	99
57) 1,3-Dichloropropane	10.71	76	399575	54.187	ug/l	99
59) 2-Hexanone	10.75	43	1292055	287.084	ug/l	100
60) Dibromochloromethane	10.90	129	246283	55.172	ug/l	98
61) 1,2-Dibromoethane	11.00	107	233143	53.779	ug/l	100
64) Tetrachloroethene	10.63	164	190942	49.557	ug/l	95
65) Chlorobenzene	11.43	112	590729	52.835	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	226292	54.734	ug/l	99
67) Ethyl Benzene	11.51	91	1092770	54.829	ug/l	100
68) m/p-Xylenes	11.62	106	810656	108.385	ug/l	99
69) o-Xylene	11.95	106	386894	53.464	ug/l	100
70) Stvrene	11.97	104	646222	54.485	ug/l	99
71) Bromoform	12.13	173	176490	58.239	ug/l #	100
73) Isopropylbenzene	12.25	105	1064262	54.313	ug/l	100
74) N-amyl acetate	12.07	43	476905	54.188	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	351851	54.506	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	323524m	54.506	ug/l	
77) Bromobenzene	12.53	156	250216	52.498	ug/l	100
78) n-propylbenzene	12.60	91	1261182	55.234	ug/l	99
79) 2-Chlorotoluene	12.68	91	740439	52.246	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	904583	54.072	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	119772	54.052	ug/l	98
82) 4-Chlorotoluene	12.78	91	773143	53.163	ug/l	100
83) tert-Butylbenzene	13.00	119	769367	53.684	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	913811	55.024	ug/l	100
85) sec-Butylbenzene	13.18	105	1038871	55.013	ug/l	99
86) p-Isopropyltoluene	13.29	119	935842	54.527	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	453072	51.545	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	453089	50.699	ug/l	100
89) n-Butylbenzene	13.62	91	833438	52.517	ug/l	99
90) Hexachloroethane	13.88	117	170768	55.607	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	449400	52.458	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75859	50.302	ug/l	97
93) 1,2,4-Trichlorobenzene	14.92	180	258033	49.376	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
Data File : VN058812.D
Acq On : 16 Oct 2019 19:08
Operator : JC/SP
Sample : K5399-03MSD
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

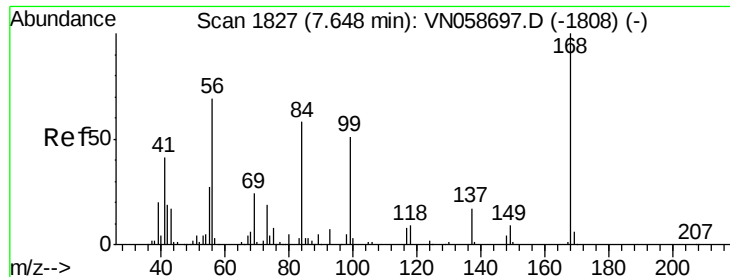
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:30 AM

Quant Time: Oct 17 07:40:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	134100	48.728	ug/l	99
95) Naphthalene	15.13	128	761024	50.670	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	255652	50.107	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

Tot Ion:168 Resp: 370861

Ion Ratio Lower Upper

168 100

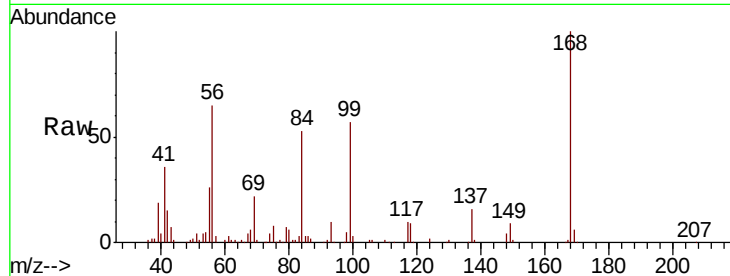
99 57.0 47.5 71.3

Manual Integrations

APPROVED

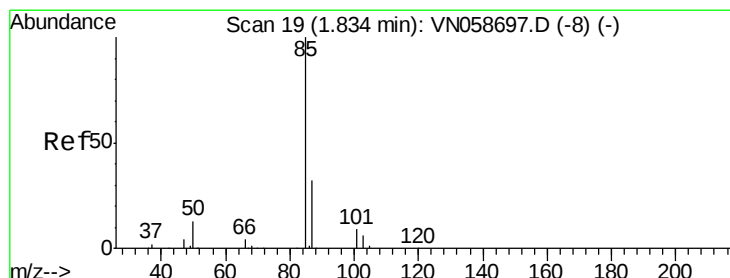
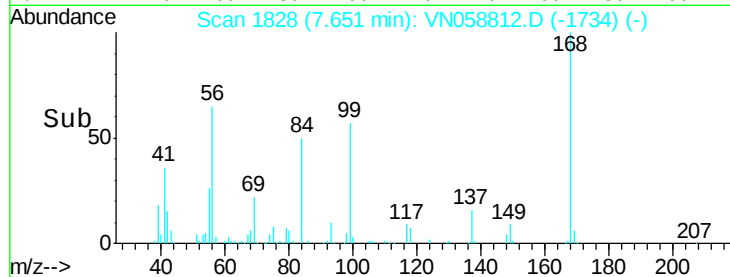
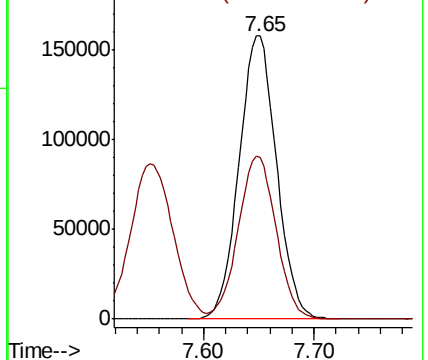
MMDadoda

10/18/2019 12:51:30 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 51.923 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058812.D

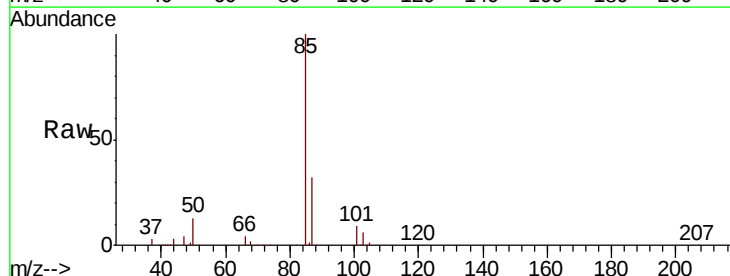
Acq: 16 Oct 2019 19:08

Tgt Ion: 85 Resp: 239825

Ion Ratio Lower Upper

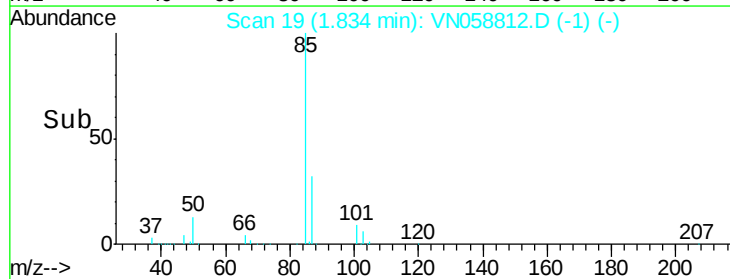
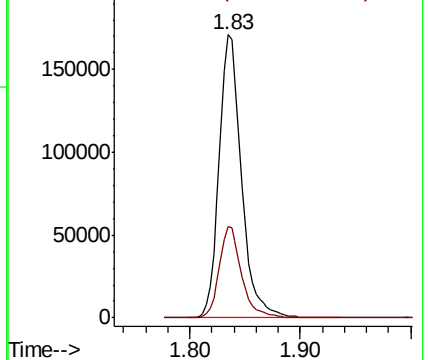
85 100

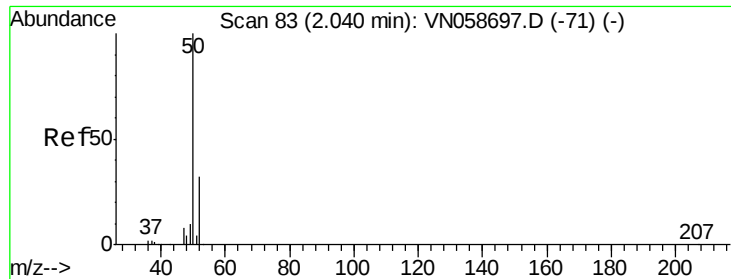
87 32.1 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 50.630 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

Tot Ion: 50 Resp: 278081

Ion Ratio Lower Upper

50 100

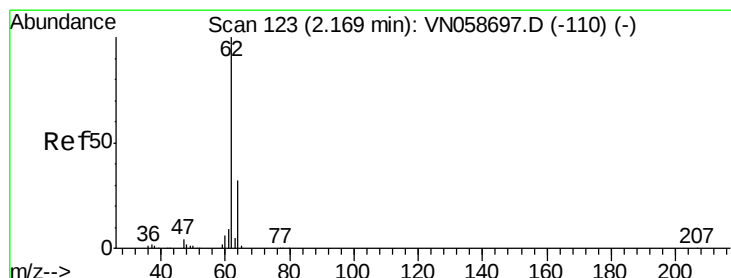
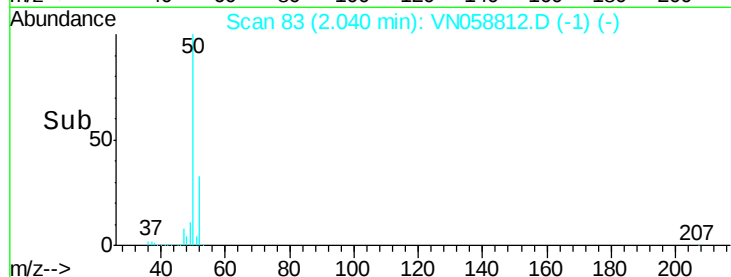
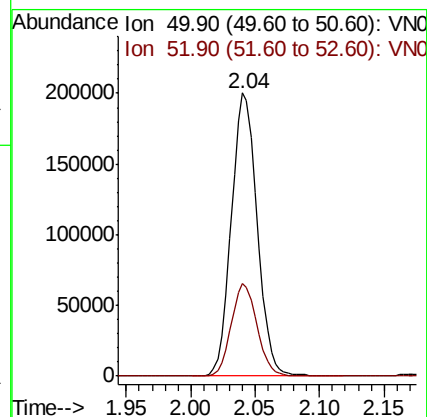
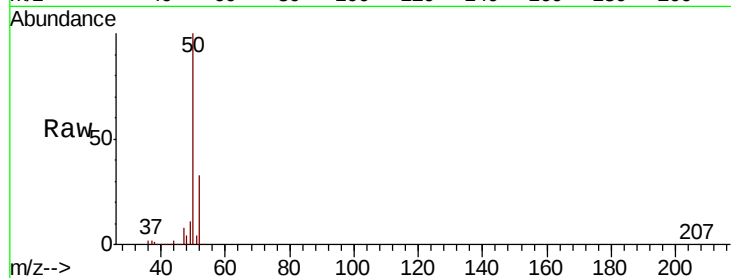
52 32.6 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:30 AM



#4

Vinyl Chloride

Concen: 52.367 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058812.D

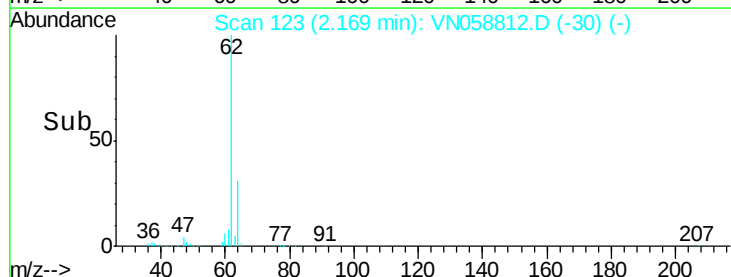
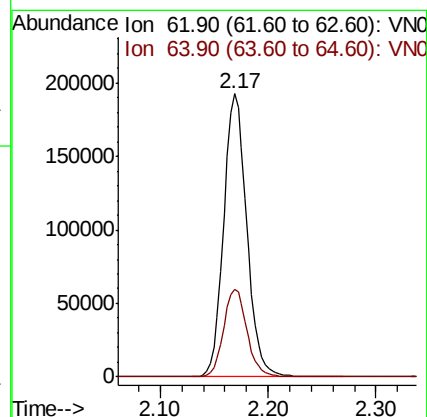
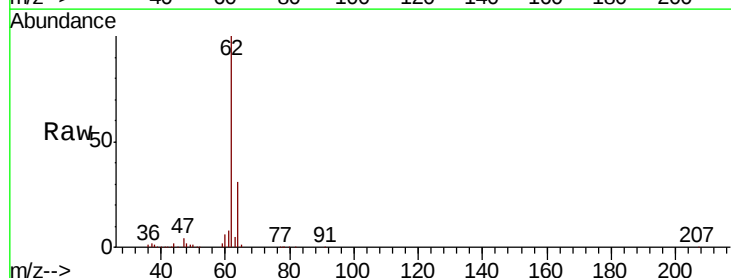
Acq: 16 Oct 2019 19:08

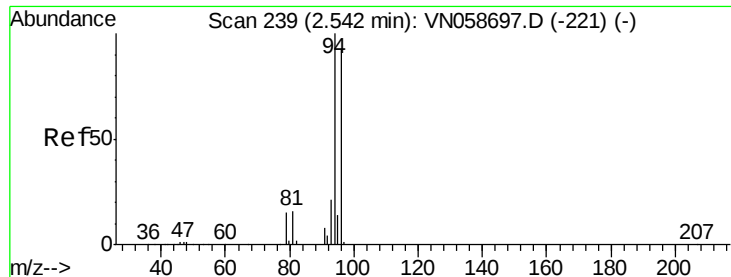
Tgt Ion: 62 Resp: 286461

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 51.679 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

Tot Ion: 94 Resp: 171975

Ion Ratio Lower Upper

94 100

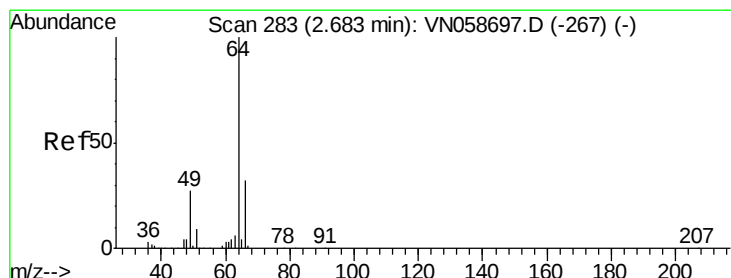
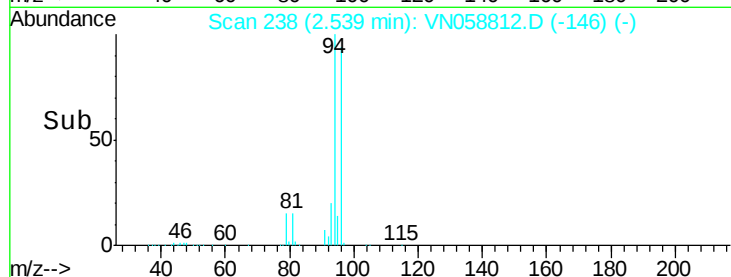
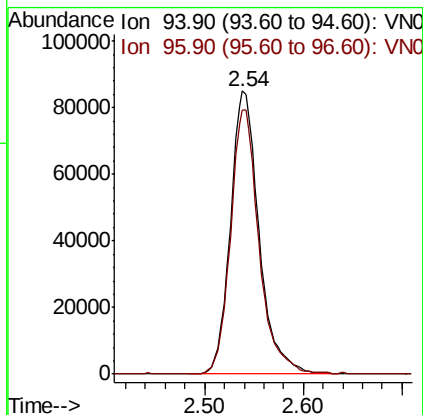
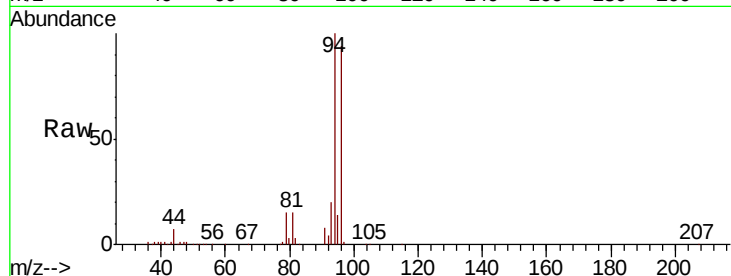
96 93.5 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:30 AM



#6

Chloroethane

Concen: 53.939 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058812.D

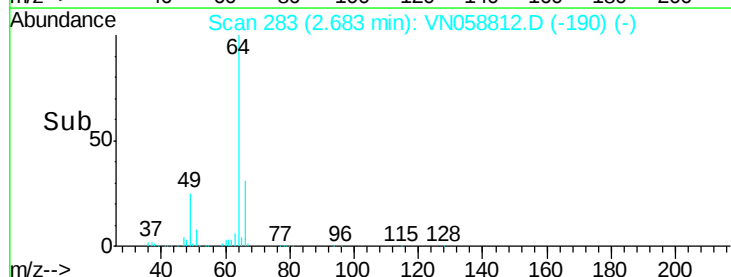
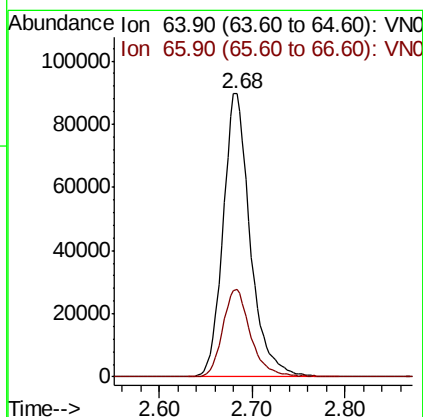
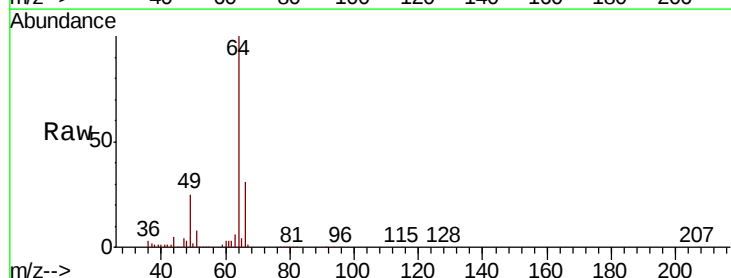
Acq: 16 Oct 2019 19:08

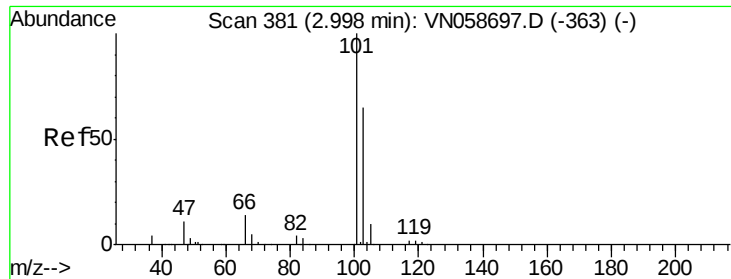
Tgt Ion: 64 Resp: 181999

Ion Ratio Lower Upper

64 100

66 30.8 25.4 38.2





#7

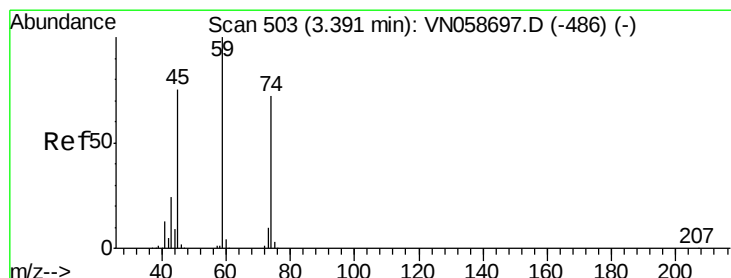
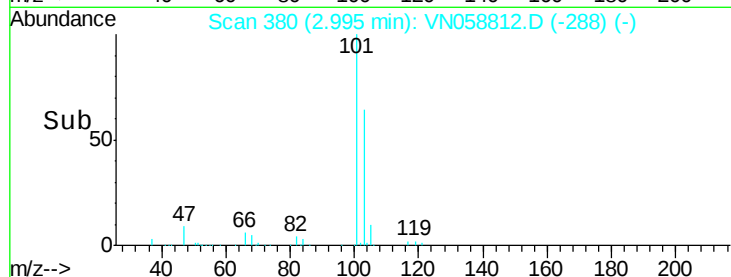
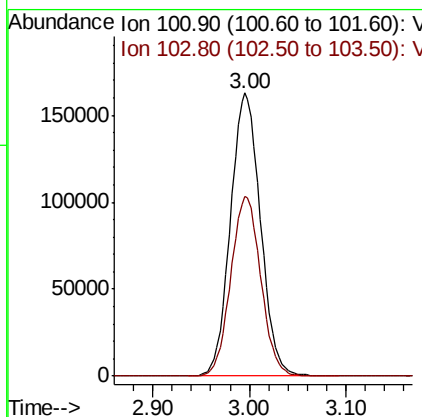
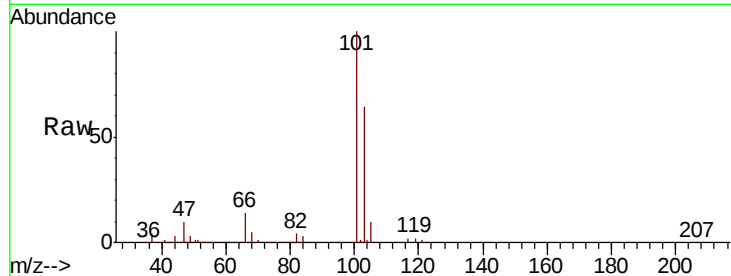
Trichlorofluoromethane
Concen: 53.461 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	349998		
103	63.5	51.8	77.6	

Manual Integrations
APPROVED

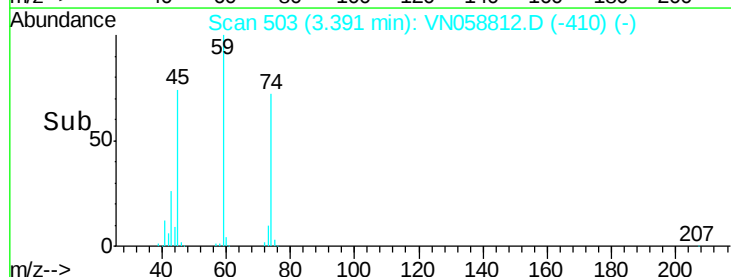
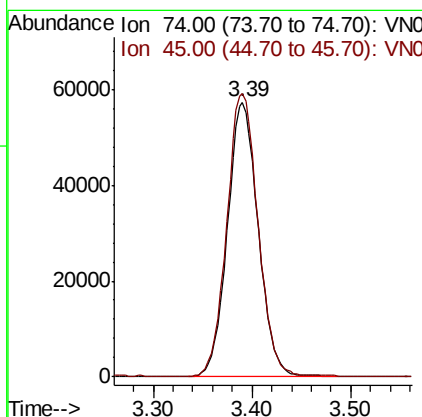
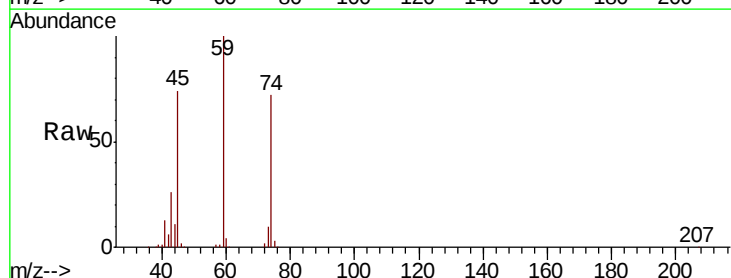
MMDadoda
10/18/2019 12:51:30 AM

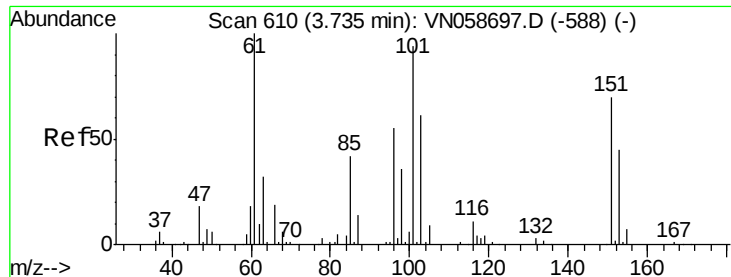


#8

Diethyl Ether
Concen: 51.641 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	124915		
45	105.0	51.3	154.0	





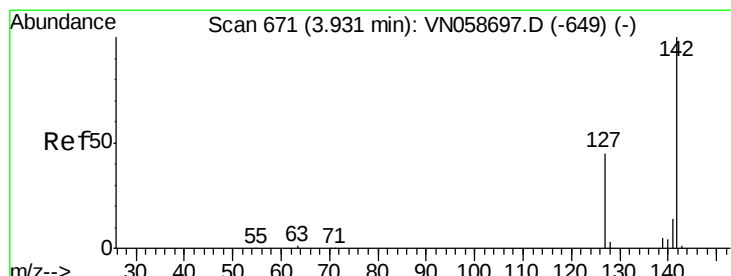
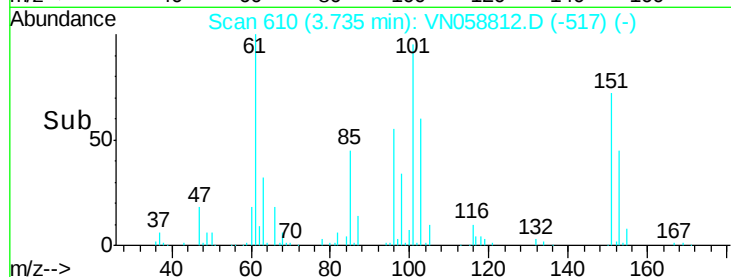
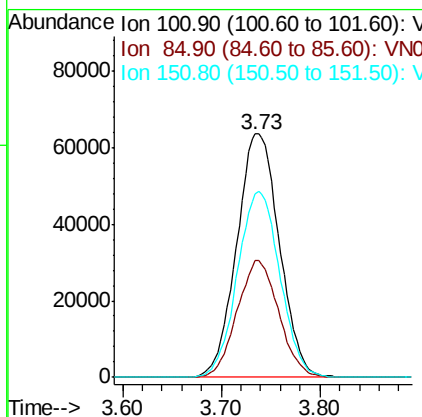
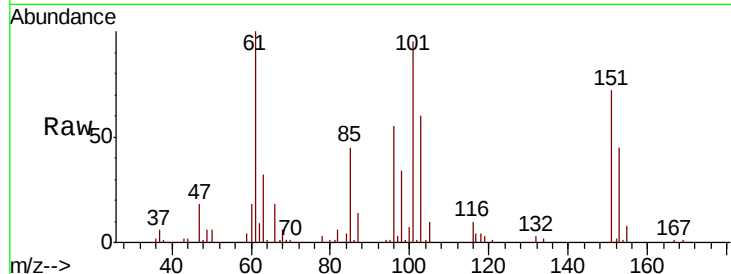
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.962 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	190234		
85	46.9	37.0	55.6	
151	76.1	61.8	92.6	

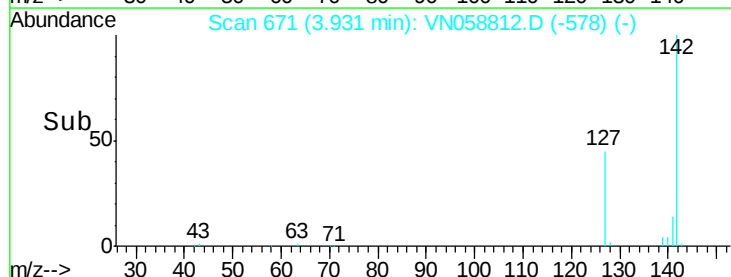
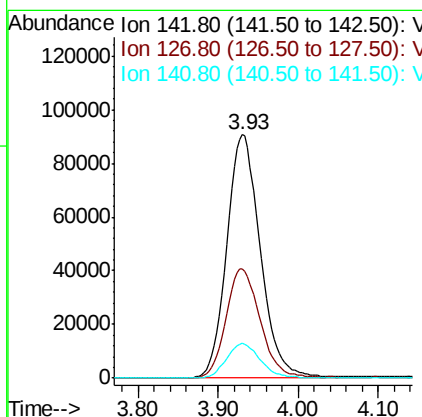
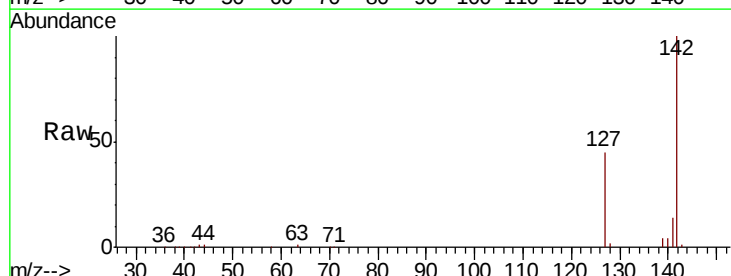
Manual Integrations
 APPROVED

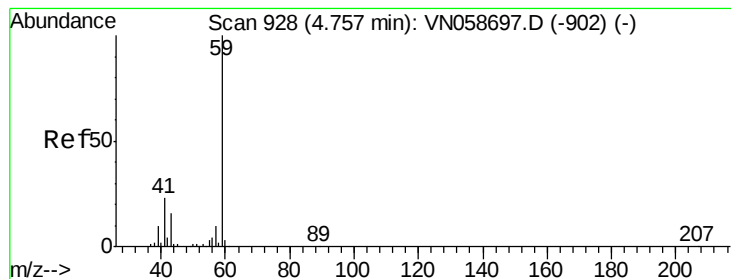
MMDadoda
 10/18/2019 12:51:30 AM



#10
 Methyl Iodide
 Concen: 50.810 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	258823		
127	45.8	36.4	54.6	
141	14.2	11.1	16.7	





#11

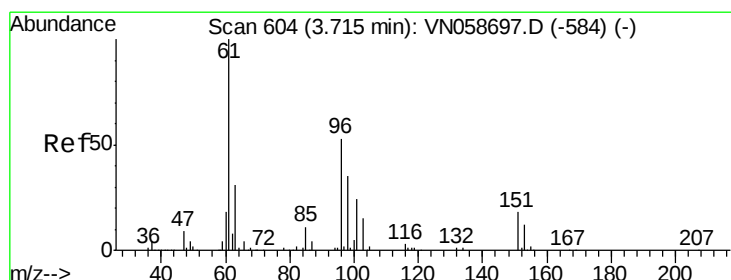
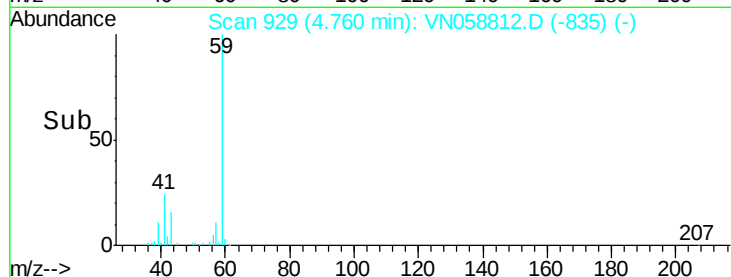
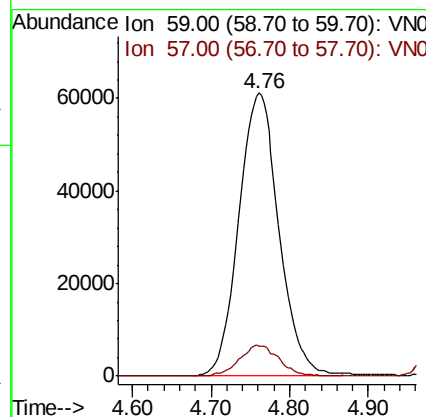
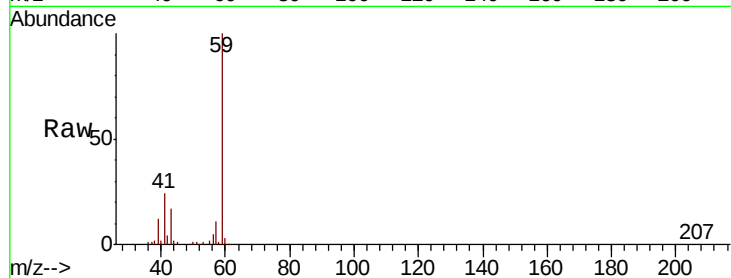
Tert butyl alcohol
Concen: 260.492 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	219035		
57	10.8		8.4	12.6

