

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055821.D
 Acq On : 25 May 2019 2:34
 Operator : JC/SP
 Sample : VN0524WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:36:28 AM

Quant Time: May 25 05:45:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	361579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	520084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	456881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	188152	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	187235	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
35) Dibromofluoromethane	7.59	113	168114	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.09	98	633599	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.40	95	207102	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	42879	17.621	ug/l	99
3) Chloromethane	2.06	50	61224	17.957	ug/l	100
4) Vinyl Chloride	2.18	62	68976	18.967	ug/l	99
5) Bromomethane	2.54	94	48489	21.313	ug/l	99
6) Chloroethane	2.69	64	43670	19.946	ug/l	97
7) Trichlorofluoromethane	3.01	101	92225	19.344	ug/l	99
8) Diethyl Ether	3.41	74	42103	19.703	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55157	18.533	ug/l	98
10) Methyl Iodide	3.94	142	88040	20.234	ug/l	100
11) Tert butyl alcohol	4.81	59	68895	96.564	ug/l	100
12) 1,1-Dichloroethene	3.72	96	58206	18.928	ug/l	95
13) Acrolein	3.60	56	36698	71.835	ug/l	96
14) Allyl chloride	4.31	41	92013	17.454	ug/l	100
15) Acrylonitrile	4.99	53	155773	95.082	ug/l	99
16) Acetone	3.82	43	127227	77.510	ug/l	99
17) Carbon Disulfide	4.04	76	144841	16.578	ug/l	100
18) Methyl Acetate	4.33	43	66861	19.259	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	196853	19.194	ug/l	99
20) Methylene Chloride	4.54	84	68735	19.336	ug/l	93
21) trans-1,2-Dichloroethene	5.03	96	61948	18.751	ug/l	97
22) Diisopropyl ether	5.96	45	194443	18.964	ug/l	99
23) Vinyl Acetate	5.90	43	799263	90.919	ug/l	100
24) 1,1-Dichloroethane	5.84	63	113108	18.947	ug/l	100
25) 2-Butanone	6.84	43	201791	88.027	ug/l	99
26) 2,2-Dichloropropane	6.82	77	61623	11.927	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	74629	19.362	ug/l	96
28) Bromochloromethane	7.19	49	57936	20.384	ug/l	95
29) Tetrahydrofuran	7.22	42	136919	94.316	ug/l	98
30) Chloroform	7.37	83	115695	19.433	ug/l	98
31) Cyclohexane	7.65	56	102894	18.358	ug/l	# 92
32) 1,1,1-Trichloroethane	7.57	97	101420	19.090	ug/l	99
36) 1,1-Dichloropropene	7.79	75	83604	18.446	ug/l	99
37) Ethyl Acetate	6.93	43	84028	19.182	ug/l	99
38) Carbon Tetrachloride	7.77	117	88587	18.764	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055821.D
 Acq On : 25 May 2019 2:34
 Operator : JC/SP
 Sample : VN0524WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0524WBS03

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:36:28 AM

Quant Time: May 25 05:45:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	99310	17.695	ug/l	99
40) Benzene	8.04	78	264853	19.390	ug/l	100
41) Methacrylonitrile	7.17	41	41577	18.787	ug/l	99
42) 1,2-Dichloroethane	8.12	62	88773	19.889	ug/l	99
43) Isopropyl Acetate	8.17	43	135281	18.381	ug/l	99
44) Trichloroethene	8.83	130	76486	20.085	ug/l	98
45) 1,2-Dichloropropane	9.12	63	69805	19.614	ug/l	99
46) Dibromomethane	9.21	93	46048	19.729	ug/l	97
47) Bromodichloromethane	9.40	83	90815	18.976	ug/l	100
48) Methyl methacrylate	9.20	41	65954	19.444	ug/l	97
49) 1,4-Dioxane	9.21	88	28157	399.451	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	413707	95.175	ug/l	100
52) Toluene	10.16	92	170127	19.803	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	87369	17.103	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	97857	17.291	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	67940	19.741	ug/l	99
56) Ethyl methacrylate	10.43	69	101110	19.010	ug/l	99
57) 1,3-Dichloropropane	10.71	76	110719	19.792	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	180103	88.604	ug/l	99
59) 2-Hexanone	10.75	43	280451	90.947	ug/l	100
60) Dibromochloromethane	10.90	129	74585	18.603	ug/l	98
61) 1,2-Dibromoethane	11.00	107	71178	19.939	ug/l	100
64) Tetrachloroethene	10.63	164	82665	21.452	ug/l	99
65) Chlorobenzene	11.43	112	180793	19.767	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	71606	19.630	ug/l	99
67) Ethyl Benzene	11.51	91	318120	19.395	ug/l	99
68) m/p-Xylenes	11.62	106	242239	39.066	ug/l	99
69) o-Xylene	11.95	106	121439	19.740	ug/l	99
70) Styrene	11.96	104	192938	19.367	ug/l	100
71) Bromoform	12.13	173	56442	18.140	ug/l #	100
73) Isopropylbenzene	12.25	105	315445	22.080	ug/l	99
74) N-amyl acetate	12.07	43	105994	19.409	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	92591	21.468	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	81283m	23.415	ug/l	
77) Bromobenzene	12.53	156	83948	20.909	ug/l	94
78) n-propylbenzene	12.59	91	319557	19.541	ug/l	99
79) 2-Chlorotoluene	12.67	91	203297	21.634	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	257791	21.420	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21084	15.077	ug/l	94
82) 4-Chlorotoluene	12.77	91	187272	19.482	ug/l	100
83) tert-Butylbenzene	12.99	119	229961	21.915	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	253714	21.210	ug/l	99
85) sec-Butylbenzene	13.17	105	281343	20.835	ug/l	99
86) p-Isopropyltoluene	13.29	119	255019	19.517	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126026	19.823	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	117609	19.458	ug/l	99
89) n-Butylbenzene	13.61	91	175689	17.549	ug/l	100
90) Hexachloroethane	13.87	117	45312	18.219	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	128464	20.254	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14653	17.576	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
Data File : VN055821.D
Acq On : 25 May 2019 2:34
Operator : JC/SP
Sample : VN0524WBS03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

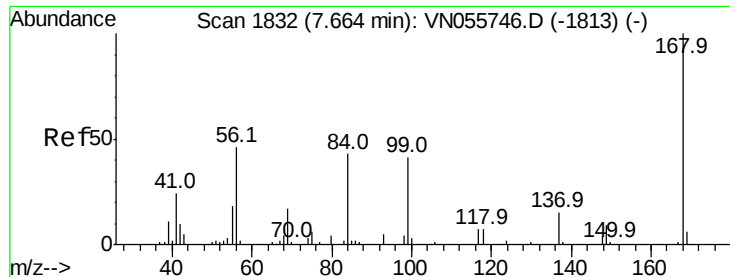
Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:36:28 AM

Quant Time: May 25 05:45:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	54569	17.502	ug/l	99
94) Hexachlorobutadiene	15.01	225	46216	19.593	ug/l	98
95) Naphthalene	15.13	128	152075	17.472	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	62154	18.538	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

Tot Ion:168 Resp: 361579

Ion Ratio Lower Upper

168 100

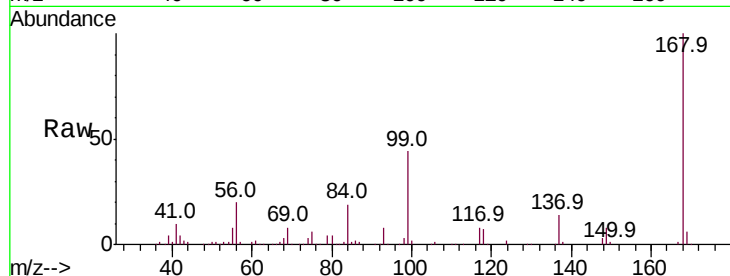
99 43.9 37.2 55.8

Manual Integrations

APPROVED

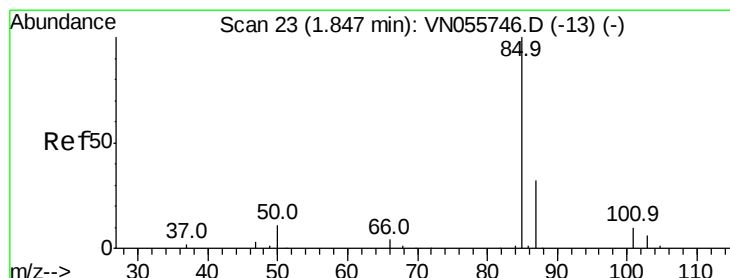
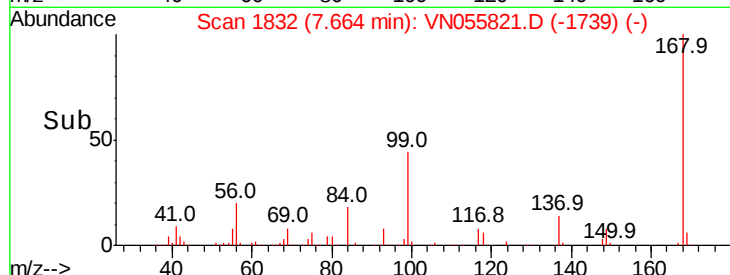
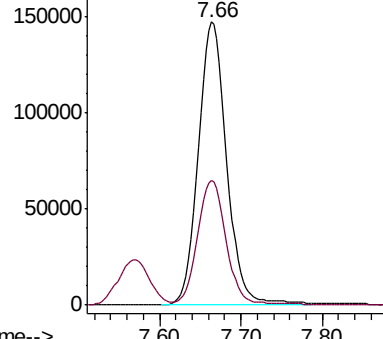
MMDadoda

5/28/2019 10:36:28 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.621 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055821.D

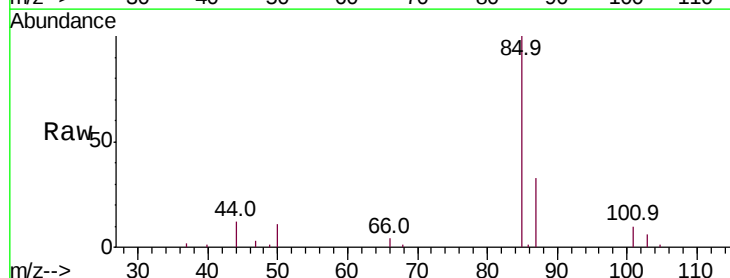
Acq: 25 May 2019 2:34

Tgt Ion: 85 Resp: 42879

Ion Ratio Lower Upper

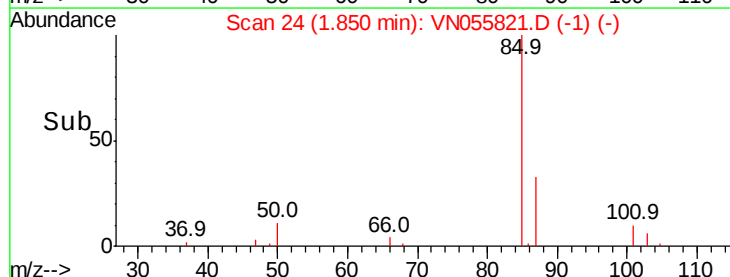
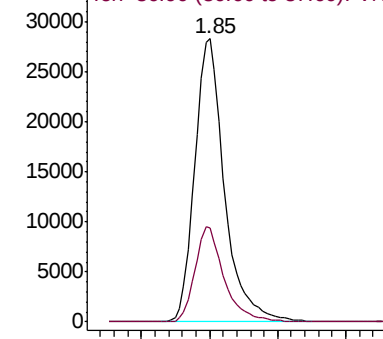
85 100

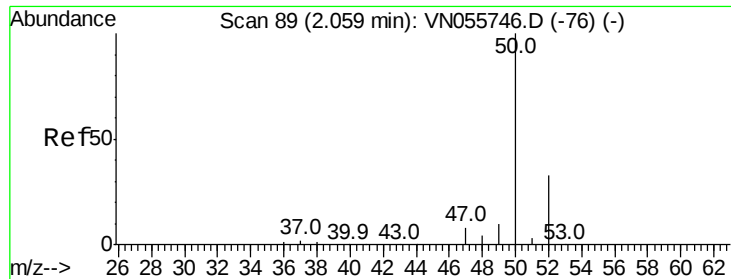
87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.957 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

Tot Ion: 50 Resp: 61224

Ion Ratio Lower Upper

50 100

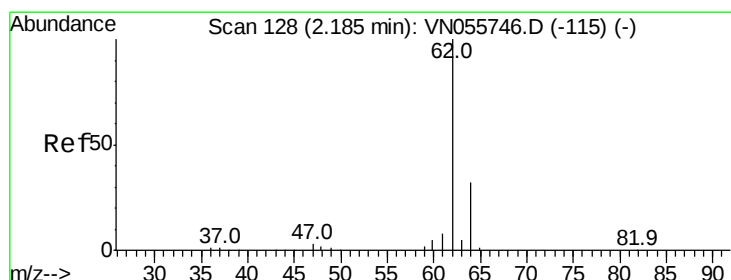
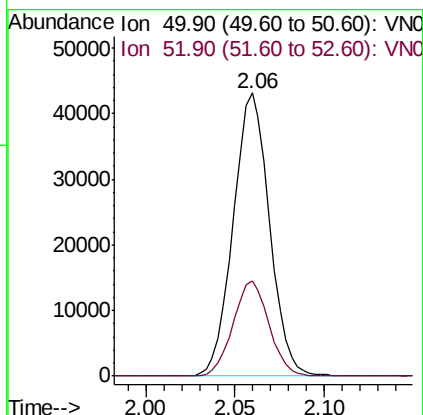
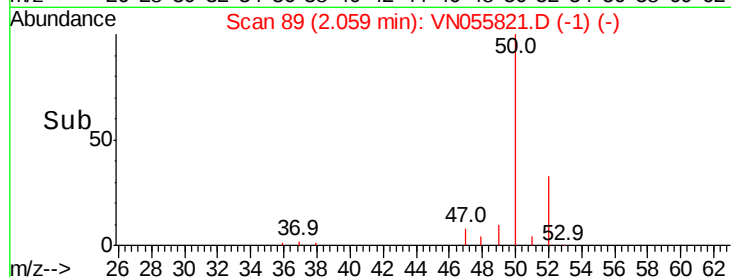
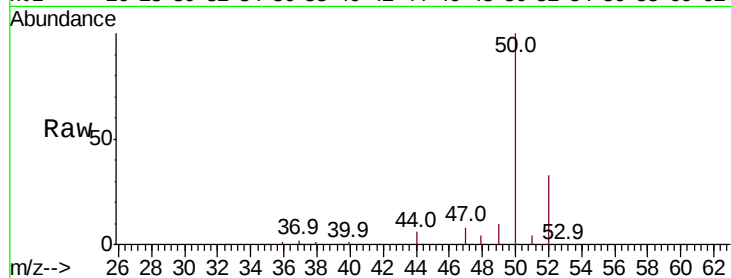
52 33.5 26.6 40.0

Manual Integrations

APPROVED

MMDadoda

5/28/2019 10:36:28 AM



#4

Vinyl Chloride

Concen: 18.967 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055821.D

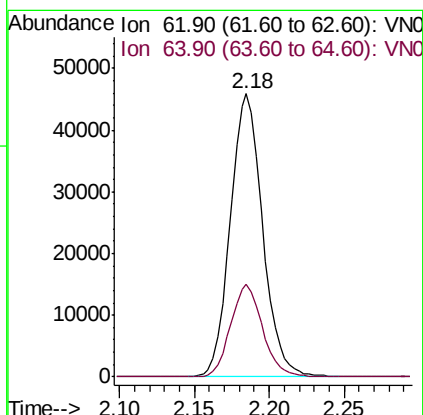
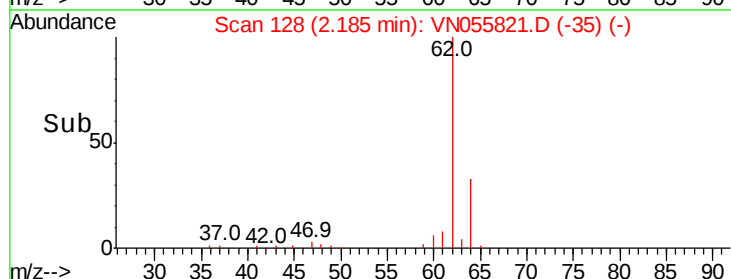
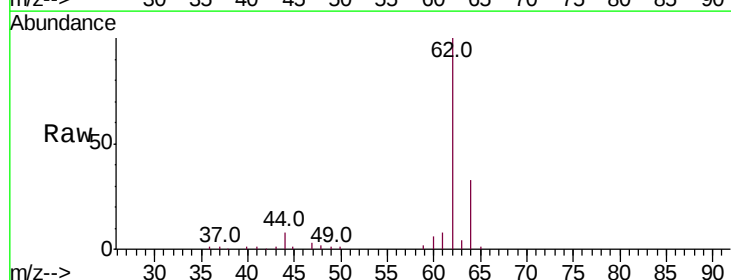
Acq: 25 May 2019 2:34

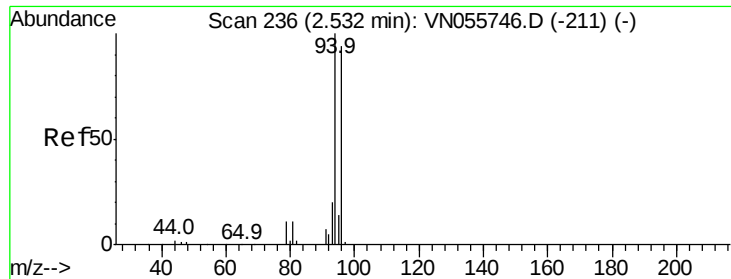
Tgt Ion: 62 Resp: 68976

Ion Ratio Lower Upper

62 100

64 32.5 25.6 38.4





#5

Bromomethane

Concen: 21.313 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

Tot Ion: 94 Resp: 48489

Ion Ratio Lower Upper

94 100

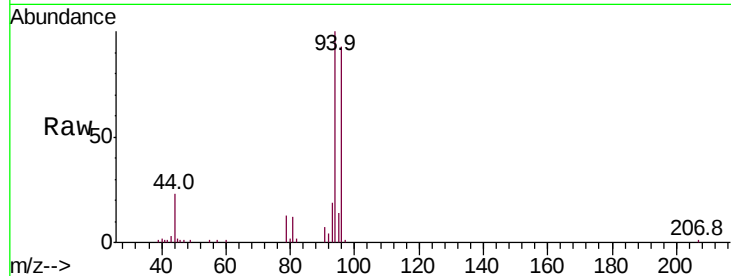
96 93.1 75.5 113.3

Manual Integrations

APPROVED

MMDadoda

5/28/2019 10:36:28 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

10000

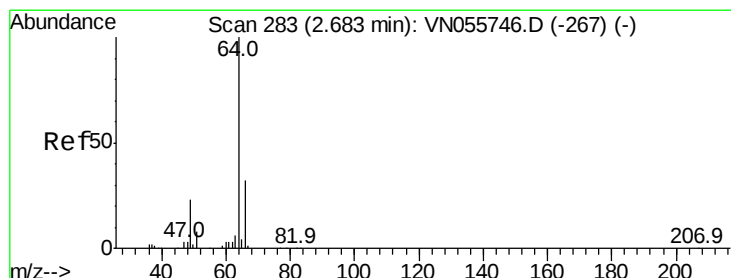
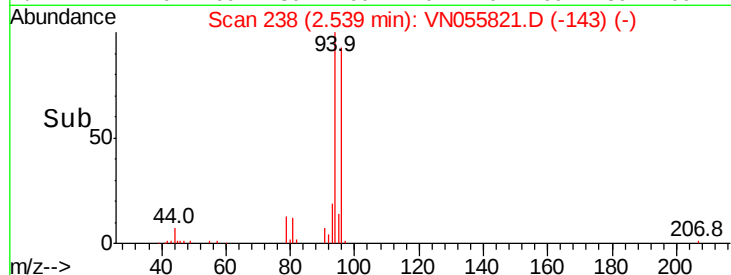
5000

0

Time-->

2.45 2.50 2.55 2.60 2.65

2.54



#6

Chloroethane

Concen: 19.946 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN055821.D

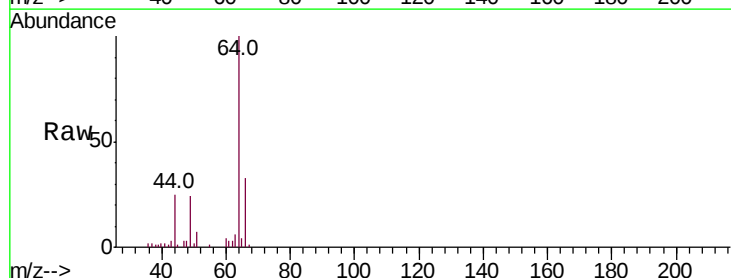
Acq: 25 May 2019 2:34

Tgt Ion: 64 Resp: 43670

Ion Ratio Lower Upper

64 100

66 33.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

10000

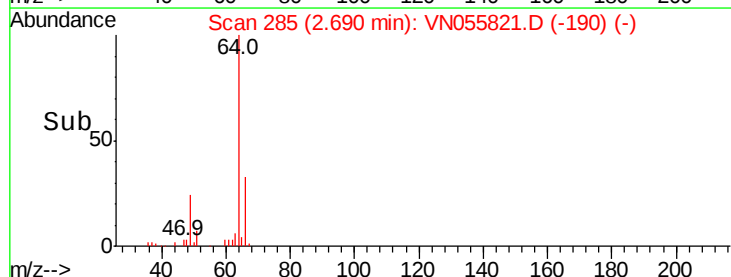
5000

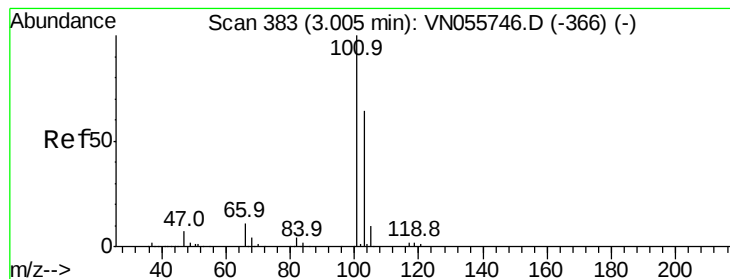
0

Time-->

2.60 2.65 2.70 2.75 2.80

2.69





#7

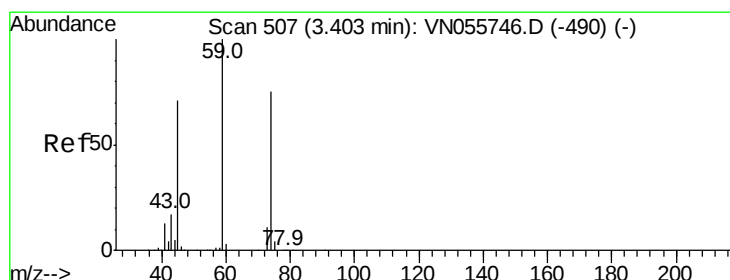
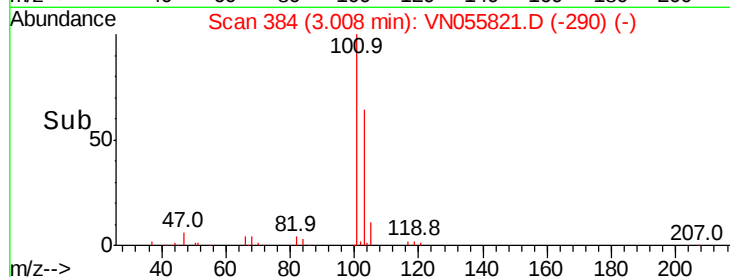
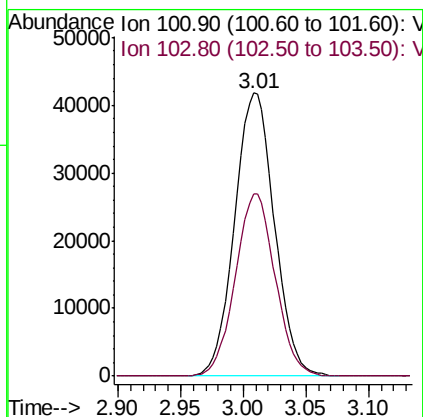
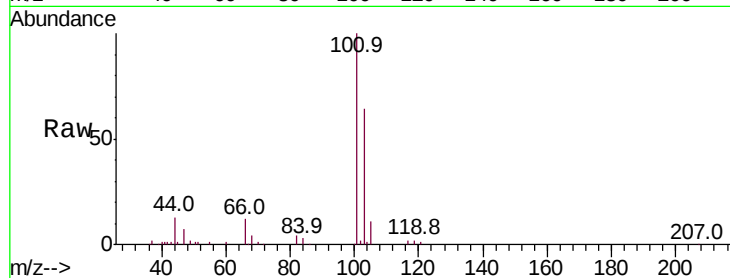
Trichlorofluoromethane
Concen: 19.344 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.2	76.8