Manual Integrations
APPROVED

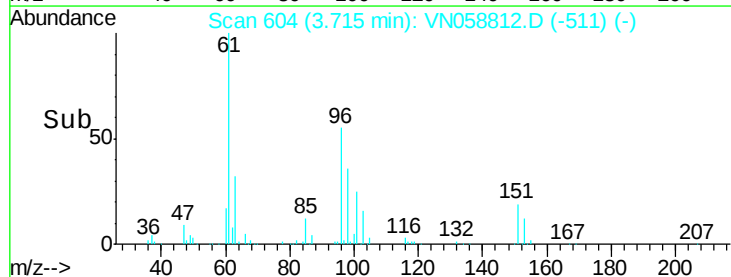
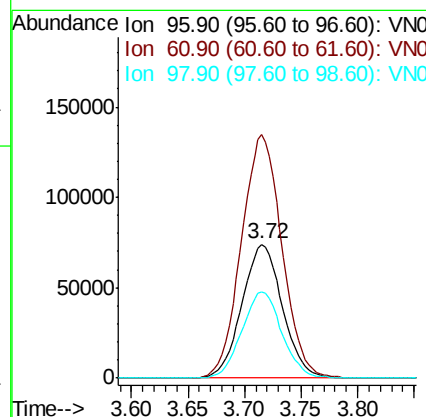
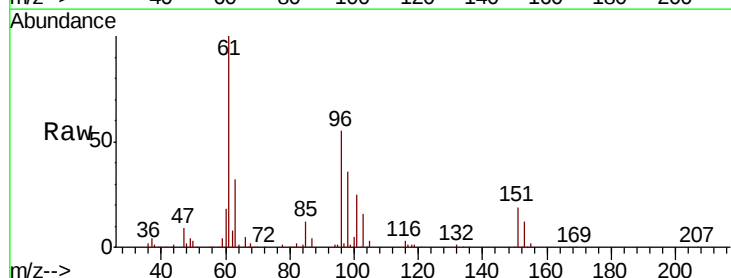
MMDadoda
10/18/2019 12:51:30 AM

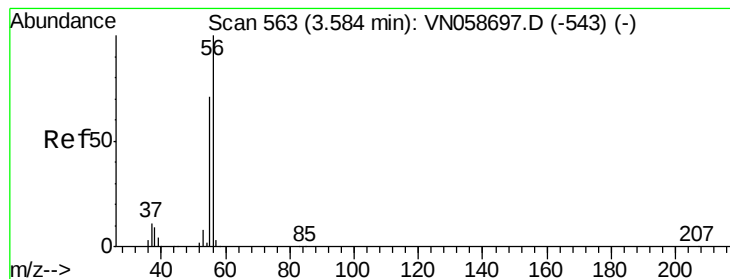


#12

1,1-Dichloroethene
Concen: 51.609 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	183809		
61	182.1		151.3	226.9
98	64.8		52.6	78.8





#13

Acrolein

Concen: 172.165 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

Tot Ion: 56 Resp: 116428

Ion Ratio Lower Upper

56 100

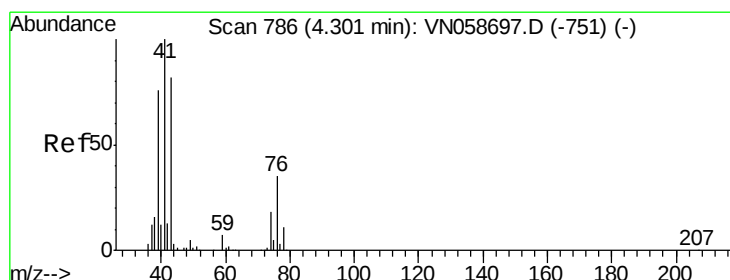
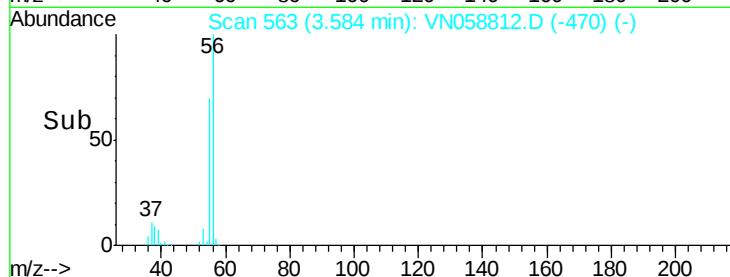
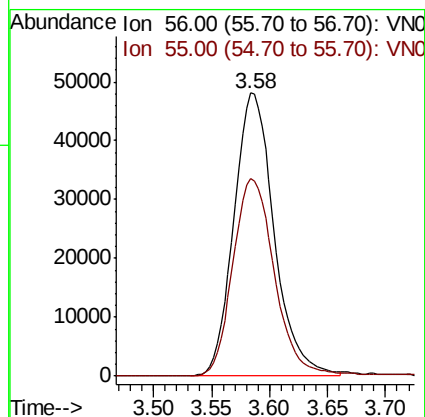
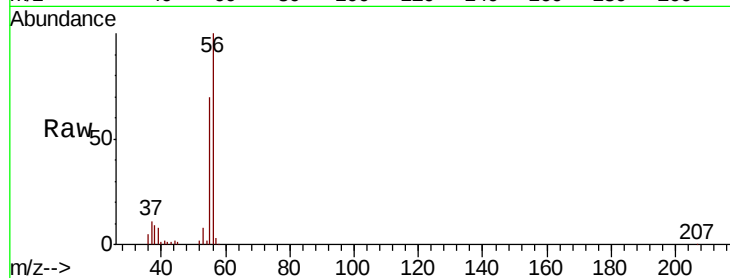
55 71.8 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:30 AM



#14

Allyl chloride

Concen: 51.297 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

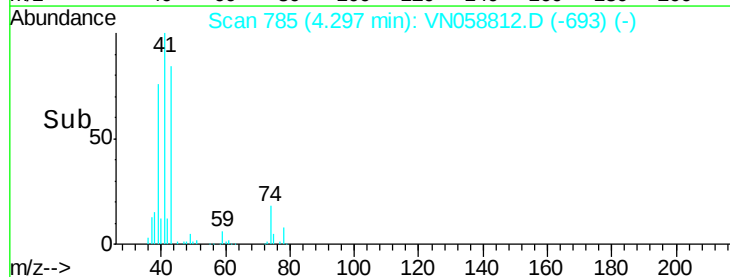
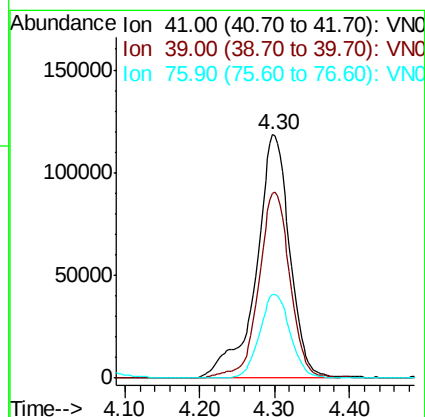
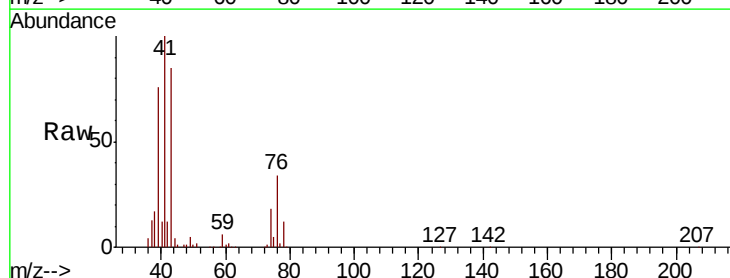
Tgt Ion: 41 Resp: 368700

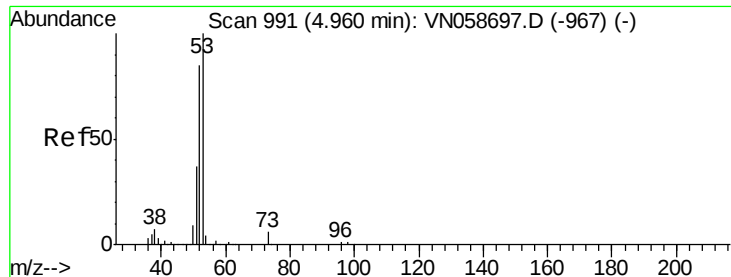
Ion Ratio Lower Upper

41 100

39 71.3 57.2 85.8

76 31.6 25.0 37.6





#15

Acrylonitrile

Concen: 277.632 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

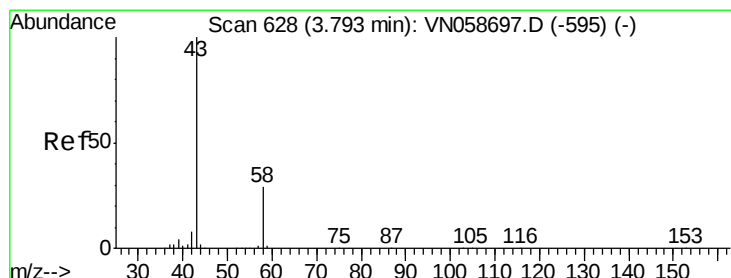
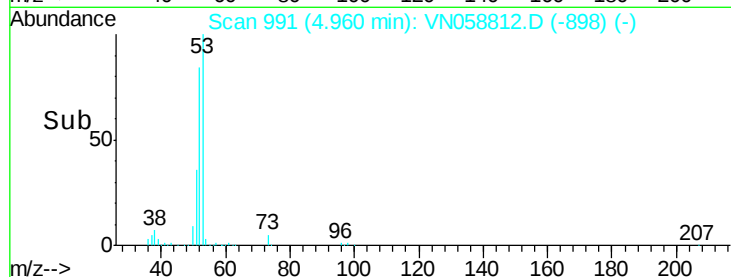
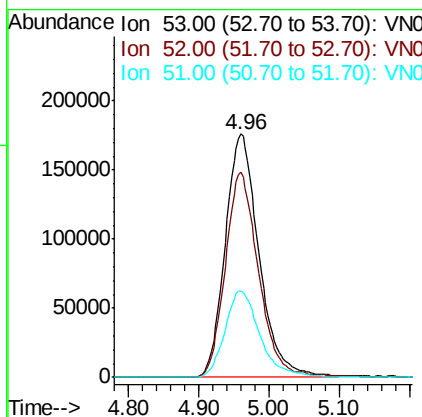
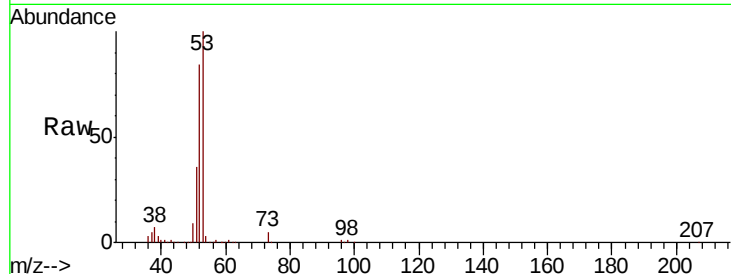
ClientSampleId :

FA19-MMW0006MSD

Tot Ion:	53	Resp:	588718
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.2	99.2
51	36.9	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:30 AM



#16

Acetone

Concen: 242.070 ug/l

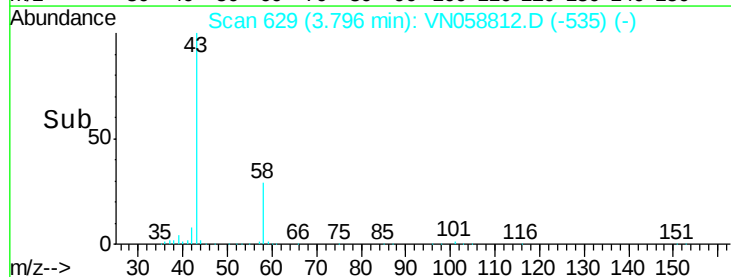
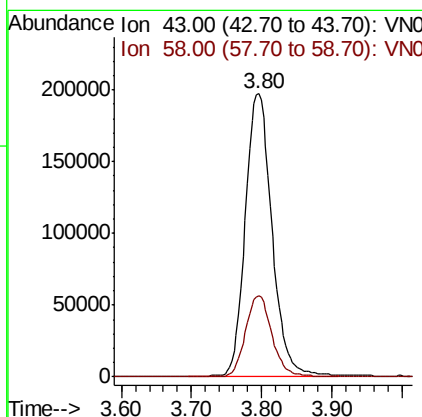
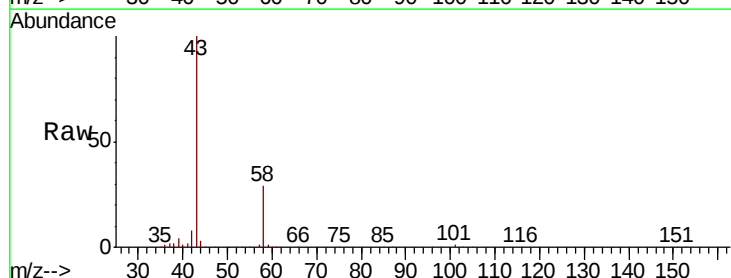
RT: 3.80 min Scan# 629

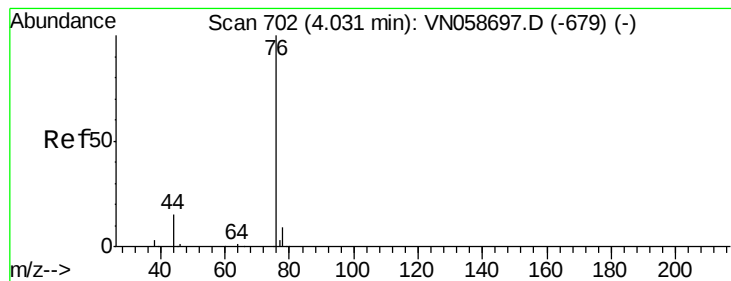
Delta R.T. 0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Tgt Ion:	43	Resp:	520318
Ion Ratio		Lower	Upper
43	100		
58	28.9	23.3	34.9





#17

Carbon Disulfide

Concen: 48.414 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

Tot Ion: 76 Resp: 551182

Ion Ratio Lower Upper

76 100

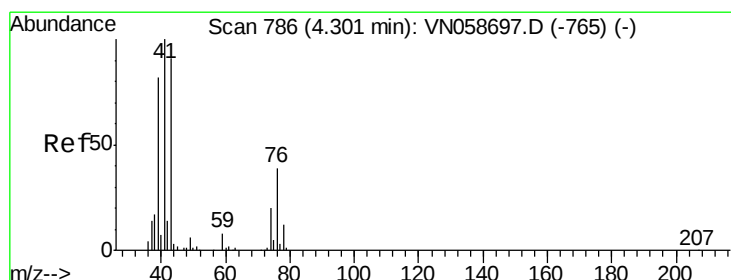
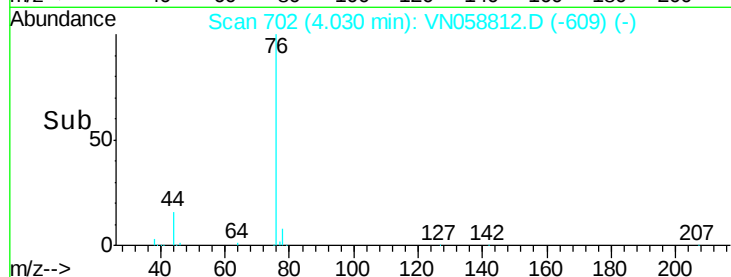
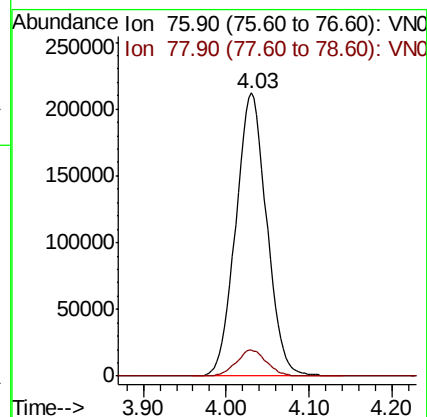
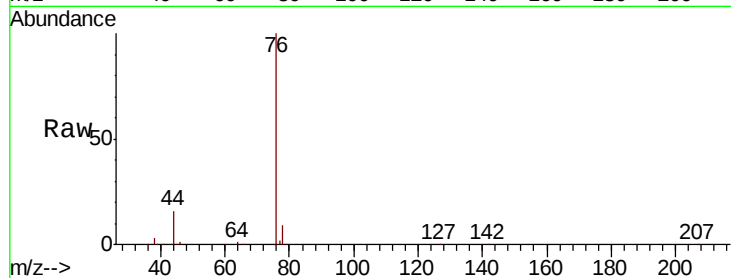
78 9.0 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:30 AM



#18

Methyl Acetate

Concen: 52.879 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058812.D

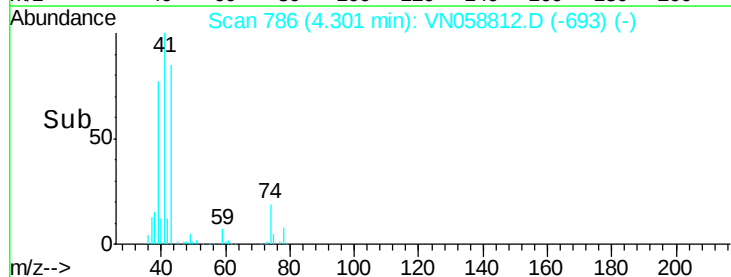
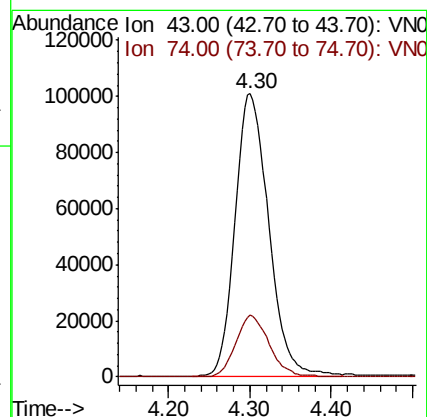
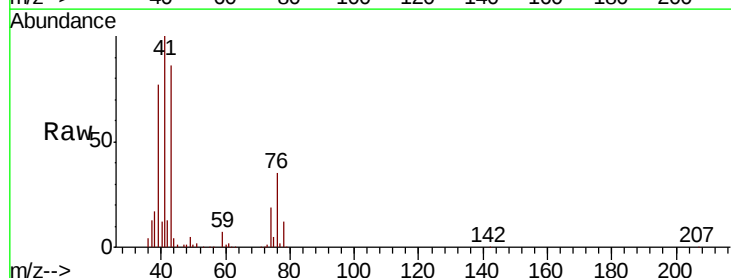
Acq: 16 Oct 2019 19:08

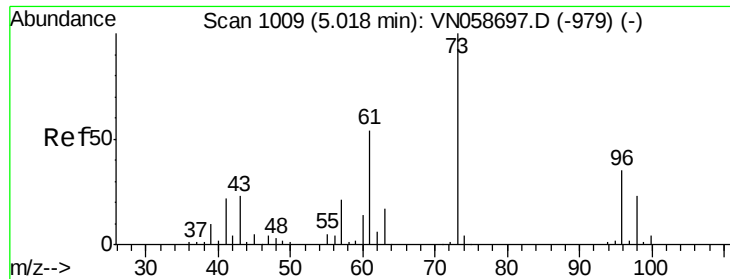
Tgt Ion: 43 Resp: 288313

Ion Ratio Lower Upper

43 100

74 21.8 17.2 25.8





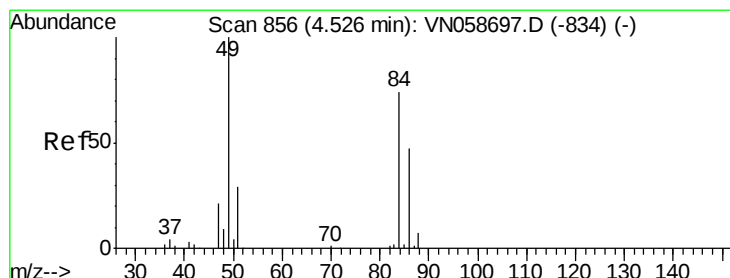
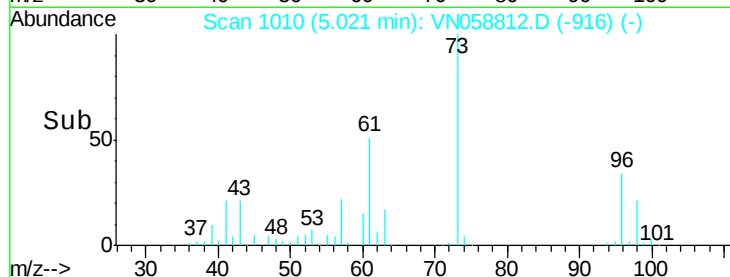
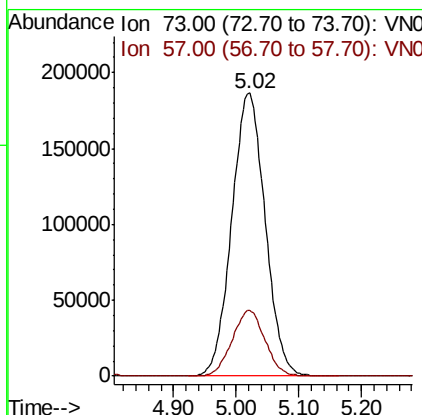
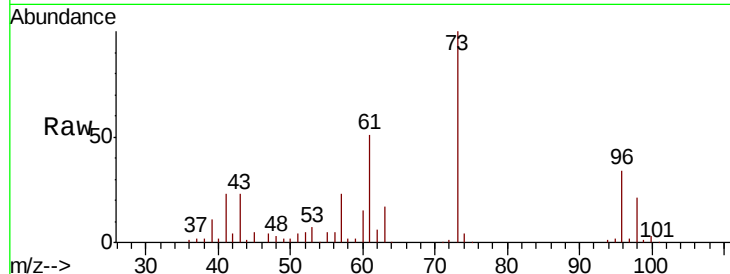
#19
Methvl tert-butvl Ether
Concen: 54.265 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

Tot Ion: 73 Resp: 690137
Ion Ratio Lower Upper
73 100
57 23.2 17.0 25.6

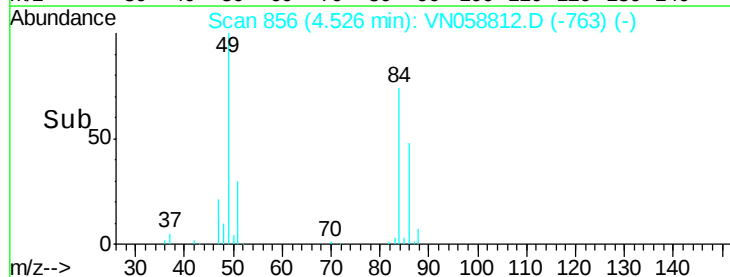
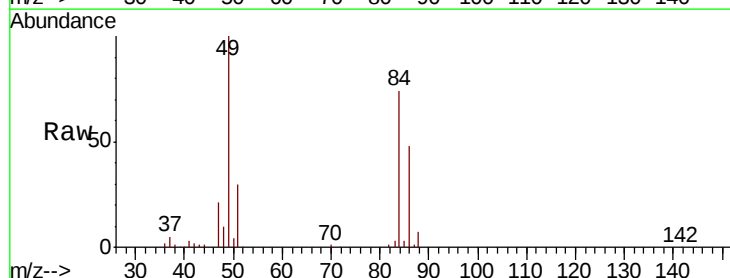
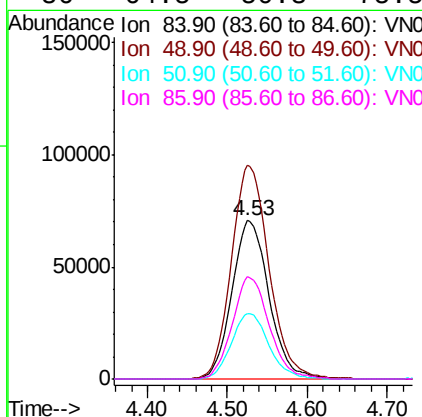
Manual Integrations
APPROVED

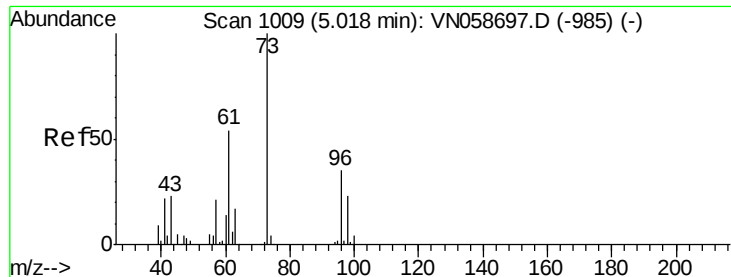
MMDadoda
10/18/2019 12:51:30 AM



#20
Methylene Chloride
Concen: 49.514 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion: 84 Resp: 222431
Ion Ratio Lower Upper
84 100
49 135.1 107.6 161.4
51 41.1 31.4 47.0
86 64.5 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 51.752 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

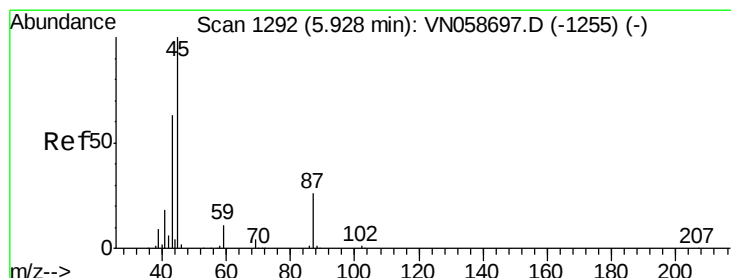
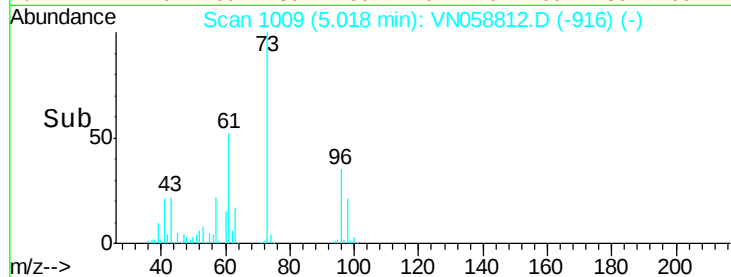
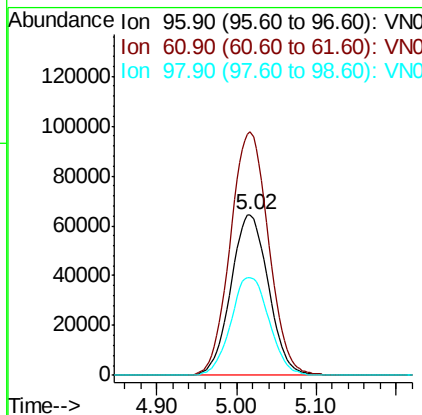
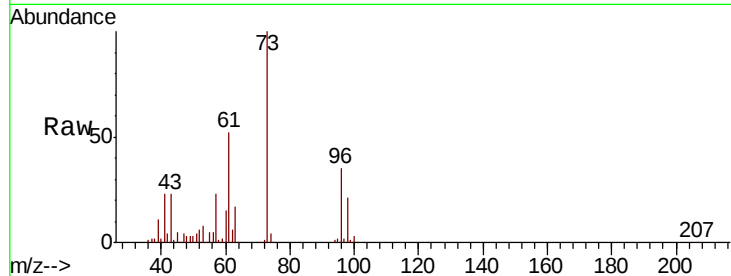
ClientSampleId :

FA19-MMW0006MSD

Tot Ion:	96	Resp:	206176
Ion	Ratio	Lower	Upper
96	100		
61	151.2	123.6	185.4
98	60.9	52.1	78.1

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:30 AM



#22

Diisopropyl ether

Concen: 55.024 ug/l

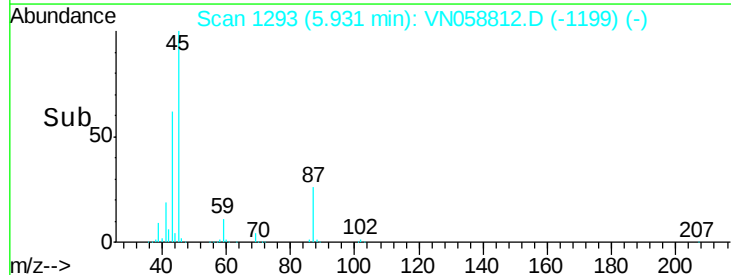
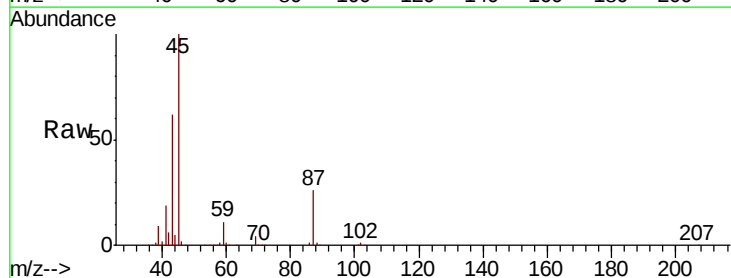
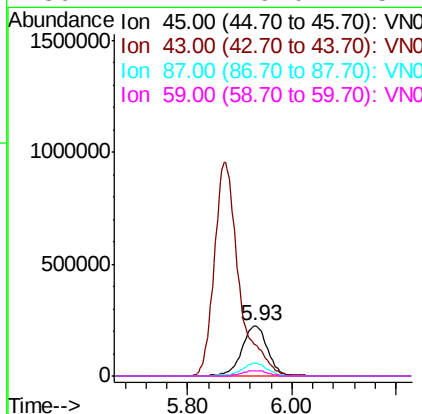
RT: 5.93 min Scan# 1293

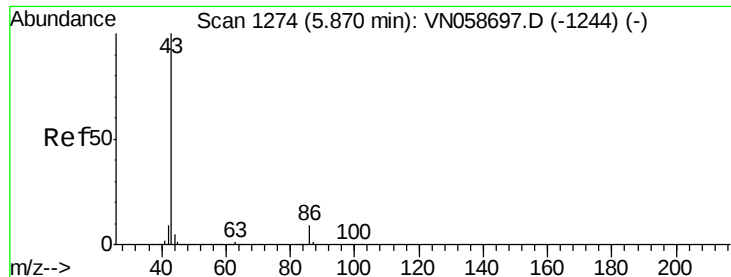
Delta R.T. 0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Tgt Ion:	45	Resp:	768957
Ion	Ratio	Lower	Upper
45	100		
43	61.9	50.6	75.8
87	25.5	21.1	31.7
59	11.1	9.0	13.4





#23

Vinyl Acetate

Concen: 279.157 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

Tot Ion: 43 Resp: 3147887

Ion Ratio Lower Upper

43 100

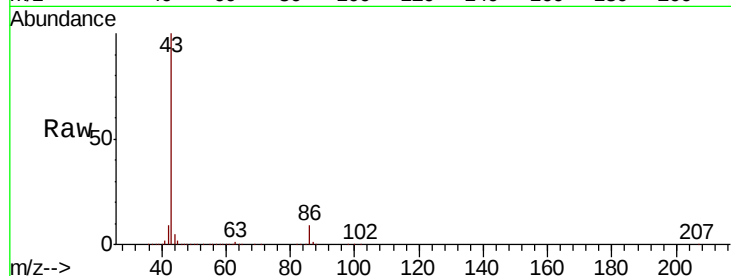
86 9.0 7.4 11.0

Manual Integrations

APPROVED

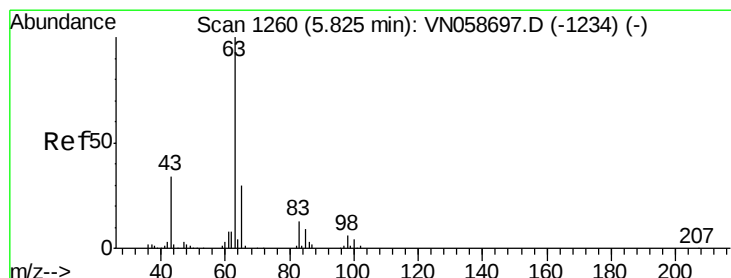
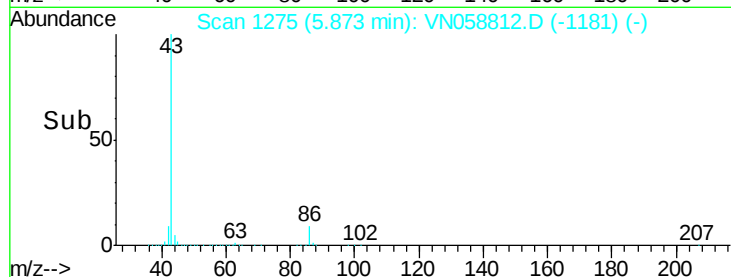
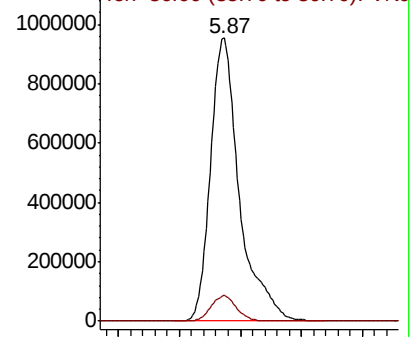
MMDadoda

10/18/2019 12:51:30 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 53.234 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

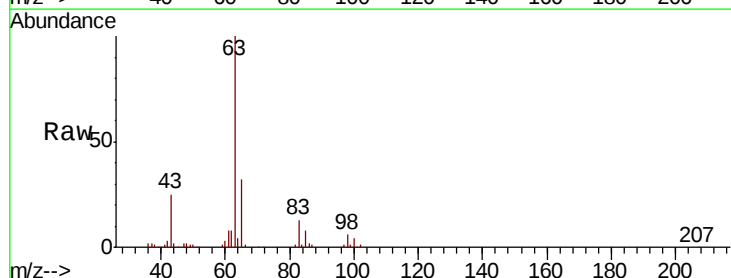
Tgt Ion: 63 Resp: 423699

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

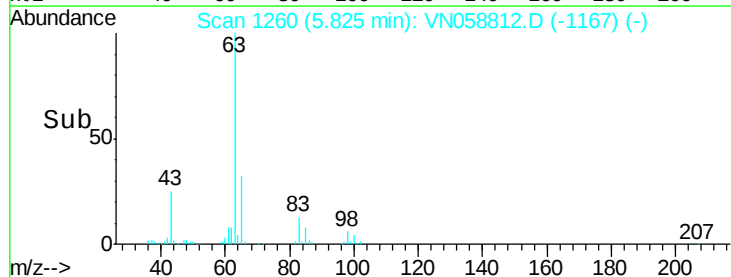
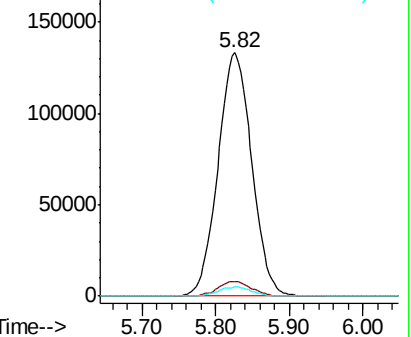
100 3.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 264.042 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

Tot Ion: 43 Resp: 820329

Ion Ratio Lower Upper

43 100

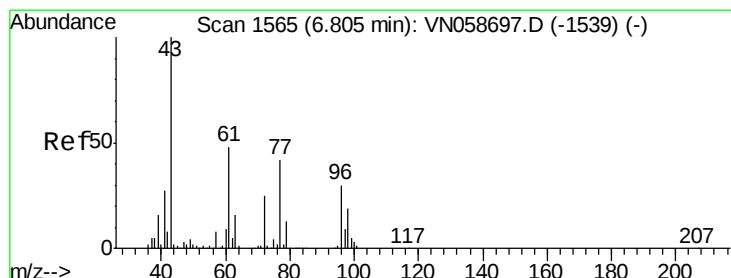
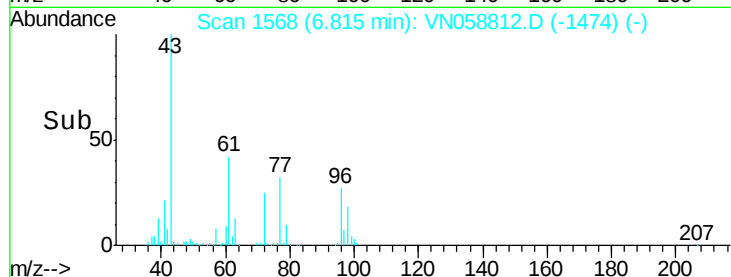
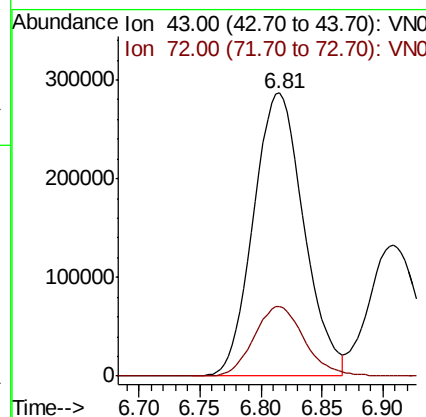
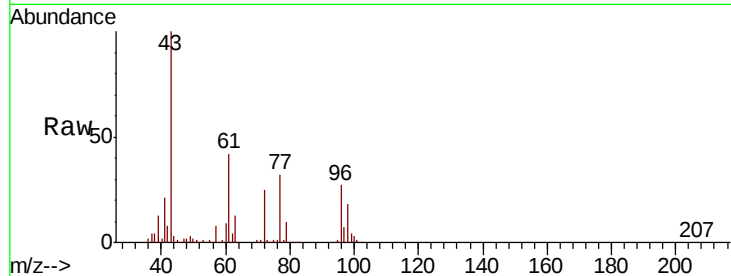
72 24.8 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:30 AM



#26

2,2-Dichloropropane

Concen: 45.912 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058812.D

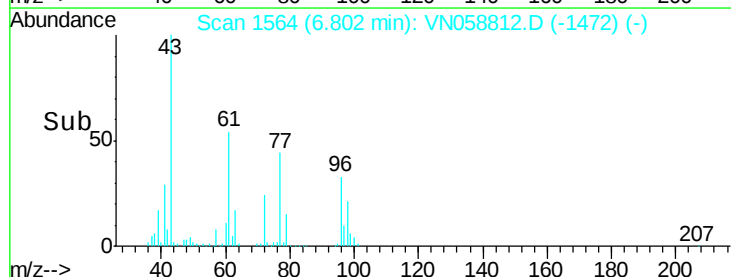
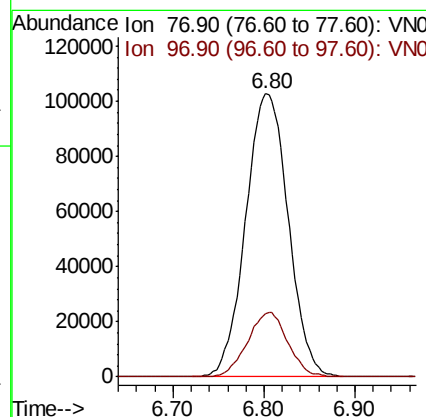
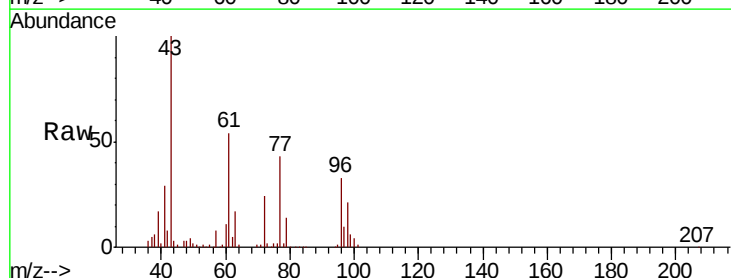
Acq: 16 Oct 2019 19:08

Tgt Ion: 77 Resp: 333572

Ion Ratio Lower Upper

77 100

97 21.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 51.397 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

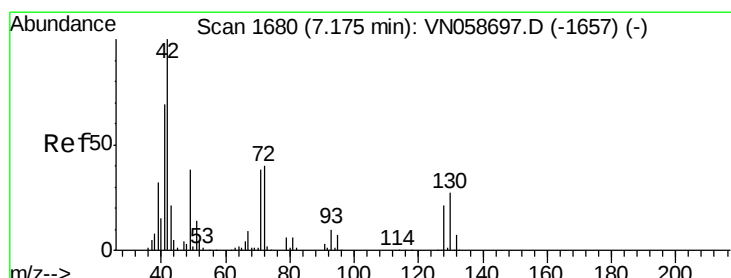
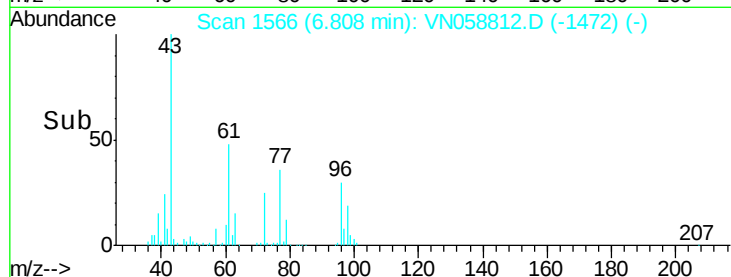
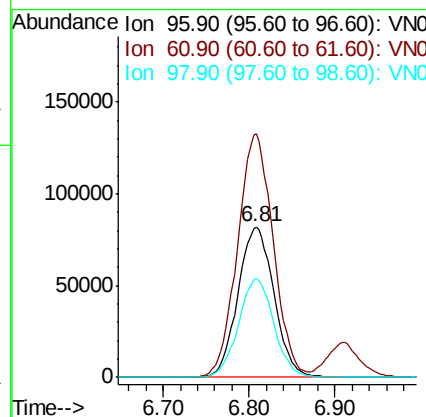
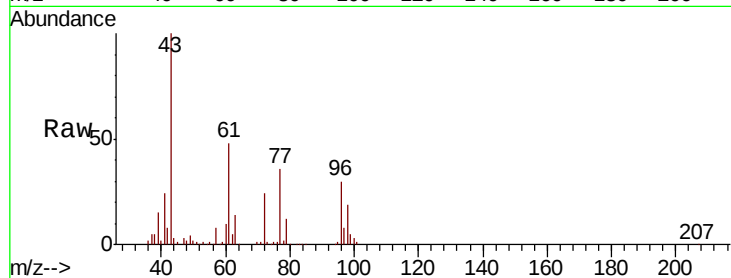
ClientSampleId :

FA19-MMW0006MSD

Tot Ion:	96	Resp:	238777
Ion Ratio	Lower	Upper	
96	100		
61	160.2	0.0	324.8
98	64.2	0.0	129.2

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:30 AM



#28

Bromochloromethane

Concen: 54.606 ug/l

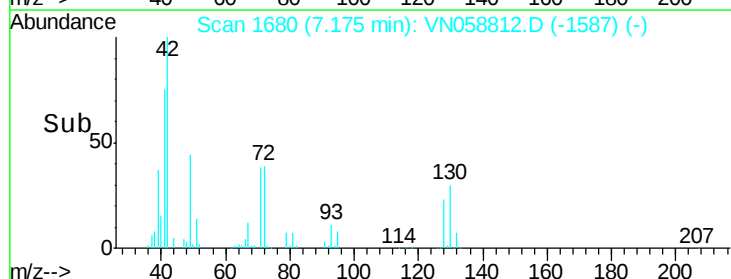
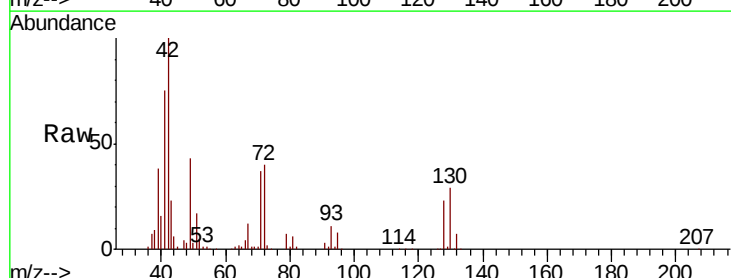
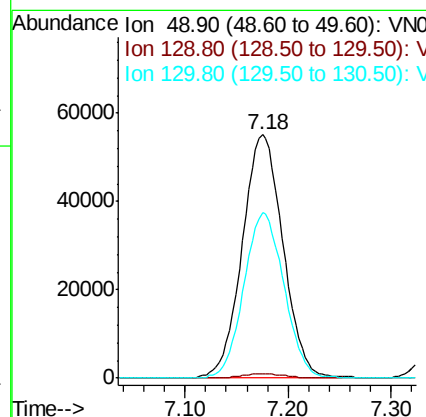
RT: 7.18 min Scan# 1680

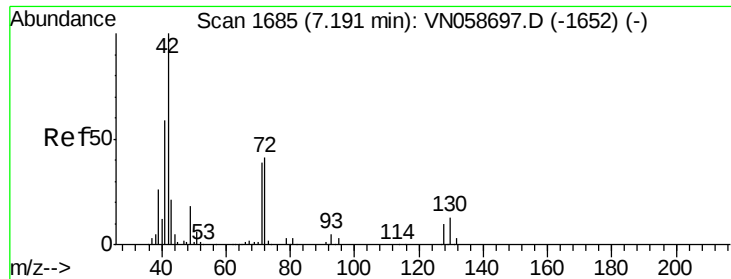
Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Tgt Ion:	49	Resp:	151200
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.6
130	66.9	55.0	82.4





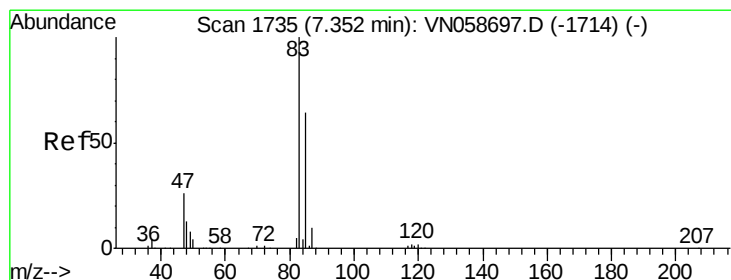
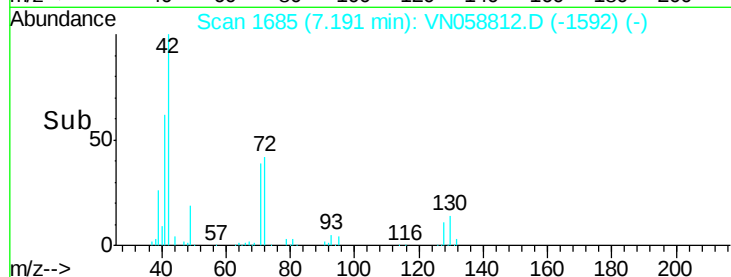
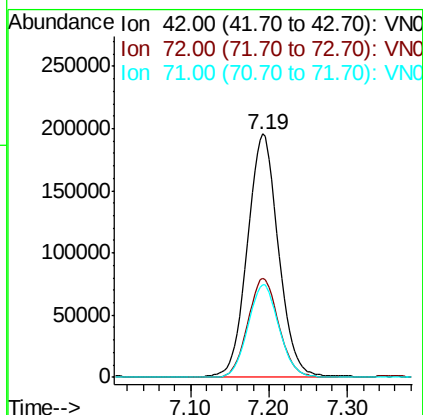
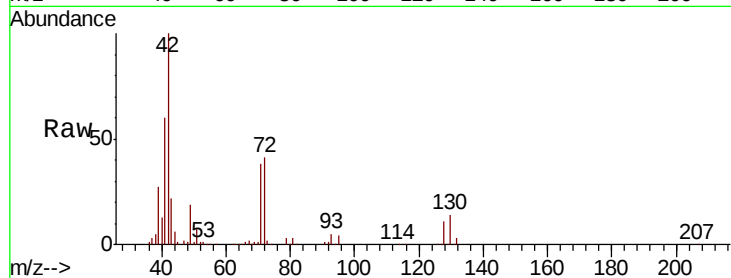
#29
Tetrahydrofuran
Concen: 272.896 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.8	49.2
71	38.5	31.1	46.7

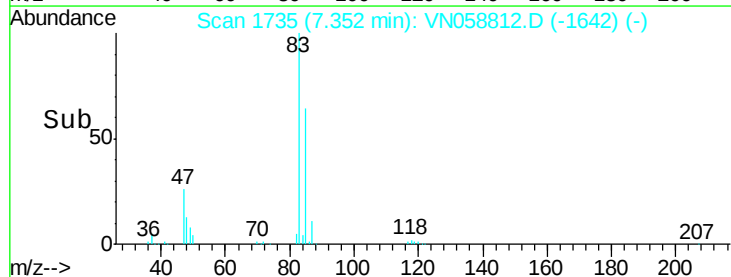
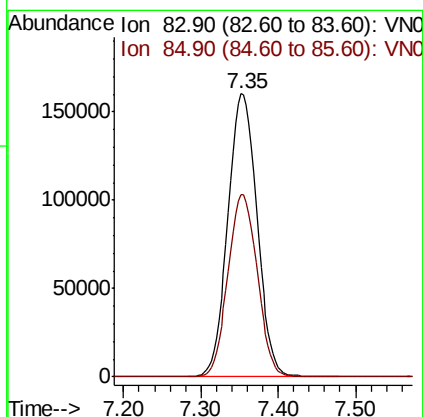
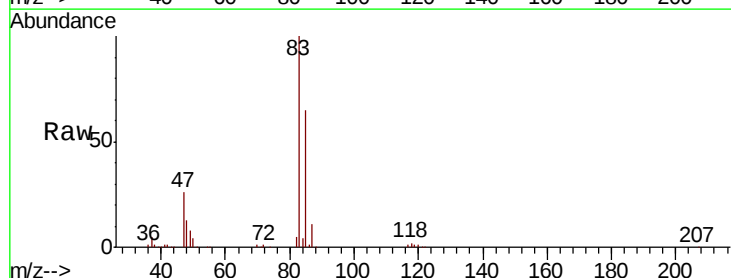
Manual Integrations
APPROVED

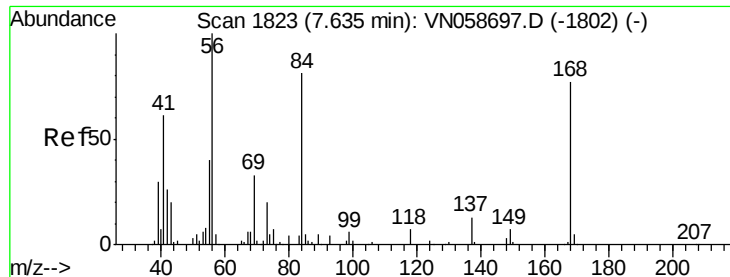
MMDadoda
10/18/2019 12:51:30 AM



#30
Chloroform
Concen: 52.445 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.0	76.6





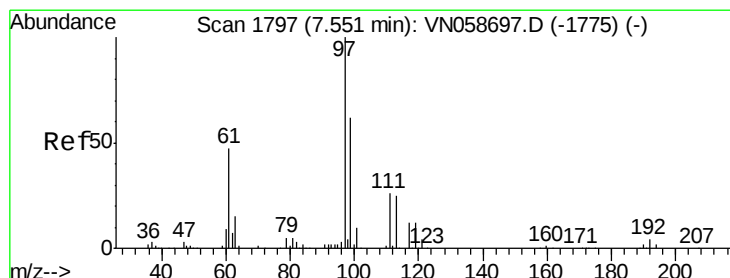
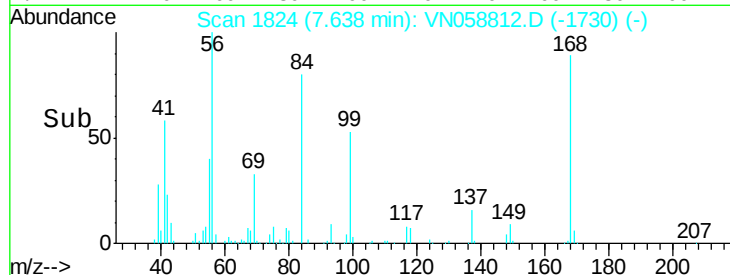
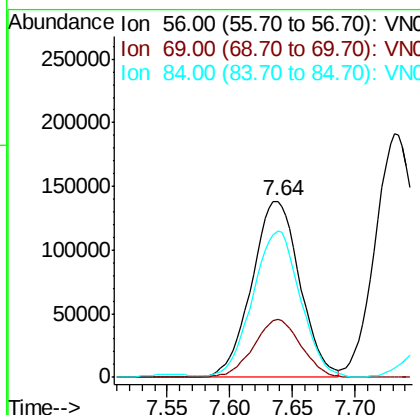
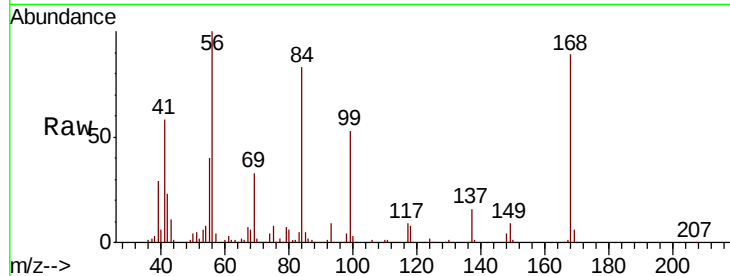
#31
Cyclohexane
Concen: 48.380 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

Tot Ion	Ratio	Resp	Lower	Upper
56	100			
69	33.1	26.2	39.4	
84	81.9	64.9	97.3	

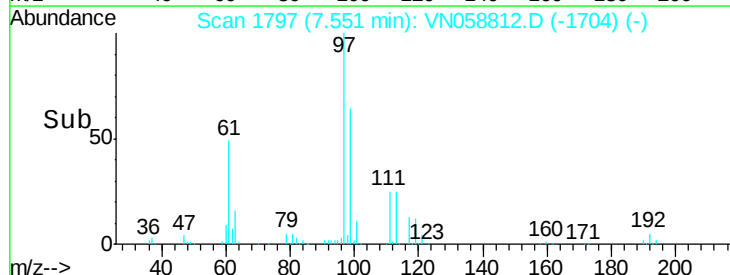
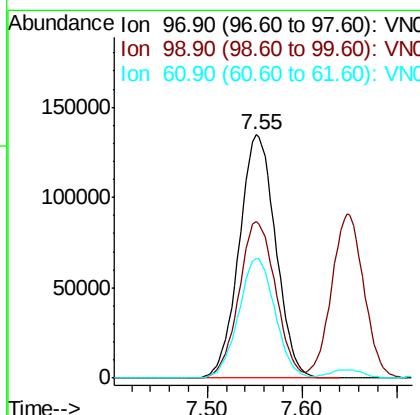
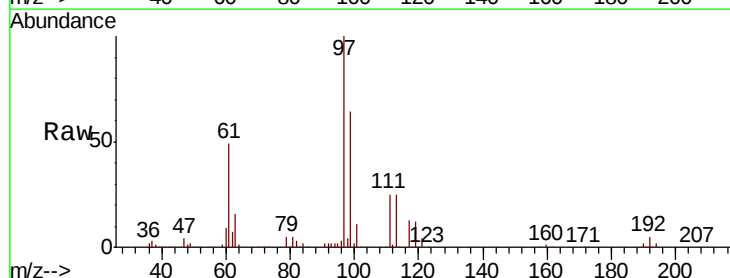
Manual Integrations
APPROVED

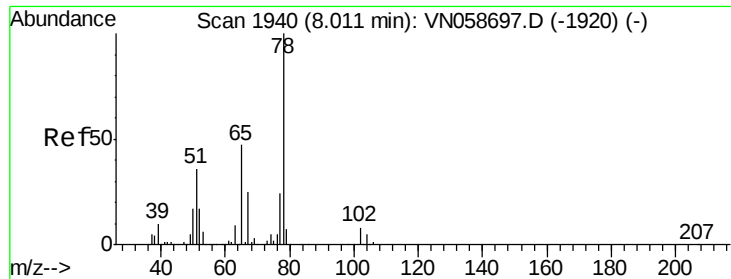
MMDadoda
10/18/2019 12:51:30 AM



#32
1,1,1-Trichloroethane
Concen: 53.056 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	64.5	50.8	76.2	
61	48.8	38.1	57.1	





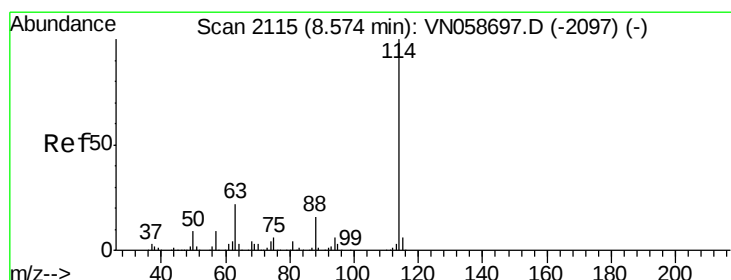
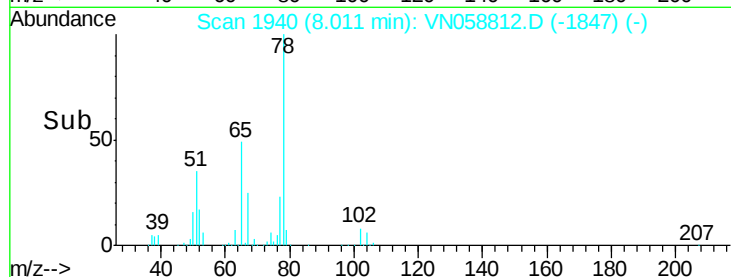
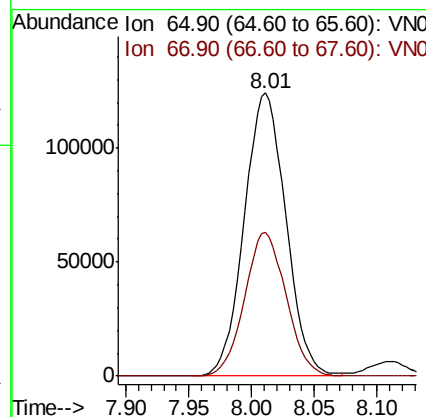
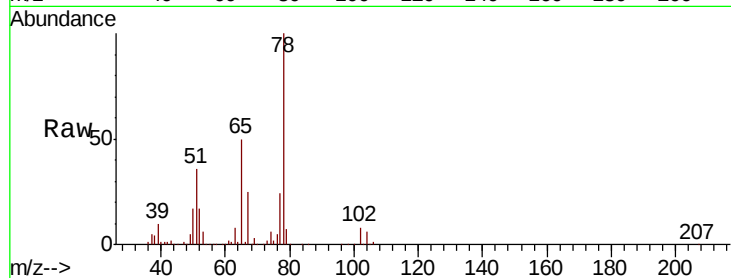
#33
 1,2-Dichloroethane-d4
 Concen: 55.345 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	287353		
67	50.6	0.0	103.8	

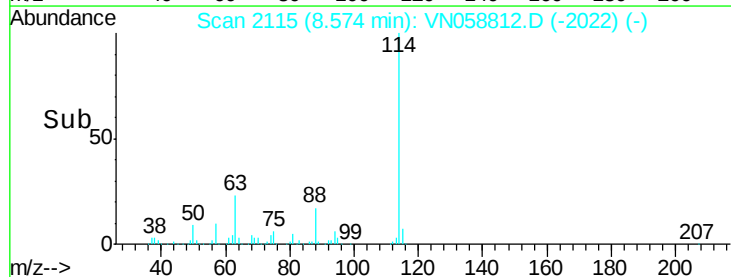
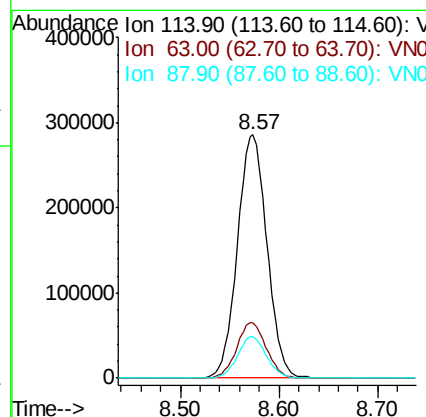
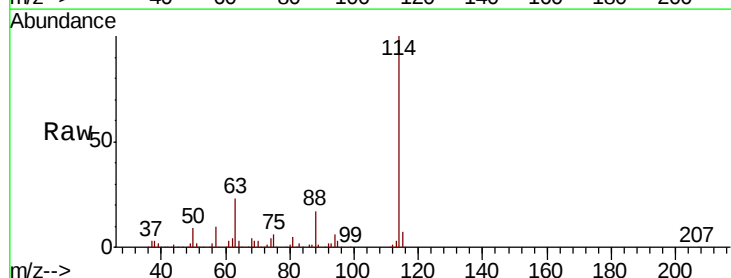
Manual Integrations
 APPROVED

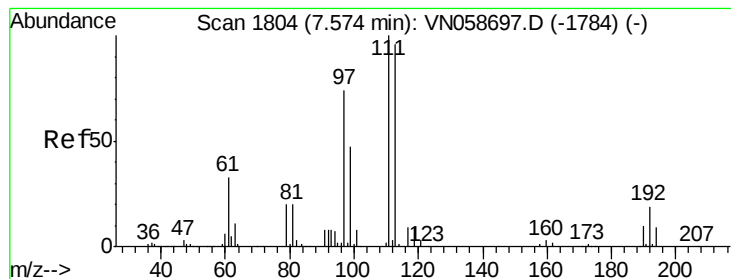
MMDadoda
 10/18/2019 12:51:30 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	595301		
63	22.6	0.0	43.8	
88	16.8	0.0	32.0	