Manual Integrations
APPROVED

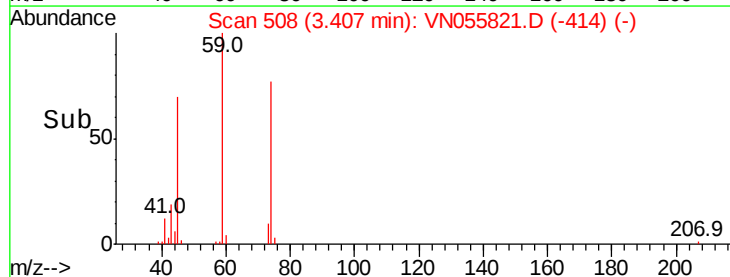
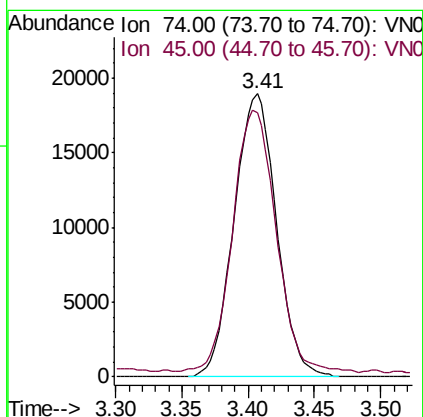
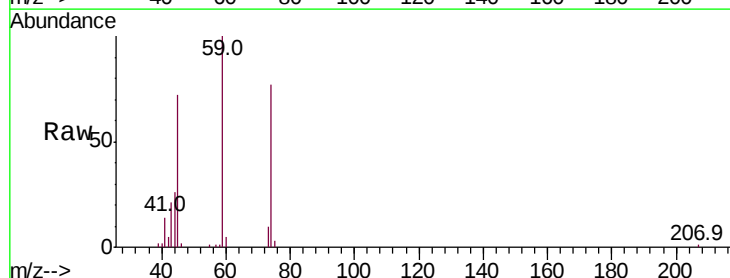
MMDadoda
5/28/2019 10:36:28 AM

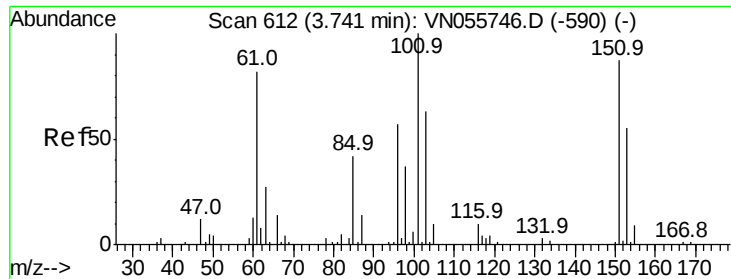


#8

Diethyl Ether
Concen: 19.703 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.4	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.533 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

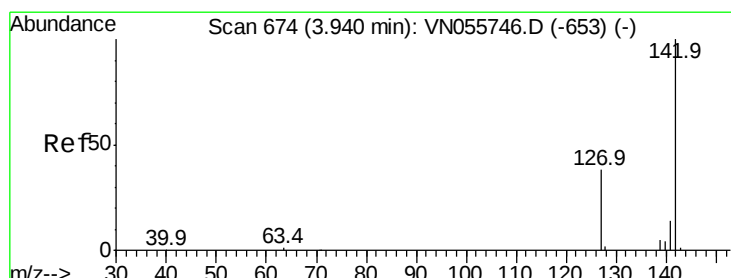
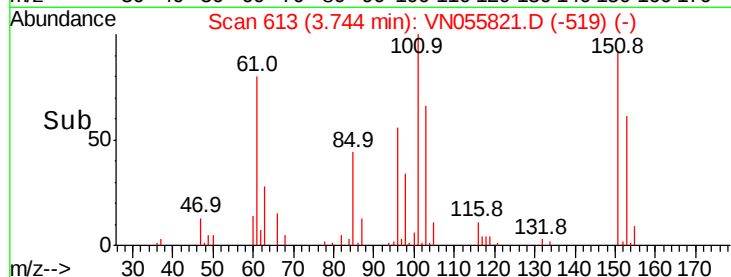
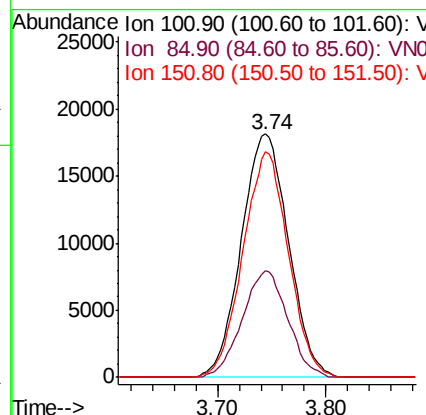
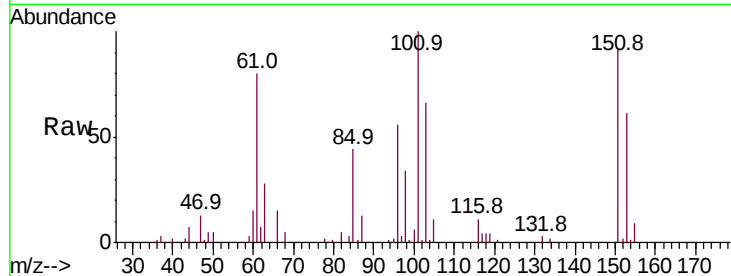
ClientSampleId :

VN0524WBS03

Tot Ion:	101	Resp:	55157
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.4	50.2
151	89.1	69.4	104.2

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:36:28 AM



#10

Methyl Iodide

Concen: 20.234 ug/l

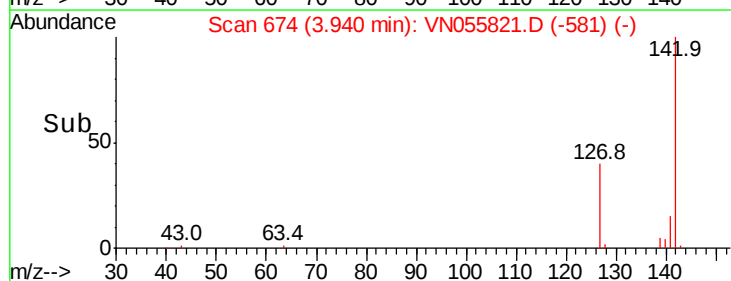
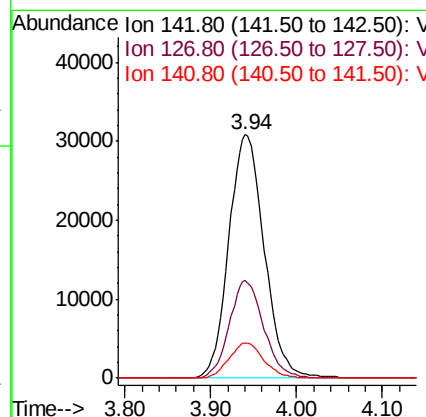
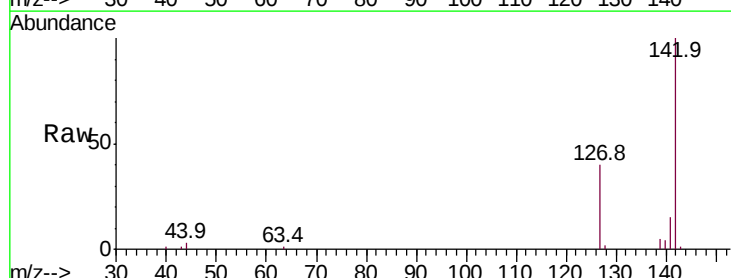
RT: 3.94 min Scan# 674

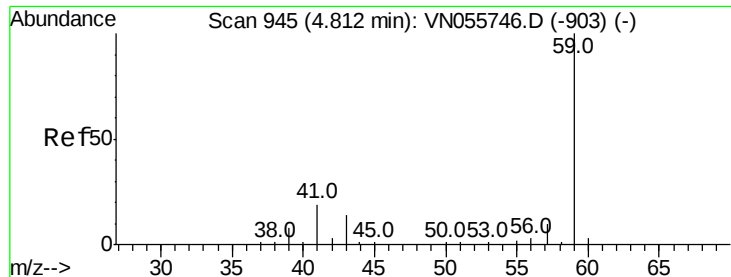
Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Tgt Ion:	142	Resp:	88040
Ion Ratio	Lower	Upper	
142	100		
127	38.8	31.0	46.4
141	14.1	11.4	17.0





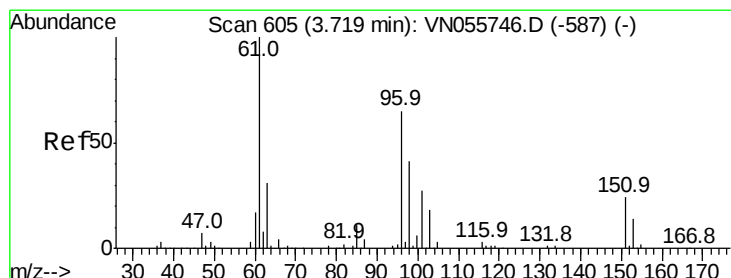
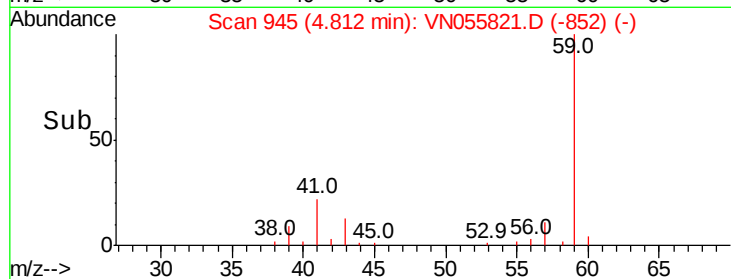
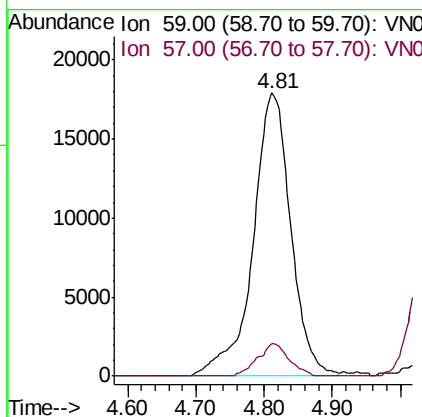
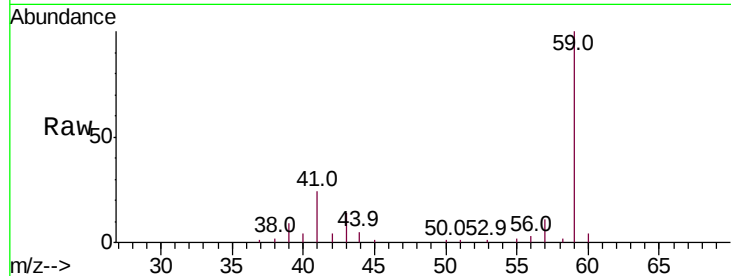
#11
Tert butyl alcohol
Concen: 96.564 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.6

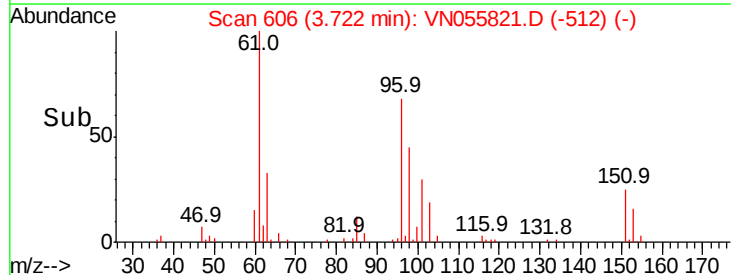
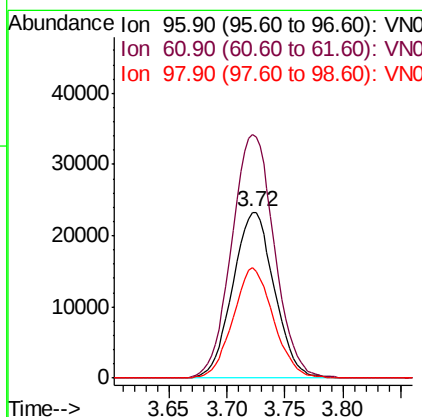
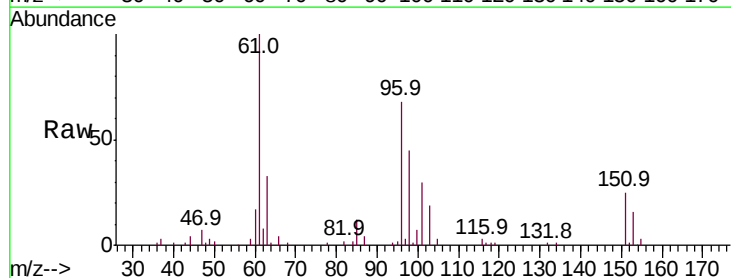
Manual Integrations
APPROVED

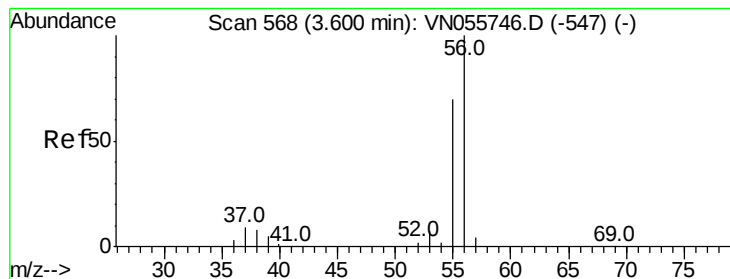
MMDadoda
5/28/2019 10:36:28 AM



#12
1,1-Dichloroethene
Concen: 18.928 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.6	123.2	184.8
98	66.4	50.4	75.6





#13

Acrolein

Concen: 71.835 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

Tot Ion: 56 Resp: 36698

Ion Ratio Lower Upper

56 100

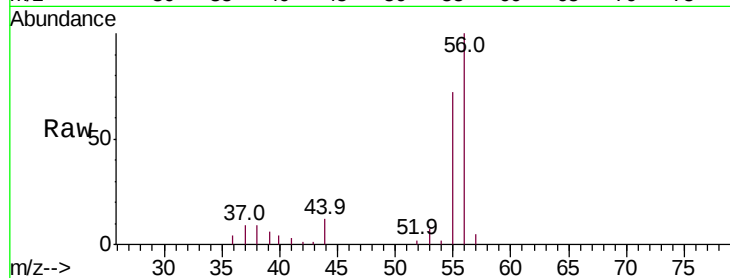
55 72.8 55.4 83.2

Manual Integrations

APPROVED

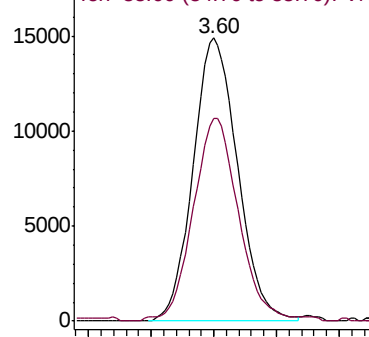
MMDadoda

5/28/2019 10:36:28 AM

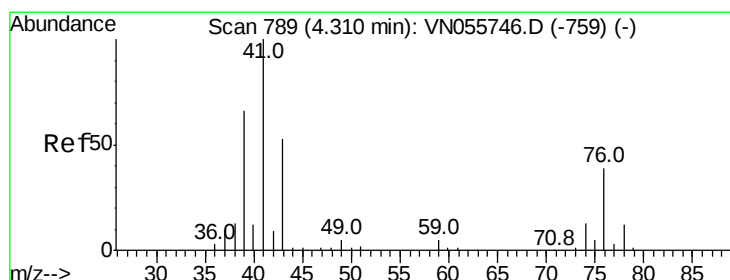
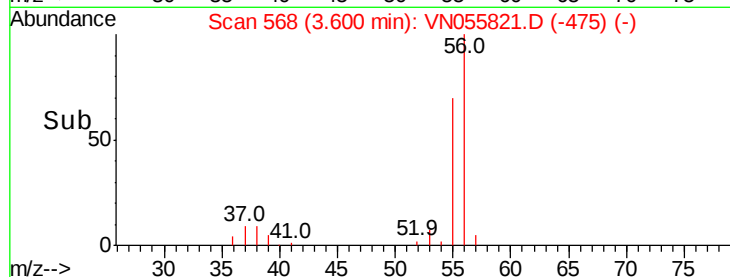


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 17.454 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

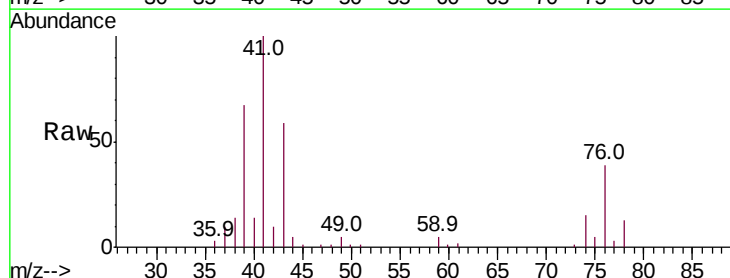
Tgt Ion: 41 Resp: 92013

Ion Ratio Lower Upper

41 100

39 62.6 50.0 75.0

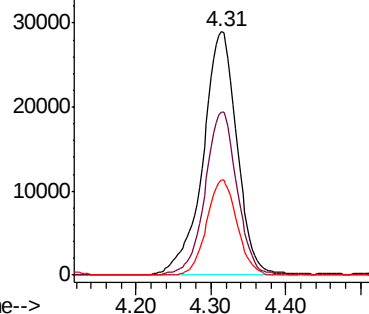
76 34.6 28.2 42.2



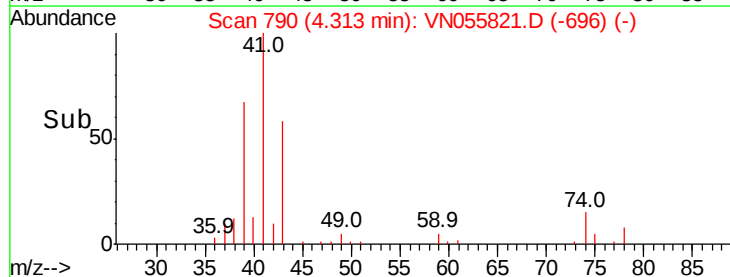
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->





#15

Acrylonitrile

Concen: 95.082 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

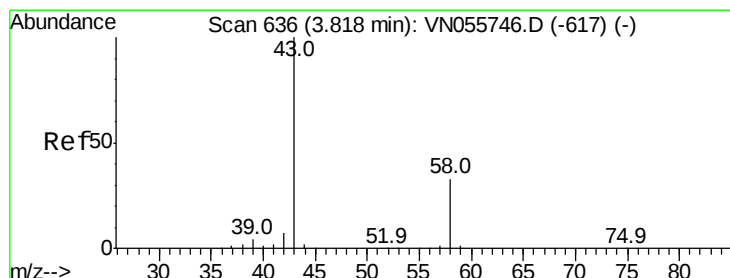
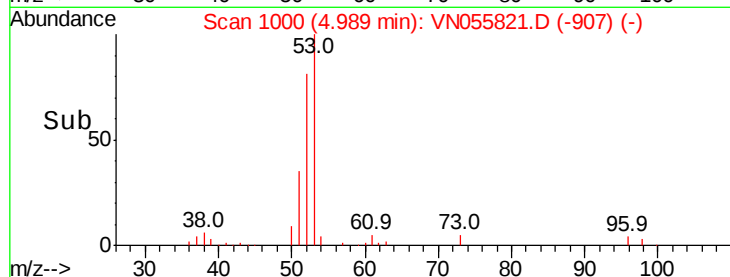
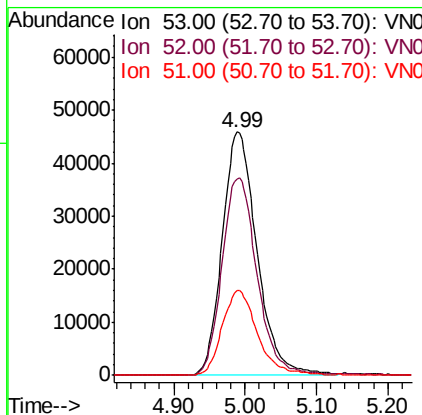
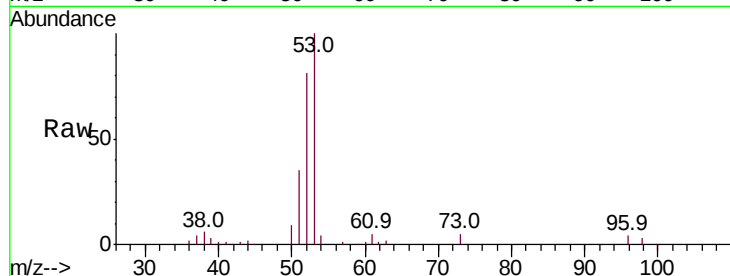
ClientSampleId :

VN0524WBS03

Tot Ion:	53	Resp:	155773
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.8	98.8
51	35.5	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:36:28 AM



#16

Acetone

Concen: 77.510 ug/l

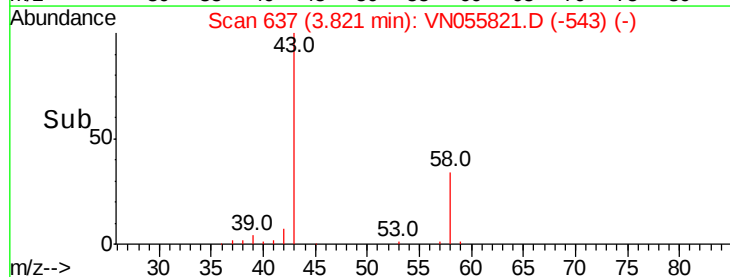
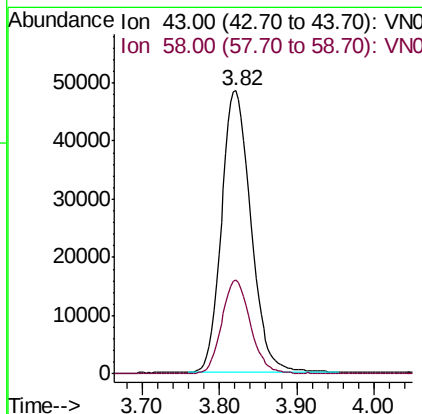
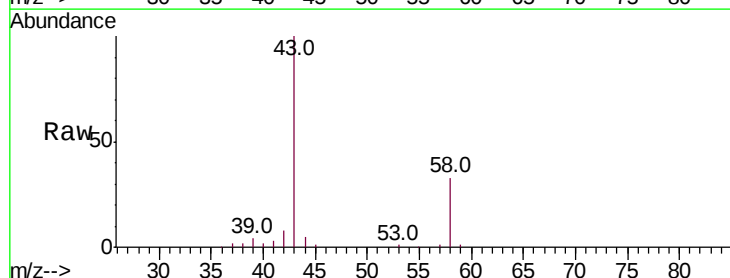
RT: 3.82 min Scan# 637

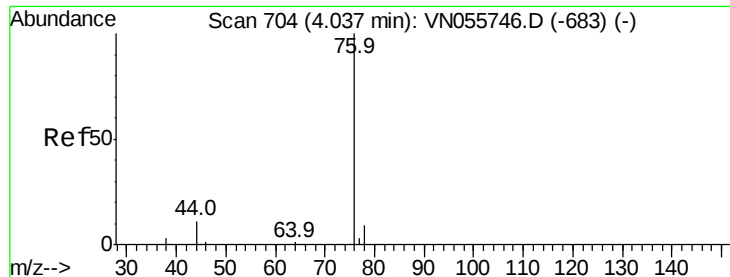
Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Tgt Ion:	43	Resp:	127227
Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.6	39.8





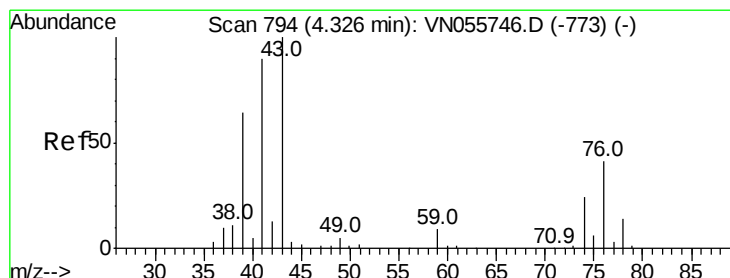
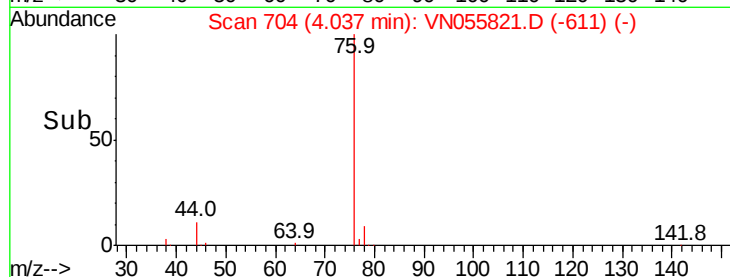
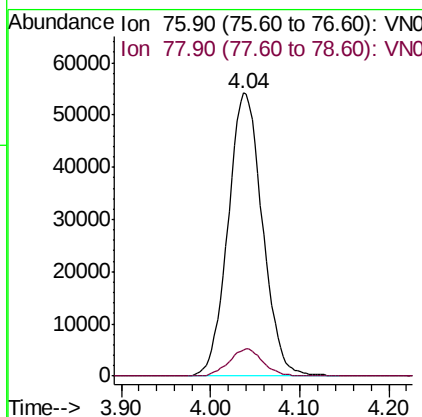
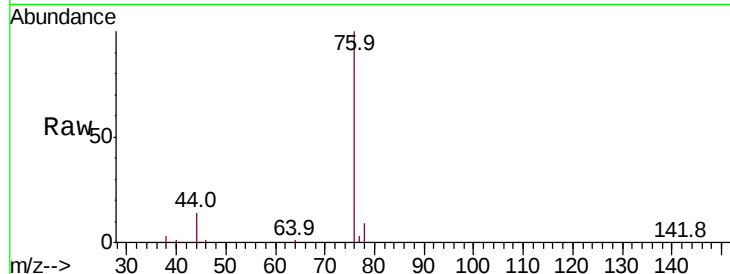
#17
Carbon Disulfide
Concen: 16.578 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