#35

Dibromofluoromethane

Concen: 55.846 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

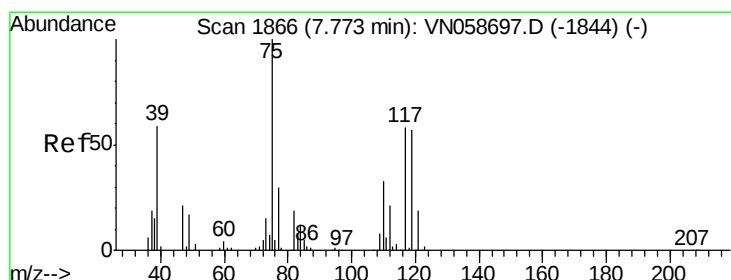
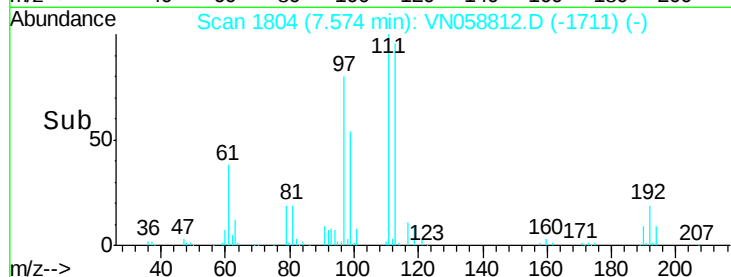
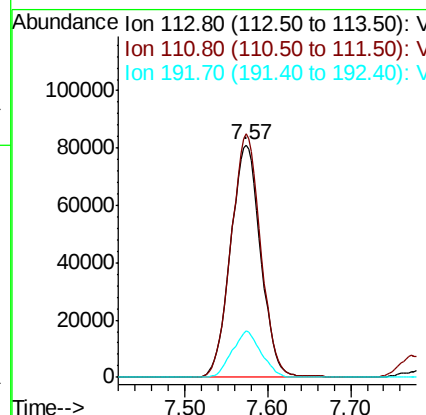
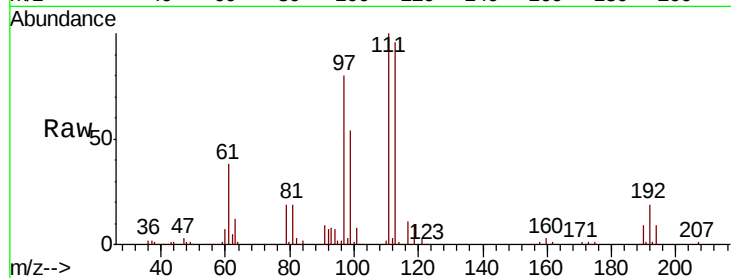
ClientSampleId :

FA19-MMW0006MSD

Tot Ion:	113	Resp:	205350
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.3	123.5
192	19.0	15.0	22.6

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:30 AM



#36

1,1-Dichloropropene

Concen: 52.099 ug/l

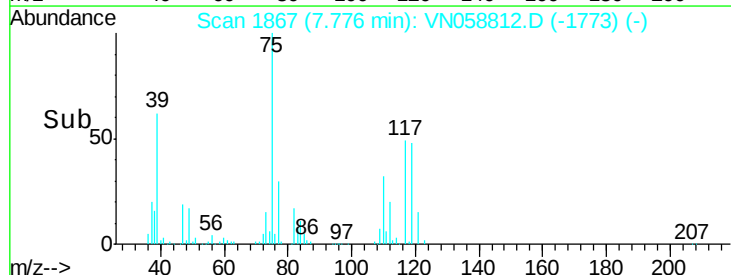
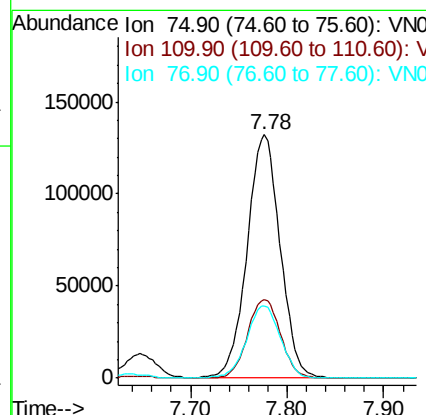
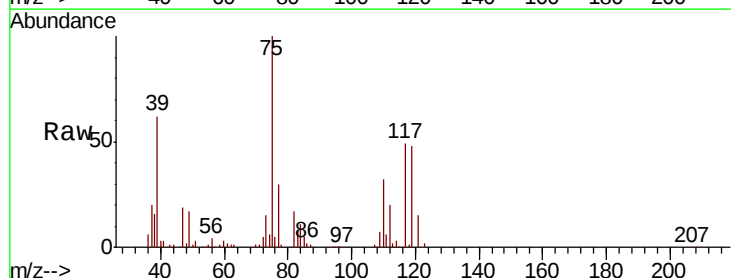
RT: 7.78 min Scan# 1867

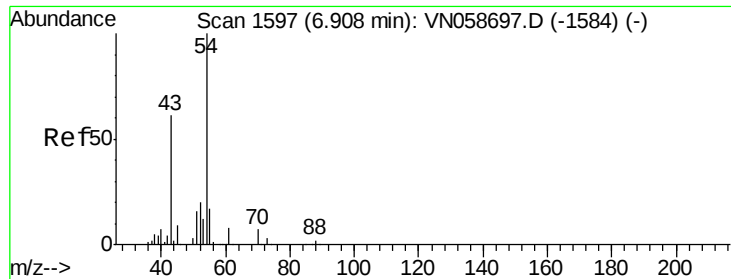
Delta R.T. 0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Tgt Ion:	75	Resp:	313581
Ion Ratio	Lower	Upper	
75	100		
110	32.4	16.6	49.8
77	30.6	24.6	37.0





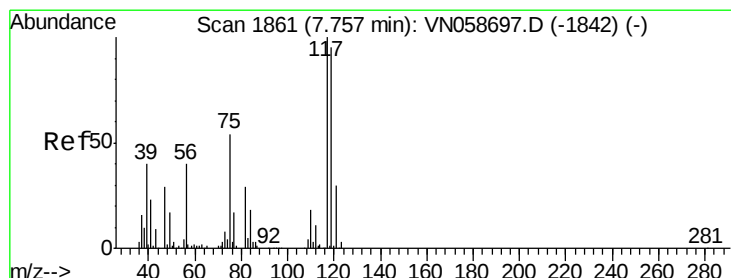
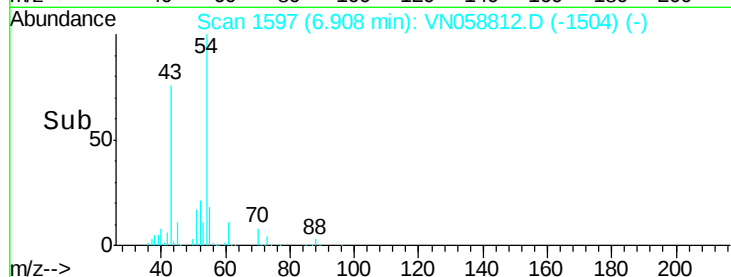
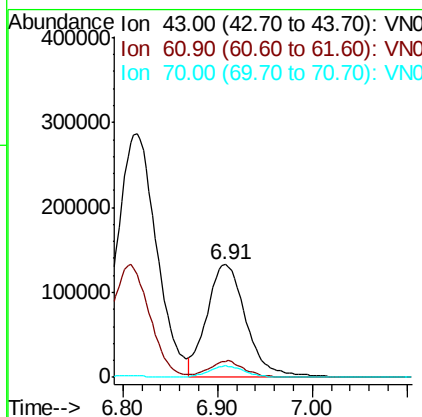
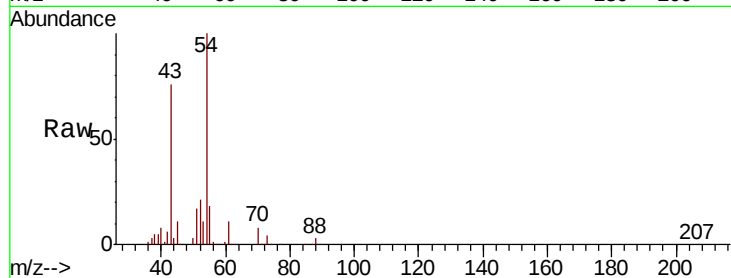
#37
Ethyl Acetate
Concen: 61.876 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.3	16.9
70	9.8	7.2	10.8

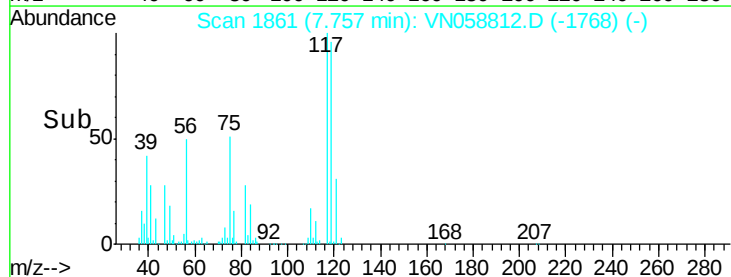
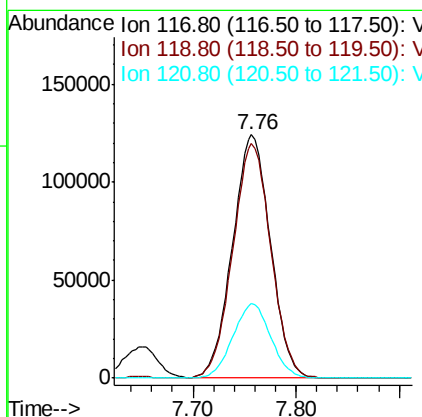
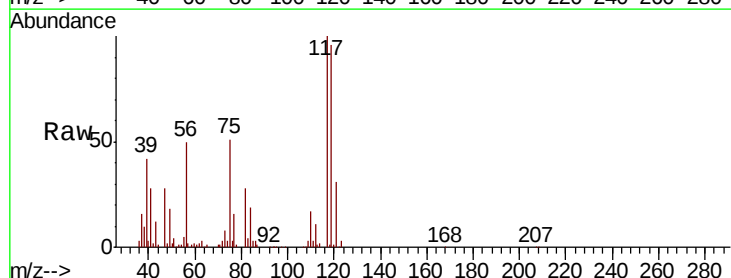
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:30 AM



#38
Carbon Tetrachloride
Concen: 54.122 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.7	113.5
121	30.6	23.9	35.9





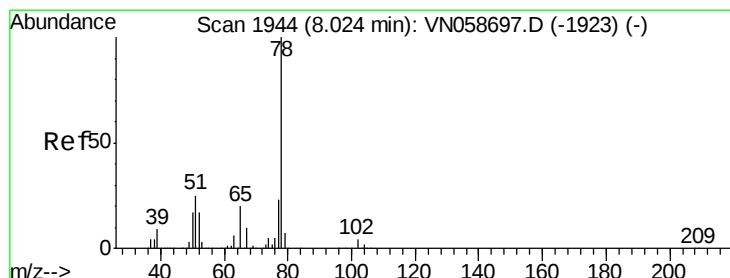
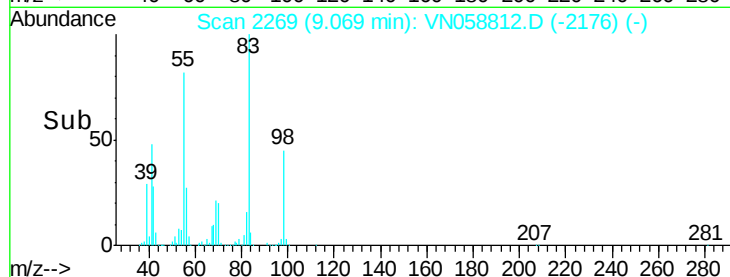
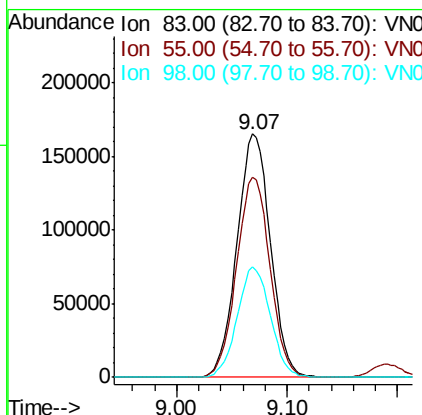
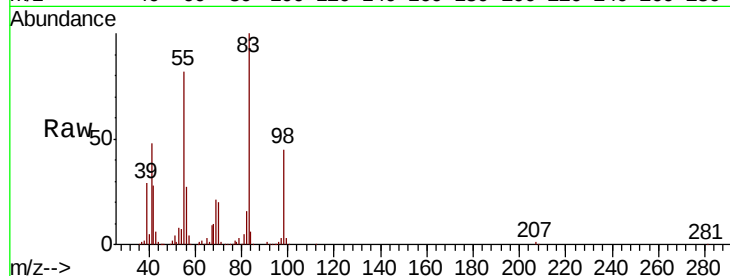
#39
Methvlcvclohexane
Concen: 49.881 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	63.4	95.0
98	45.2	35.1	52.7

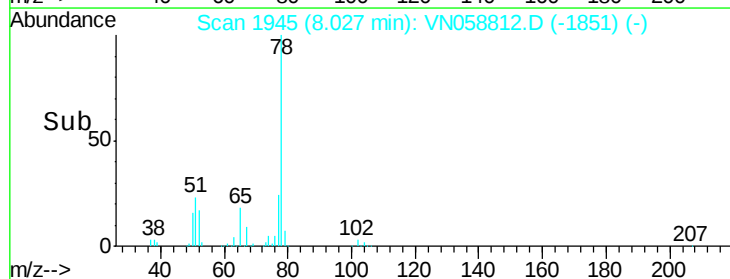
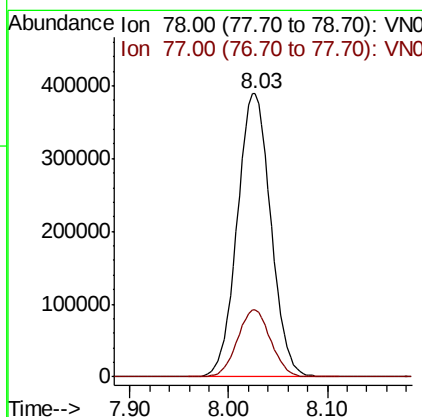
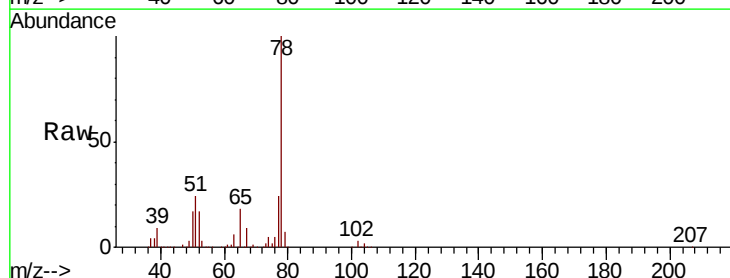
Manual Integrations
APPROVED

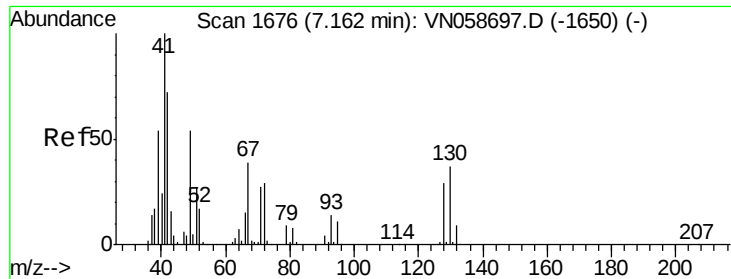
MMDadoda
10/18/2019 12:51:30 AM



#40
Benzene
Concen: 53.047 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





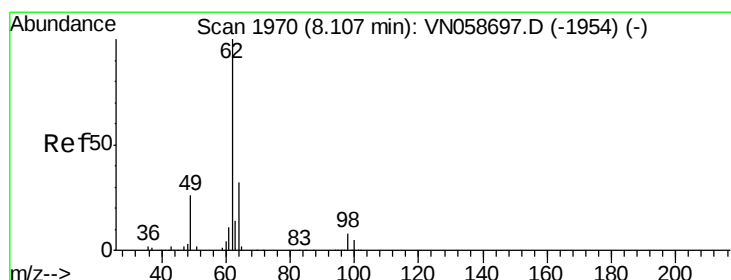
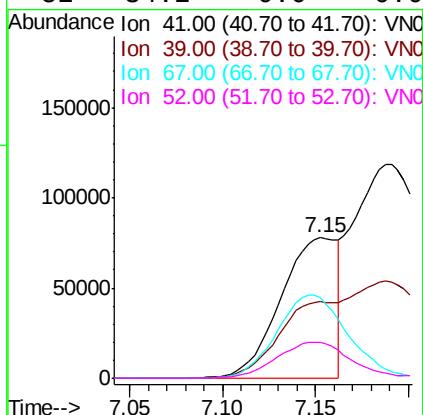
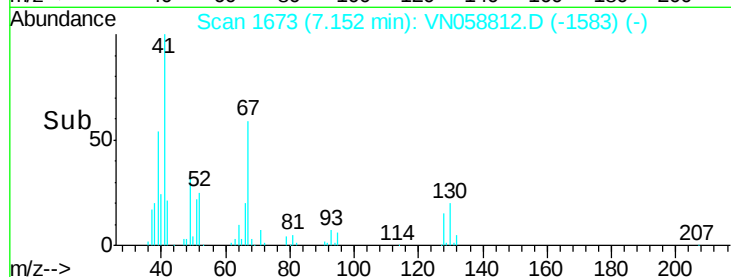
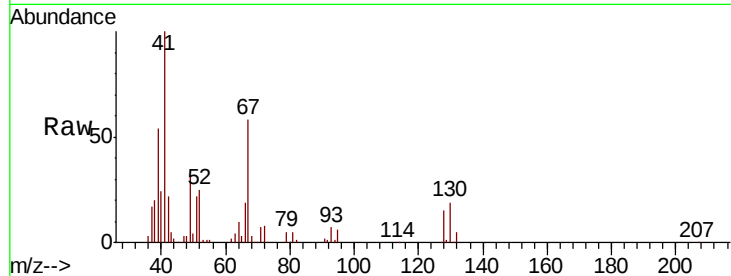
#41
Methacrylonitrile
Concen: 57.996 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.7	115.4	173.2#	
67	75.4	0.0	0.0#	
52	34.2	0.0	0.0#	

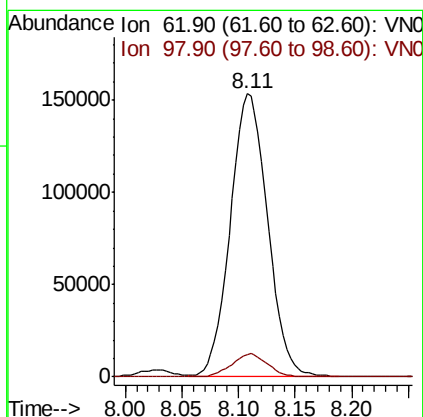
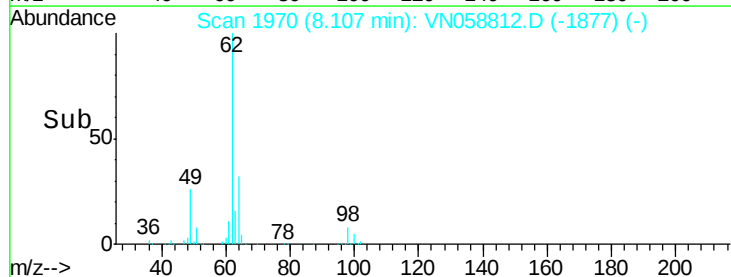
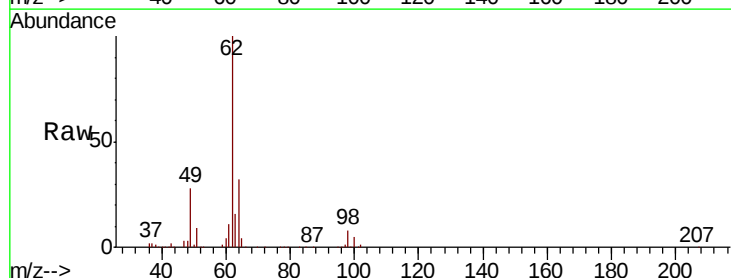
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:30 AM



#42
1,2-Dichloroethane
Concen: 52.977 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	15.8	





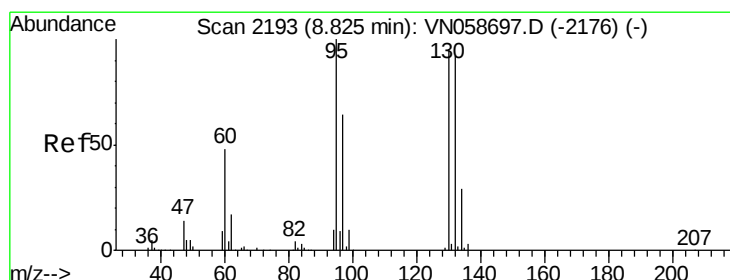
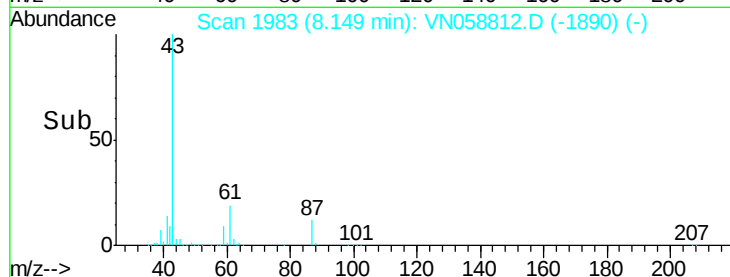
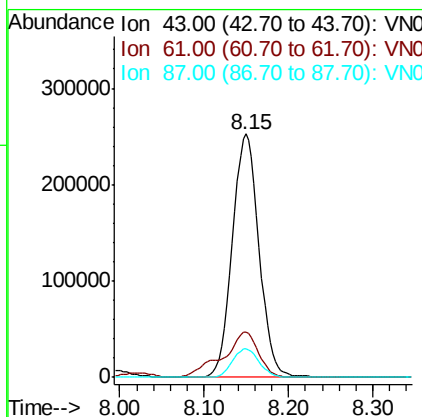
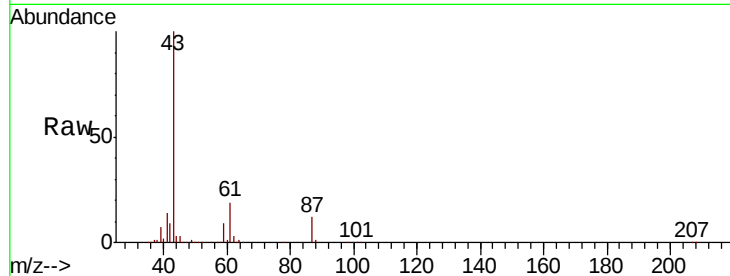
#43
Isopropyl Acetate
Concen: 53.424 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.0	20.3	30.5
87	11.8	9.8	14.6

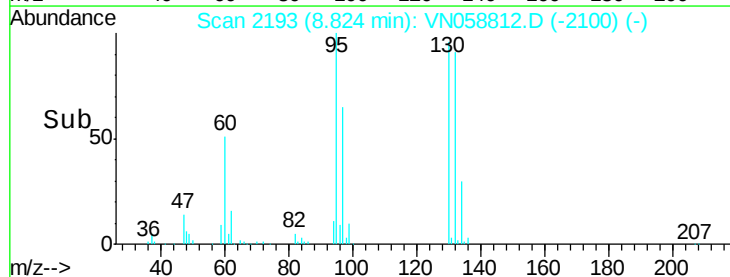
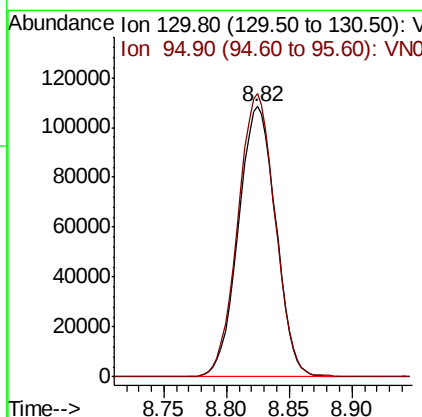
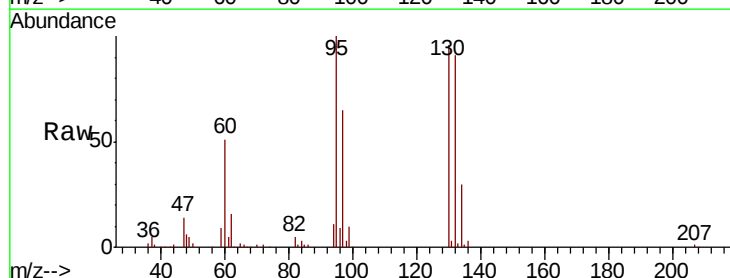
Manual Integrations
APPROVED

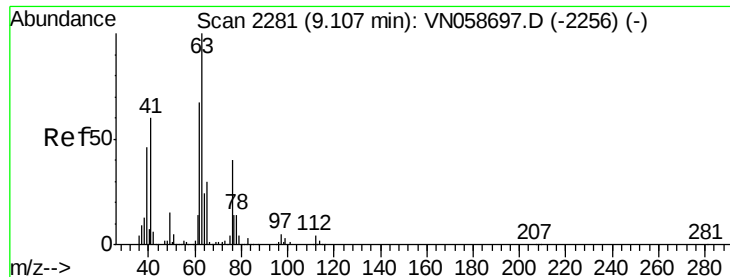
MMDadoda
10/18/2019 12:51:30 AM



#44
Trichloroethene
Concen: 52.485 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	211.2





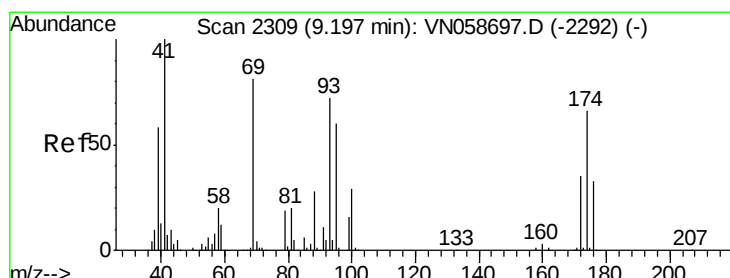
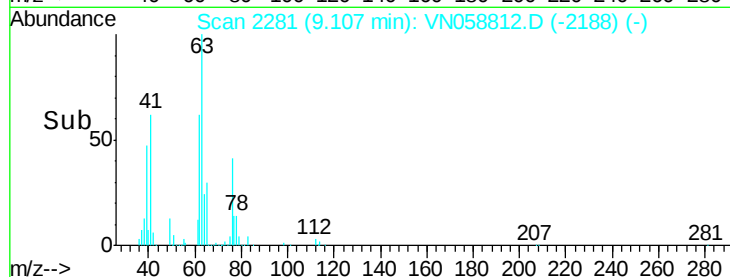
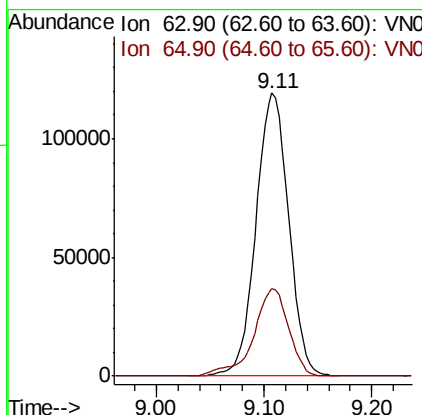
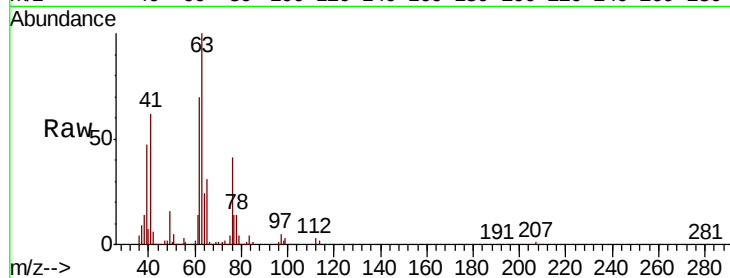
#45
 1,2-Dichloropropane
 Concen: 54.238 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.1	36.1

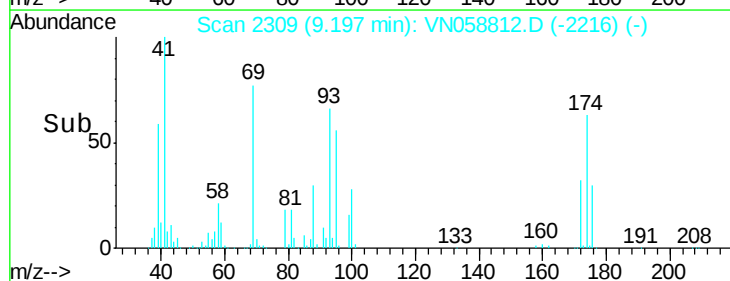
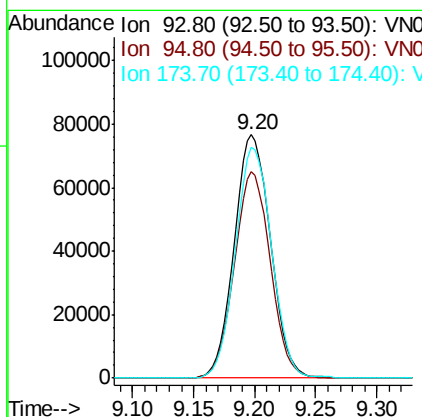
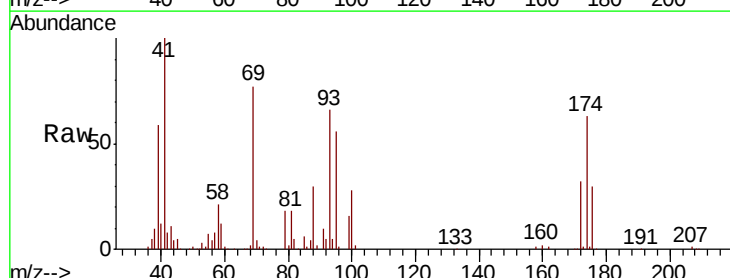
Manual Integrations
 APPROVED

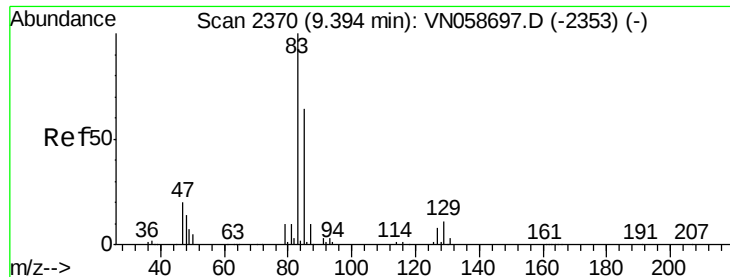
MMDadoda
 10/18/2019 12:51:30 AM



#46
 Dibromomethane
 Concen: 53.968 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.6	100.0
174	94.5	75.2	112.8





#47

Bromodichloromethane

Concen: 55.558 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

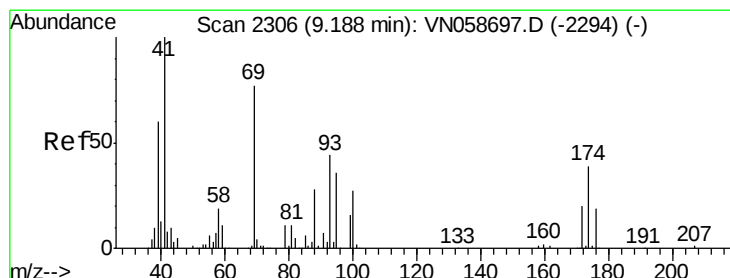
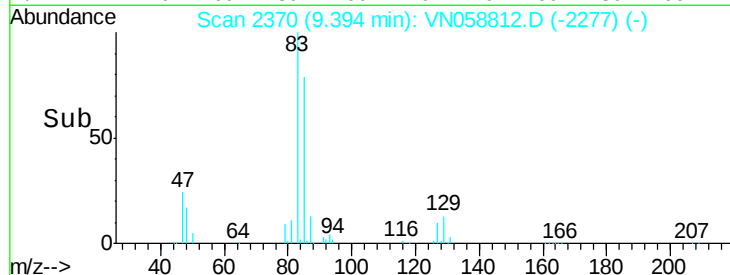
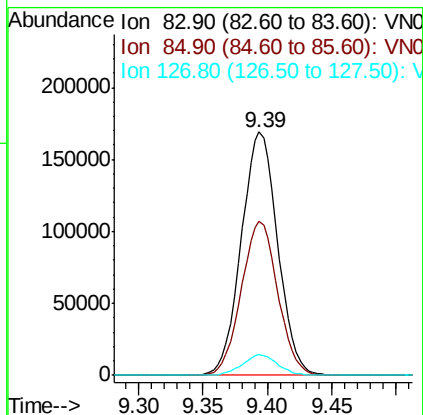
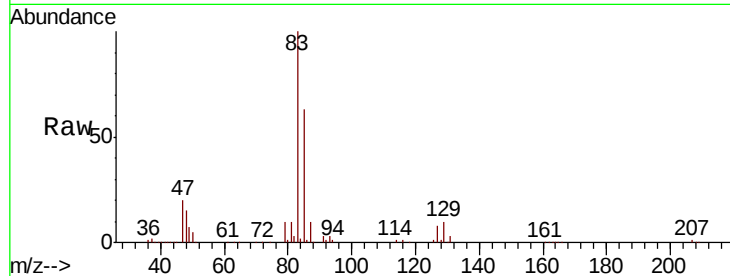
ClientSampleId :

FA19-MMW0006MSD

Tot Ion:	83	Resp:	331927
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.9	76.3
127	8.4	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:30 AM



#48

Methyl methacrylate

Concen: 55.781 ug/l

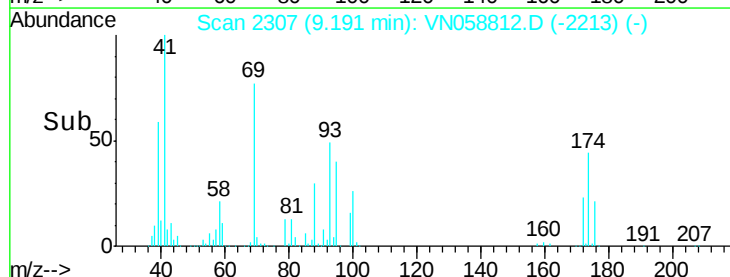
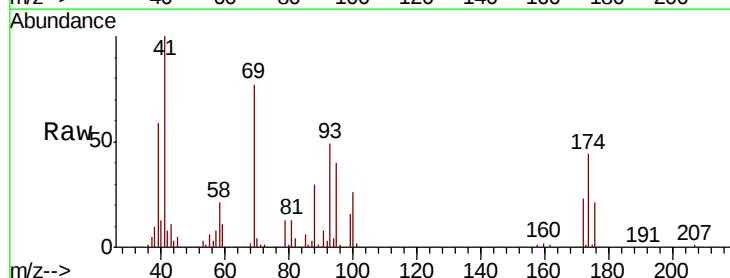
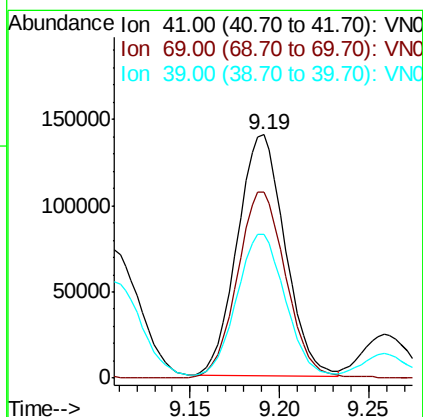
RT: 9.19 min Scan# 2307

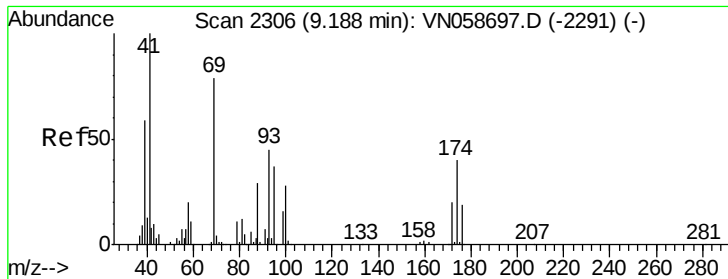
Delta R.T. 0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Tgt Ion:	41	Resp:	262197
Ion	Ratio	Lower	Upper
41	100		
69	78.6	63.4	95.2
39	60.9	48.9	73.3





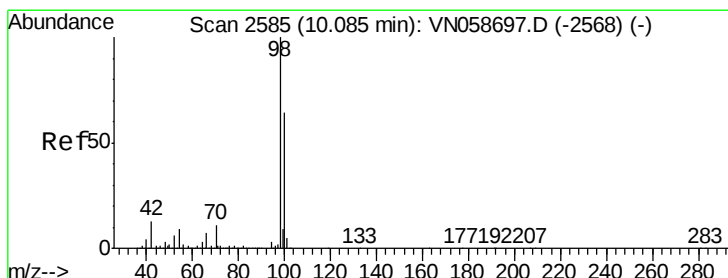
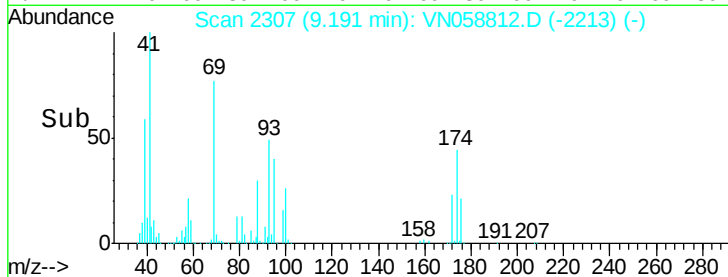
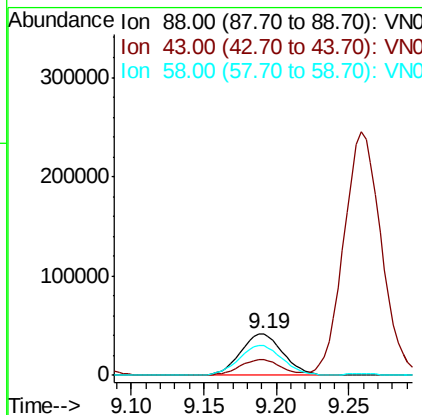
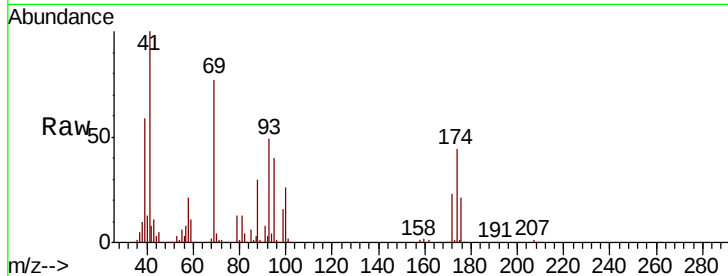
#49
1,4-Dioxane
Concen: 1172.983 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

Tot Ion	88	Resp	85298
Ion	Ratio	Lower	Upper
88	100		
43	36.2	28.6	43.0
58	73.8	57.2	85.8

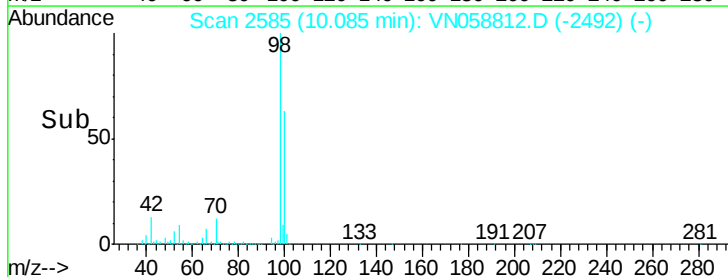
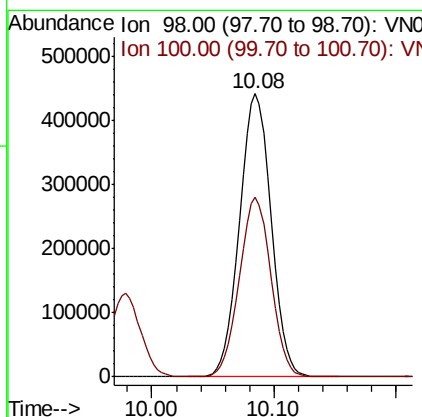
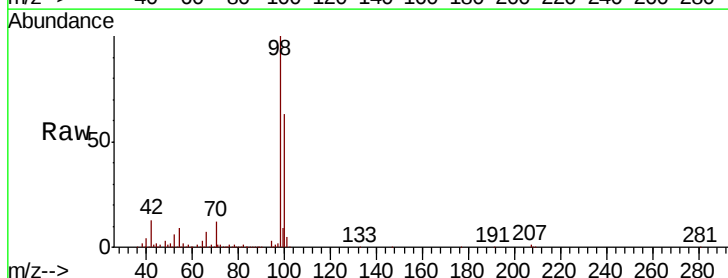
Manual Integrations
APPROVED

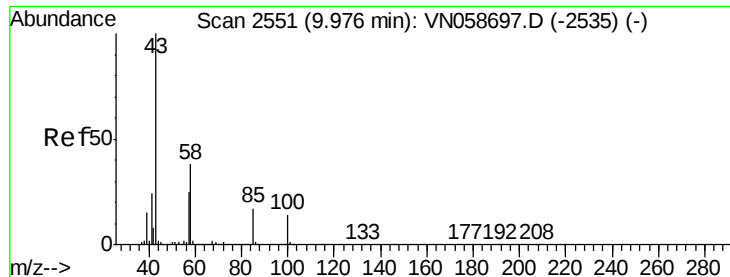
MMDadoda
10/18/2019 12:51:30 AM



#50
Toluene-d8
Concen: 53.544 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion	98	Resp	787307
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 298.991 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

Tot Ion: 43 Resp: 1741250

Ion Ratio Lower Upper

43 100

58 37.2

30.3

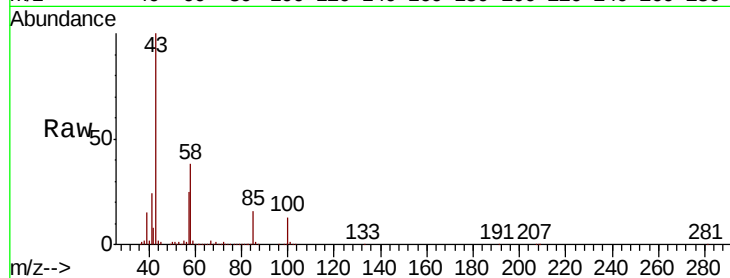
45.5

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:30 AM



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)

9.98

1000000

800000

600000

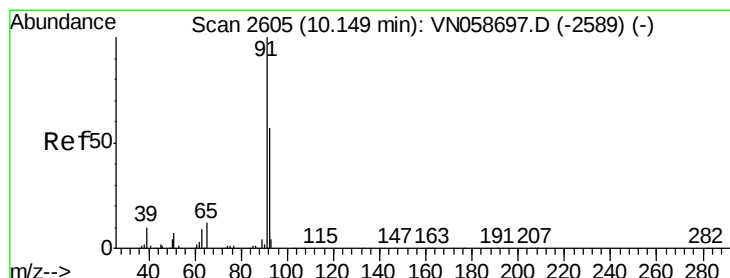
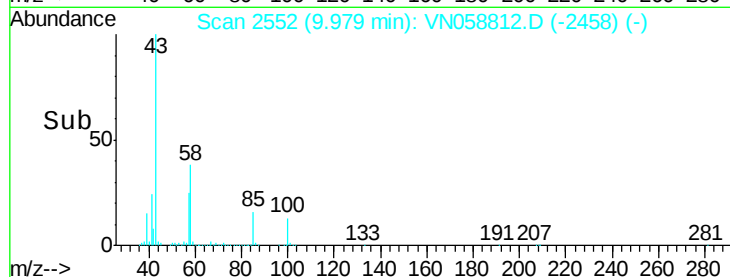
400000

200000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 53.010 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Tgt Ion: 92 Resp: 560455

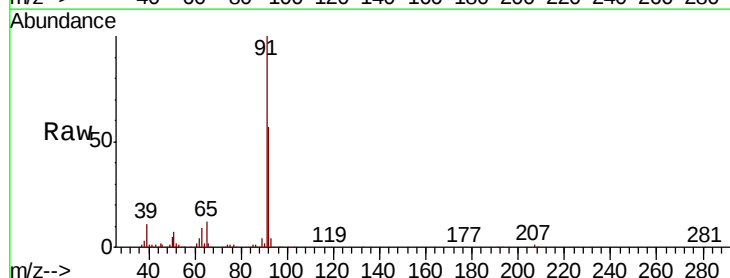
Ion Ratio Lower Upper

92 100

91 175.0

139.1

208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-2589) (-)

10.15

600000

500000

400000

300000

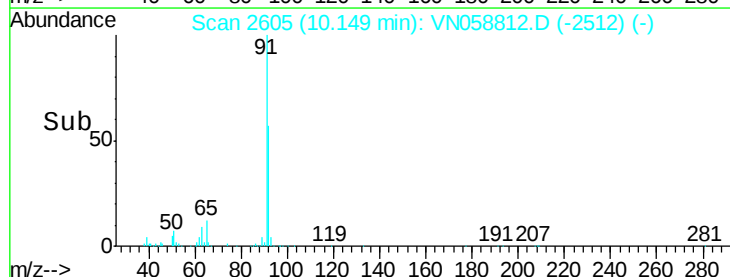
200000

100000

0

10.10 10.20

Time-->





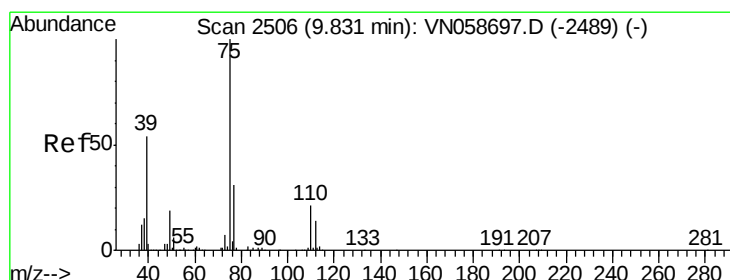
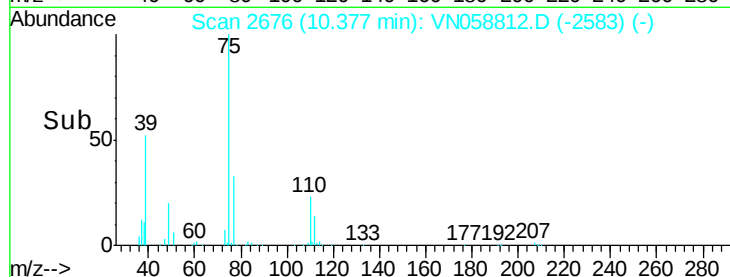
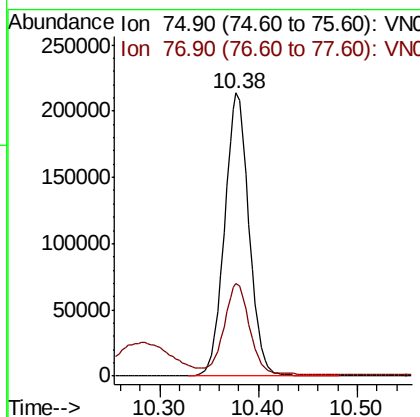
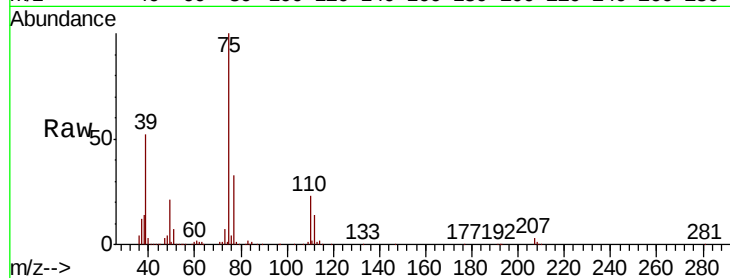
#53
t-1,3-Dichloropropene
Concen: 53.767 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.2	39.4

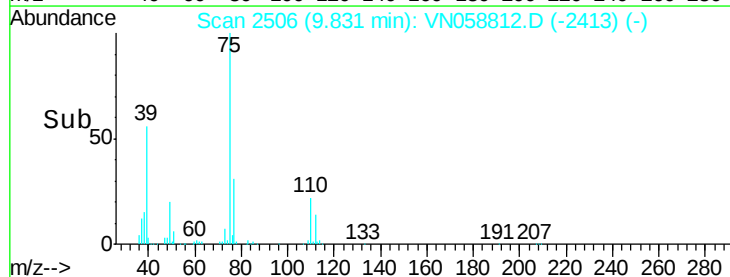
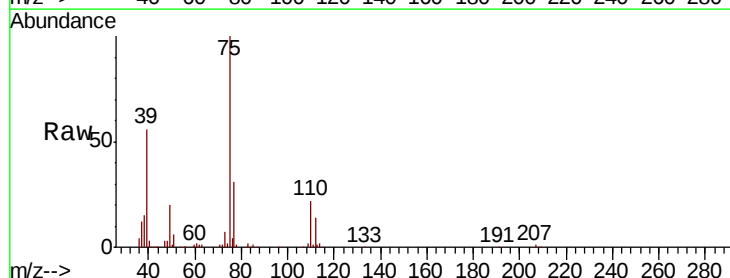
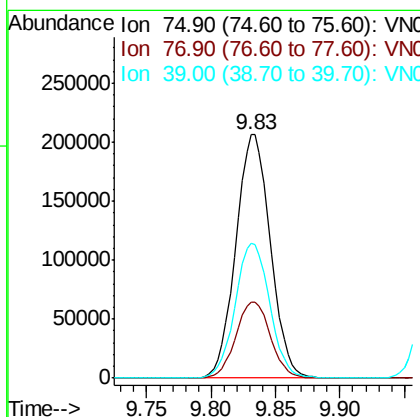
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:30 AM



#54
cis-1,3-Dichloropropene
Concen: 52.887 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.4	36.6
39	55.5	43.1	64.7





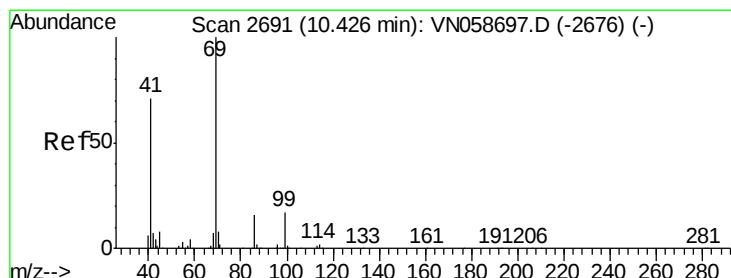
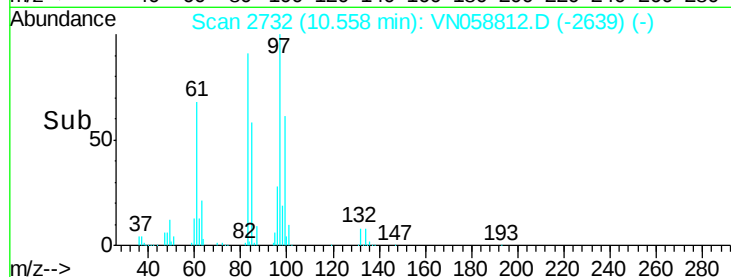
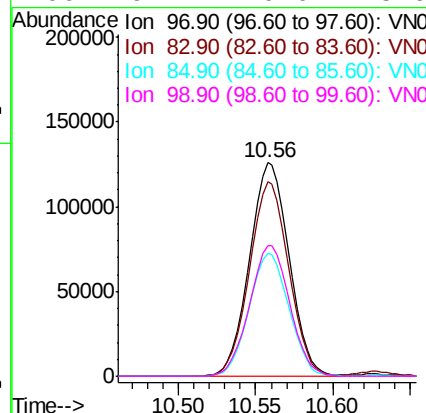
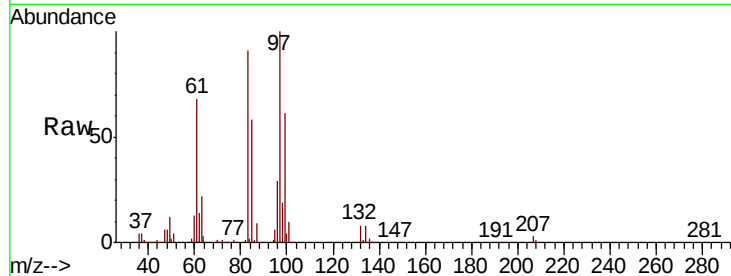
#55
 1,1,2-Trichloroethane
 Concen: 51.960 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MSD

Tot Ion:	97	Resp:	224846
Ion Ratio	Lower	Upper	
97	100		
83	90.9	71.2	106.8
85	57.6	46.7	70.1
99	61.4	49.0	73.6

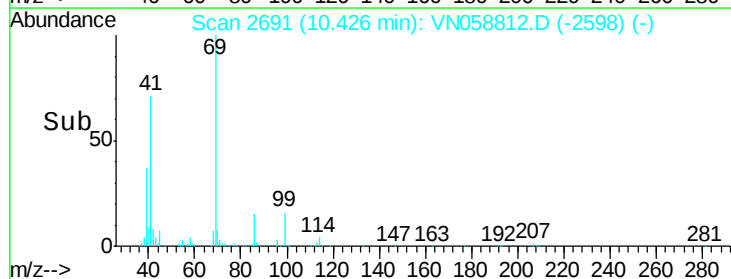
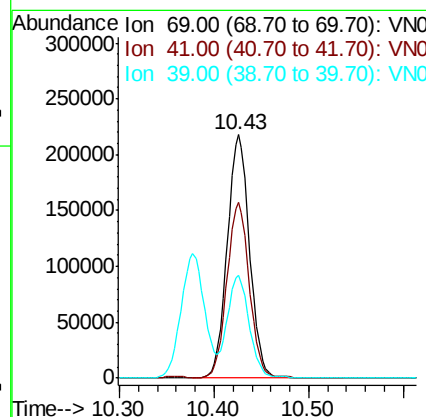
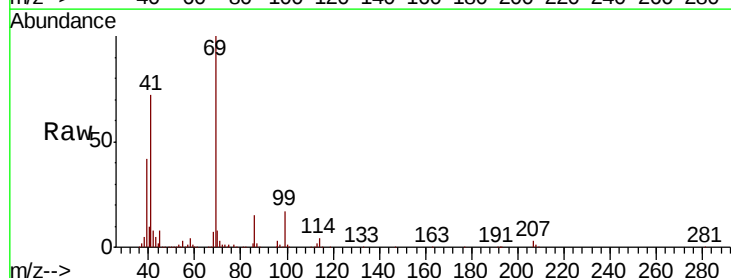
Manual Integrations
 APPROVED

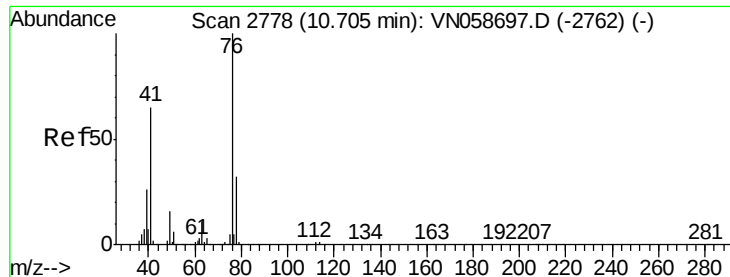
MMDadoda
 10/18/2019 12:51:30 AM



#56
 Ethyl methacrylate
 Concen: 56.418 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Tgt Ion:	69	Resp:	356667
Ion Ratio	Lower	Upper	
69	100		
41	71.4	56.8	85.2
39	41.0	32.5	48.7





#57

1,3-Dichloropropane

Concen: 54.187 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

Tot Ion: 76 Resp: 399575

Ion Ratio Lower Upper

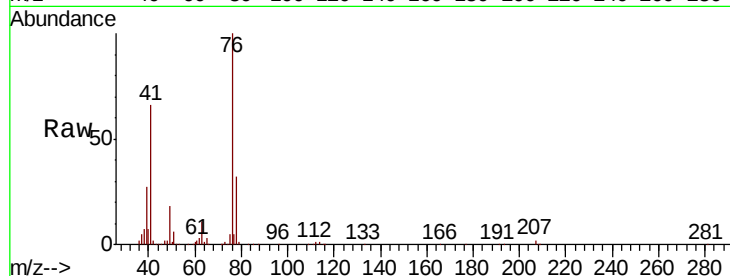
76 100

78 32.0 25.9 38.9

Manual Integrations
APPROVED

MMDadoda

10/18/2019 12:51:30 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

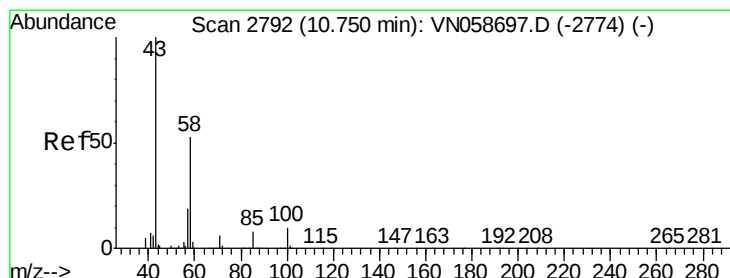
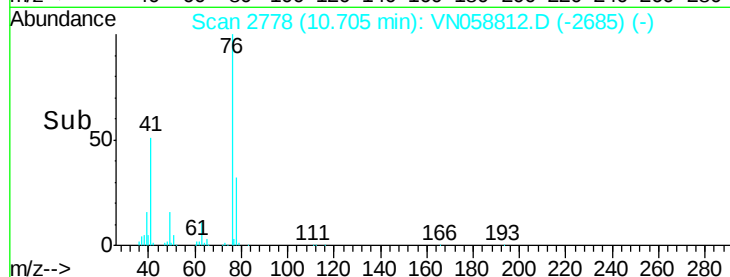
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#59

2-Hexanone

Concen: 287.084 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN058812.D

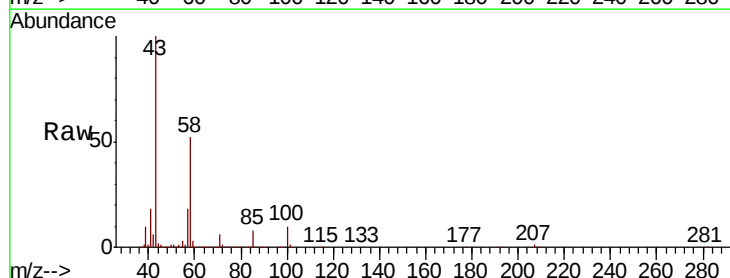
Acq: 16 Oct 2019 19:08

Tgt Ion: 43 Resp: 1292055

Ion Ratio Lower Upper

43 100

58 52.1 26.1 78.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

800000

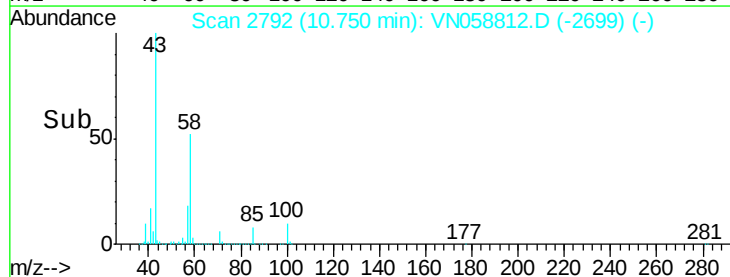
600000

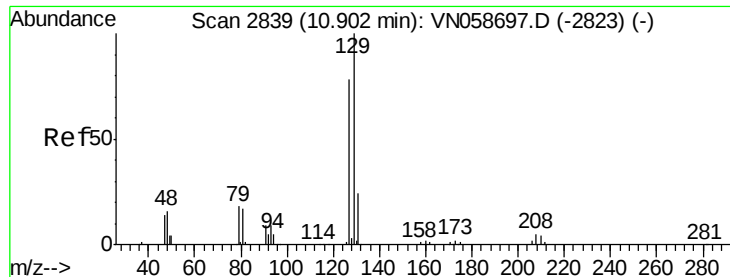
400000

200000

0

Time--> 10.60 10.70 10.80





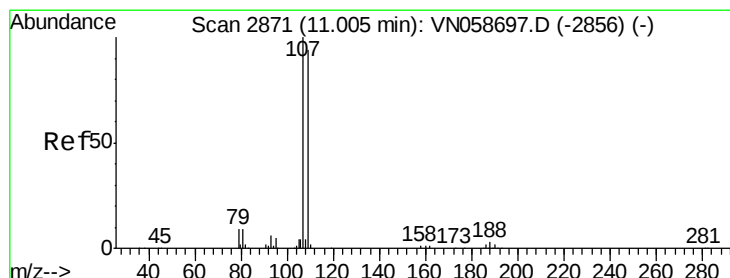
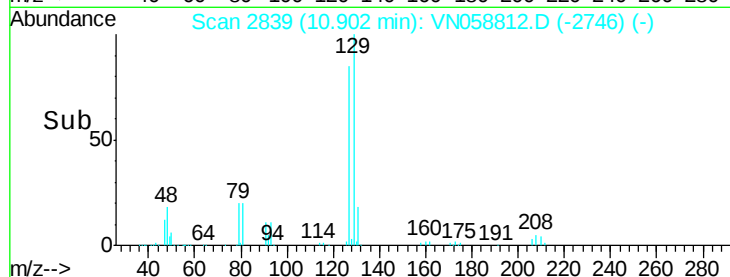
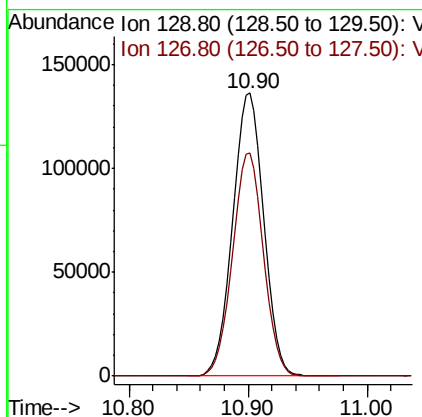
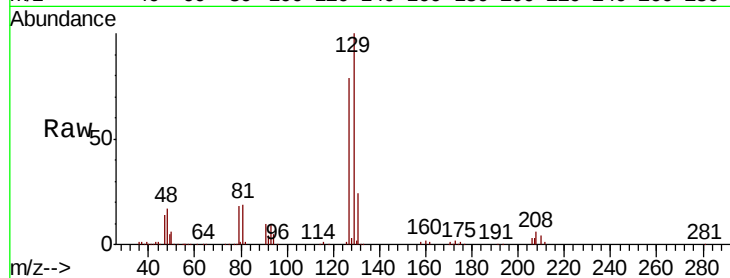
#60
Dibromochloromethane
Concen: 55.172 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.5	115.3