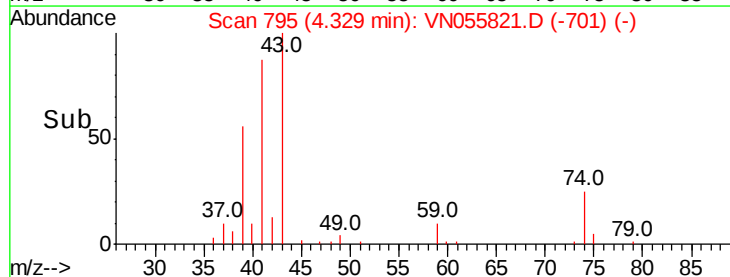
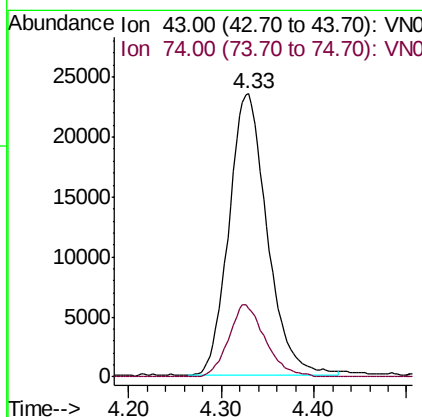
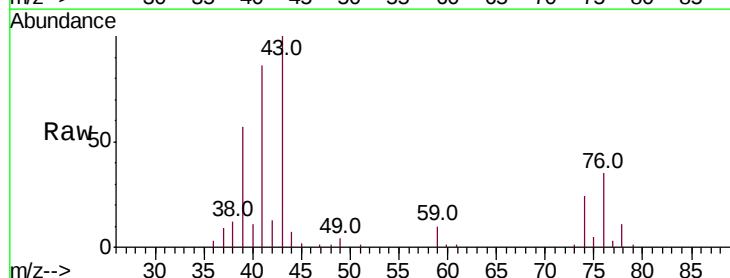
Manual Integrations
APPROVED

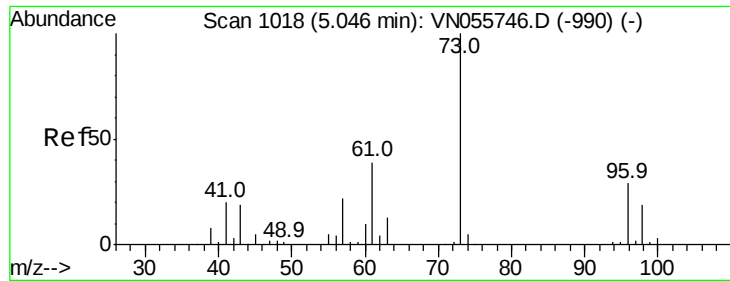
MMDadoda
5/28/2019 10:36:28 AM



#18
Methyl Acetate
Concen: 19.259 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.3	28.9





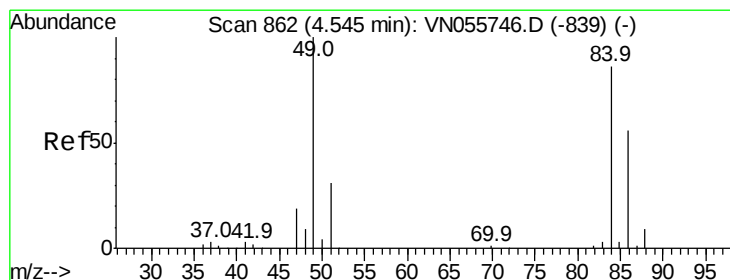
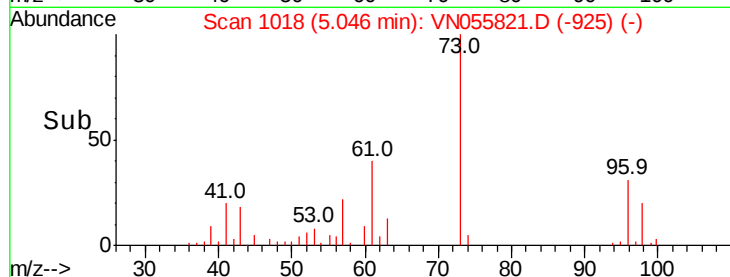
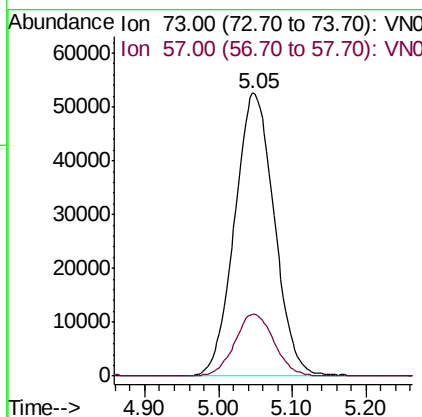
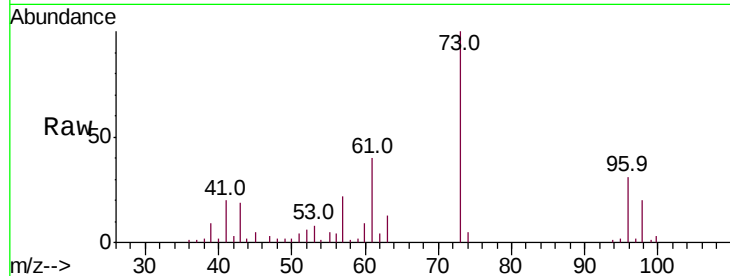
#19
Methvl tert-butvl Ether
Concen: 19.194 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

Tot Ion: 73 Resp: 196853
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.8

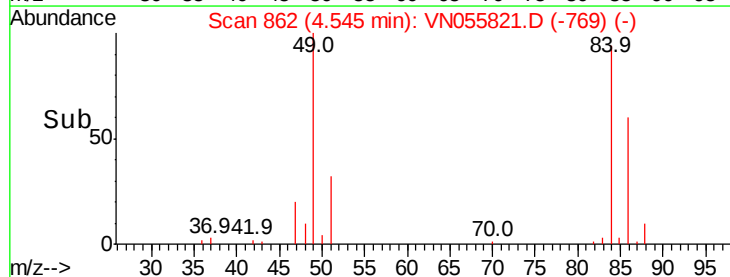
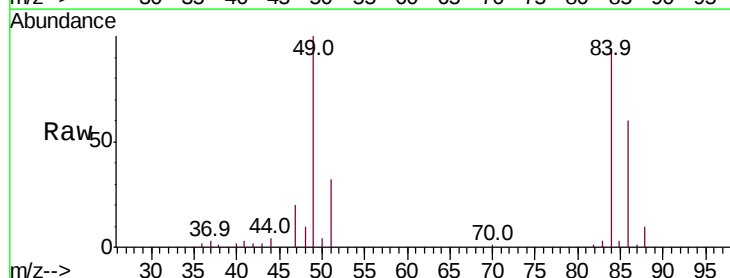
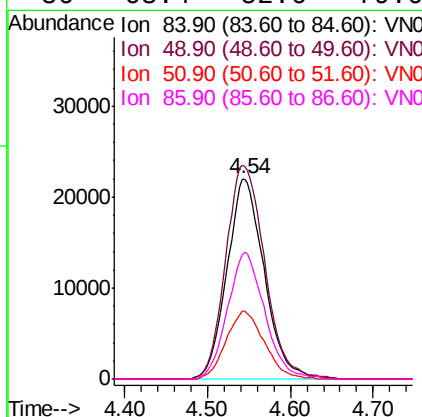
Manual Integrations
APPROVED

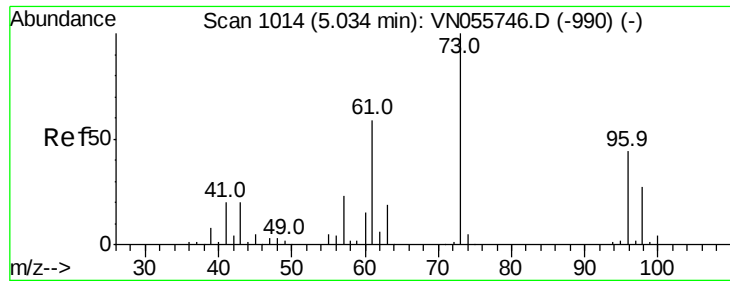
MMDadoda
5/28/2019 10:36:28 AM



#20
Methylene Chloride
Concen: 19.336 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion: 84 Resp: 68735
Ion Ratio Lower Upper
84 100
49 106.3 93.5 140.3
51 33.7 28.6 43.0
86 63.4 52.6 79.0





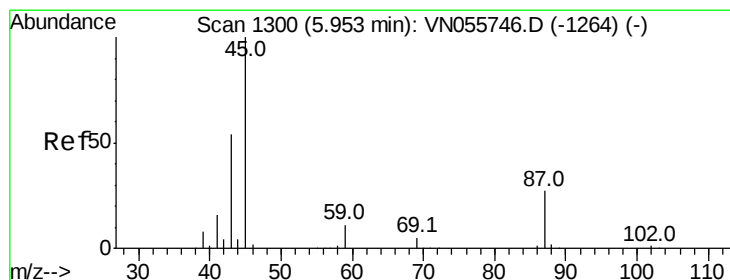
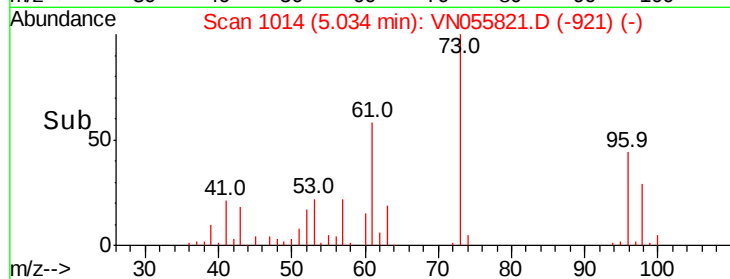
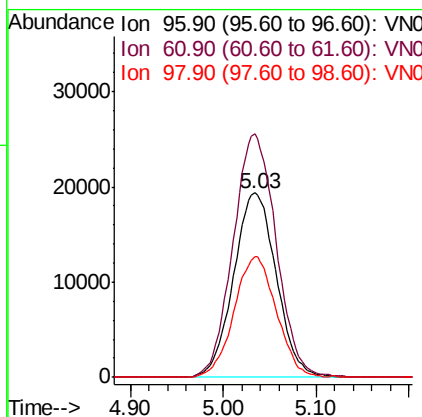
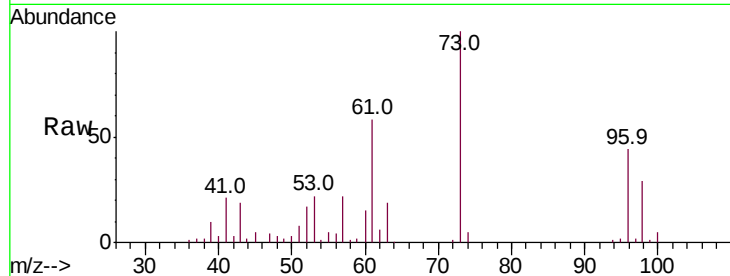
#21
trans-1,2-Dichloroethene
Concen: 18.751 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.1	107.8	161.8
98	65.5	49.8	74.8

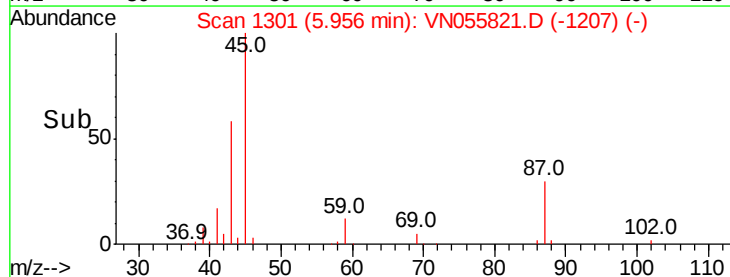
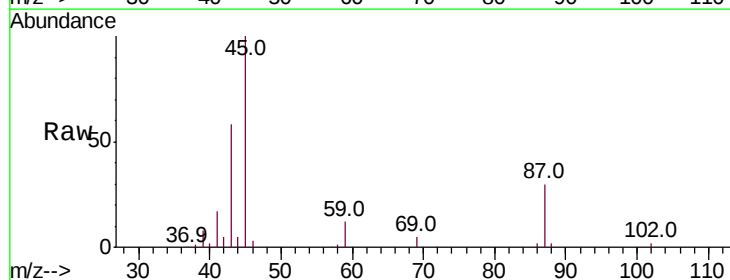
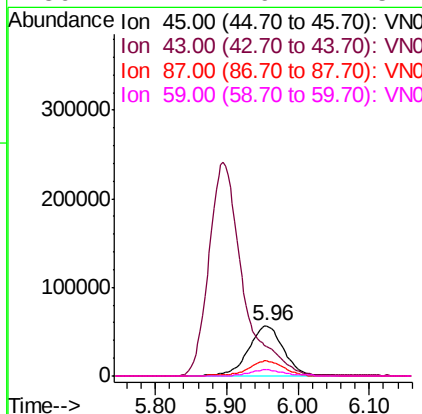
Manual Integrations
APPROVED

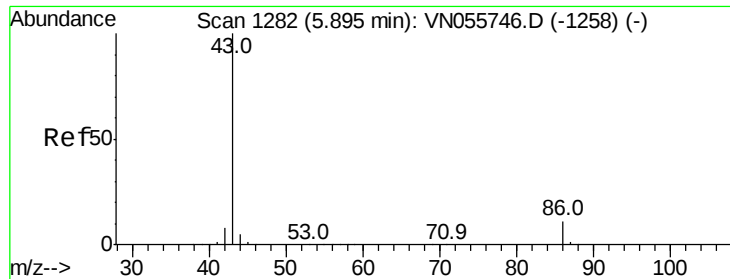
MMDadoda
5/28/2019 10:36:28 AM



#22
Diisopropyl ether
Concen: 18.964 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.1	45.0	67.6
87	29.0	22.2	33.4
59	12.1	9.1	13.7





#23

Vinyl Acetate

Concen: 90.919 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleID :

VN0524WBS03

Tot Ion: 43 Resp: 799263

Ion Ratio Lower Upper

43 100

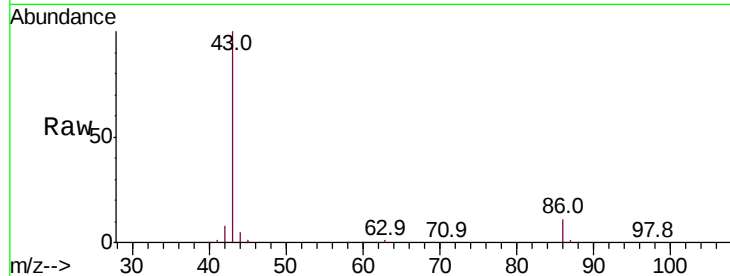
86 10.7 8.6 13.0

Manual Integrations

APPROVED

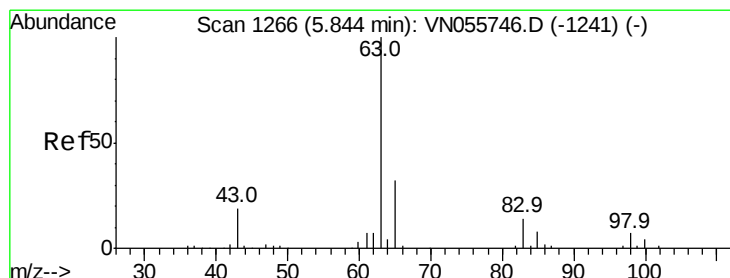
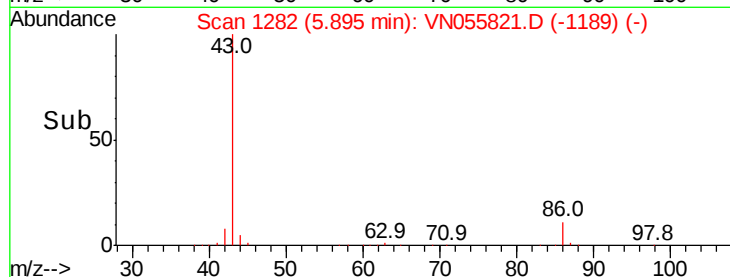
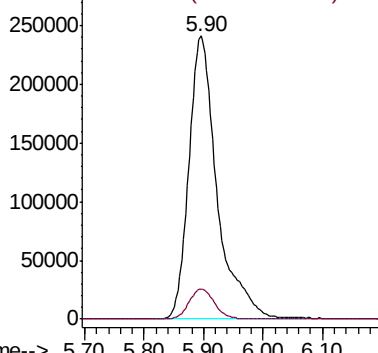
MMDadoda

5/28/2019 10:36:28 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: 18.947 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

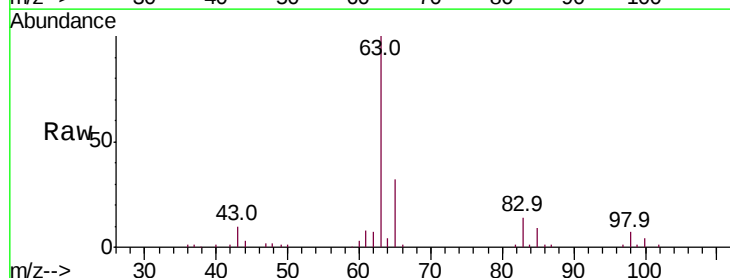
Tgt Ion: 63 Resp: 113108

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

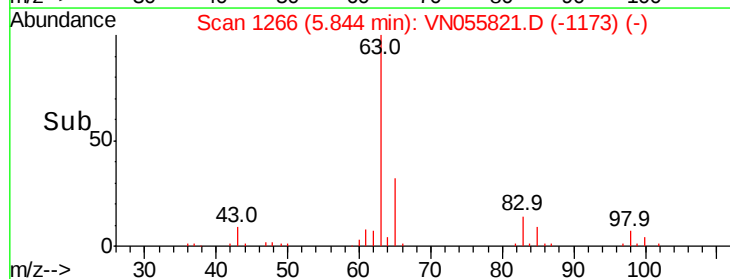
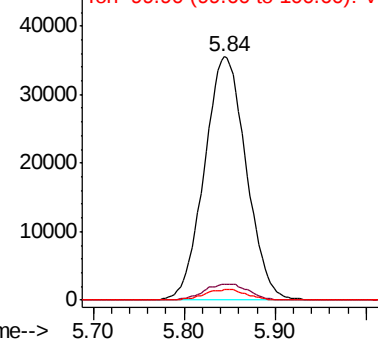
100 4.3 2.2 6.6

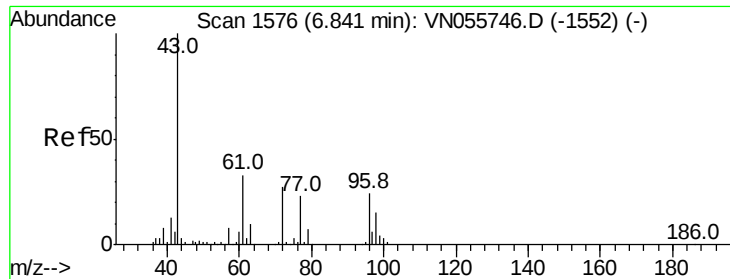


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





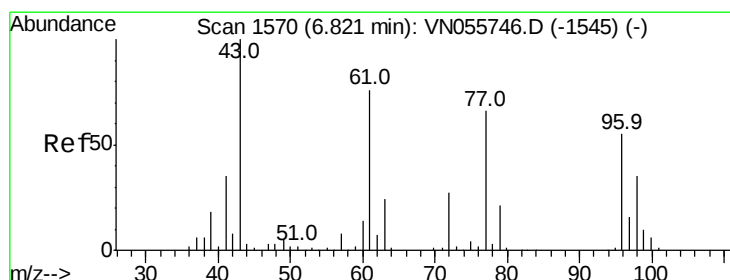
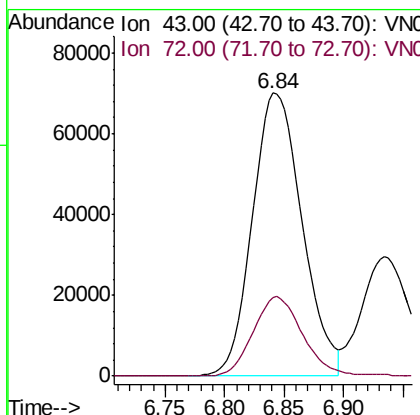
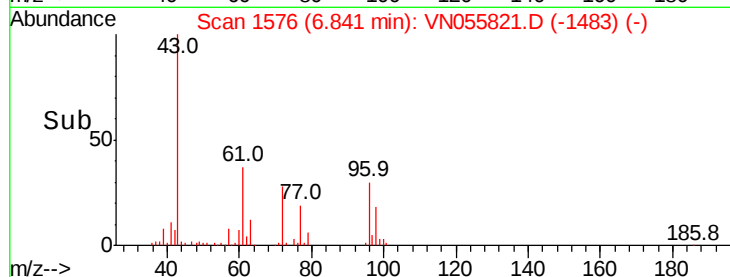
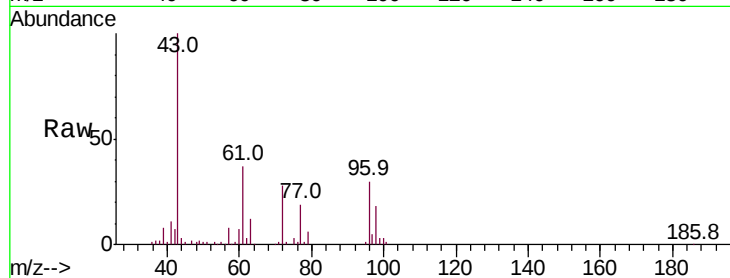
#25
2-Butanone
Concen: 88.027 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

Tot Ion: 43 Resp: 201791
Ion Ratio Lower Upper
43 100
72 27.8 21.9 32.9

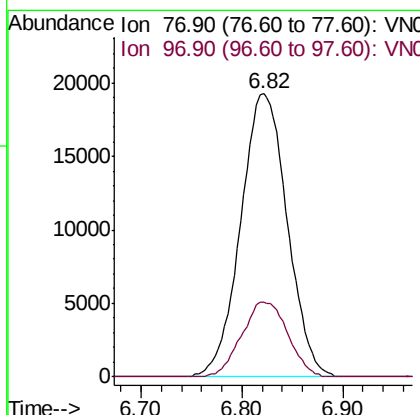
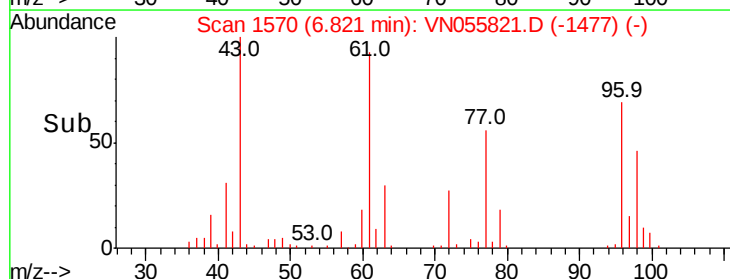
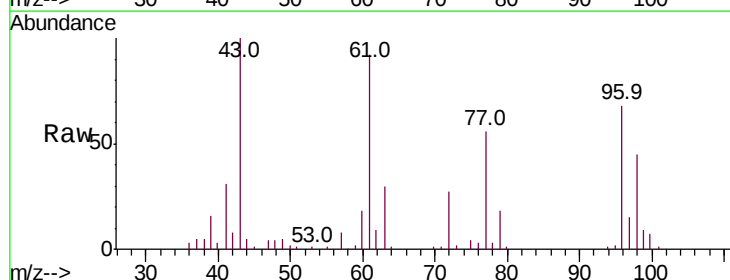
Manual Integrations
APPROVED

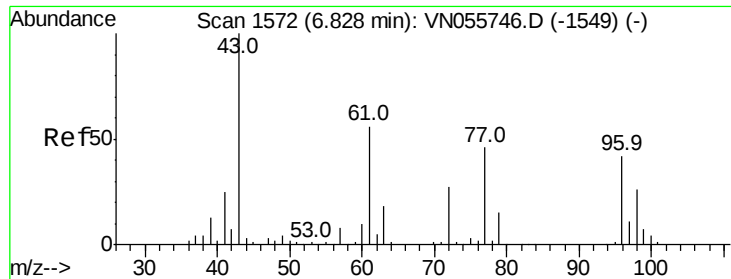
MMDadoda
5/28/2019 10:36:28 AM



#26
2,2-Dichloropropane
Concen: 11.927 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion: 77 Resp: 61623
Ion Ratio Lower Upper
77 100
97 26.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.362 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