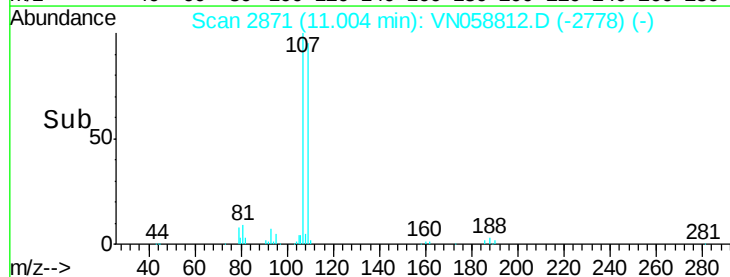
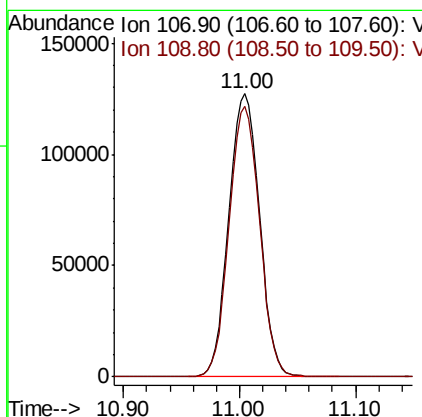
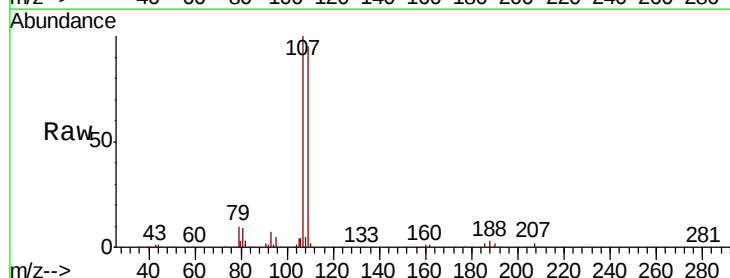
Manual Integrations
APPROVED

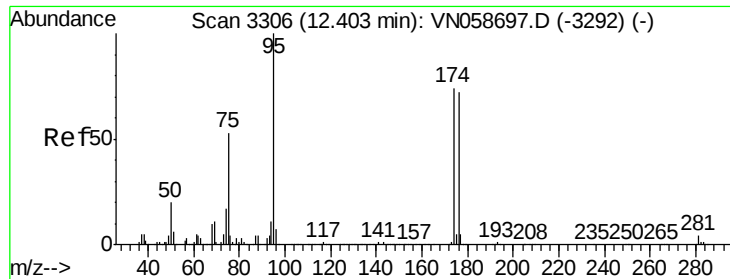
MMDadoda
10/18/2019 12:51:30 AM



#61
1,2-Dibromoethane
Concen: 53.779 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.4	113.0





#62

4-Bromofluorobenzene

Concen: 52.482 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

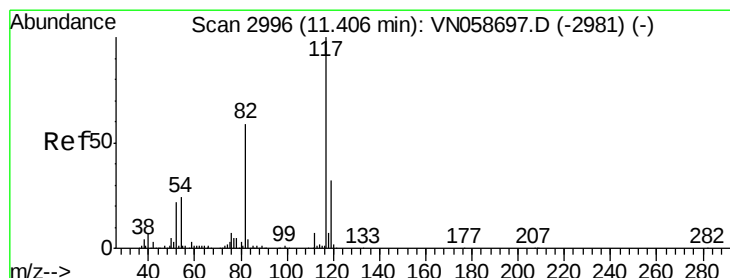
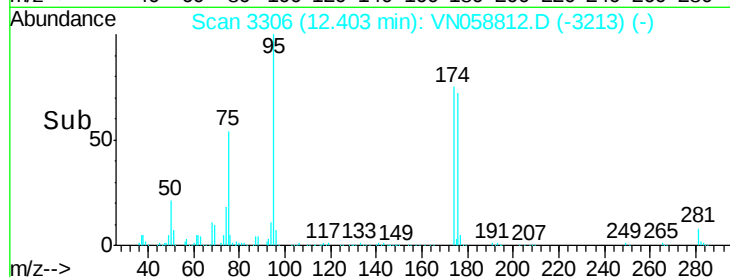
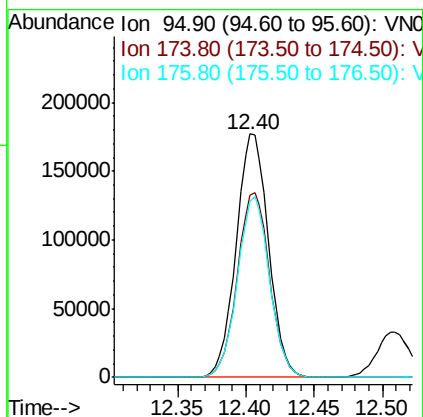
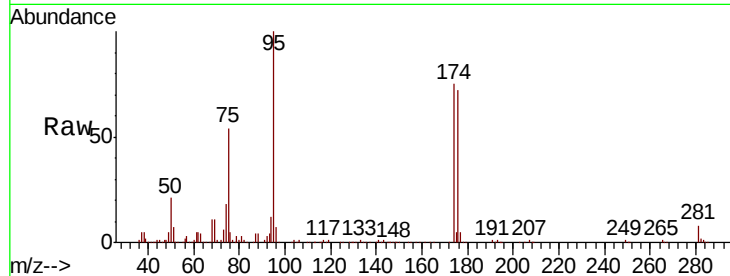
ClientSampleId :

FA19-MMW0006MSD

Tot Ion:	95	Resp:	292107
Ion Ratio	Lower	Upper	
95	100		
174	75.8	0.0	150.4
176	73.3	0.0	146.8

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:30 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

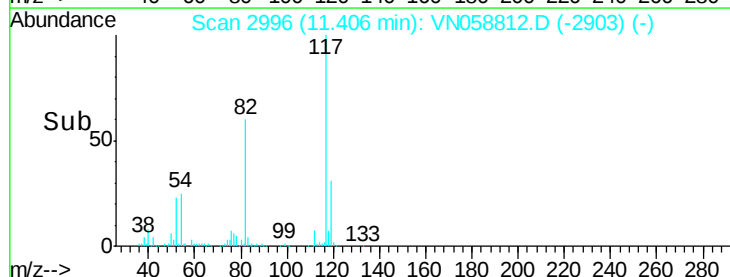
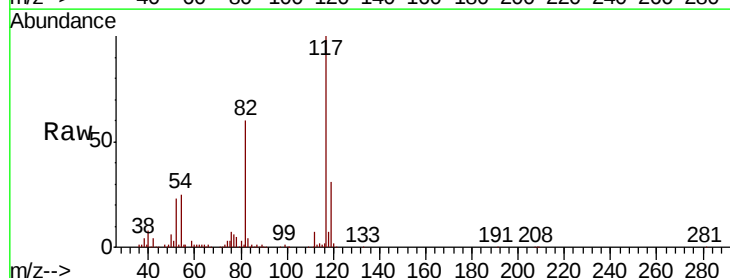
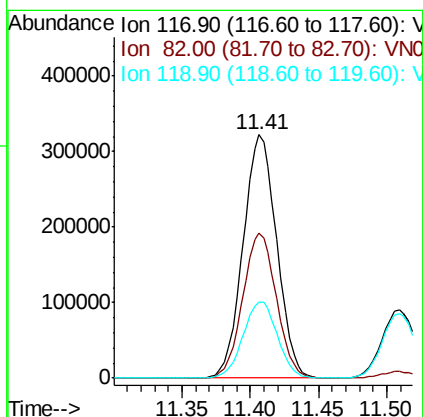
RT: 11.41 min Scan# 2996

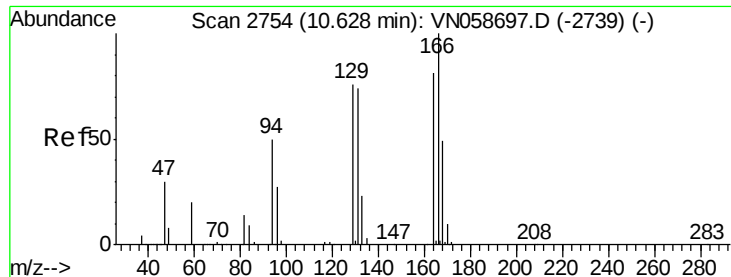
Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Tgt Ion:	117	Resp:	550561
Ion Ratio	Lower	Upper	
117	100		
82	59.6	47.0	70.4
119	31.4	25.4	38.2





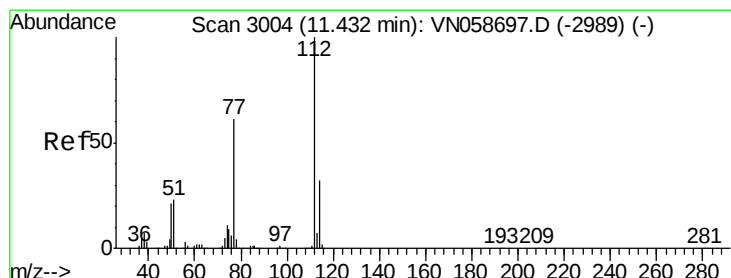
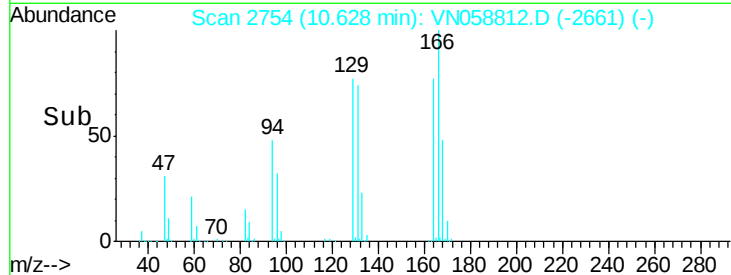
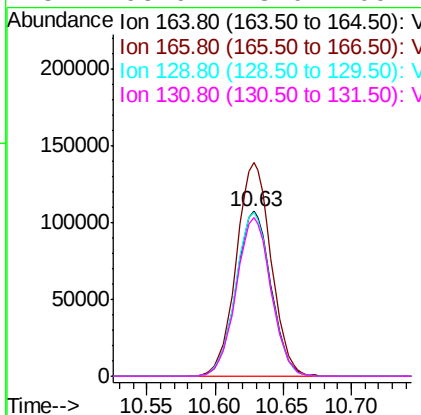
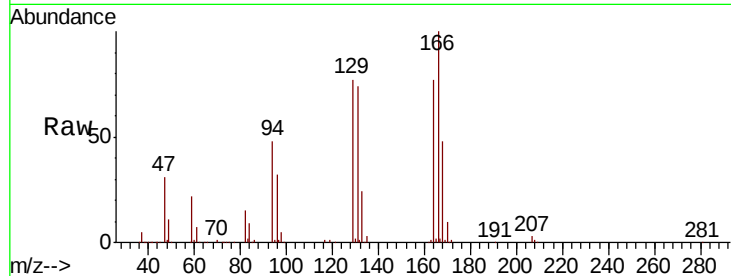
#64
Tetrachloroethene
Concen: 49.557 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	129.5	99.3	148.9	
129	99.1	75.2	112.8	
131	95.9	73.0	109.4	

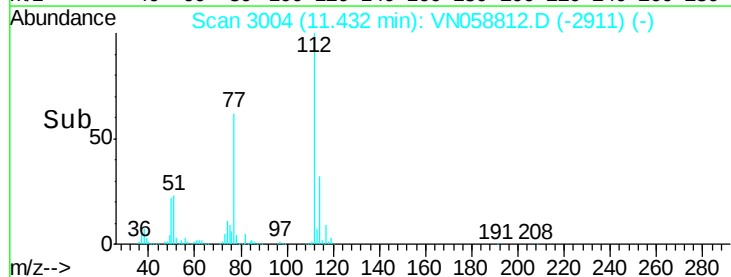
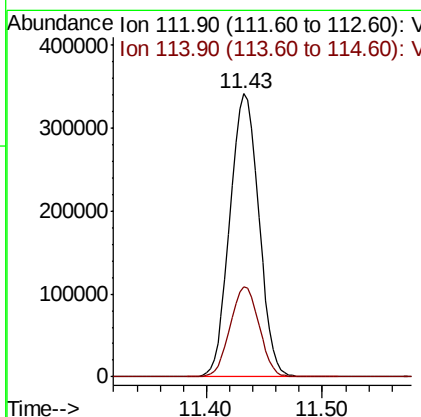
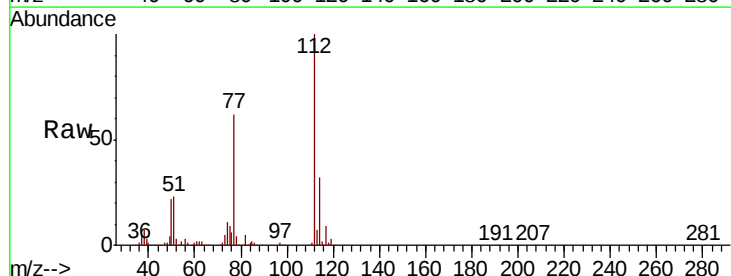
Manual Integrations
APPROVED

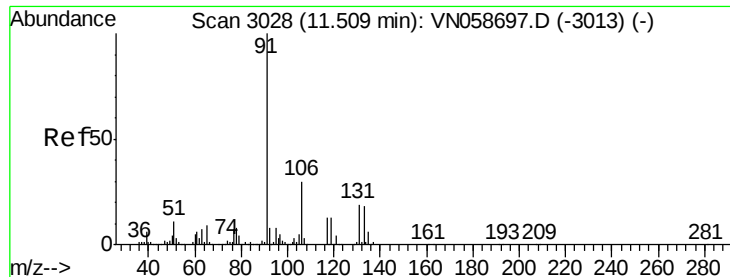
MMDadoda
10/18/2019 12:51:30 AM



#65
Chlorobenzene
Concen: 52.835 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	31.9	25.2	37.8	





#66

1,1,1,2-Tetrachloroethane

Concen: 54.734 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

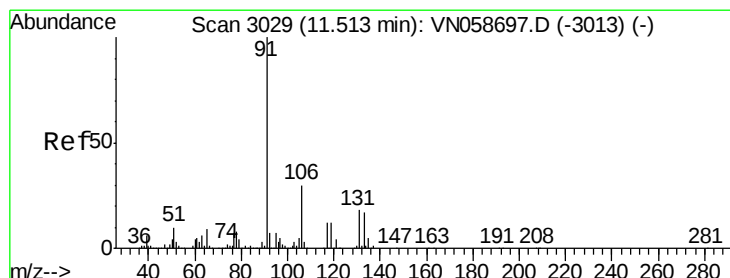
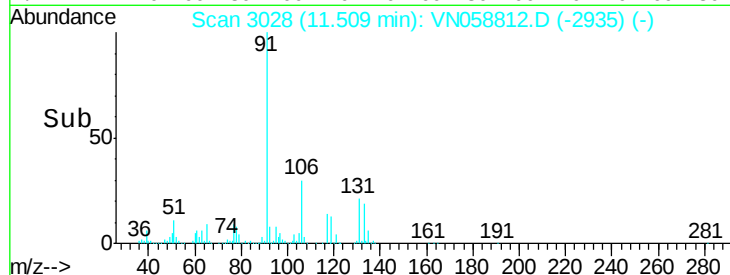
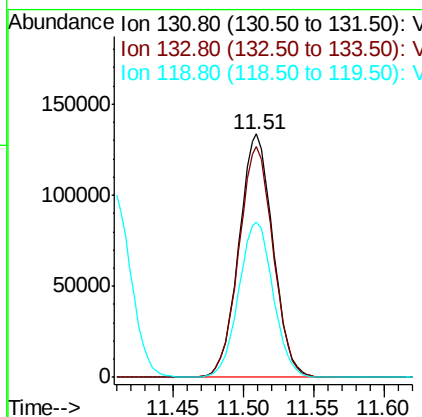
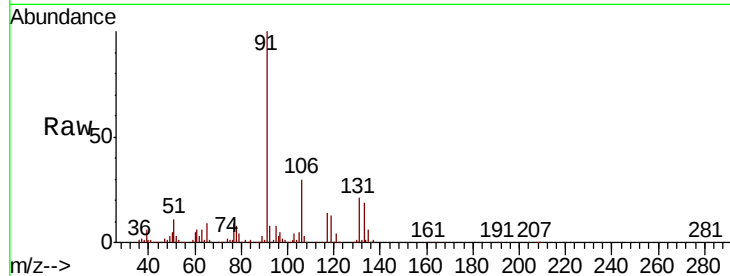
ClientSampleId :

FA19-MMW0006MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	226292		
133	95.3	47.6	142.9	
119	64.6	33.0	98.9	

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:30 AM



#67

Ethyl Benzene

Concen: 54.829 ug/l

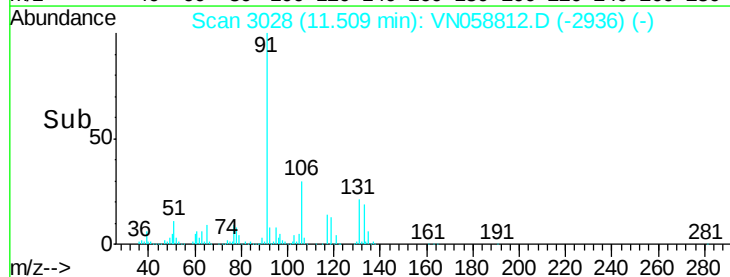
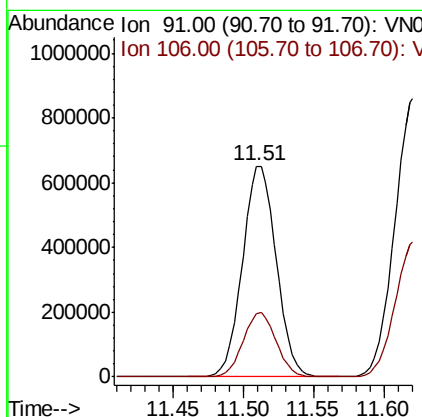
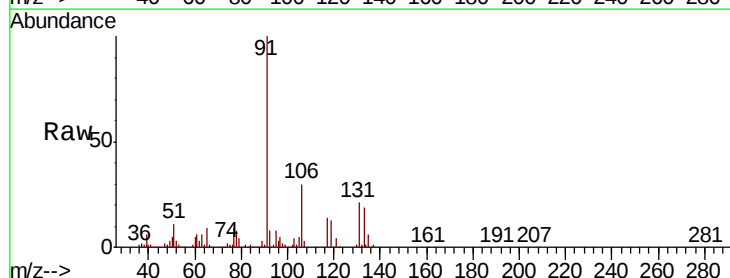
RT: 11.51 min Scan# 3028

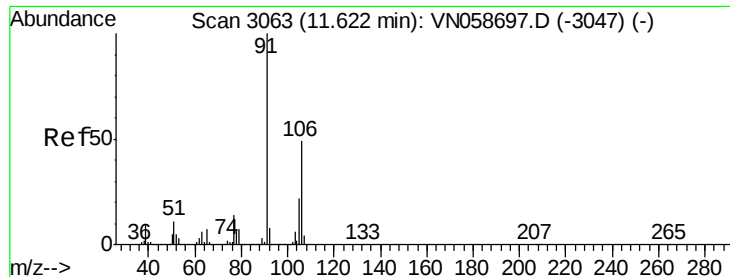
Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1092770		
106	30.1	24.1	36.1	





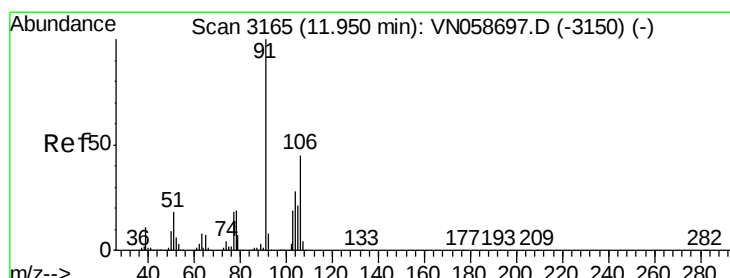
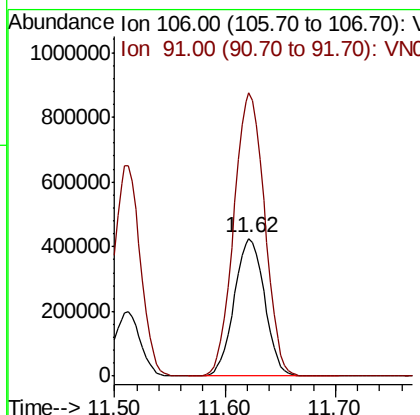
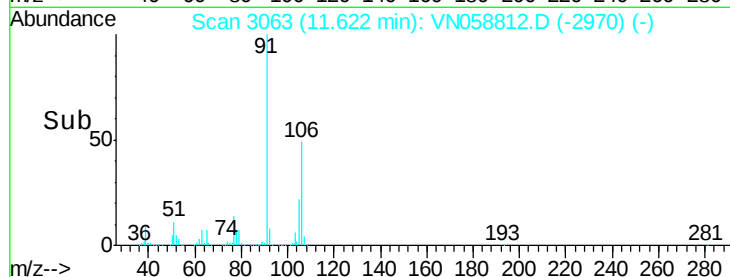
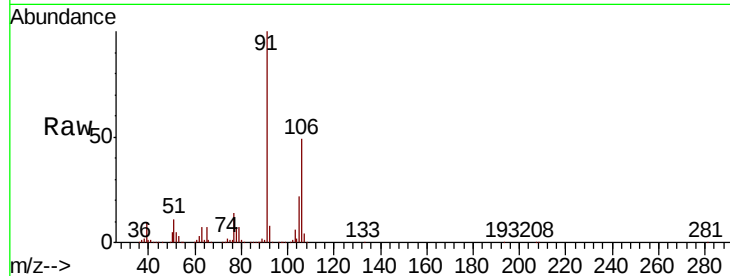
#68
m/p-Xylenes
Concen: 108.385 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

Tot Ion:106 Resp: 810656
Ion Ratio Lower Upper
106 100
91 208.4 165.7 248.5

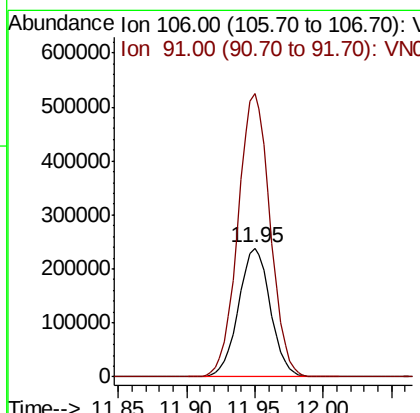
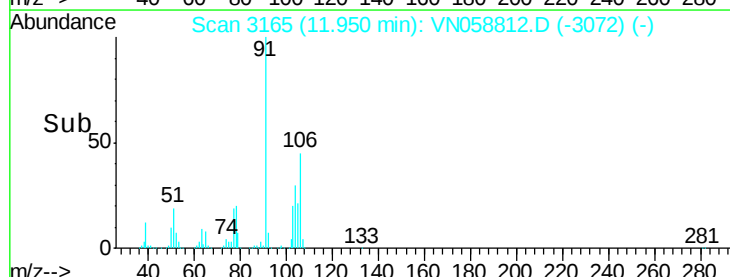
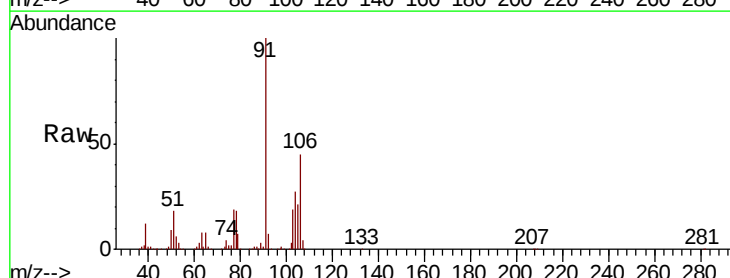
Manual Integrations
APPROVED

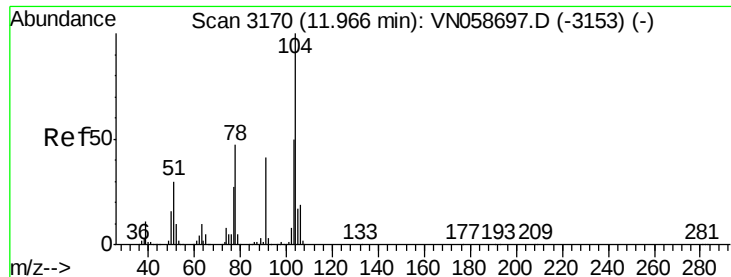
MMDadoda
10/18/2019 12:51:30 AM



#69
o-Xylene
Concen: 53.464 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion:106 Resp: 386894
Ion Ratio Lower Upper
106 100
91 221.9 110.9 332.9





#70

Stvrene

Concen: 54.485 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

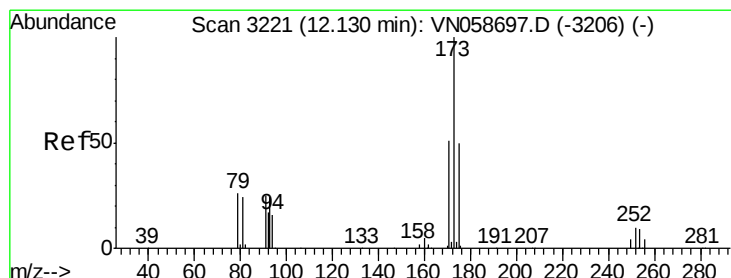
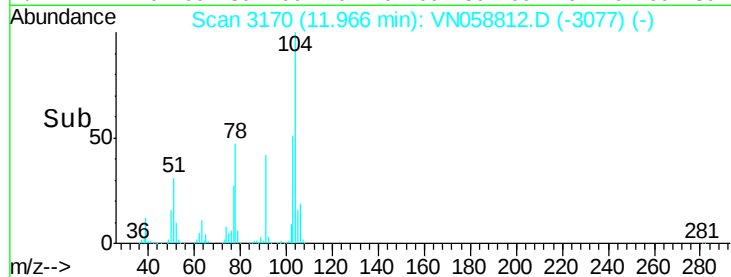
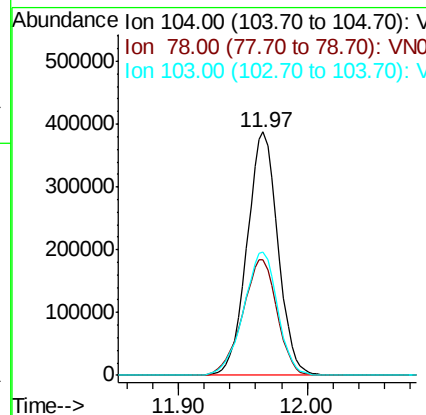
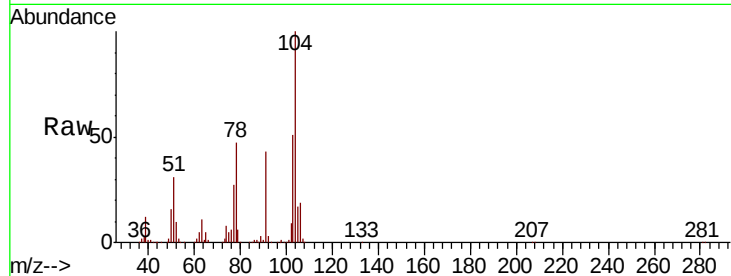
ClientSampleId :

FA19-MMW0006MSD

Tot Ion:	104	Resp:	646222
Ion Ratio	Lower	Upper	
104	100		
78	53.2	42.2	63.2
103	55.8	43.7	65.5

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:30 AM



#71

Bromoform

Concen: 58.239 ug/l

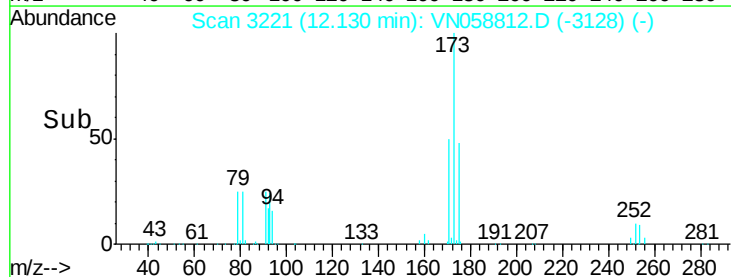
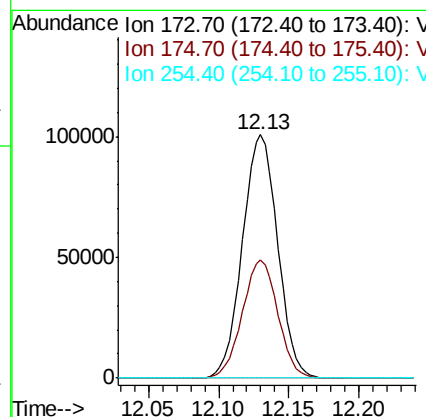
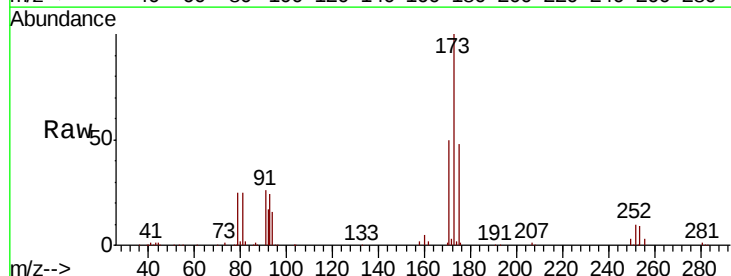
RT: 12.13 min Scan# 3221

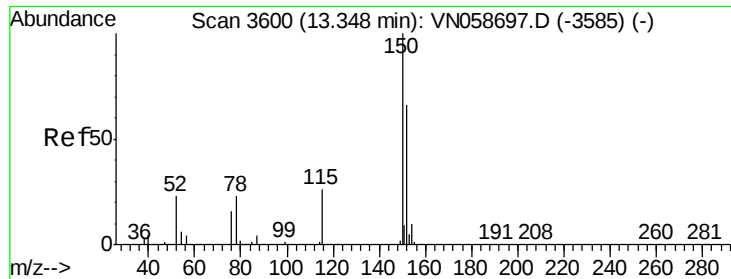
Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Tgt Ion:	173	Resp:	176490
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.6	73.8
254	0.0	0.1	0.1#





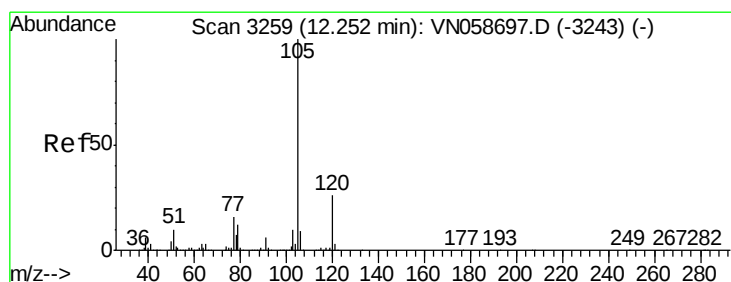
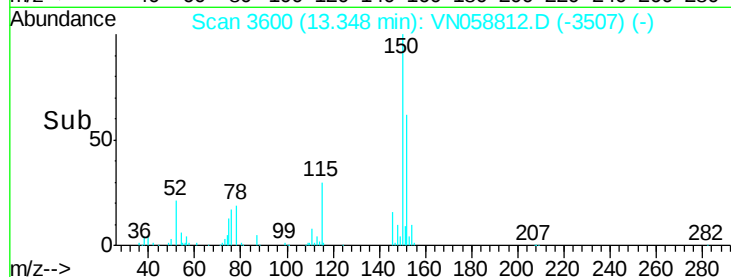
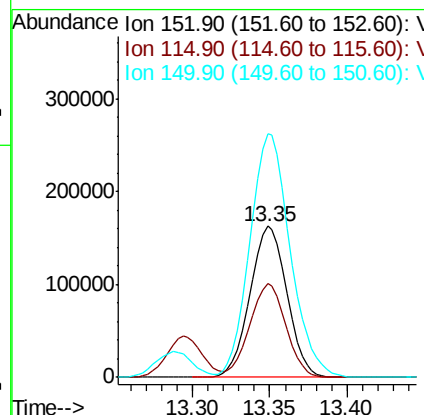
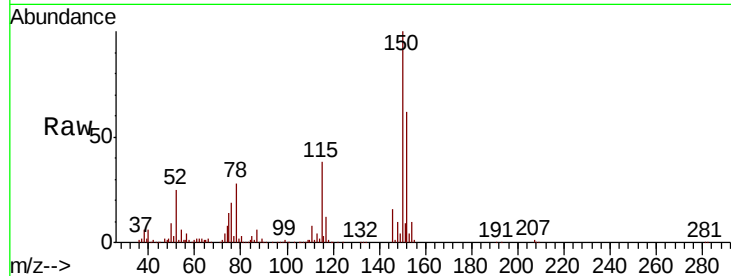
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MSD

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.4	91.2
150	176.2	0.0	345.4

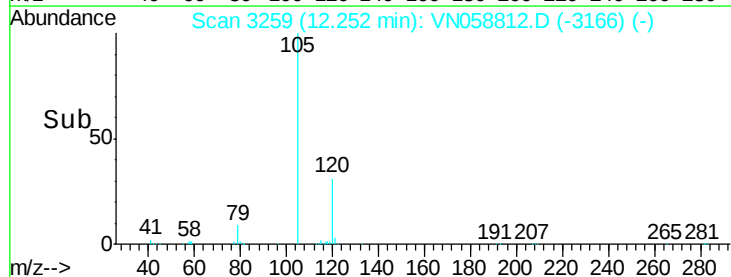
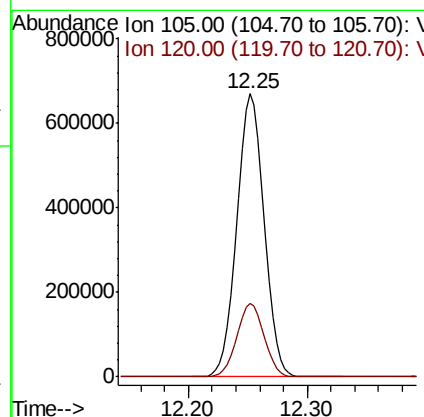
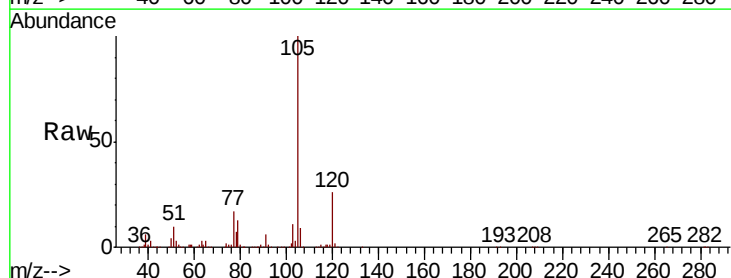
Manual Integrations
 APPROVED

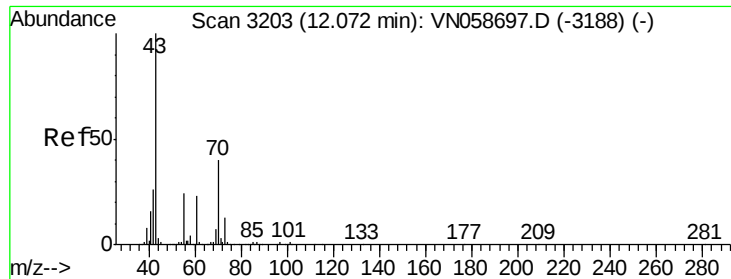
MMDadoda
 10/18/2019 12:51:30 AM



#73
 Isopropylbenzene
 Concen: 54.313 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.1	39.1





#74

N-amvl acetate

Concen: 54.188 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

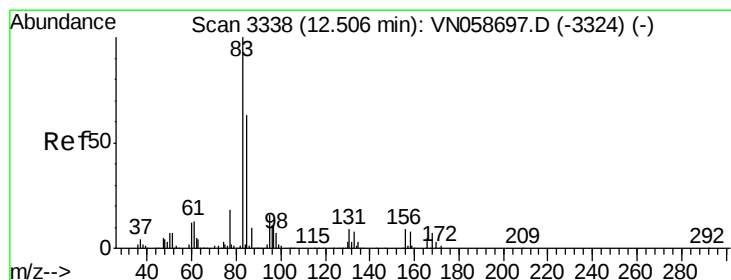
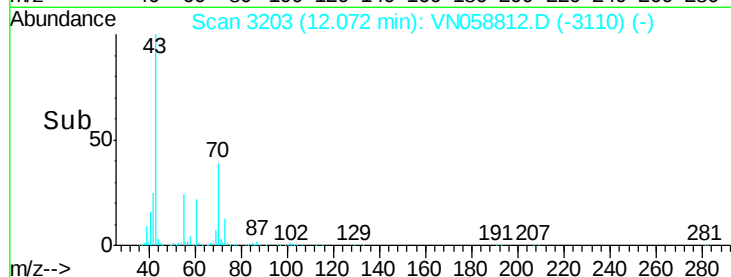
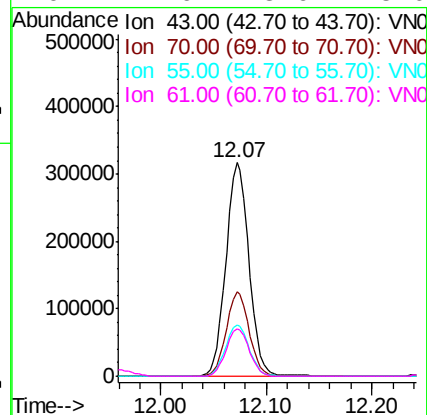
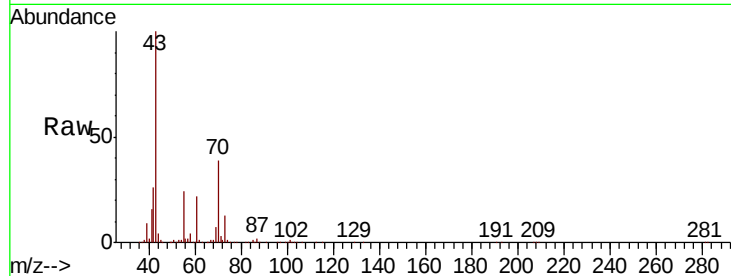
ClientSampleId :

FA19-MMW0006MSD

Tot Ion	Ratio	Lower	Upper
43	100		
70	39.6	32.2	48.4
55	24.9	19.6	29.4
61	22.6	18.6	28.0

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:30 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 54.506 ug/l

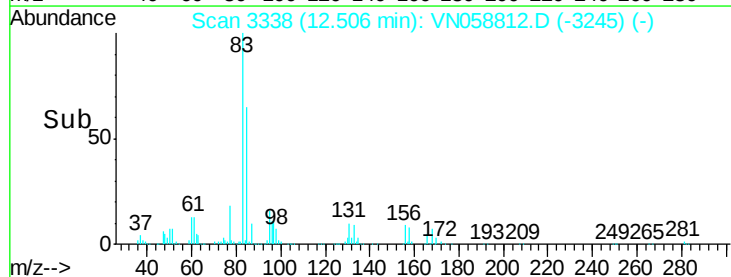
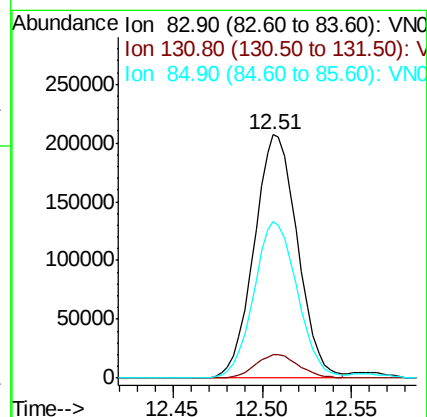
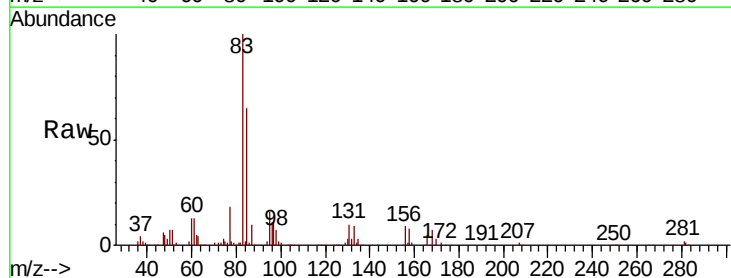
RT: 12.51 min Scan# 3338

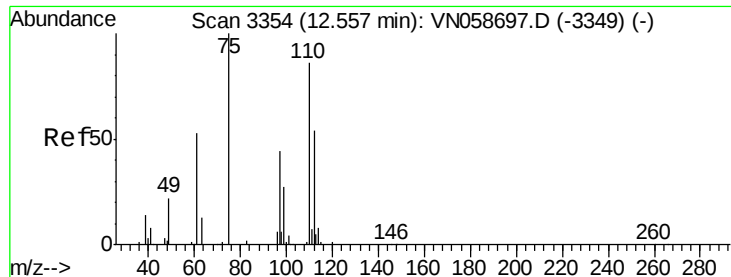
Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.4
85	64.5	31.9	95.5





#76

1,2,3-Trichloropropane

Concen: 54.506 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

Tot Ion: 75 Resp: 323524

Ion Ratio Lower Upper

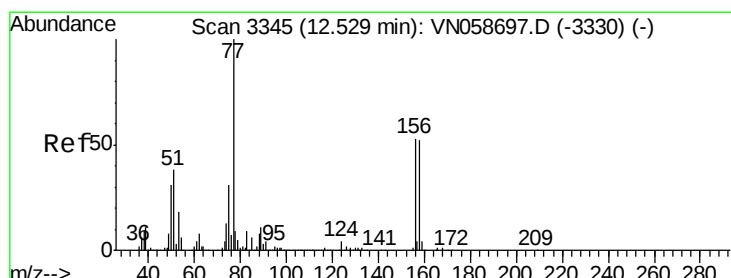
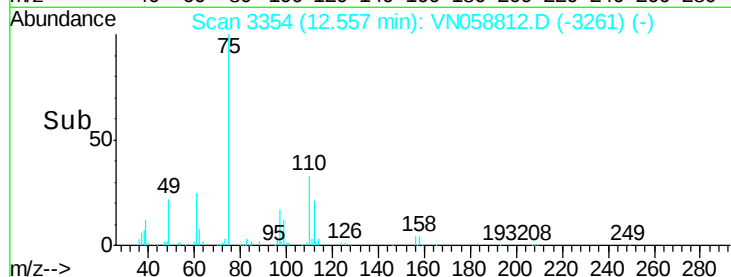
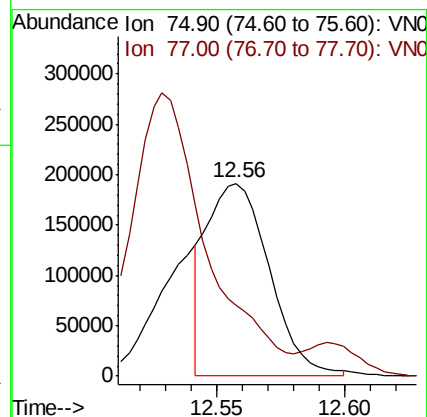
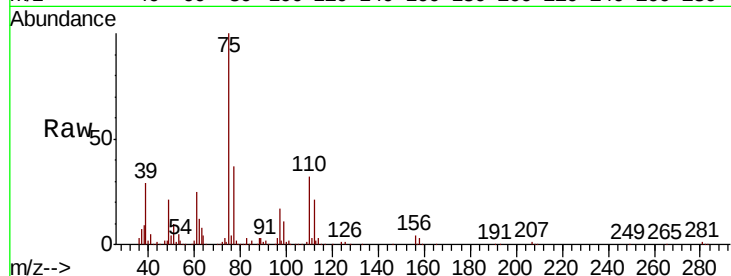
75 100

77 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

10/18/2019 12:51:30 AM



#77

Bromobenzene

Concen: 52.498 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

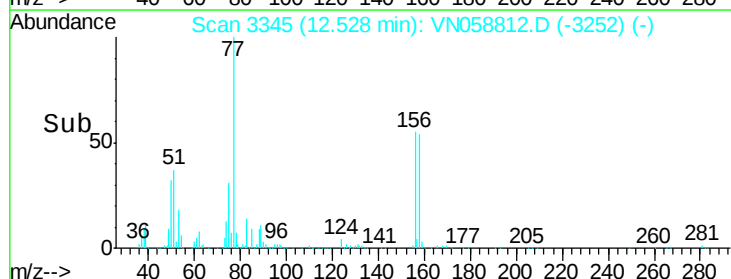
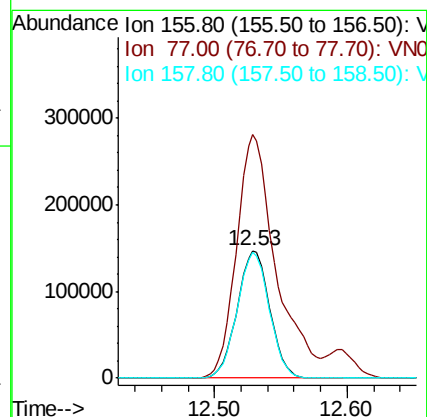
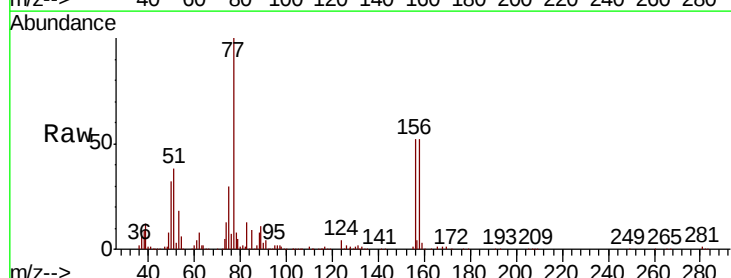
Tgt Ion: 156 Resp: 250216

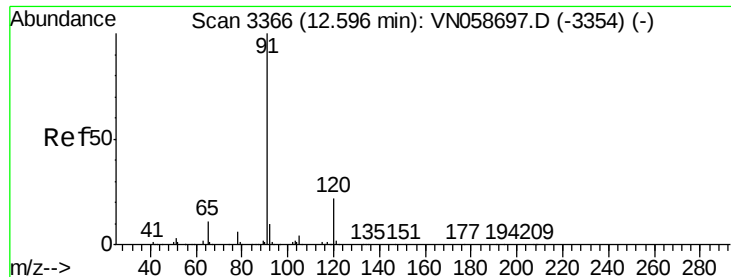
Ion Ratio Lower Upper

156 100

77 231.5 115.8 347.3

158 97.8 48.9 146.6





#78

n-propylbenzene

Concen: 55.234 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

Tot Ion: 91 Resp: 1261182

Ion Ratio Lower Upper

91 100

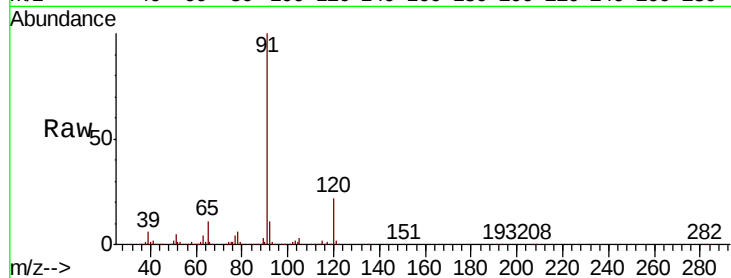
120 21.7 11.1 33.3

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:30 AM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

800000

600000

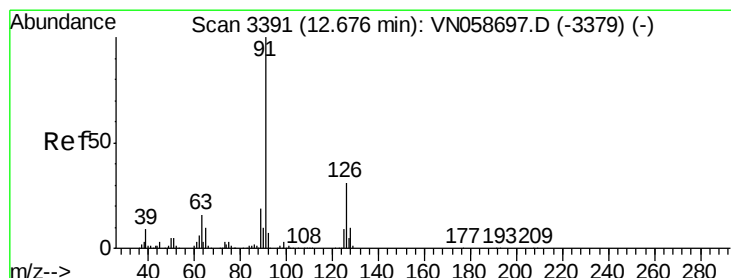
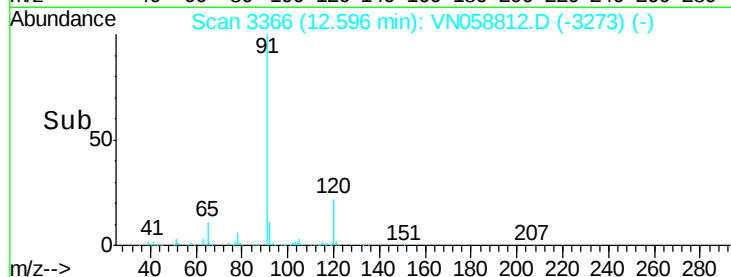
400000

200000

0

12.55 12.60 12.65

Time-->



#79

2-Chlorotoluene

Concen: 52.246 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058812.D

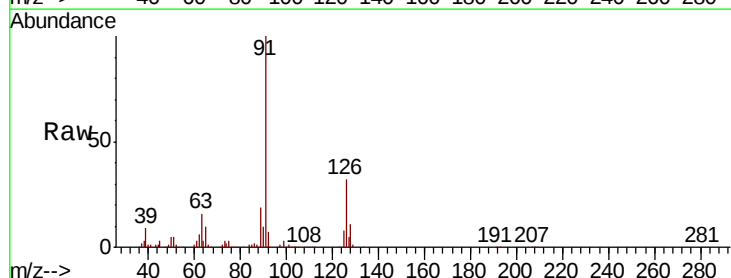
Acq: 16 Oct 2019 19:08

Tgt Ion: 91 Resp: 740439

Ion Ratio Lower Upper

91 100

126 32.3 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

800000

600000

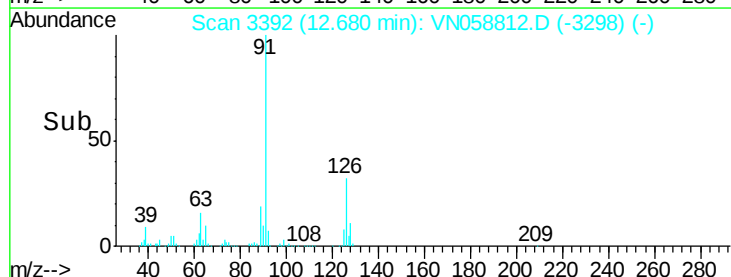
400000

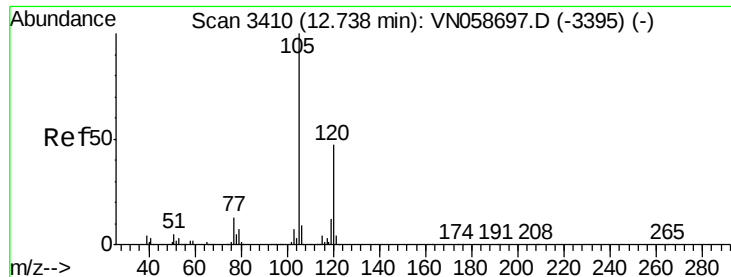
200000

0

12.65 12.70

Time-->





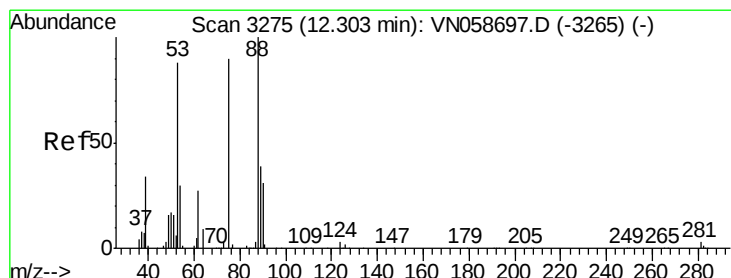
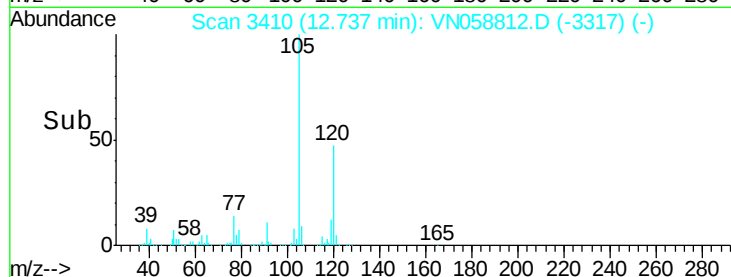
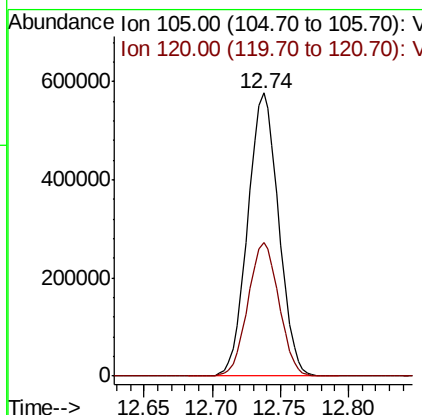
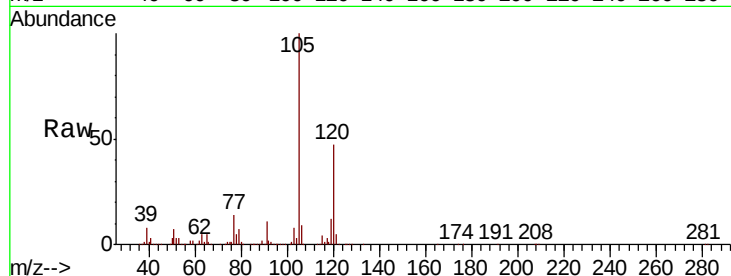
#80
1,3,5-Trimethylbenzene
Concen: 54.072 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.4	70.2

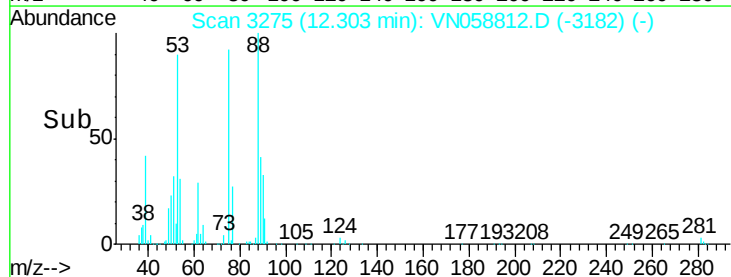
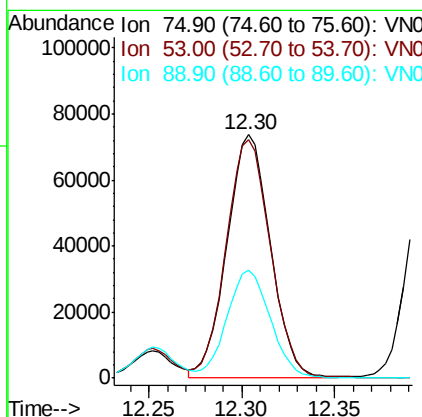
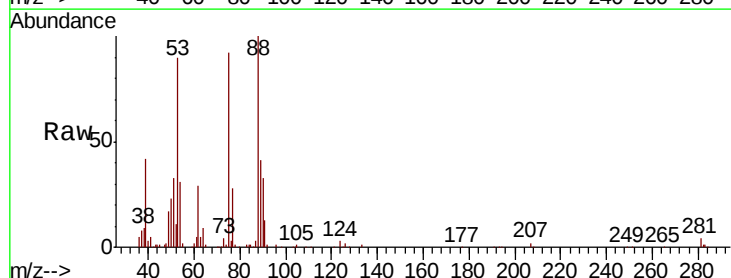
Manual Integrations
APPROVED

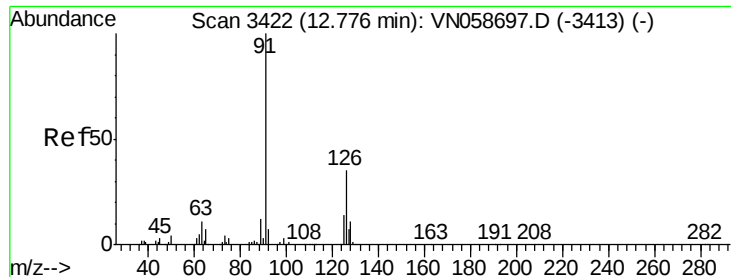
MMDadoda
10/18/2019 12:51:30 AM



#81
trans-1,4-Dichloro-2-butene
Concen: 54.052 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
75	100		
53	100.5	78.4	117.6
89	44.4	34.9	52.3





#82

4-Chlorotoluene

Concen: 53.163 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

Tot Ion: 91 Resp: 773143

Ion Ratio Lower Upper

91 100

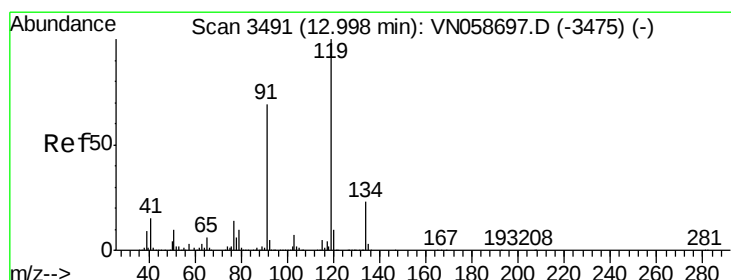
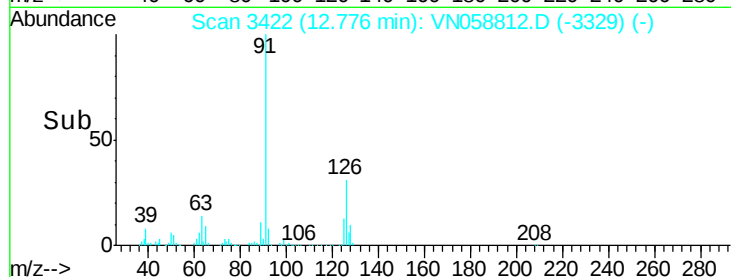
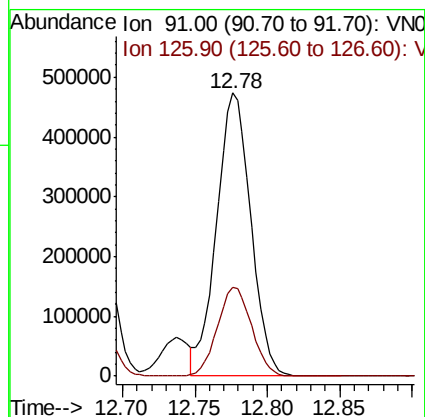
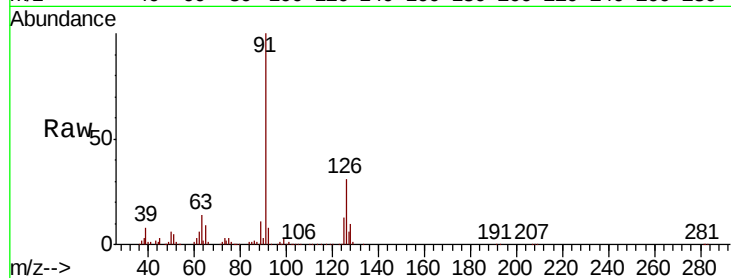
126 31.4 15.9 47.6

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:30 AM



#83

tert-Butylbenzene

Concen: 53.684 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

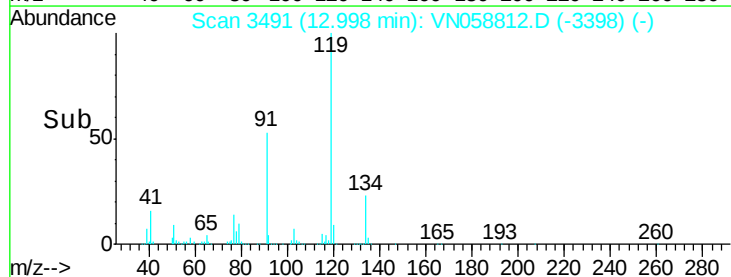
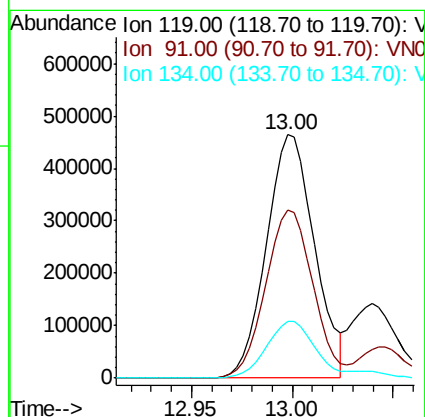
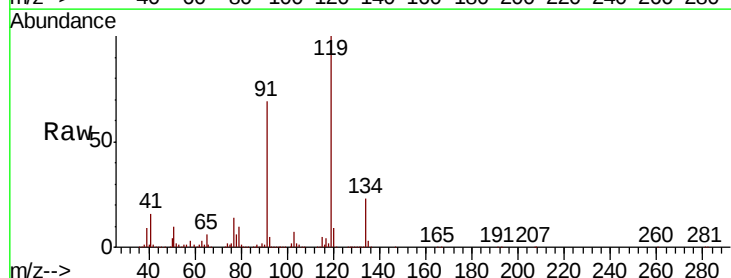
Tgt Ion: 119 Resp: 769367

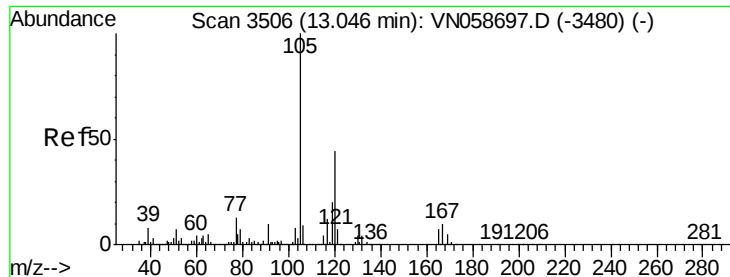
Ion Ratio Lower Upper

119 100

91 67.9 33.8 101.3

134 23.3 12.6 37.6





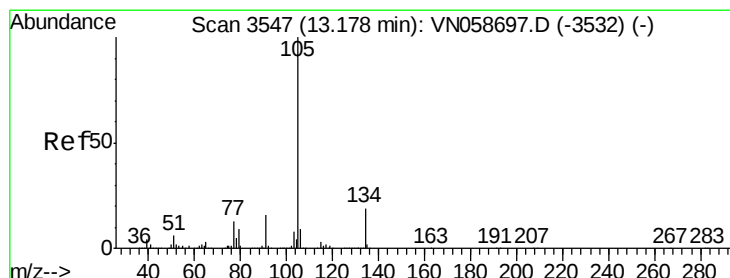
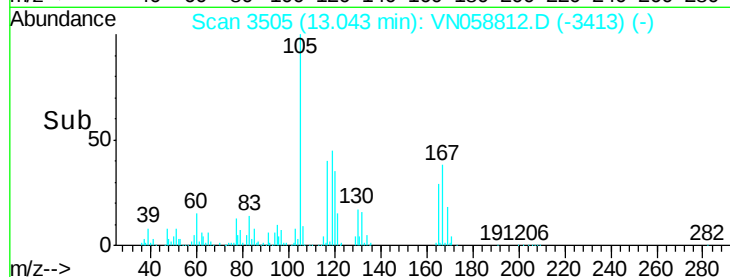
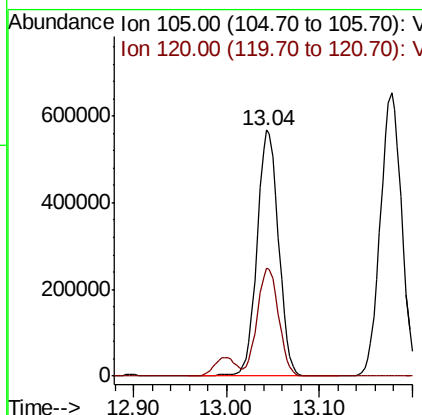
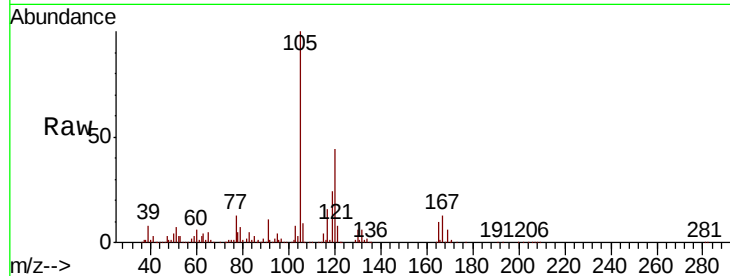
#84
1,2,4-Trimethylbenzene
Concen: 55.024 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