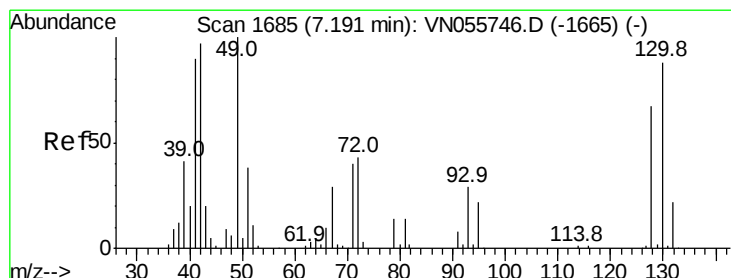
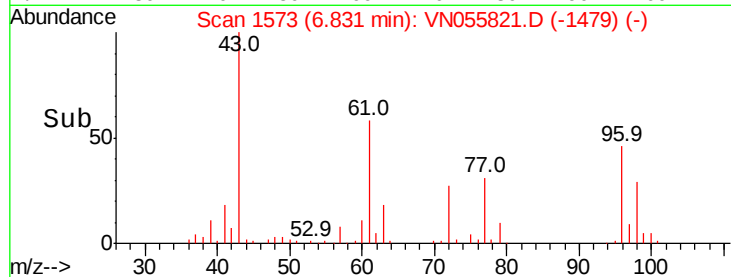
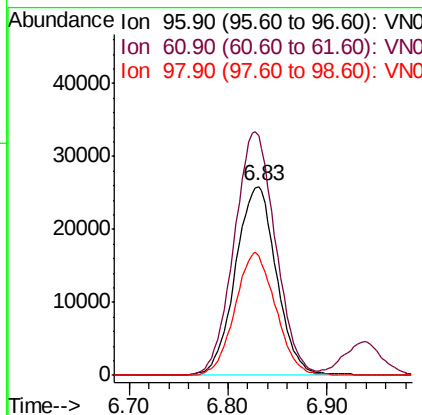
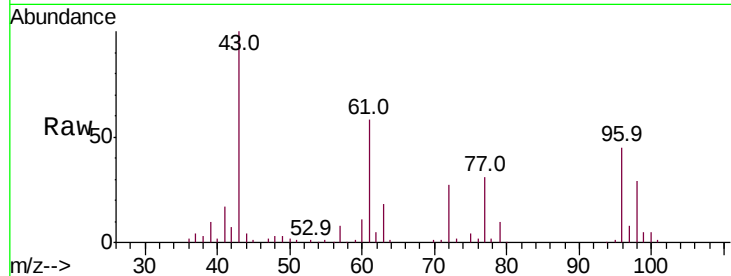
ClientSampleId :

VN0524WBS03

Tot Ion:	96	Resp:	74629
Ion	Ratio	Lower	Upper
96	100		
61	130.4	0.0	275.8
98	64.3	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:36:28 AM



#28

Bromochloromethane

Concen: 20.384 ug/l

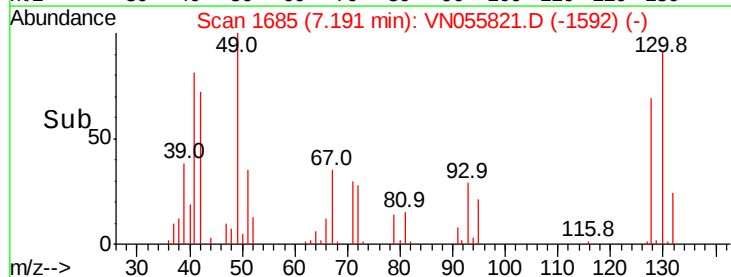
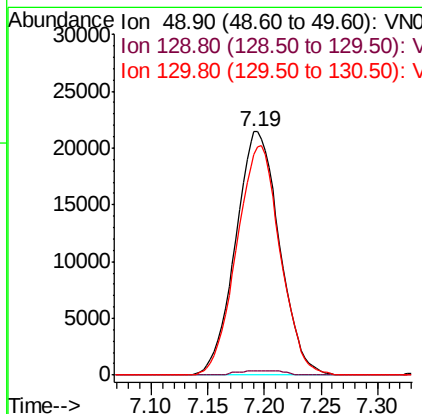
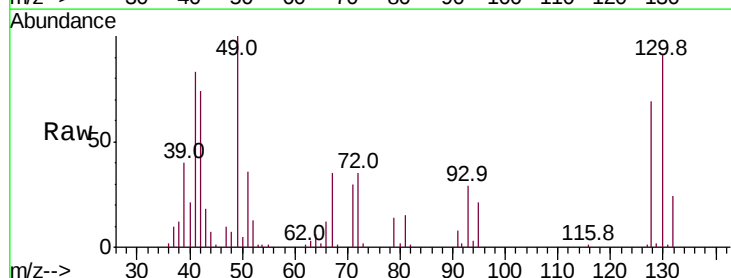
RT: 7.19 min Scan# 1685

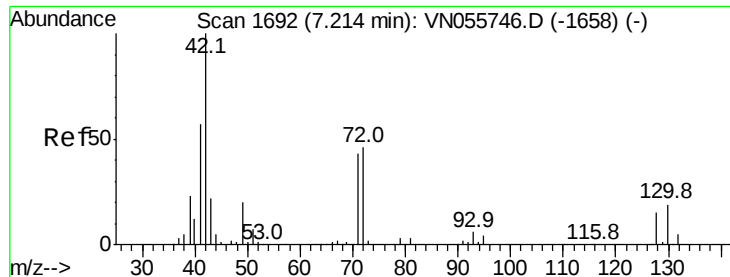
Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Tgt Ion:	49	Resp:	57936
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.4
130	93.3	71.2	106.8





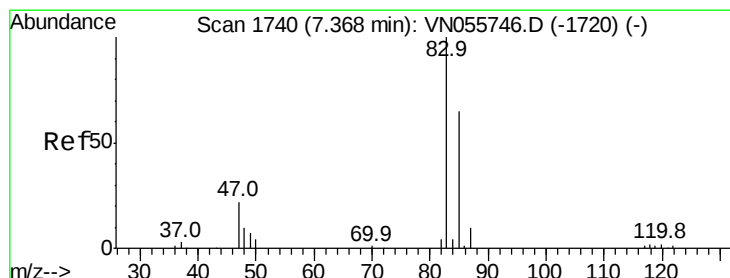
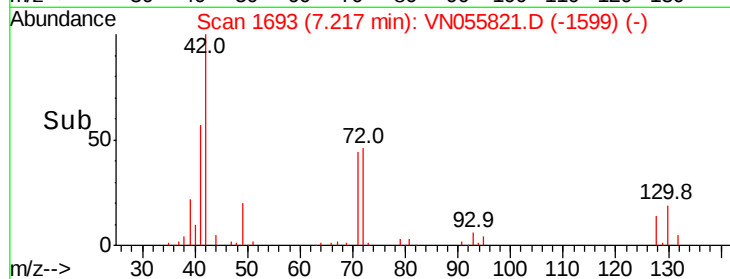
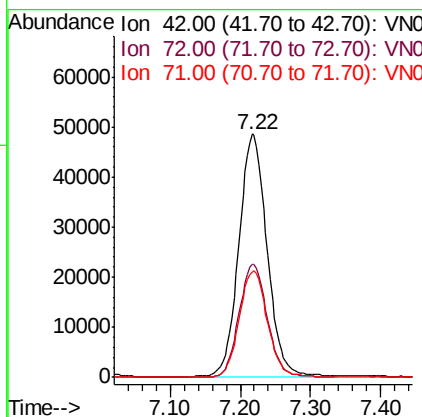
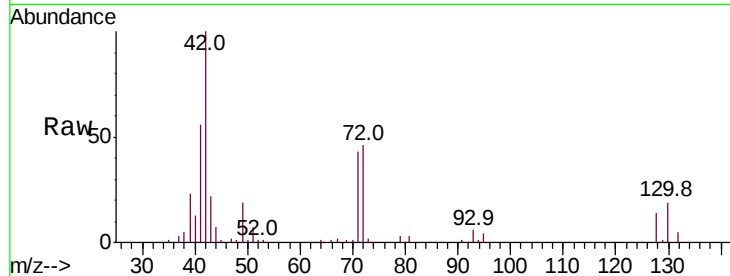
#29
Tetrahydrofuran
Concen: 94.316 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	35.9	53.9
71	43.4	34.0	51.0

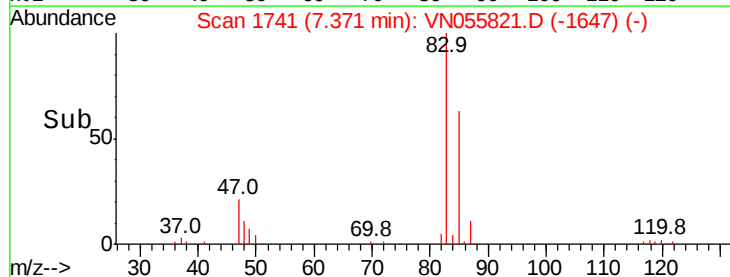
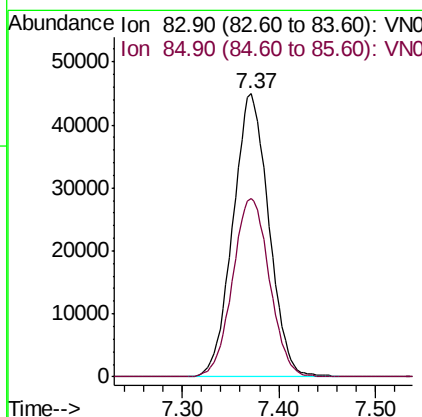
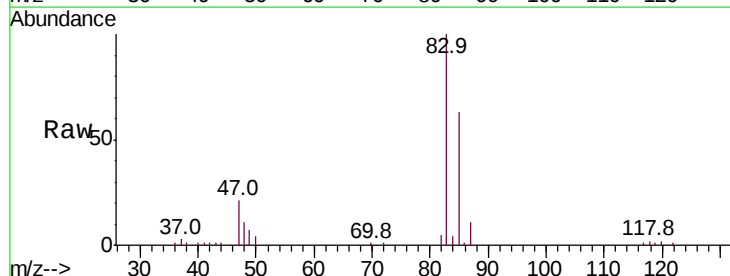
Manual Integrations
APPROVED

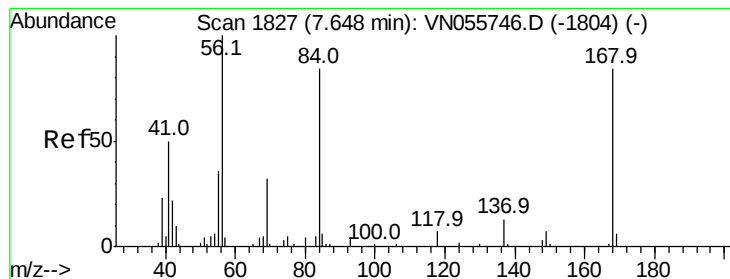
MMDadoda
5/28/2019 10:36:28 AM



#30
Chloroform
Concen: 19.433 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.8





#31

Cyclohexane

Concen: 18.358 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

Tot Ion: 56 Resp: 102894

Ion Ratio Lower Upper

56 100

69 38.7 25.6 38.4#

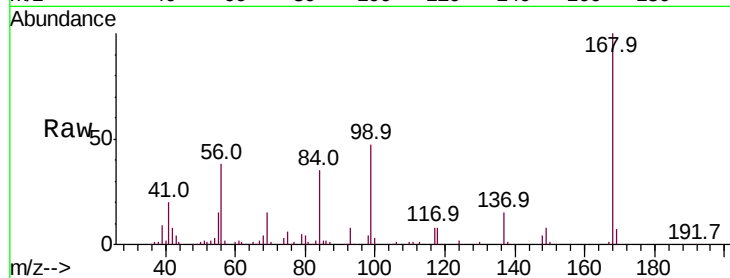
84 89.7 67.4 101.0

Manual Integrations

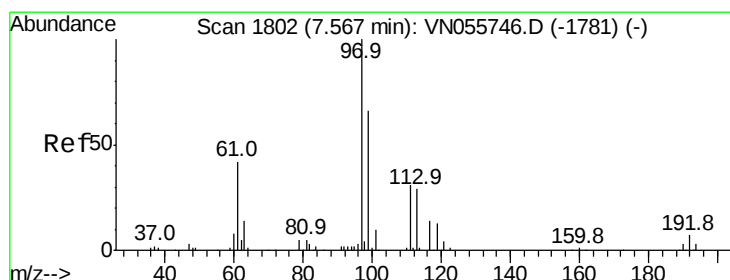
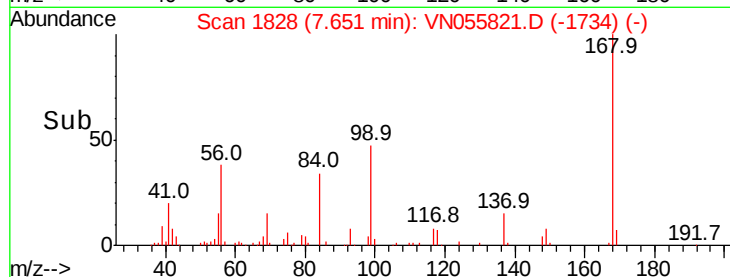
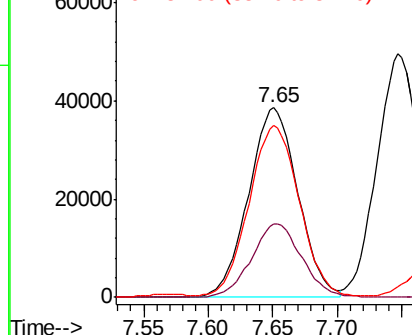
APPROVED

MMDadoda

5/28/2019 10:36:28 AM



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 19.090 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

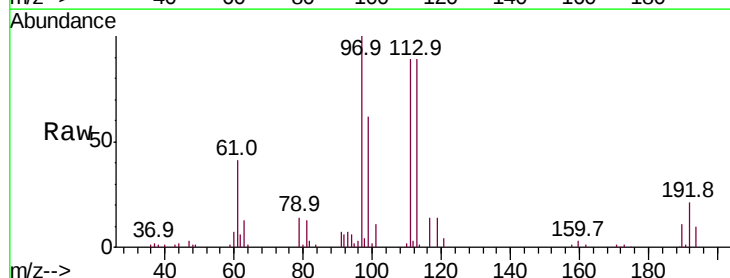
Tgt Ion: 97 Resp: 101420

Ion Ratio Lower Upper

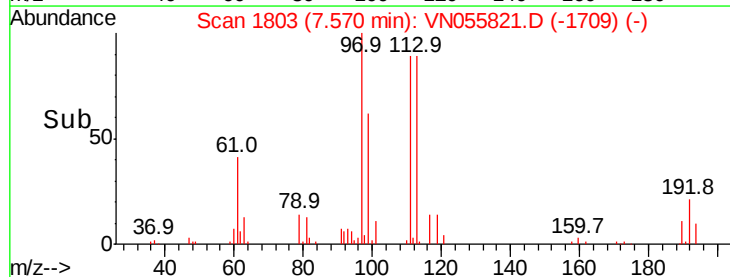
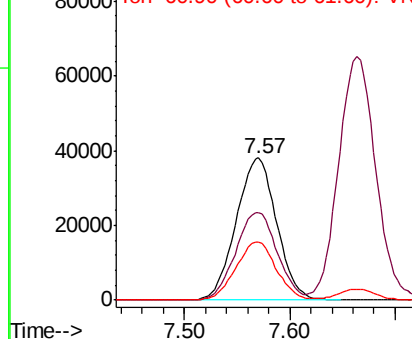
97 100

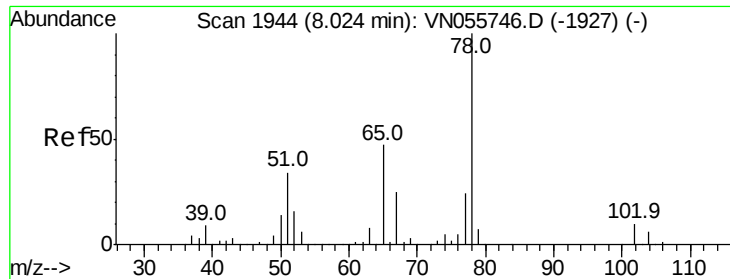
99 63.5 52.0 78.0

61 41.1 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





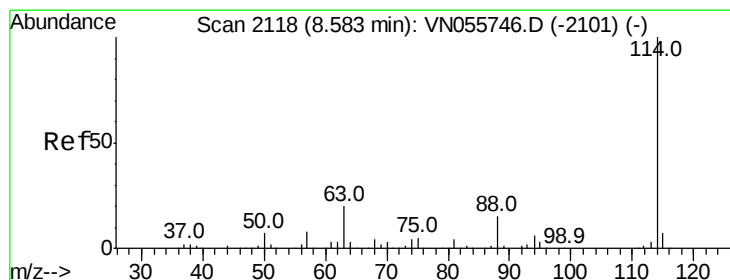
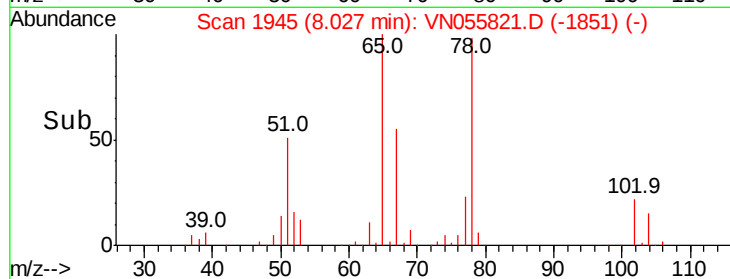
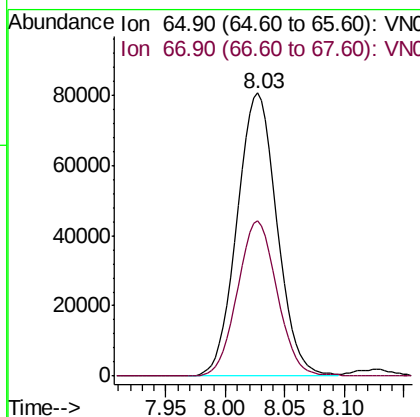
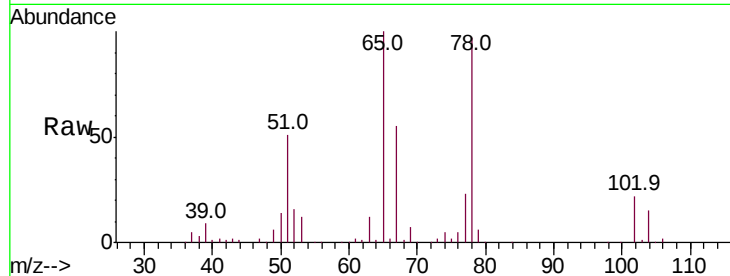
#33
 1,2-Dichloroethane-d4
 Concen: 50.142 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.6	0.0	109.2	

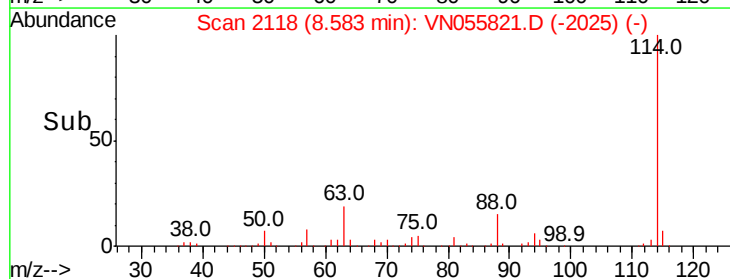
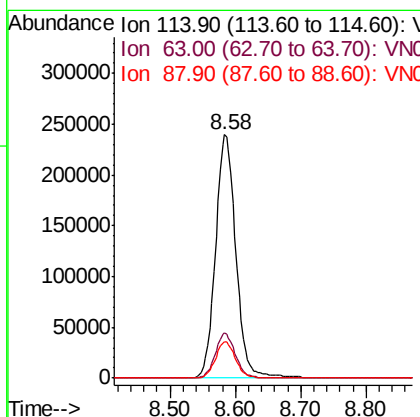
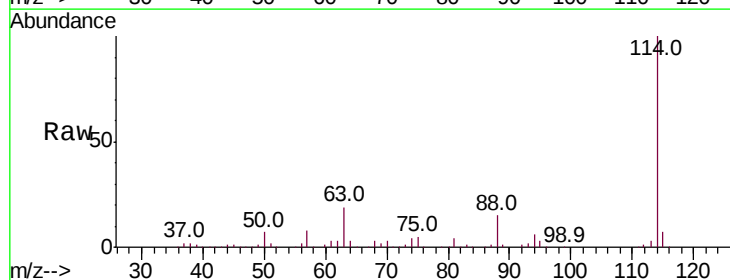
Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:36:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	39.2	
88	15.1	0.0	31.0	





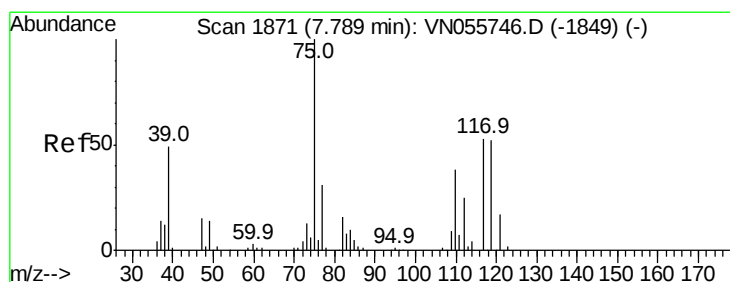
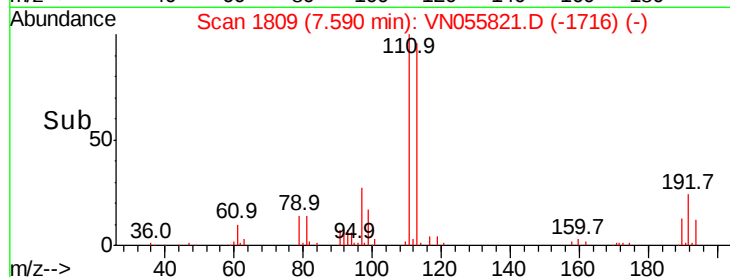
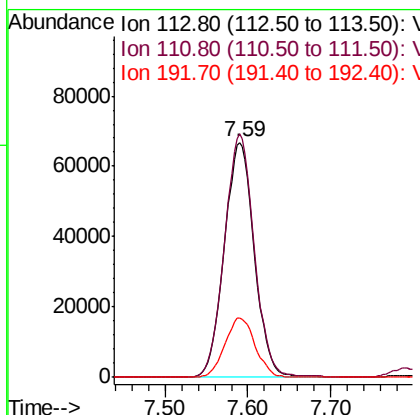
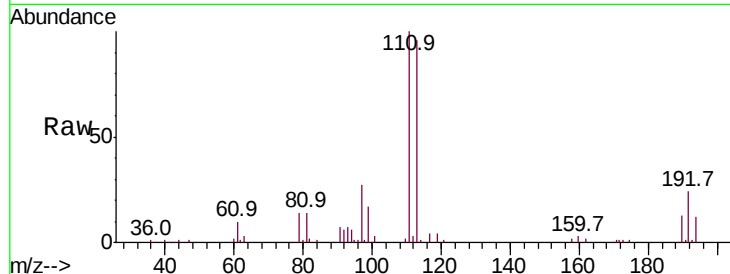
#35
 Dibromofluoromethane
 Concen: 51.127 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	168114		
111	102.7	81.9	122.9	
192	25.3	19.5	29.3	

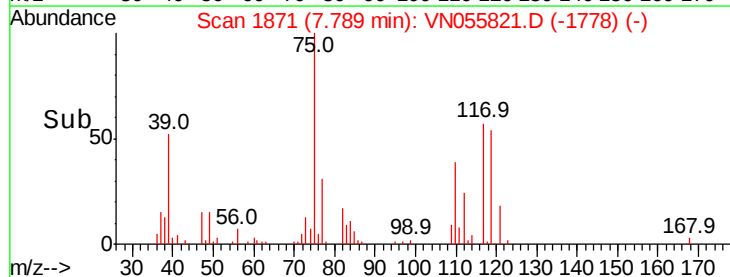
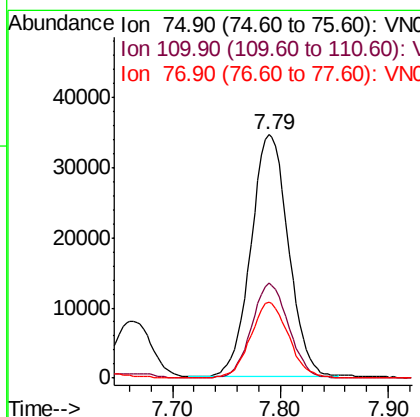
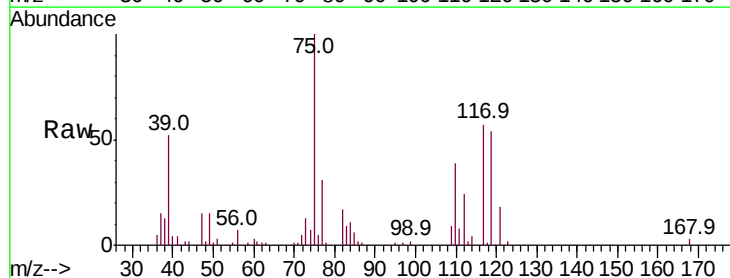
Manual Integrations
 APPROVED

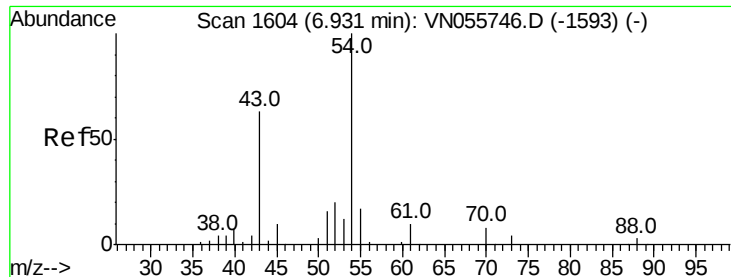
MMDadoda
 5/28/2019 10:36:28 AM



#36
 1,1-Dichloropropene
 Concen: 18.446 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83604		
110	38.5	19.0	57.0	
77	31.5	25.1	37.7	