Tot Ion:105 Resp: 913811
Ion Ratio Lower Upper
105 100
120 44.0 21.9 65.7

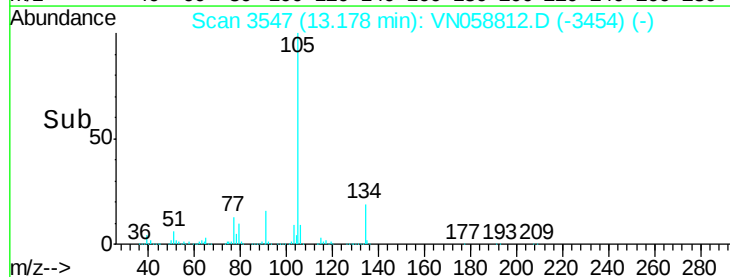
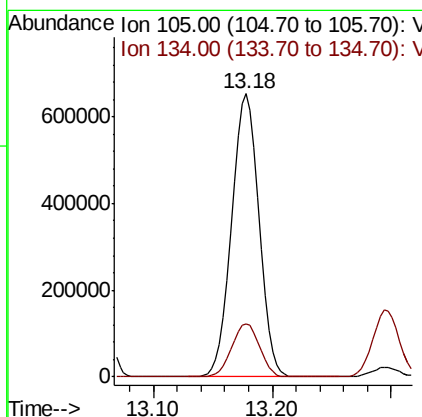
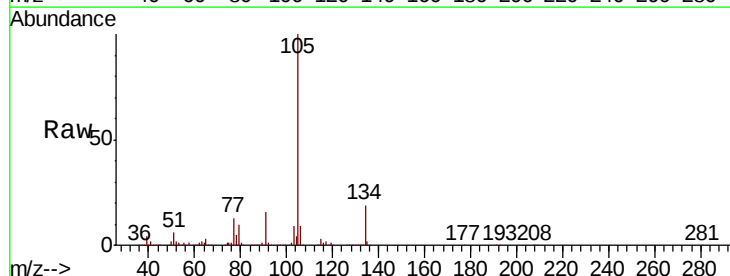
Manual Integrations
APPROVED

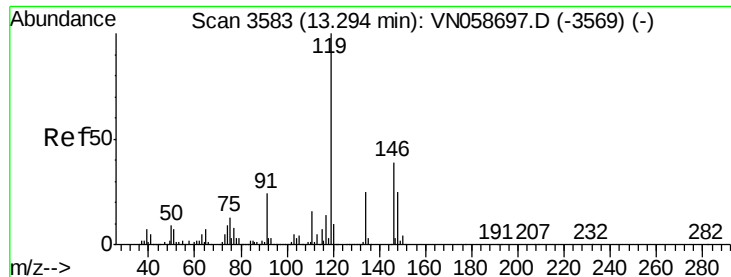
MMDadoda
10/18/2019 12:51:30 AM



#85
sec-Butylbenzene
Concen: 55.013 ug/l
RT: 13.18 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion:105 Resp: 1038871
Ion Ratio Lower Upper
105 100
134 19.2 9.7 29.1





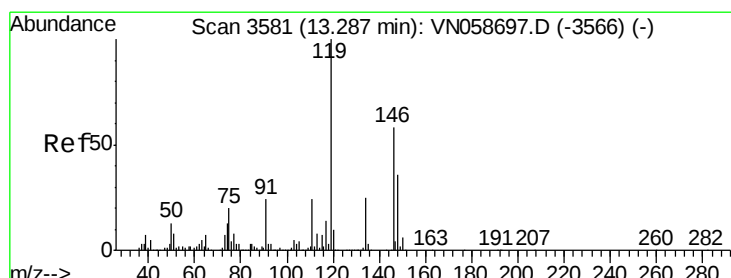
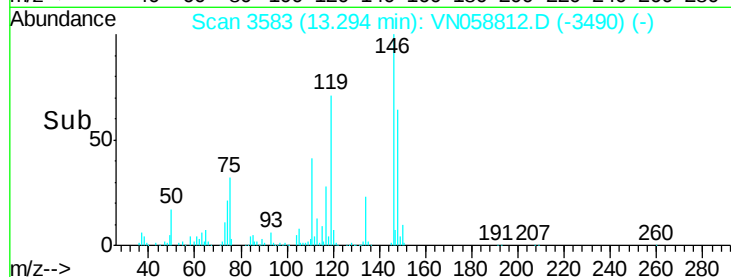
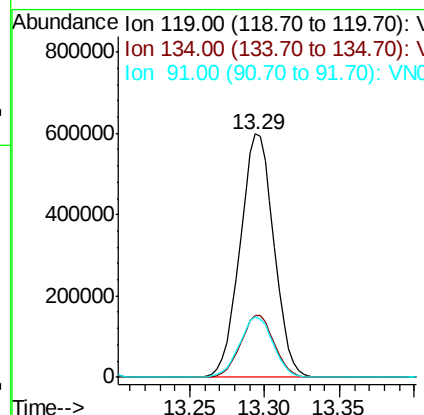
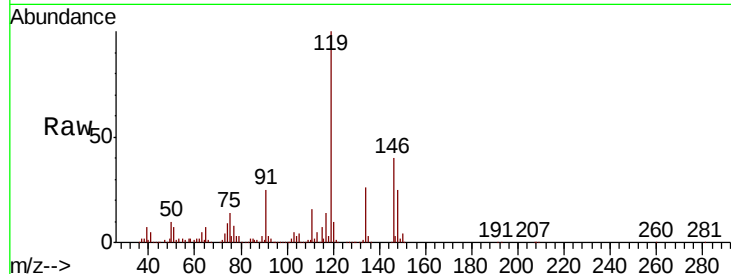
#86
 p-Isopropyltoluene
 Concen: 54.527 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.7	38.1
91	24.7	11.9	35.5

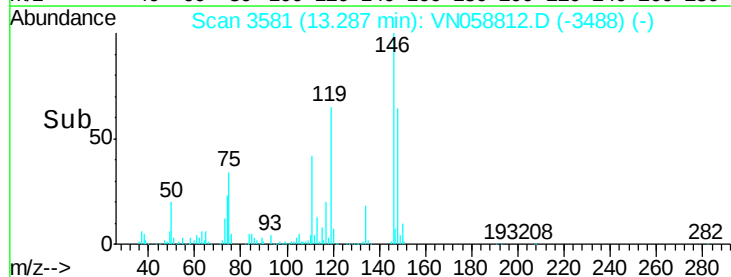
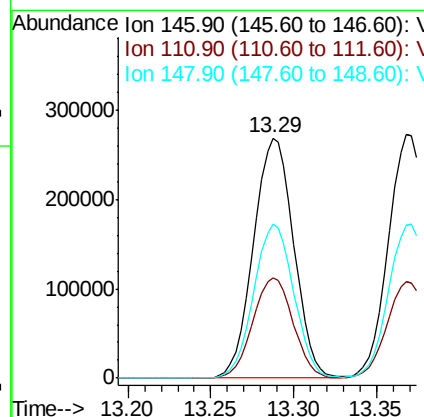
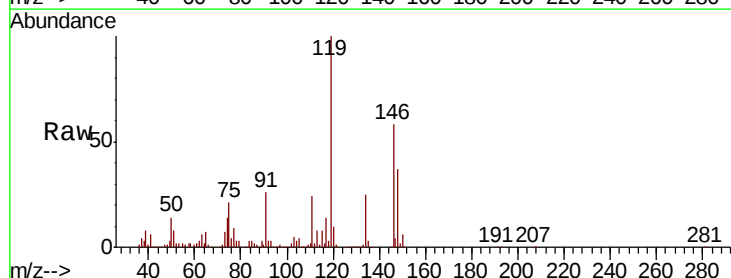
Manual Integrations
 APPROVED

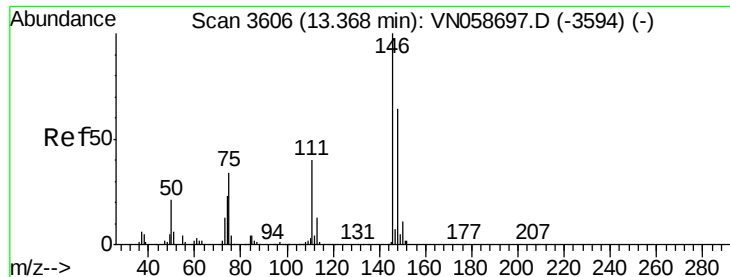
MMDadoda
 10/18/2019 12:51:30 AM



#87
 1,3-Dichlorobenzene
 Concen: 51.545 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.5	61.6
148	63.9	31.3	93.9





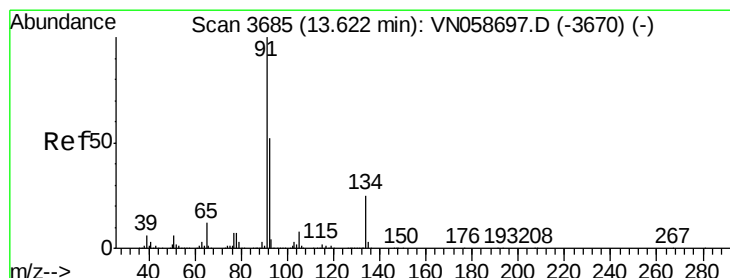
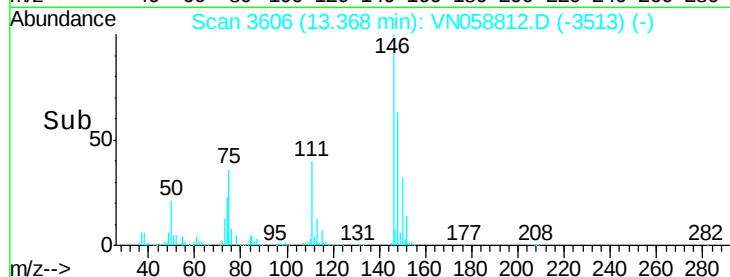
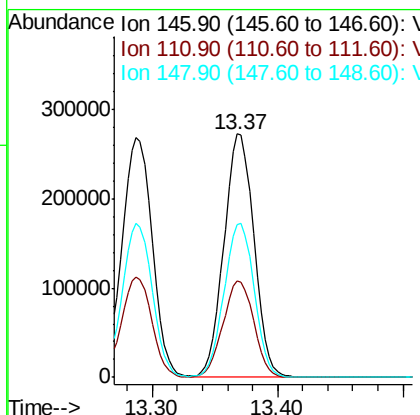
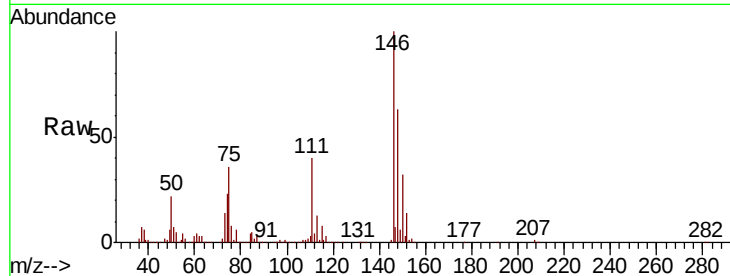
#88
 1,4-Dichlorobenzene
 Concen: 50.699 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.2
148	63.8	31.9	95.7

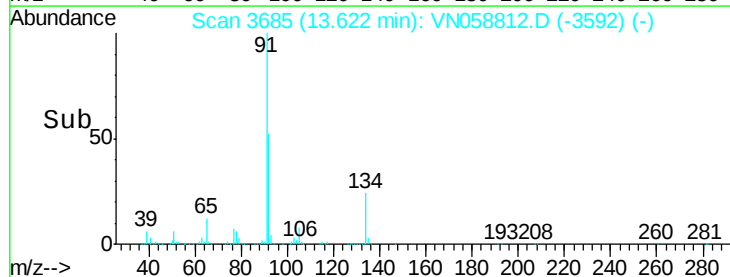
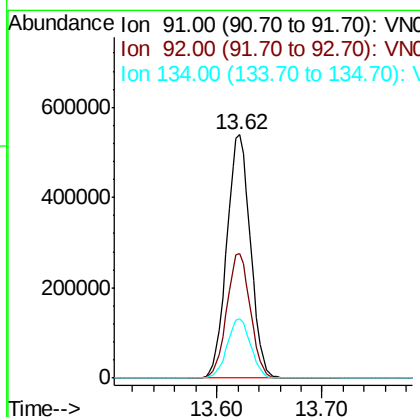
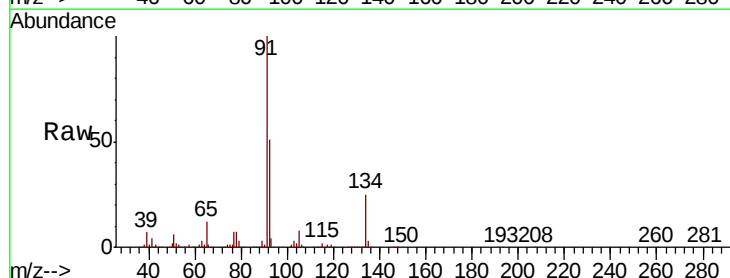
Manual Integrations
 APPROVED

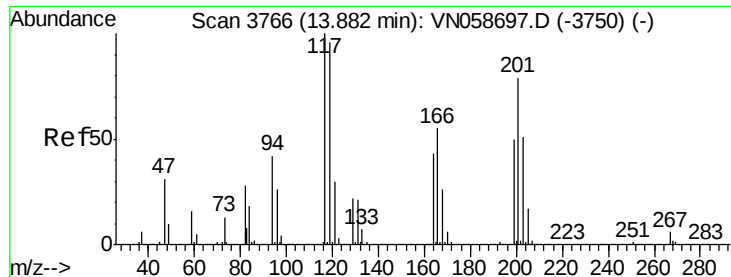
MMDadoda
 10/18/2019 12:51:30 AM



#89
 n-Butylbenzene
 Concen: 52.517 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.0	78.0
134	24.1	12.2	36.6





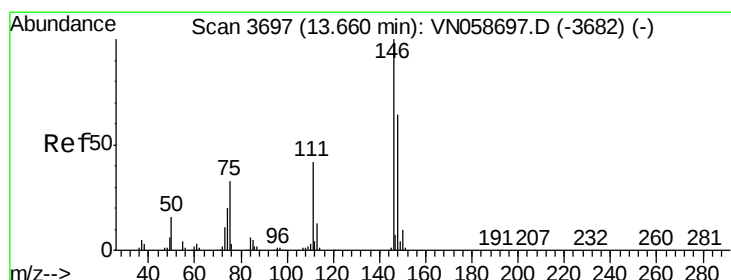
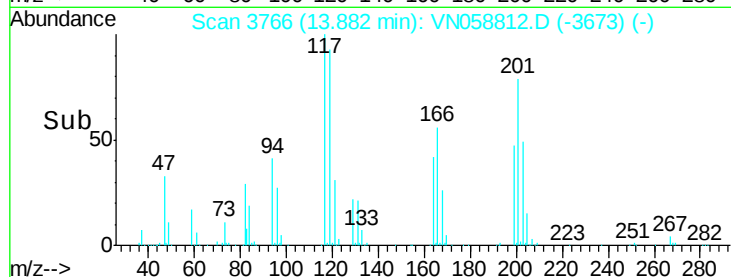
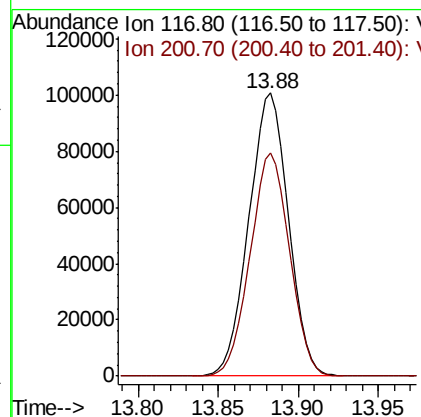
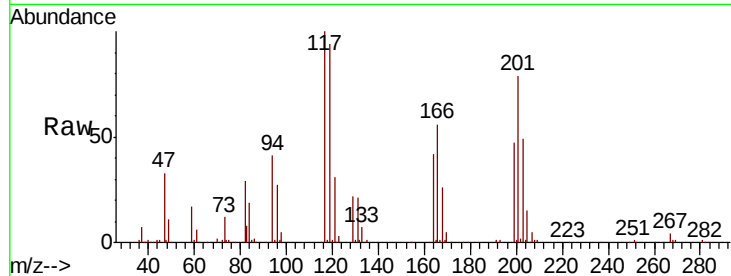
#90
Hexachloroethane
Concen: 55.607 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	170768		
201	78.7	39.6	118.7	

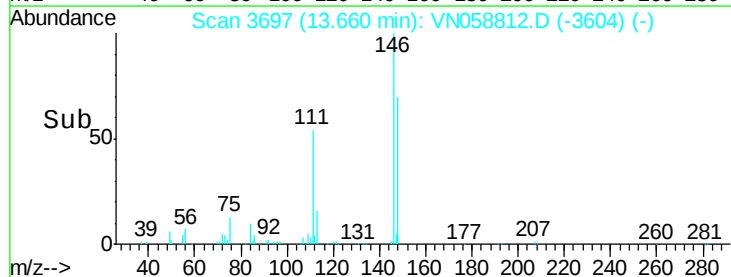
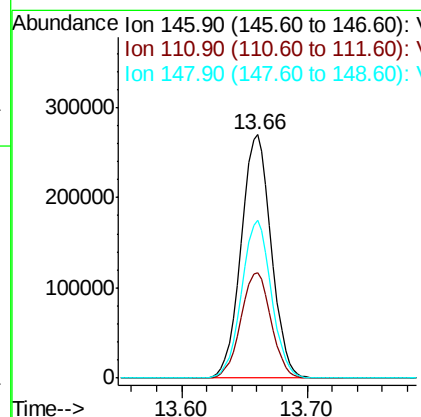
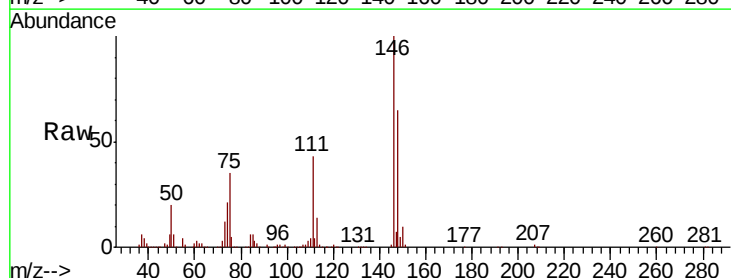
Manual Integrations
APPROVED

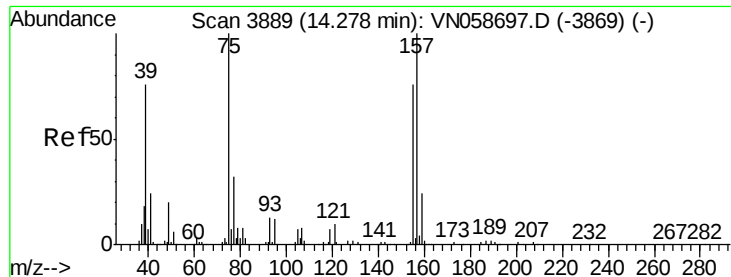
MMDadoda
10/18/2019 12:51:30 AM



#91
1,2-Dichlorobenzene
Concen: 52.458 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	449400		
111	43.6	21.1	63.4	
148	64.2	31.8	95.3	





#92

1,2-Dibromo-3-Chloropropane

Concen: 50.302 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

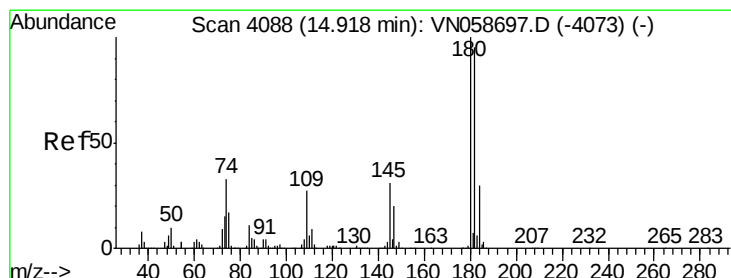
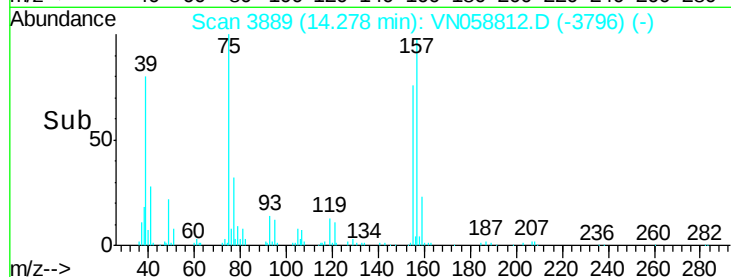
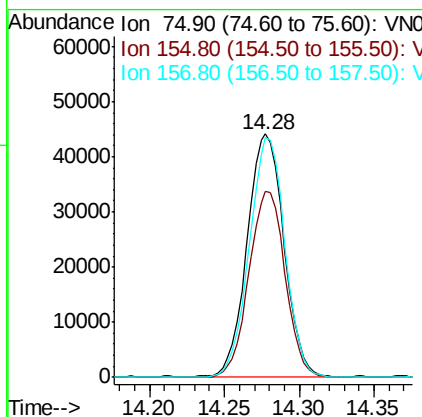
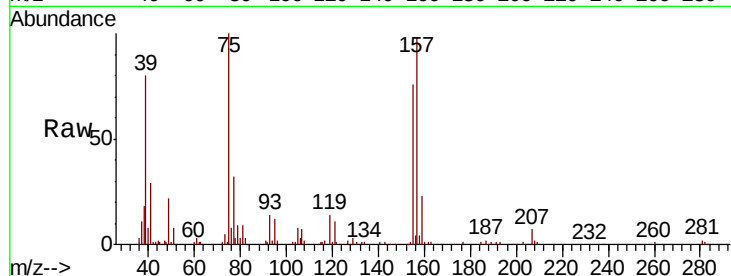
ClientSampleId :

FA19-MMW0006MSD

Tot Ion:	75	Resp:	75859
Ion Ratio	Lower	Upper	
75	100		
155	75.0	37.9	113.6
157	94.9	49.4	148.2

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:30 AM



#93

1,2,4-Trichlorobenzene

Concen: 49.376 ug/l

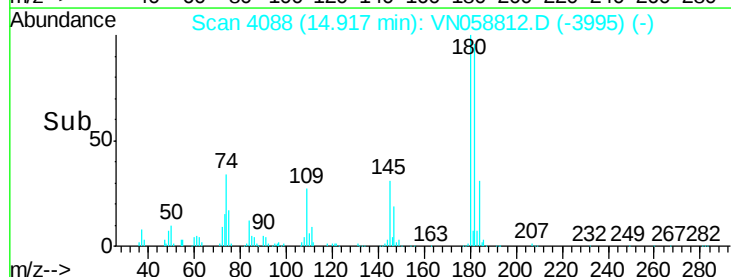
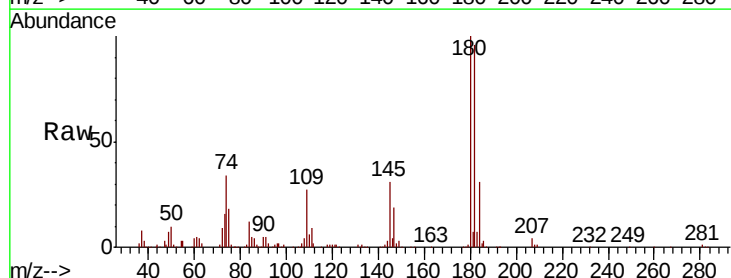
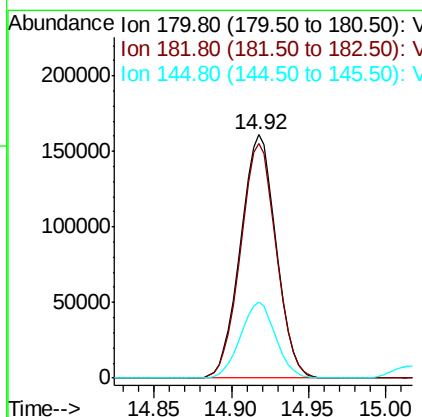
RT: 14.92 min Scan# 4088

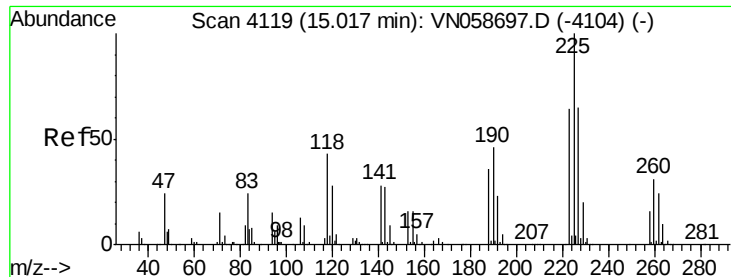
Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Tgt Ion:	180	Resp:	258033
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.4	142.2
145	30.8	15.4	46.2





#94

Hexachlorobutadiene

Concen: 48.728 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

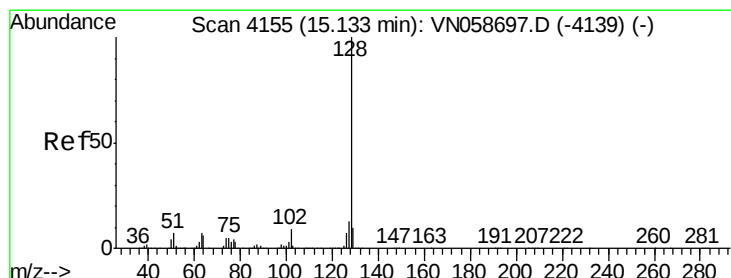
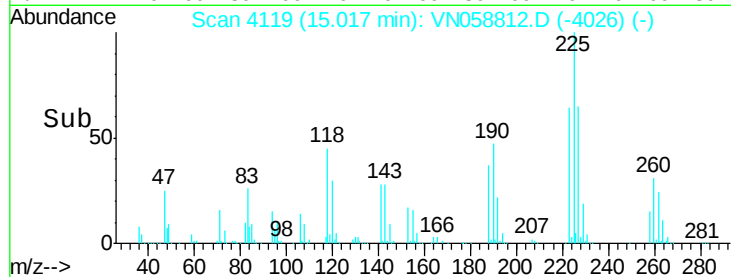
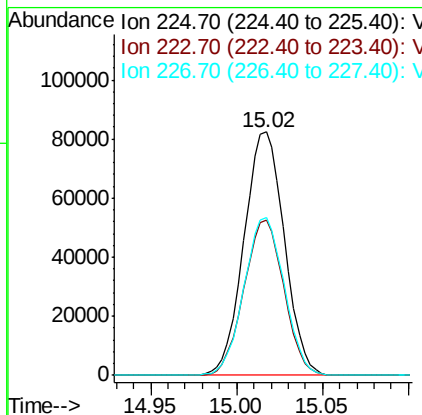
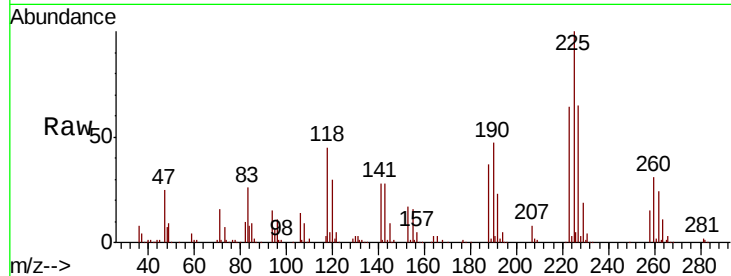
ClientSampleId :

FA19-MMW0006MSD

Tot Ion:	225	Resp:	134100
Ion Ratio		Lower	Upper
225	100		
223	62.9	32.3	96.8
227	64.4	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:30 AM



#95

Naphthalene

Concen: 50.670 ug/l

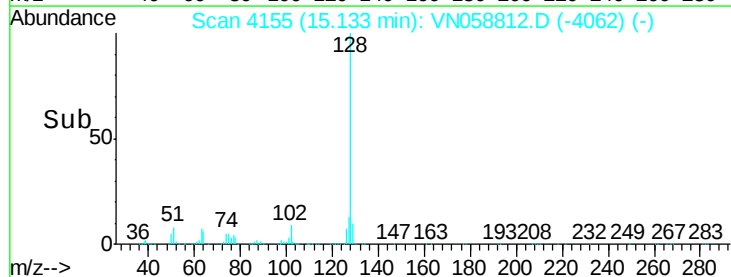
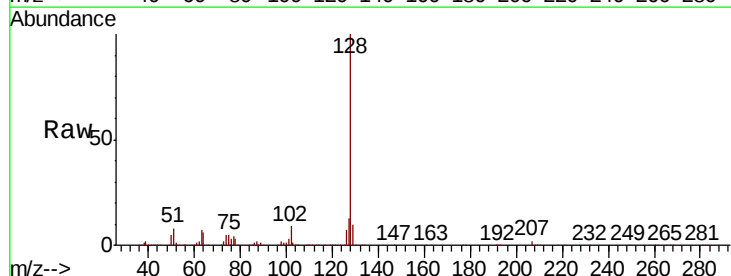
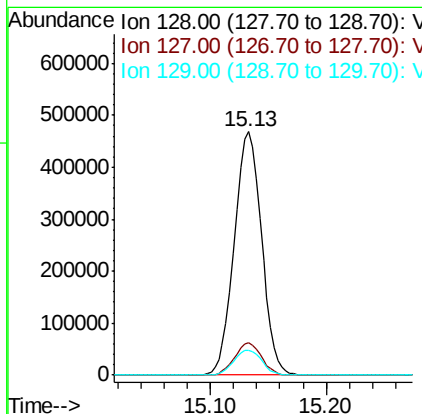
RT: 15.13 min Scan# 4155

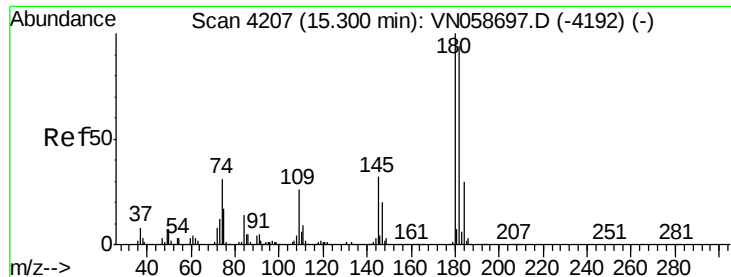
Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Tgt Ion:	128	Resp:	761024
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.6	8.5	12.7





#96
 1,2,3-Trichlorobenzene
 Concen: 50.107 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MSD

Tot Ion:	180	Resp:	255652
Ion Ratio		Lower	Upper
180	100		
182	94.7	47.3	142.0
145	32.3	16.2	48.6

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:51:30 AM