#37

Ethyl Acetate

Concen: 19.182 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055821.D

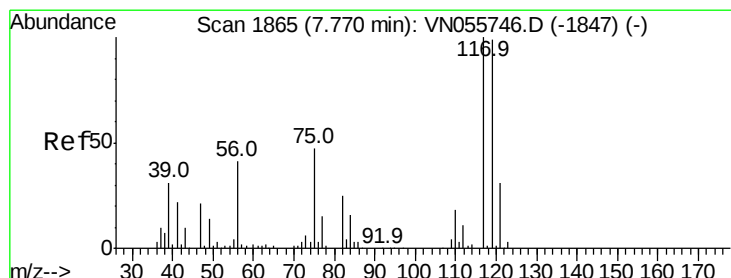
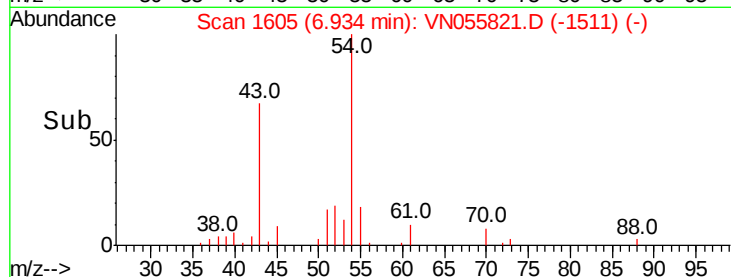
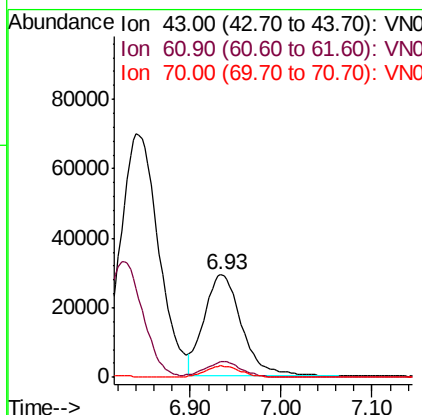
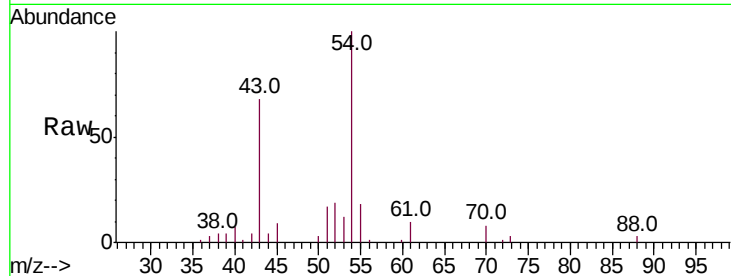
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.2	18.2
70	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:36:28 AM



#38

Carbon Tetrachloride

Concen: 18.764 ug/l

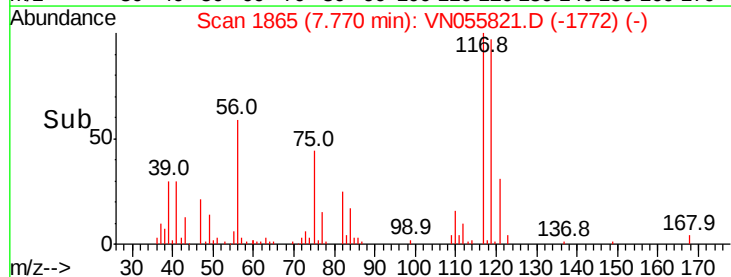
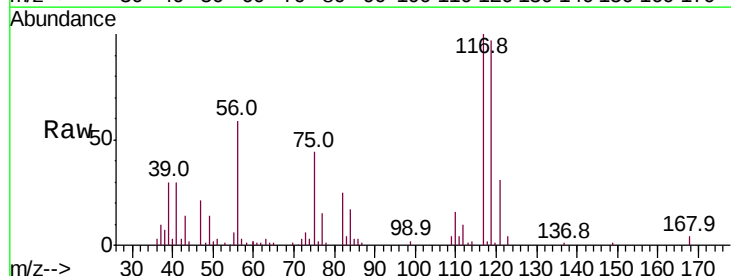
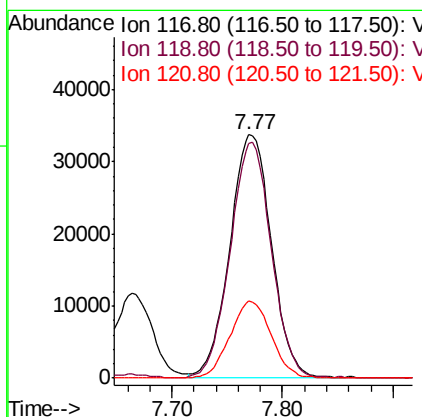
RT: 7.77 min Scan# 1865

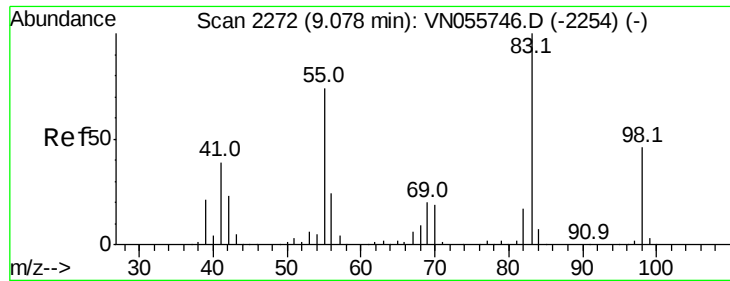
Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	79.0	118.6
121	31.5	24.7	37.1





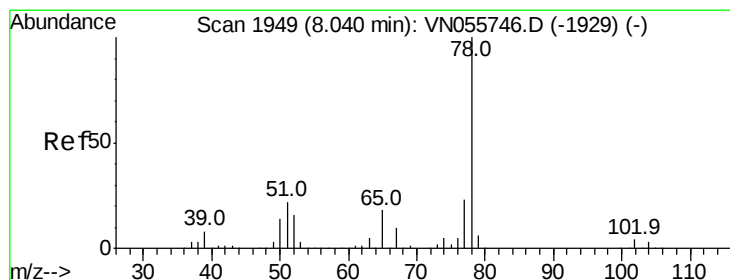
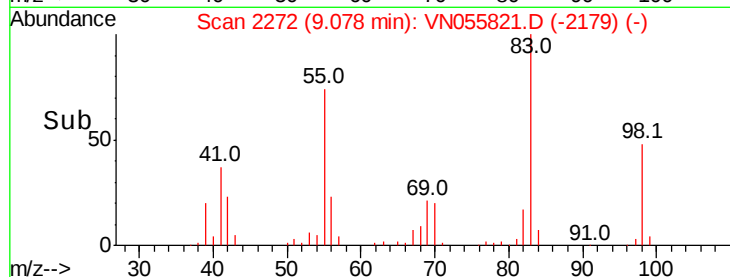
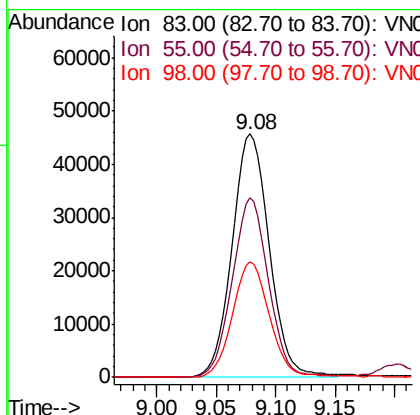
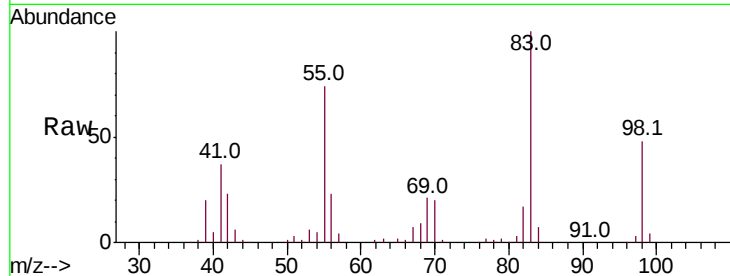
#39
Methvlcvclohexane
Concen: 17.695 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	59.3	88.9
98	47.7	36.6	54.8

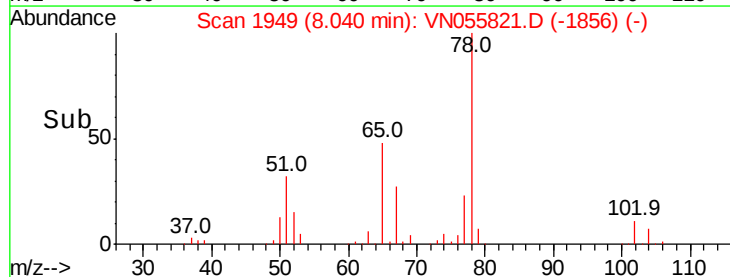
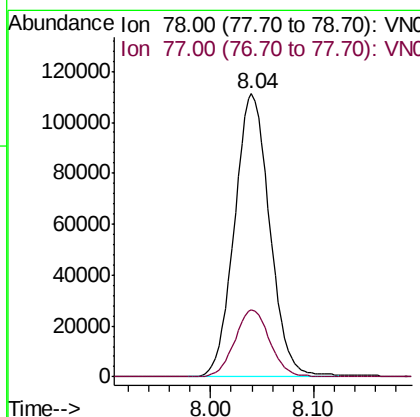
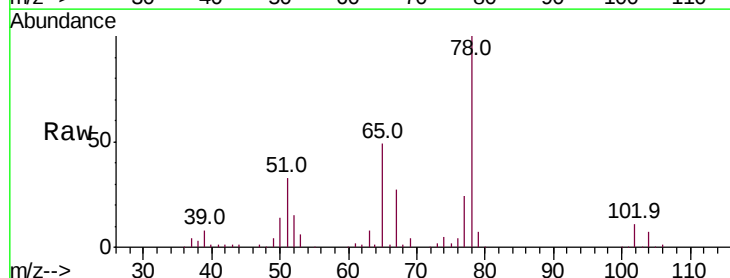
Manual Integrations
APPROVED

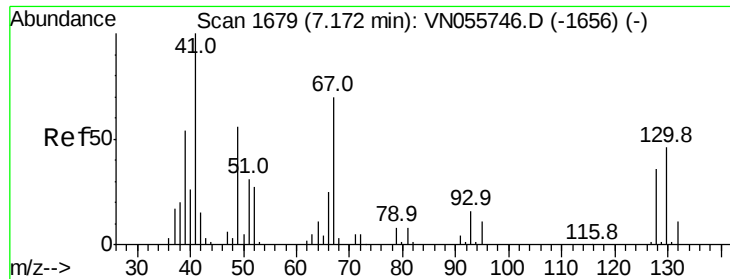
MMDadoda
5/28/2019 10:36:28 AM



#40
Benzene
Concen: 19.390 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





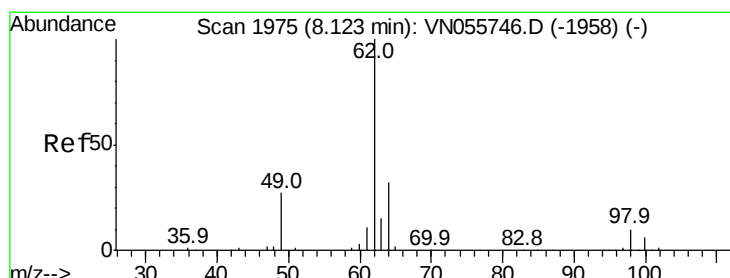
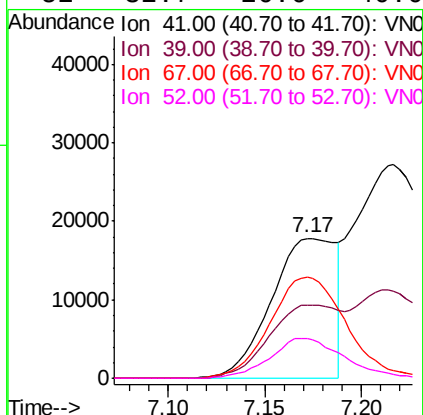
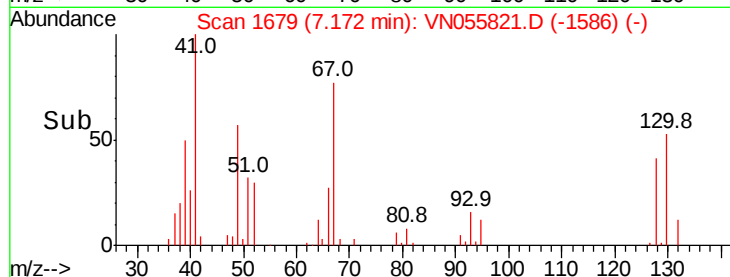
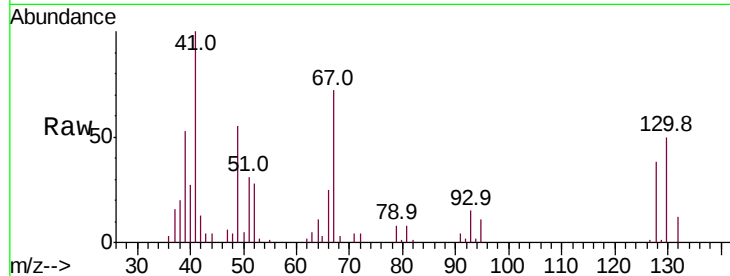
#41
Methacrylonitrile
Concen: 18.787 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.5	45.6	68.4	
67	85.0	67.7	101.5	
52	32.7	26.6	40.0	

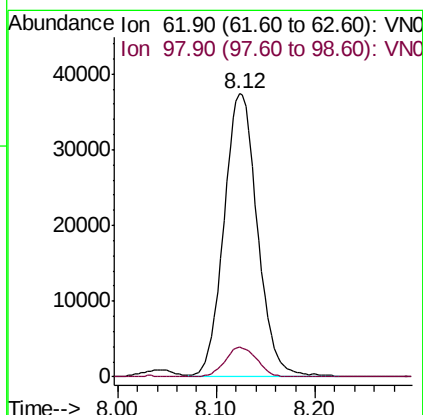
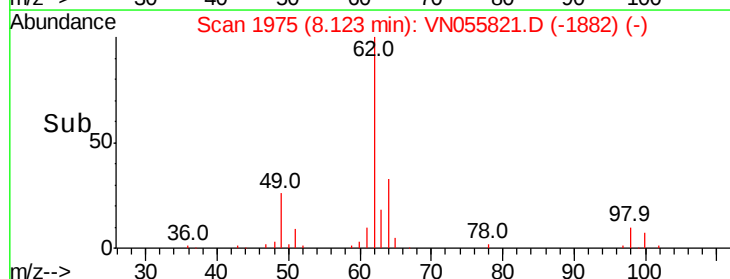
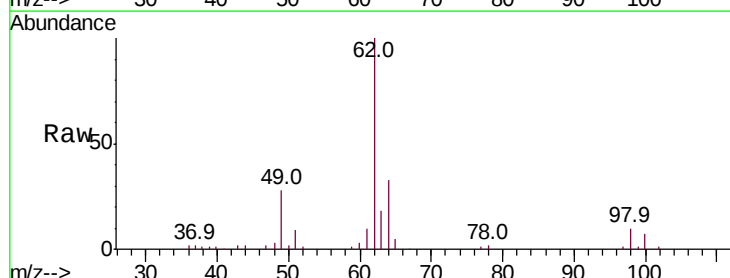
Manual Integrations
APPROVED

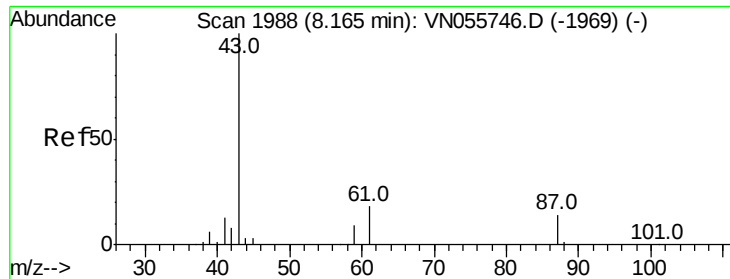
MMDadoda
5/28/2019 10:36:28 AM



#42
1,2-Dichloroethane
Concen: 19.889 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.2	





#43

Isopropyl Acetate

Concen: 18.381 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

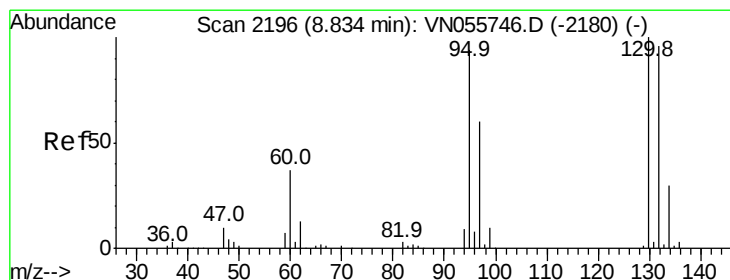
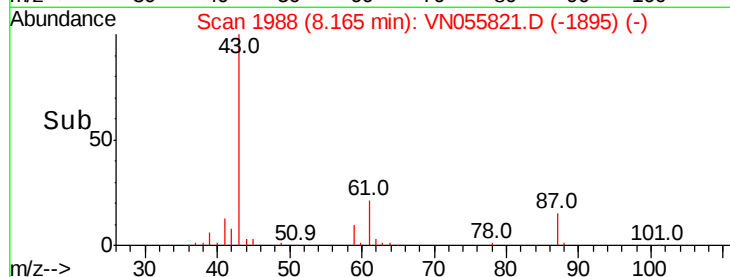
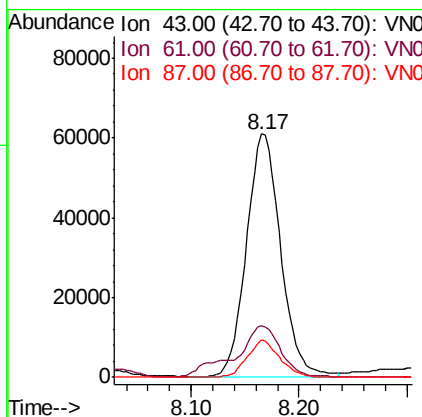
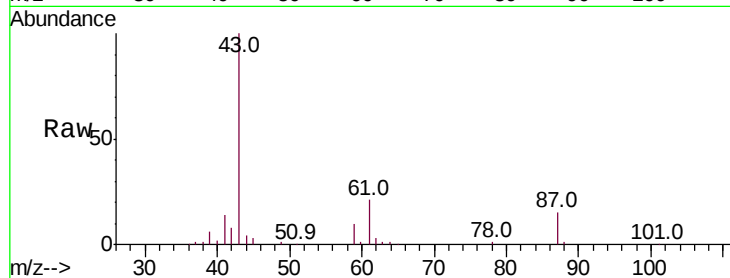
ClientSampleId :

VN0524WBS03

Tot Ion:	43	Resp:	135281
Ion Ratio	Lower	Upper	
43	100		
61	28.3	22.2	33.4
87	14.4	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:36:28 AM



#44

Trichloroethene

Concen: 20.085 ug/l

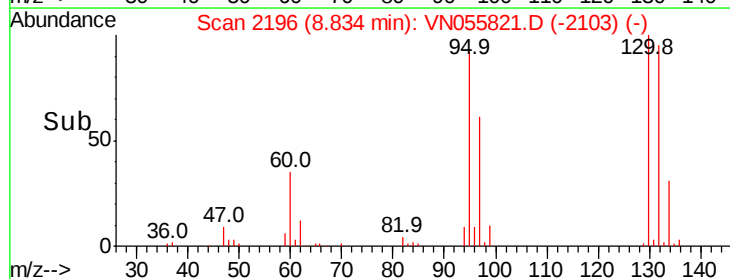
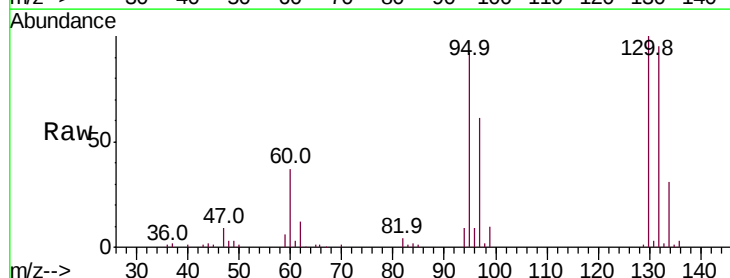
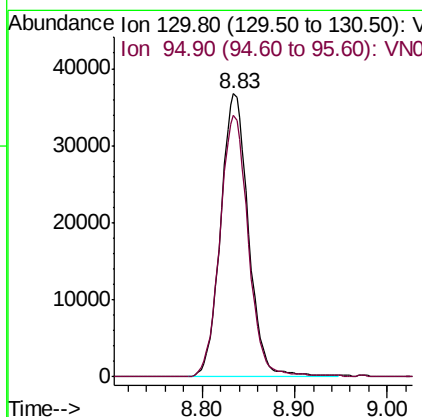
RT: 8.83 min Scan# 2196

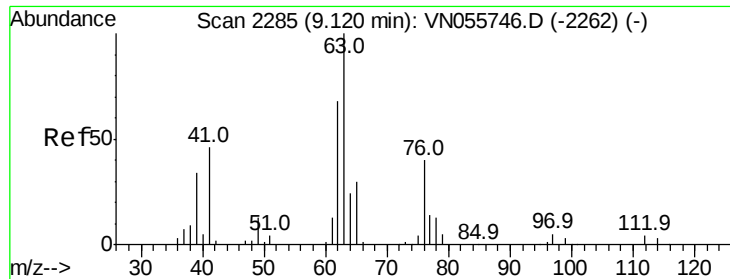
Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Tgt Ion:	130	Resp:	76486
Ion Ratio	Lower	Upper	
130	100		
95	92.4	0.0	188.0





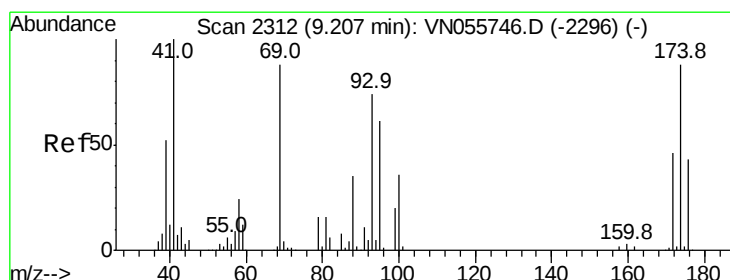
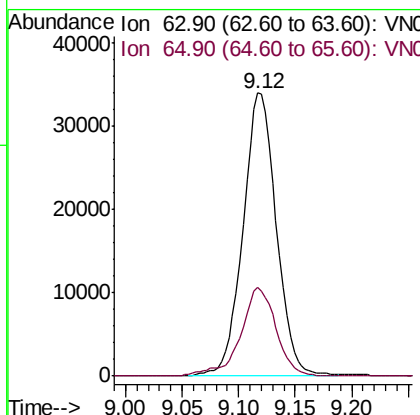
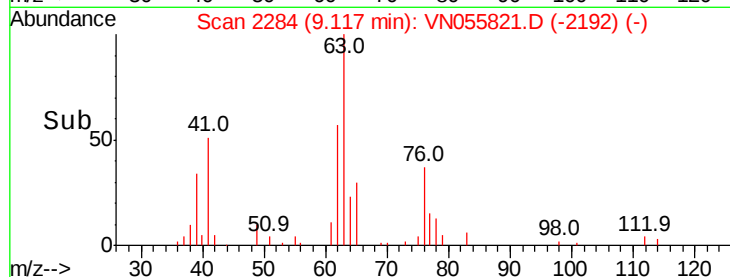
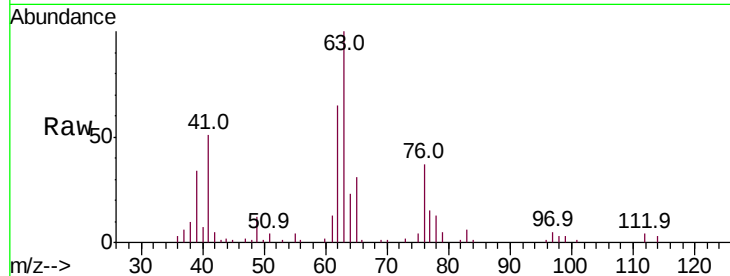
#45
 1,2-Dichloropropane
 Concen: 19.614 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

Tot Ion: 63 Resp: 69805
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 36.8

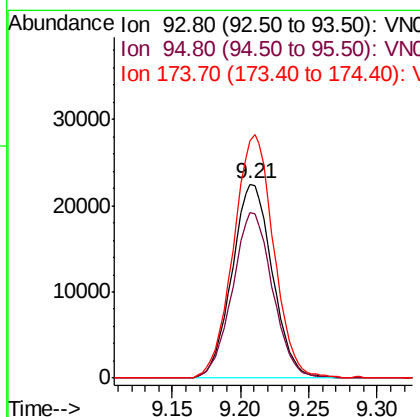
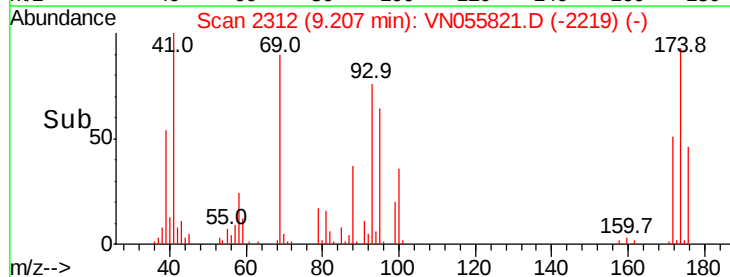
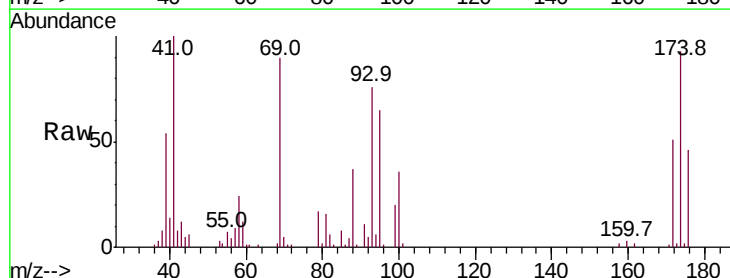
Manual Integrations
 APPROVED

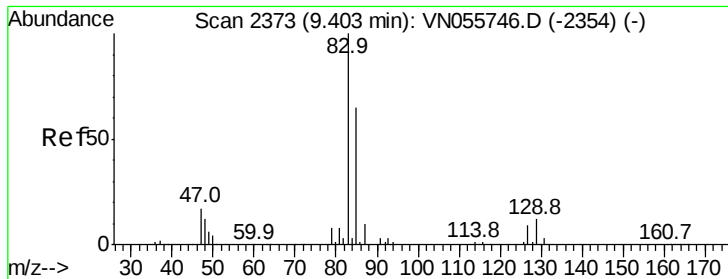
MMDadoda
 5/28/2019 10:36:28 AM



#46
 Dibromomethane
 Concen: 19.729 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion: 93 Resp: 46048
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.7 100.1
 174 125.6 96.4 144.6





#47

Bromodichloromethane

Concen: 18.976 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

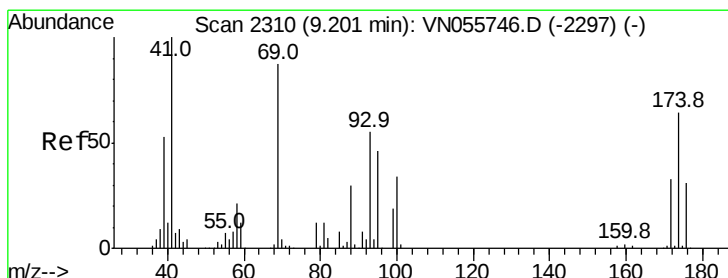
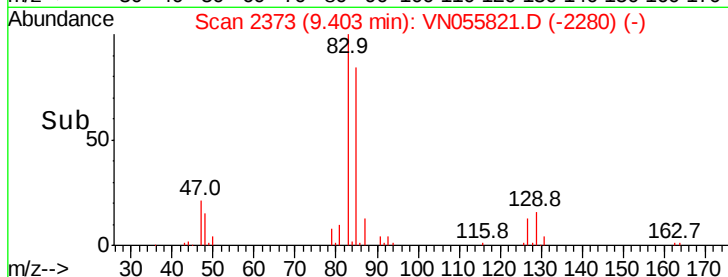
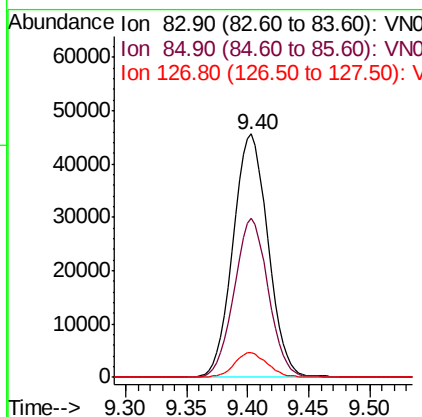
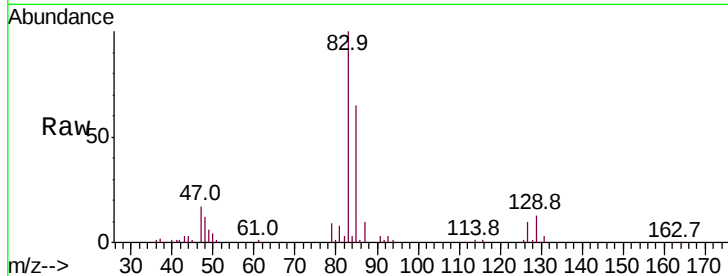
ClientSampleId :

VN0524WBS03

Tot Ion:	83	Resp:	90815
Ion Ratio	Lower	Upper	
83	100		
85	65.2	52.2	78.2
127	10.2	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:36:28 AM



#48

Methyl methacrylate

Concen: 19.444 ug/l

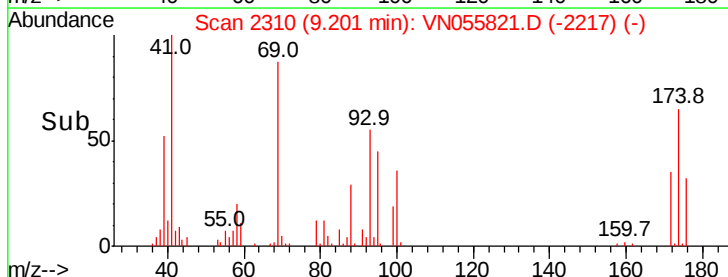
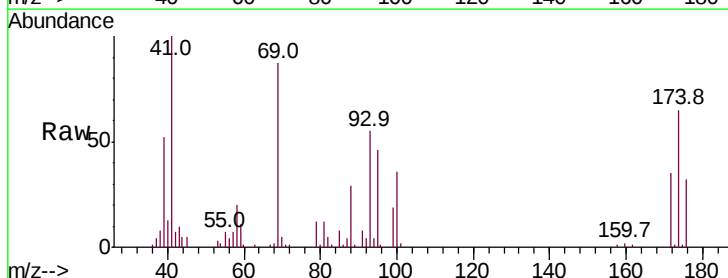
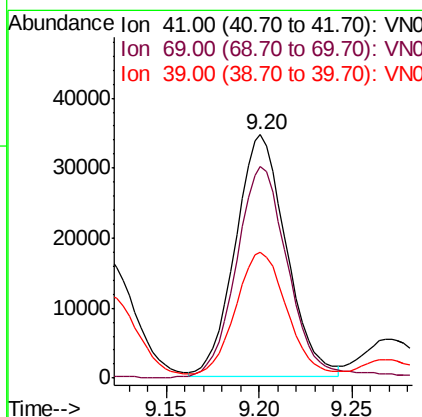
RT: 9.20 min Scan# 2310

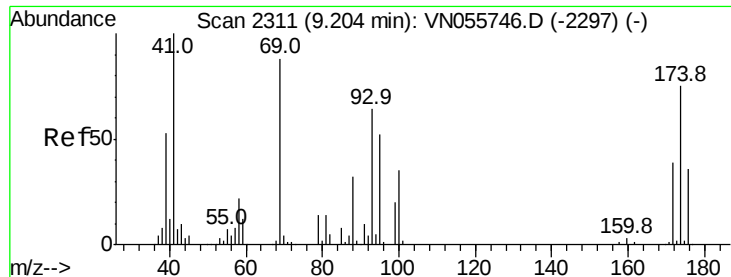
Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Tgt Ion:	41	Resp:	65954
Ion Ratio	Lower	Upper	
41	100		
69	90.5	71.0	106.6
39	52.6	44.2	66.2





#49

1,4-Dioxane

Concen: 399.451 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

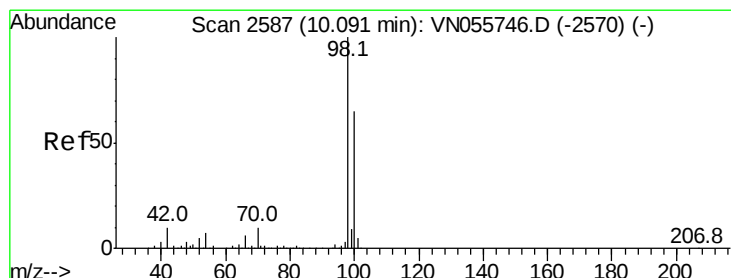
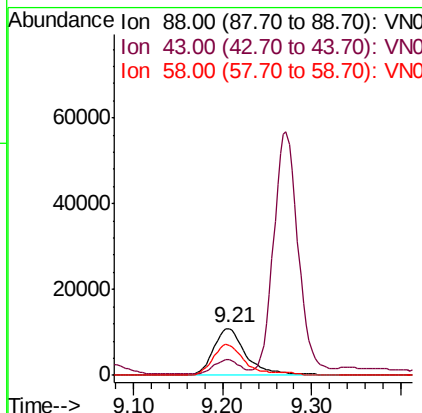
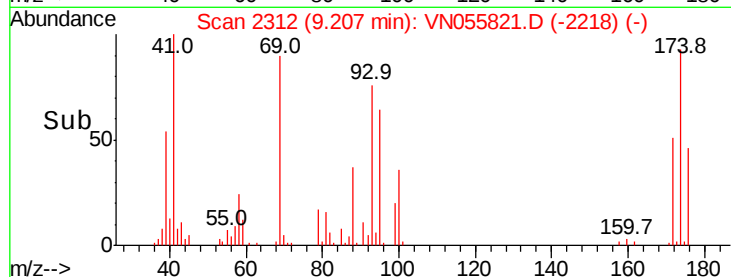
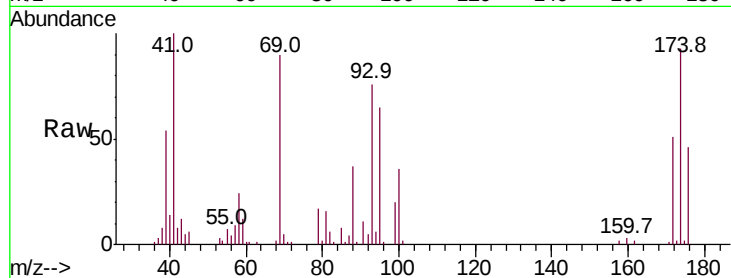
ClientSampleId :

VN0524WBS03

Tot Ion:	88	Resp:	28157
Ion Ratio	Lower	Upper	
88	100		
43	24.2	20.5	30.7
58	61.2	55.8	83.6

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:36:28 AM



#50

Toluene-d8

Concen: 50.234 ug/l

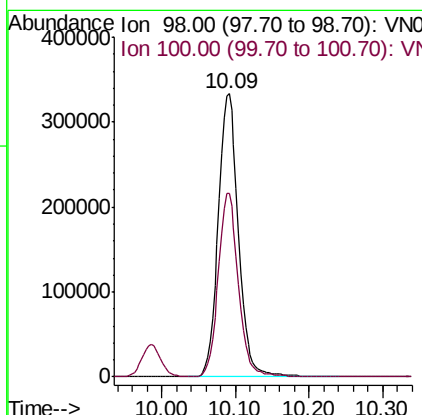
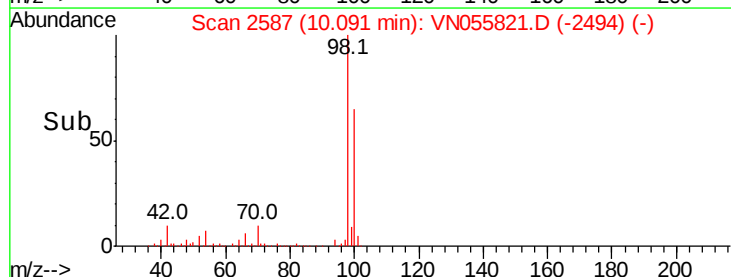
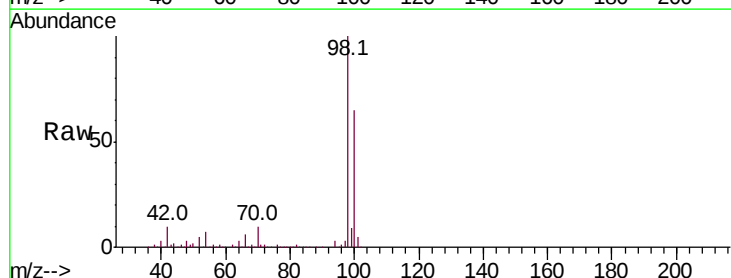
RT: 10.09 min Scan# 2587

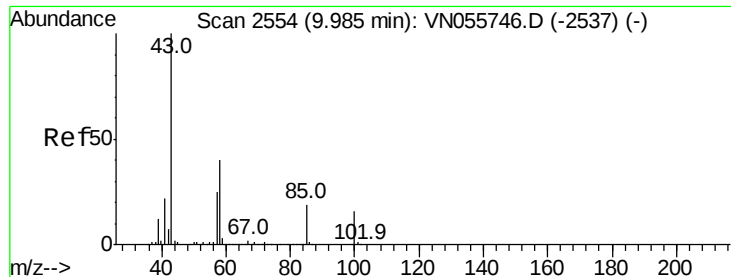
Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Tgt Ion:	98	Resp:	633599
Ion Ratio	Lower	Upper	
98	100		
100	64.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 95.175 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampled :

VN0524WBS03

Tot Ion: 43 Resp: 413707

Ion Ratio Lower Upper

43 100

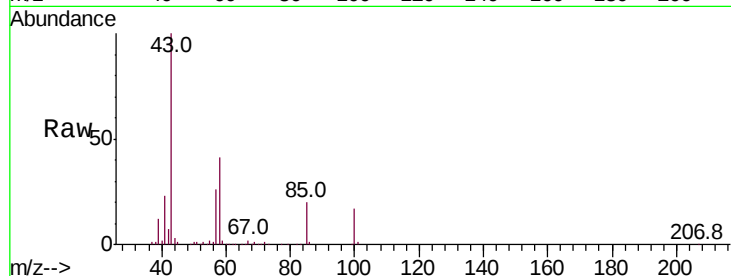
58 40.4 32.1 48.1

Manual Integrations

APPROVED

MMDadoda

5/28/2019 10:36:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

0

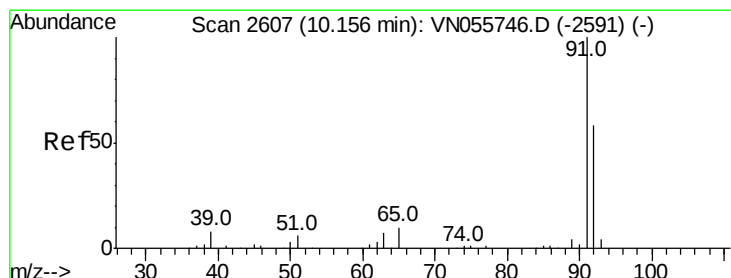
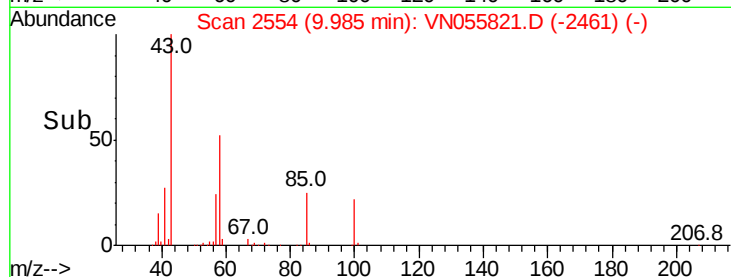
9.90

9.99

10.00

10.10

Time-->



#52

Toluene

Concen: 19.803 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055821.D

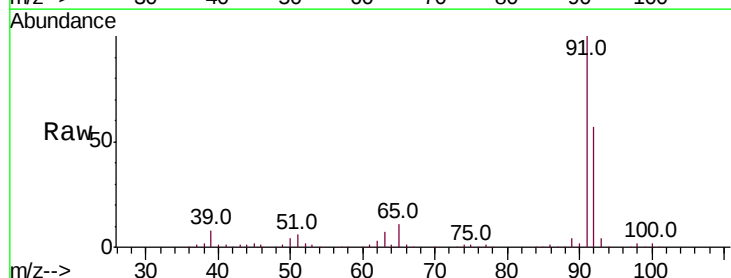
Acq: 25 May 2019 2:34

Tgt Ion: 92 Resp: 170127

Ion Ratio Lower Upper

92 100

91 173.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

50000

0

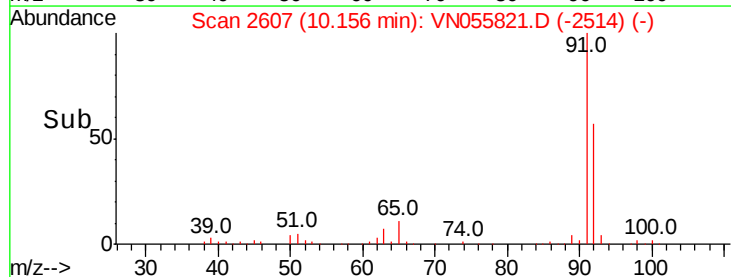
10.10

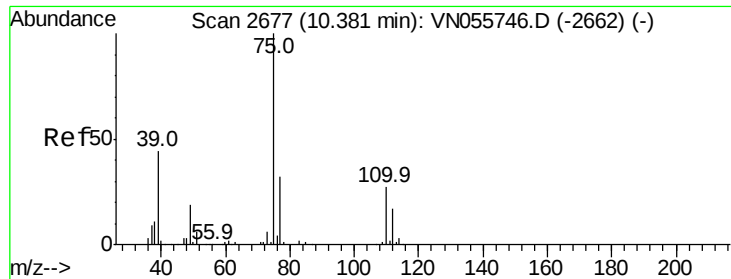
10.16

10.20

10.30

Time-->





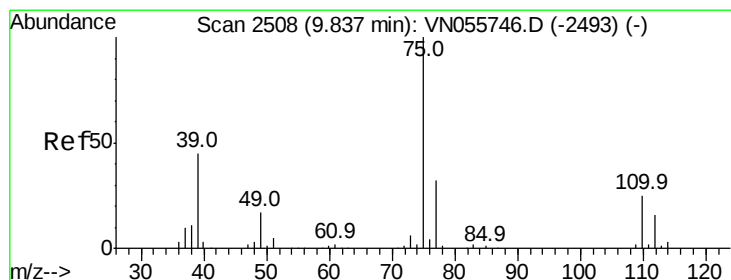
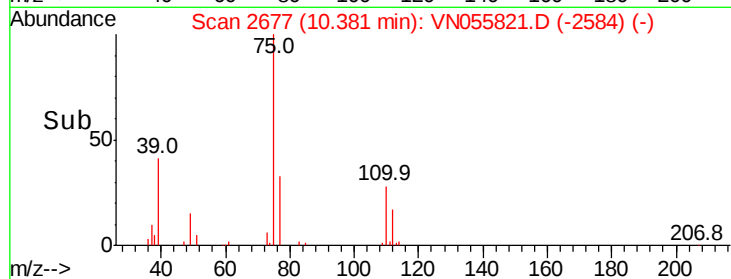
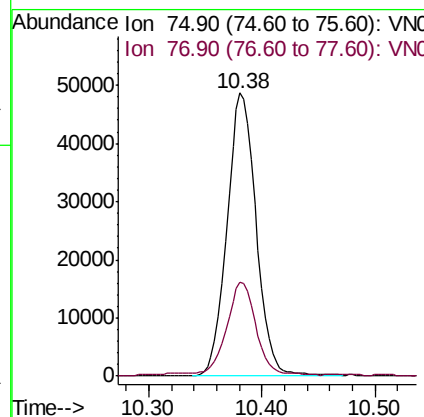
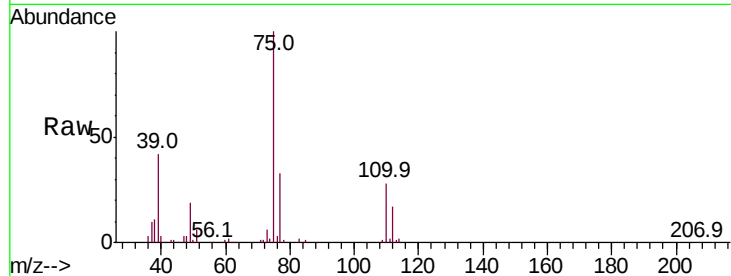
#53
 t-1,3-Dichloropropene
 Concen: 17.103 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0524WBS03

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.8	38.6

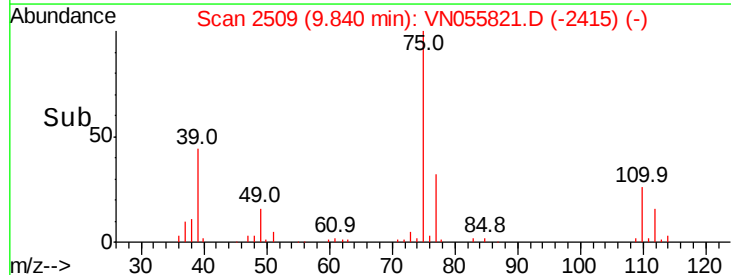
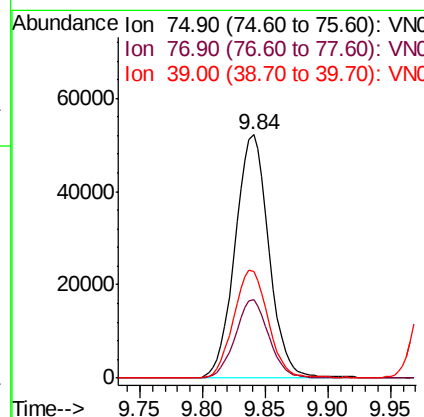
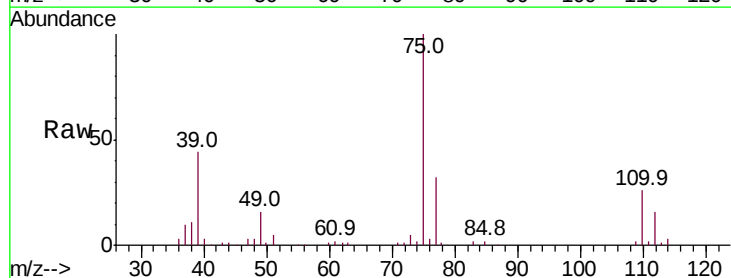
Manual Integrations
 APPROVED

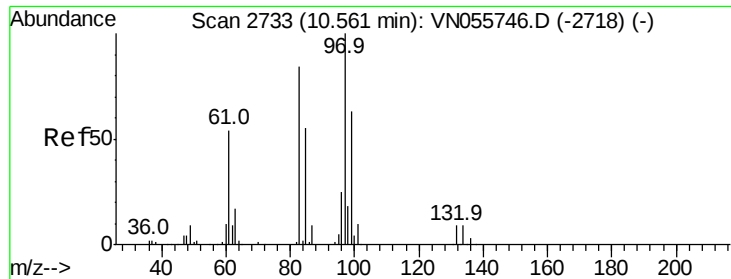
MMDadoda
 5/28/2019 10:36:28 AM



#54
 cis-1,3-Dichloropropene
 Concen: 17.291 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0
39	43.9	36.3	54.5





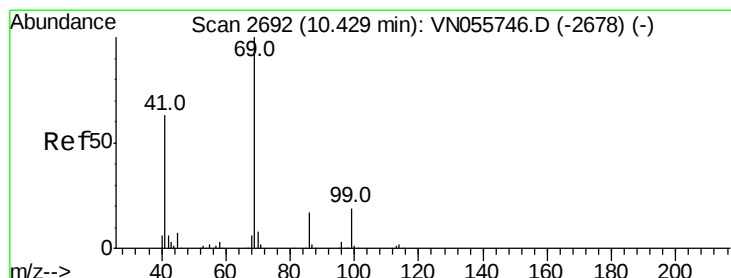
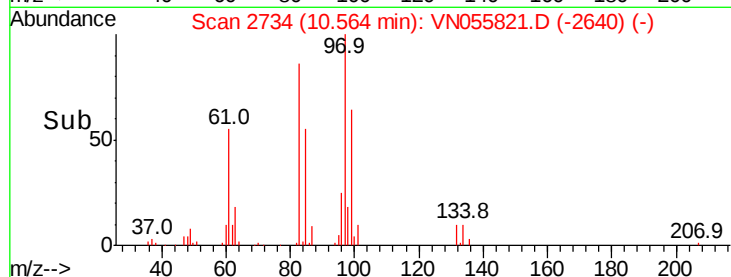
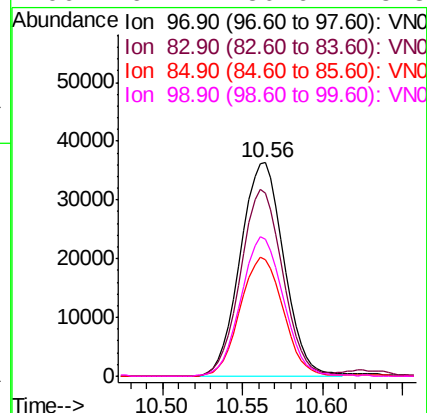
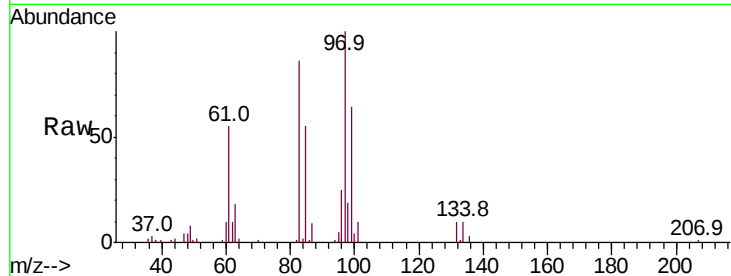
#55
 1,1,2-Trichloroethane
 Concen: 19.741 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.0	100.6
85	54.8	44.0	66.0
99	64.1	50.6	75.8

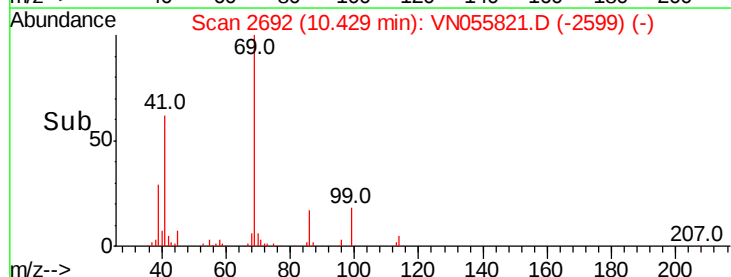
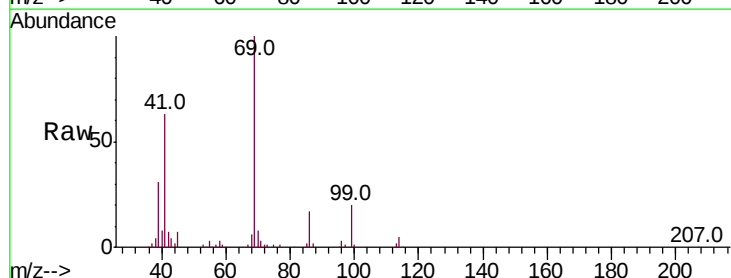
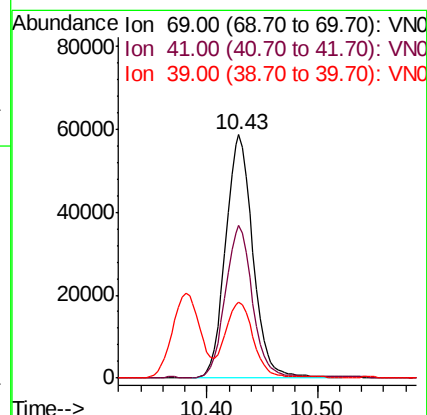
Manual Integrations
 APPROVED

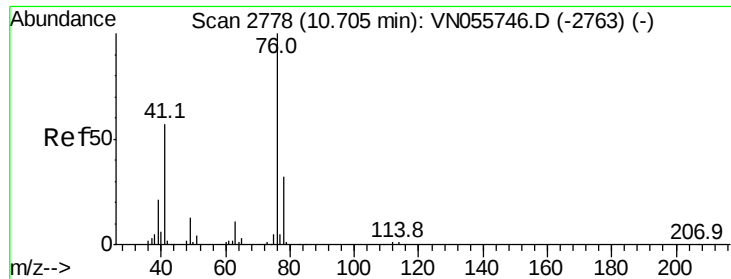
MMDadoda
 5/28/2019 10:36:28 AM



#56
 Ethyl methacrylate
 Concen: 19.010 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.3	49.7	74.5
39	31.7	24.7	37.1





#57

1,3-Dichloropropane

Concen: 19.792 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampled :

VN0524WBS03

Tot Ion: 76 Resp: 110719

Ion Ratio Lower Upper

76 100

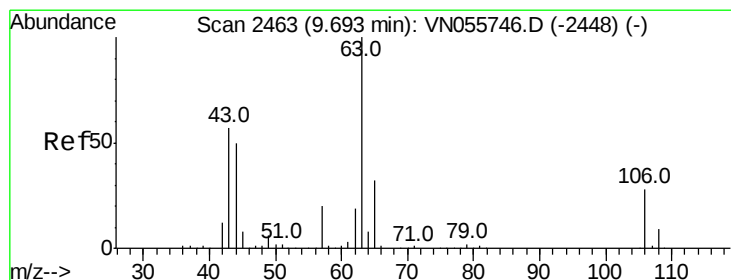
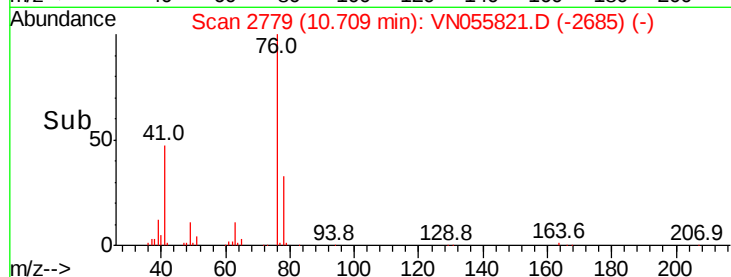
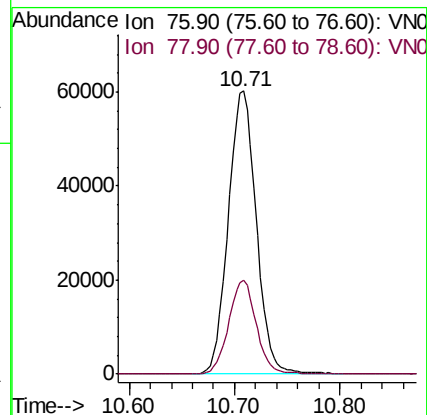
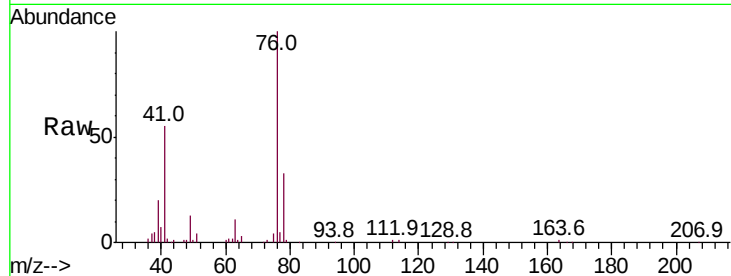
78 32.5 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

5/28/2019 10:36:28 AM



#58

2-Chloroethyl Vinyl ether

Concen: 88.604 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055821.D

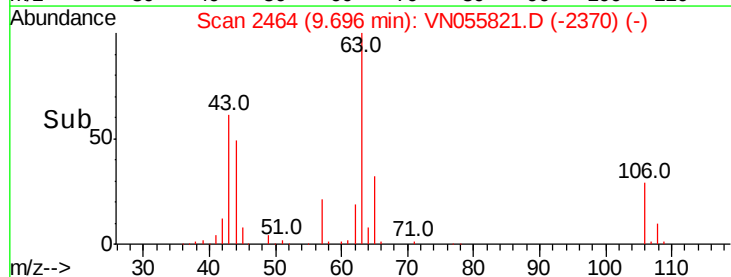
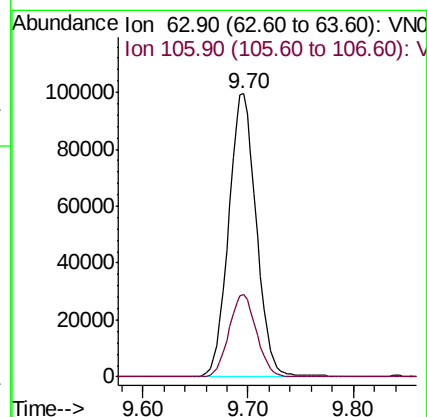
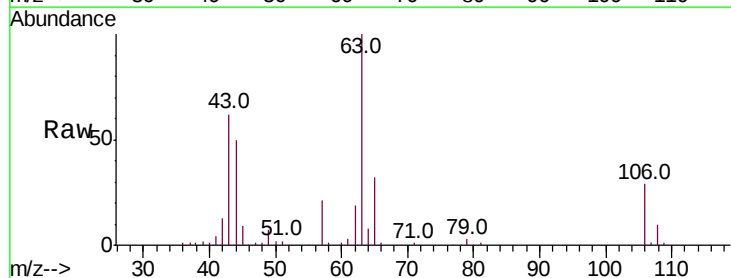
Acq: 25 May 2019 2:34

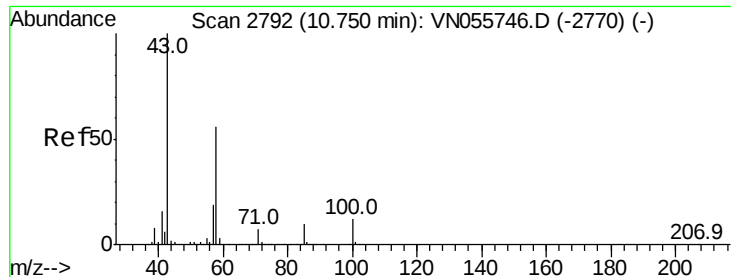
Tgt Ion: 63 Resp: 180103

Ion Ratio Lower Upper

63 100

106 29.0 22.7 34.1





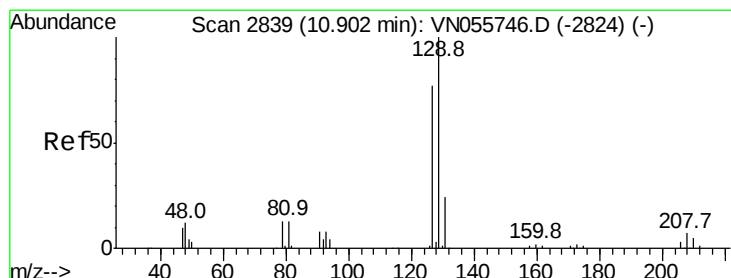
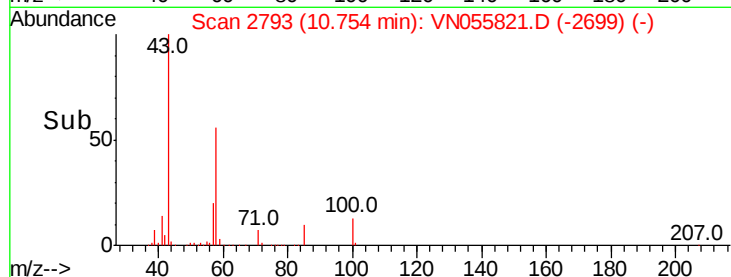
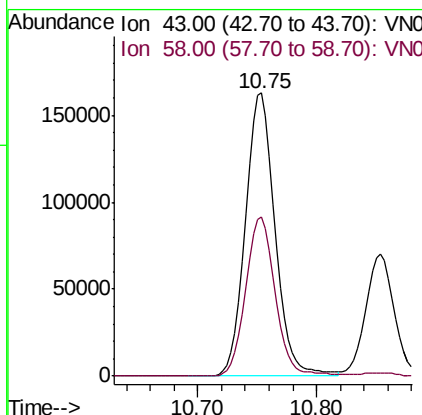
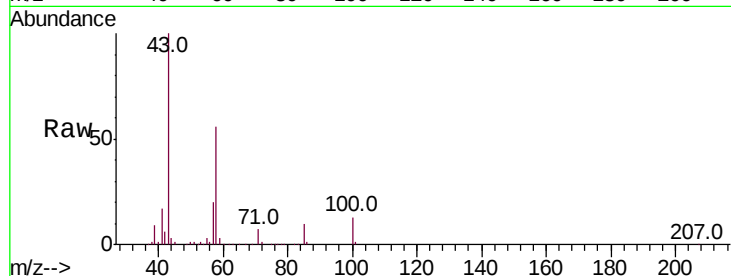
#59
2-Hexanone
Concen: 90.947 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

Tot Ion: 43 Resp: 280451
Ion Ratio Lower Upper
43 100
58 56.3 28.2 84.7

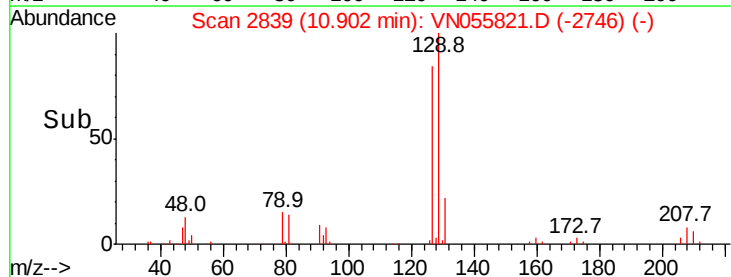
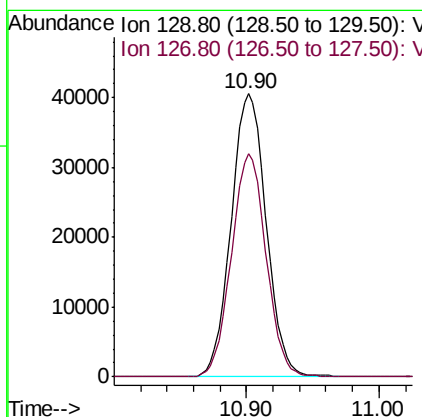
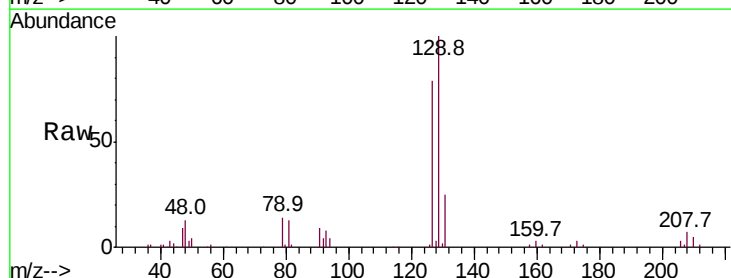
Manual Integrations
APPROVED

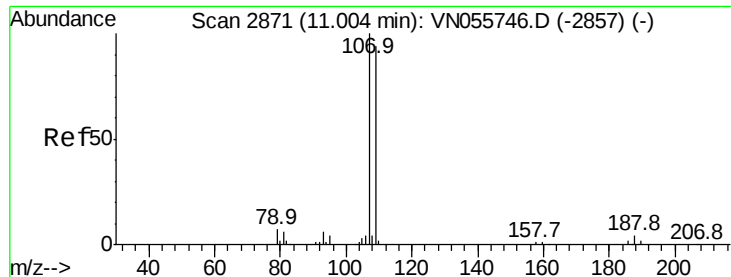
MMDadoda
5/28/2019 10:36:28 AM



#60
Dibromochloromethane
Concen: 18.603 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion: 129 Resp: 74585
Ion Ratio Lower Upper
129 100
127 77.7 38.1 114.3





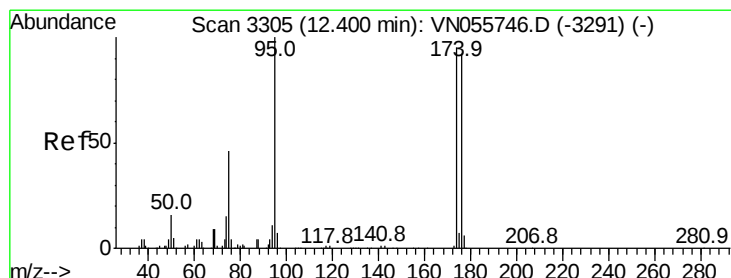
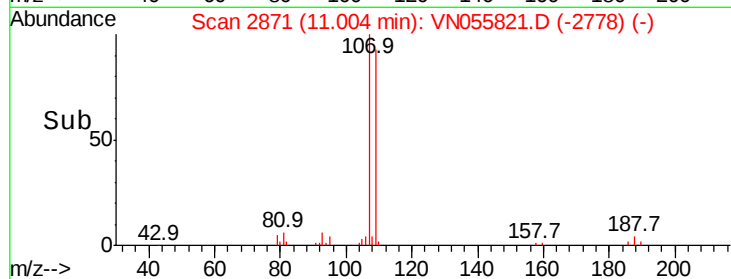
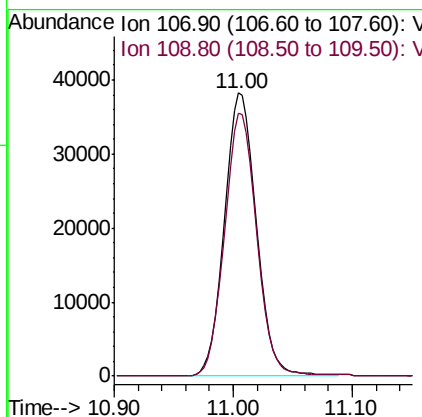
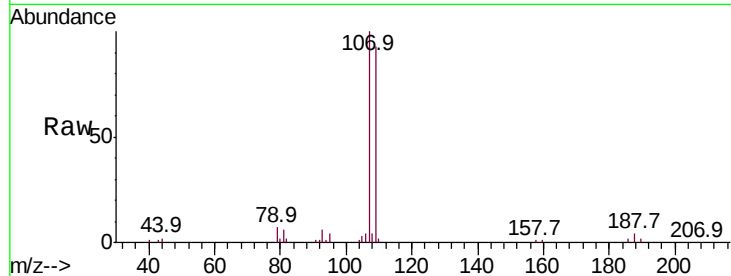
#61
 1,2-Dibromoethane
 Concen: 19.939 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.8	112.2

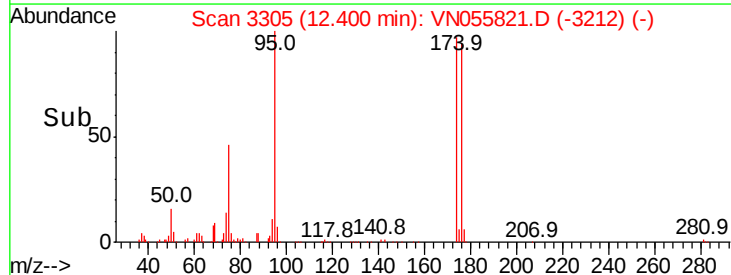
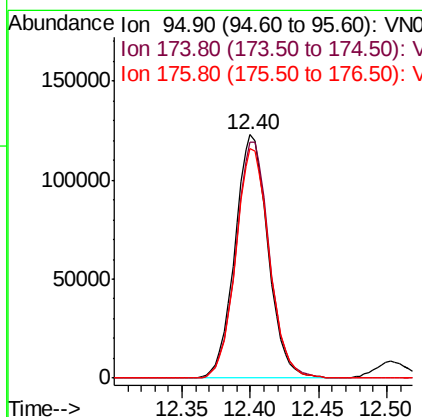
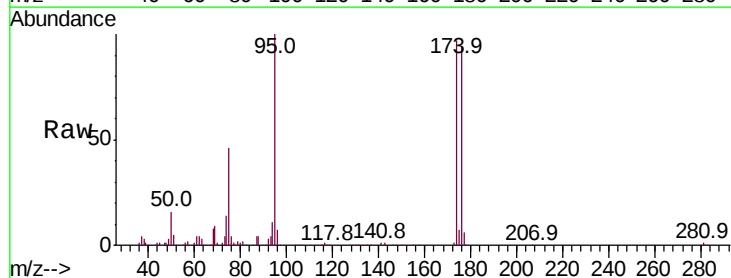
Manual Integrations
 APPROVED

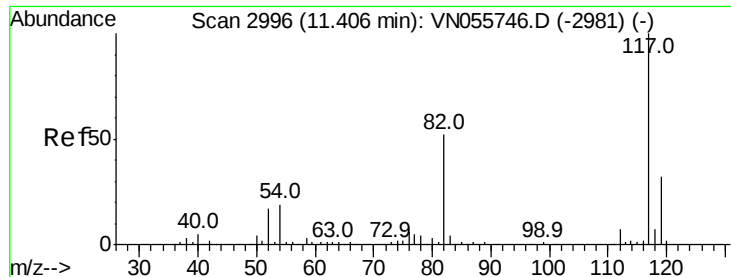
MMDadoda
 5/28/2019 10:36:28 AM



#62
 4-Bromofluorobenzene
 Concen: 47.886 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.1	0.0	191.0
176	95.6	0.0	185.2





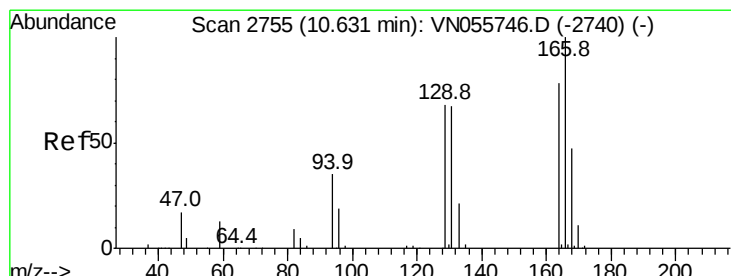
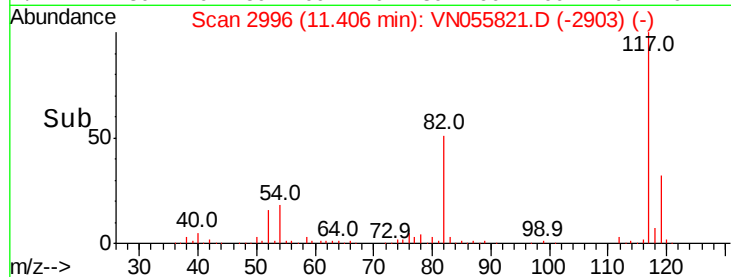
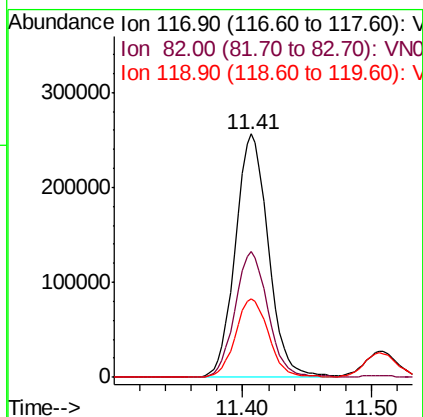
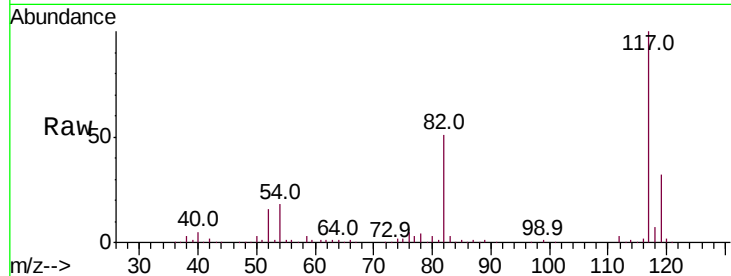
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.8	62.8
119	32.4	25.4	38.0

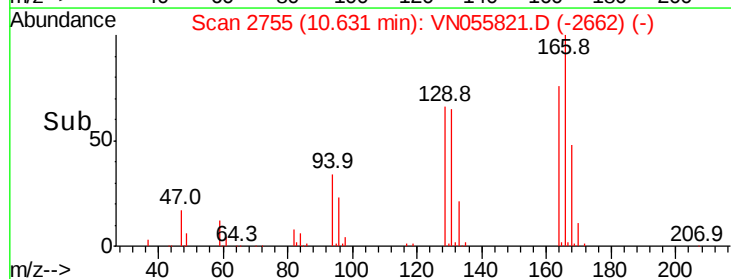
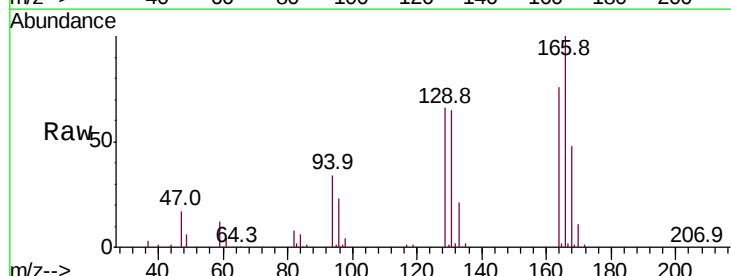
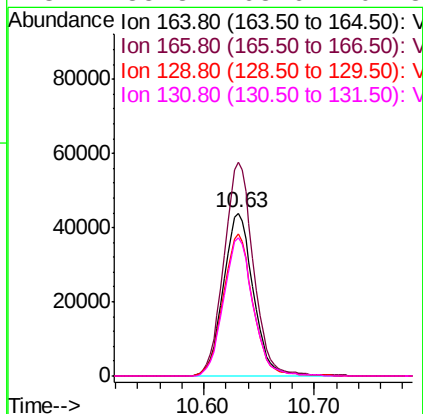
Manual Integrations
APPROVED

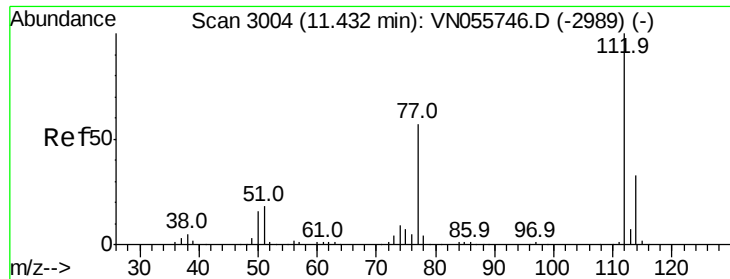
MMDadoda
5/28/2019 10:36:28 AM



#64
Tetrachloroethene
Concen: 21.452 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	103.0	154.6
129	87.0	70.6	105.8
131	85.3	68.6	102.8





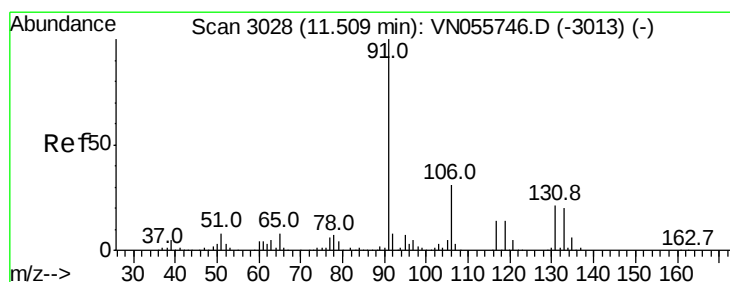
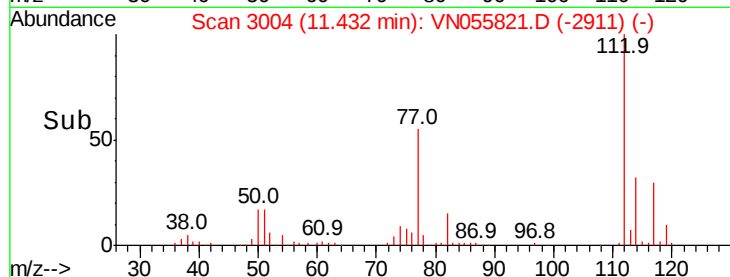
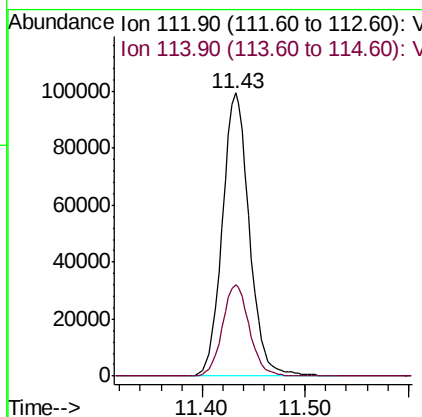
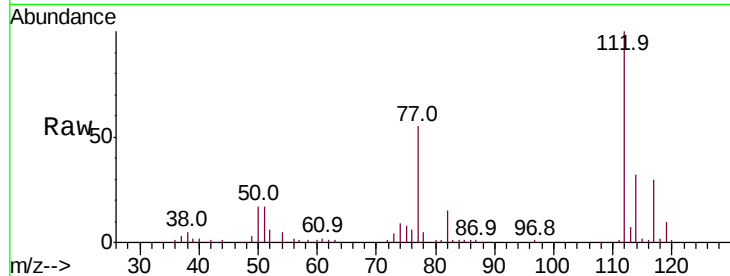
#65
Chlorobenzene
Concen: 19.767 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampled :
VN0524WBS03

Tot Ion:112 Resp: 180793
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4

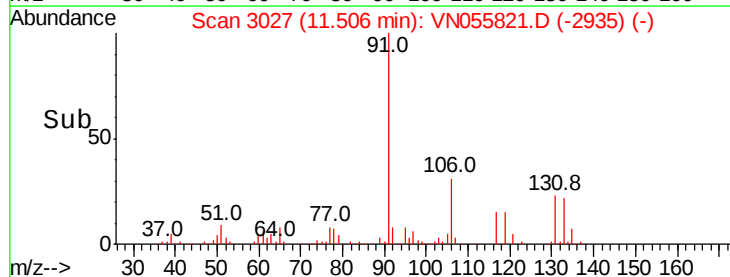
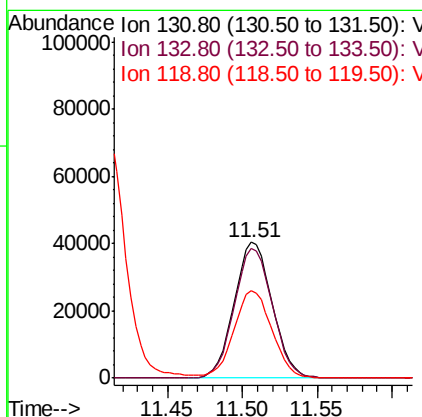
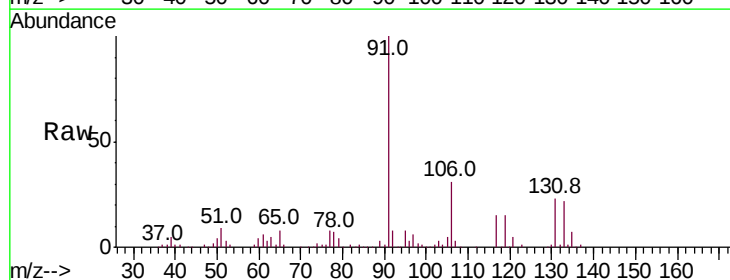
Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:36:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.630 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion:131 Resp: 71606
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 64.7 33.1 99.5





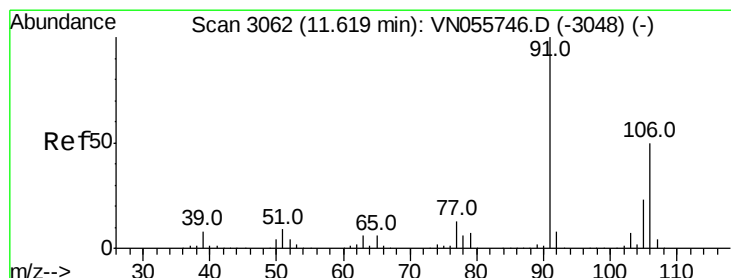
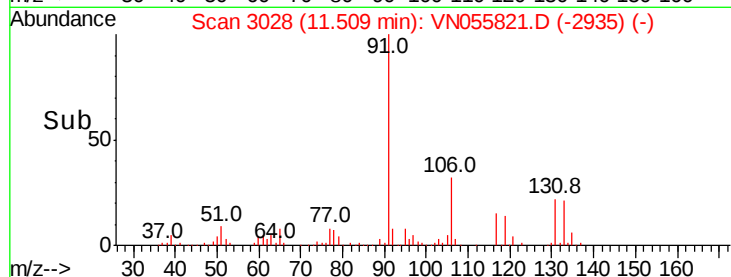
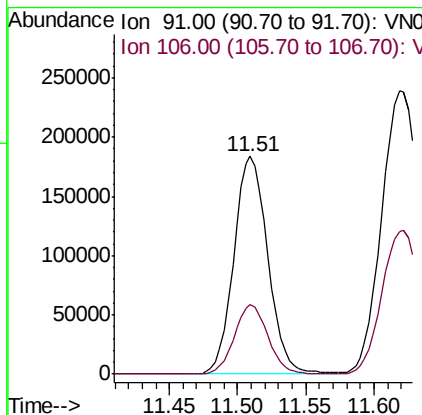
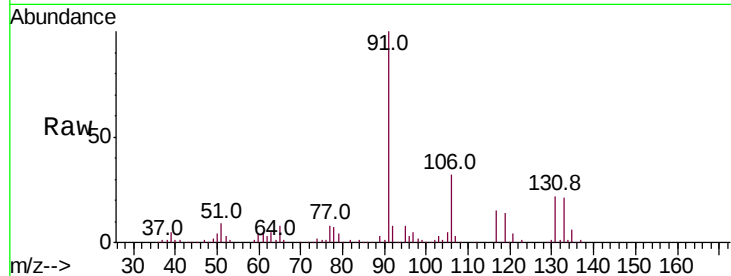
#67
Ethyl Benzene
Concen: 19.395 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampled :
VN0524WBS03

Tot Ion: 91 Resp: 318120
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7

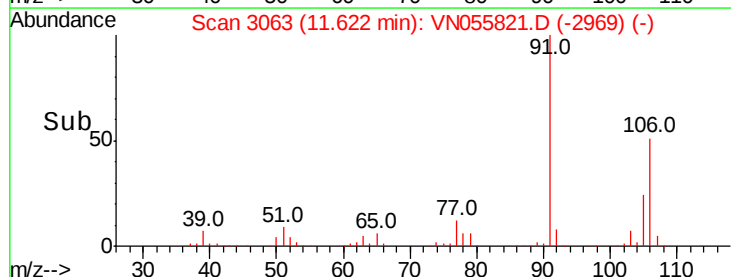
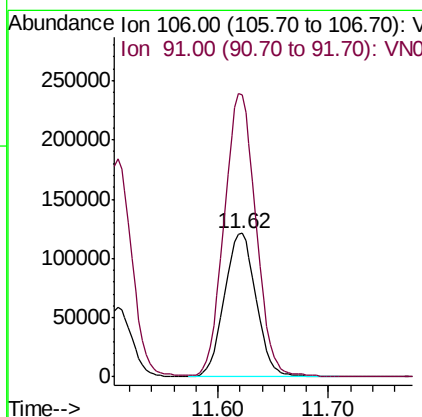
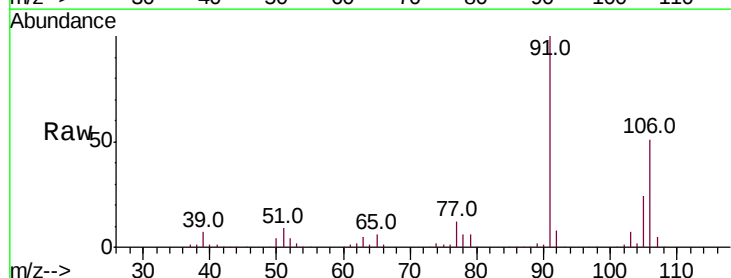
Manual Integrations
APPROVED

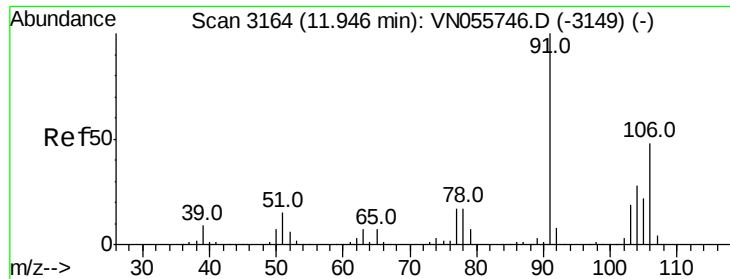
MMDadoda
5/28/2019 10:36:28 AM



#68
m/p-Xylenes
Concen: 39.066 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion: 106 Resp: 242239
Ion Ratio Lower Upper
106 100
91 197.3 159.3 238.9





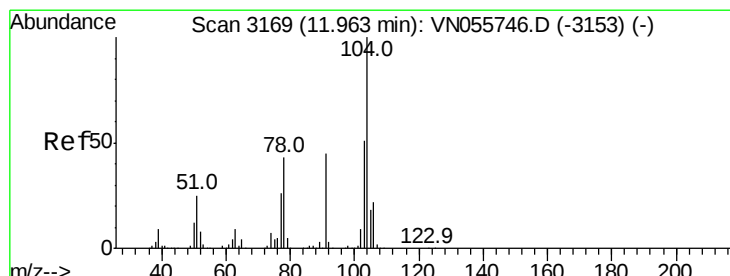
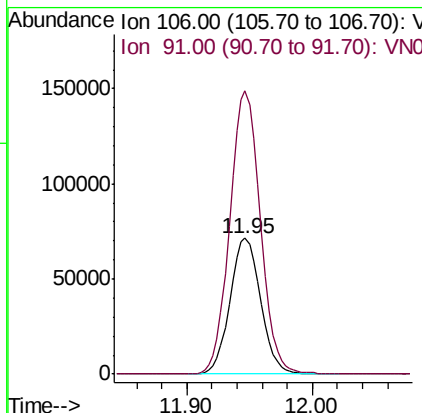
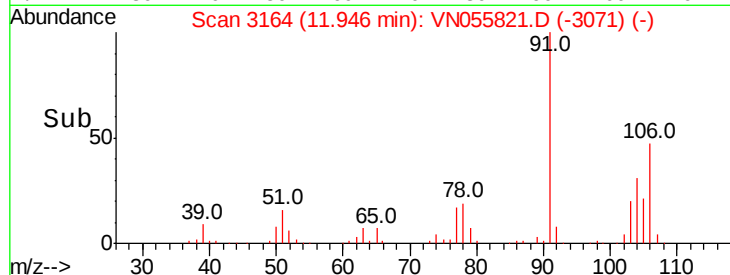
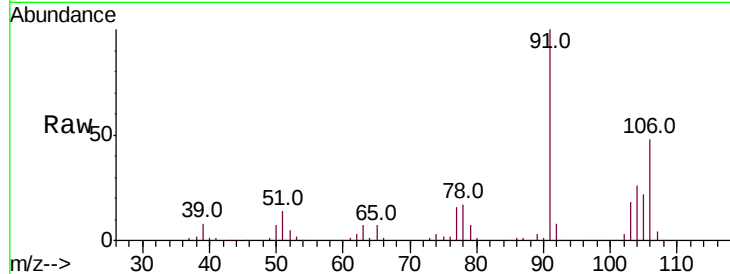
#69
o-Xylene
Concen: 19.740 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

Tot Ion:106 Resp: 121439
Ion Ratio Lower Upper
106 100
91 207.3 104.7 314.1

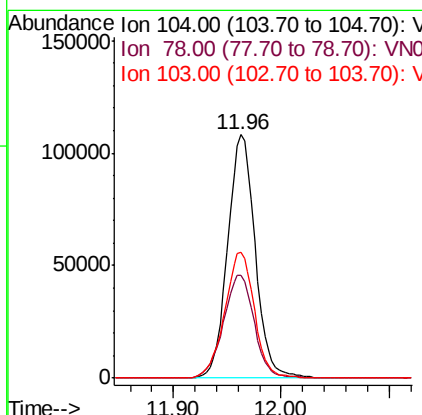
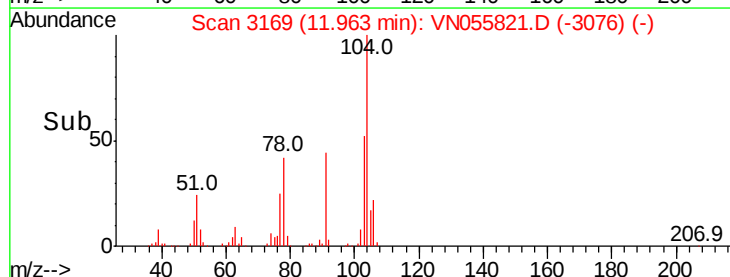
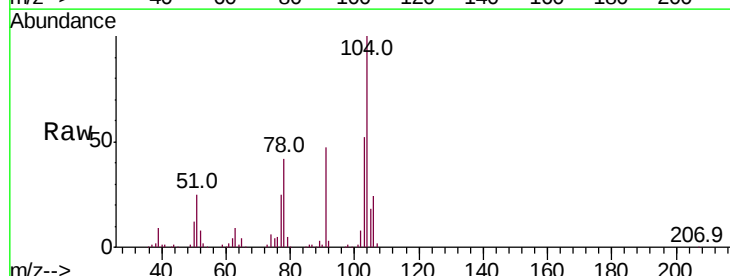
Manual Integrations
APPROVED

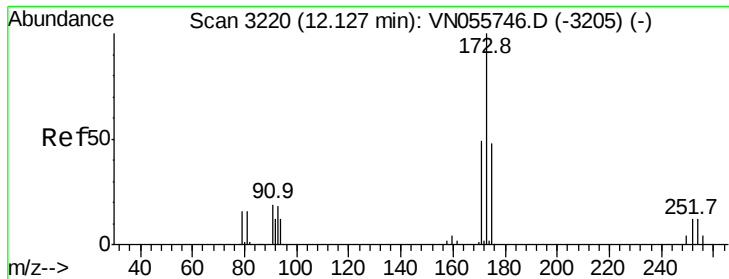
MMDadoda
5/28/2019 10:36:28 AM



#70
Styrene
Concen: 19.367 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion:104 Resp: 192938
Ion Ratio Lower Upper
104 100
78 47.1 37.8 56.6
103 55.4 44.2 66.2





#71

Bromoform

Concen: 18.140 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

Tot Ion:173 Resp: 56442

Ion Ratio Lower Upper

173 100

175 48.6 24.3 72.8

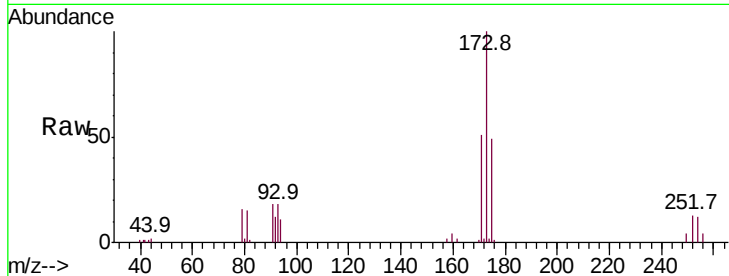
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

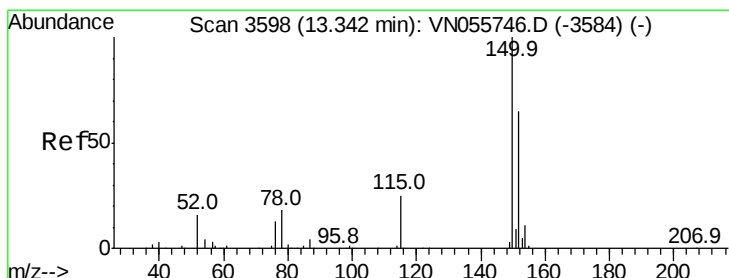
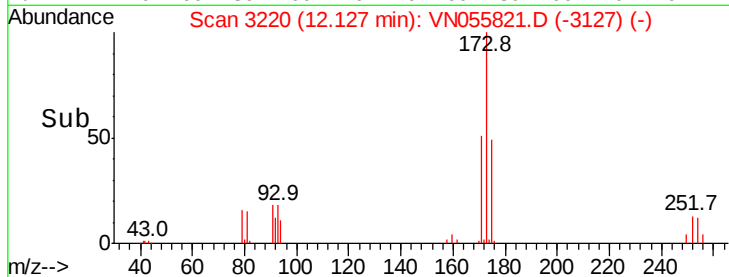
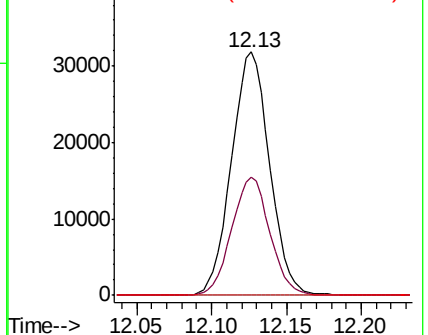
5/28/2019 10:36:28 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

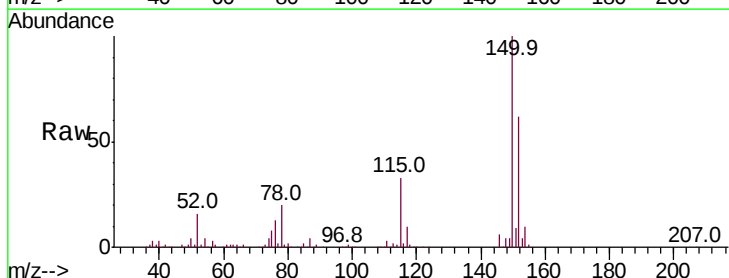
Tgt Ion:152 Resp: 188152

Ion Ratio Lower Upper

152 100

115 52.9 27.0 81.0

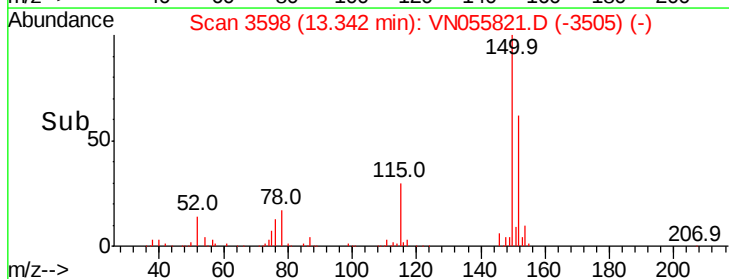
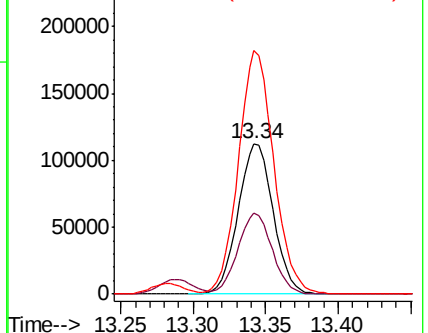
150 164.1 0.0 343.2

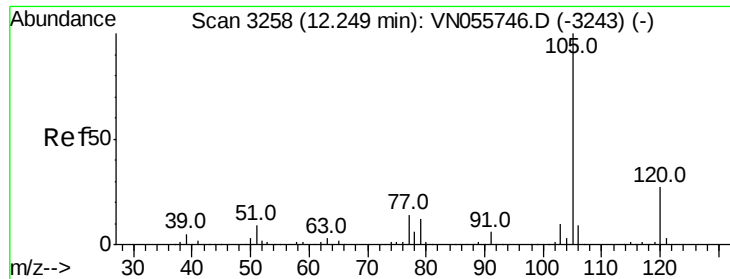


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.080 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

Tot Ion:105 Resp: 315445

Ion Ratio Lower Upper

105 100

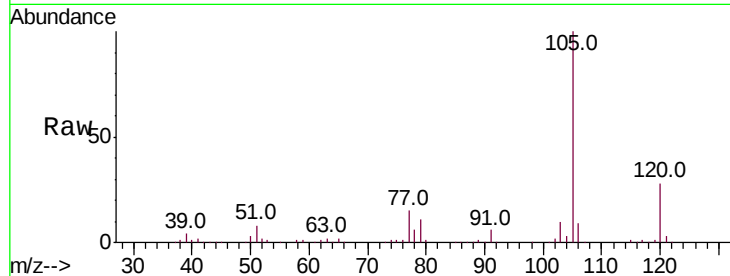
120 27.6 13.6 40.7

Manual Integrations

APPROVED

MMDadoda

5/28/2019 10:36:28 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

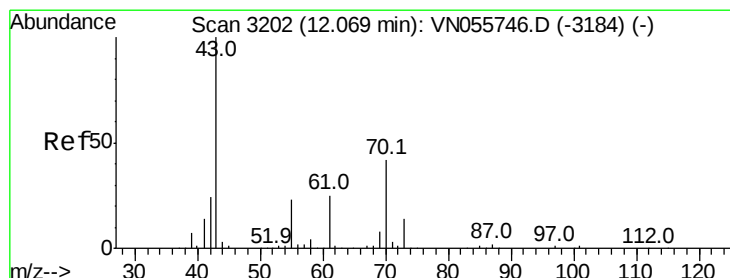
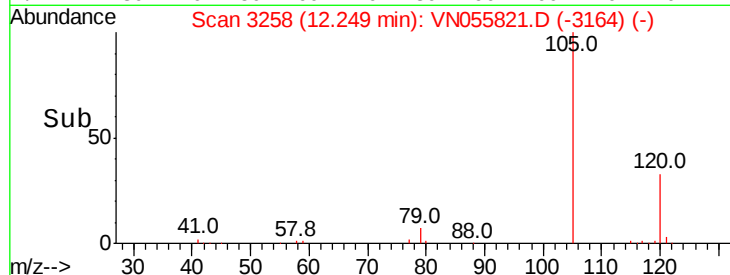
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 19.409 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Tgt Ion: 43 Resp: 105994

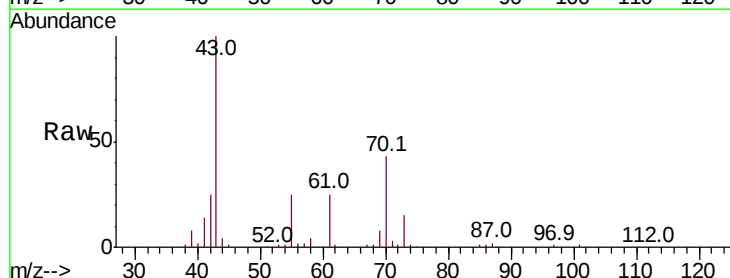
Ion Ratio Lower Upper

43 100

70 43.9 34.0 51.0

55 24.6 18.6 28.0

61 25.1 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

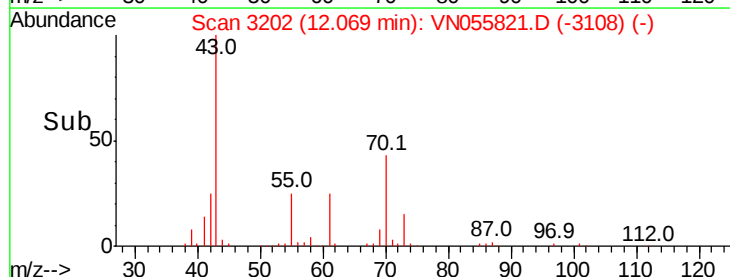
40000

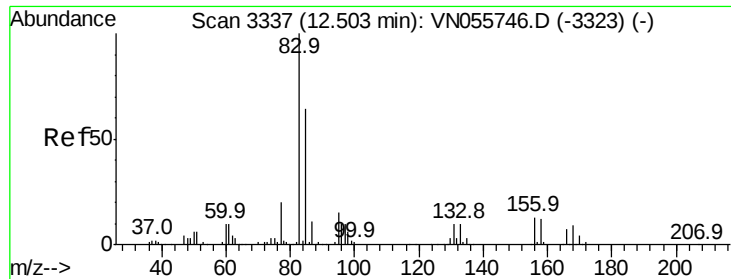
20000

0

12.00 12.07 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.468 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

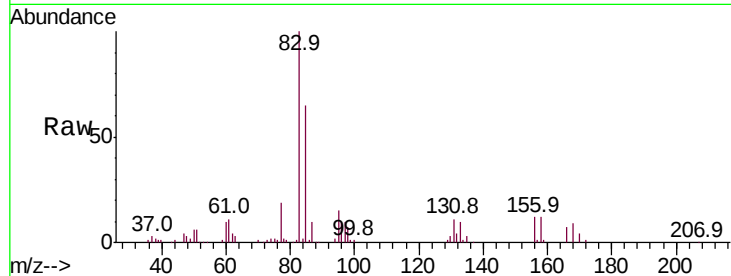
ClientSampled :

VN0524WBS03

Tot Ion:	83	Resp:	92591
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.4	16.2
85	65.0	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:36:28 AM

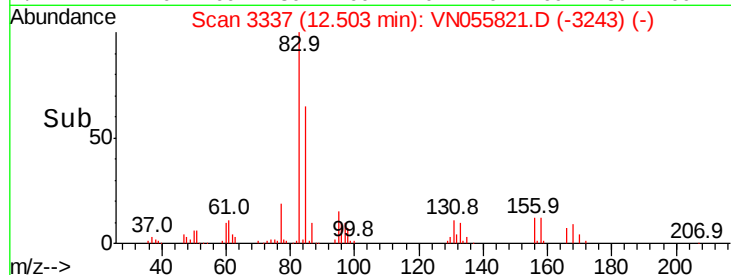


Abundance Ion 82.90 (82.60 to 83.60): VN055821.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055821.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055821.D (-3323) (-)

Time-->

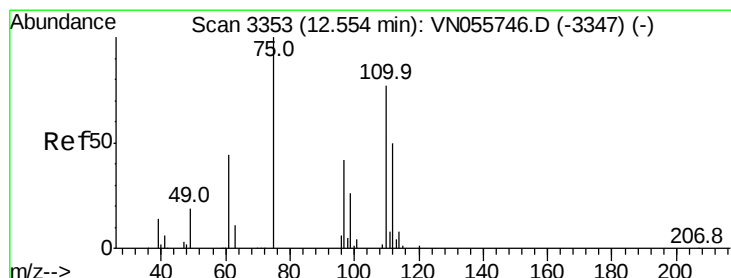


Abundance Ion 82.90 (82.60 to 83.60): VN055821.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055821.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055821.D (-3243) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 23.415 ug/l m

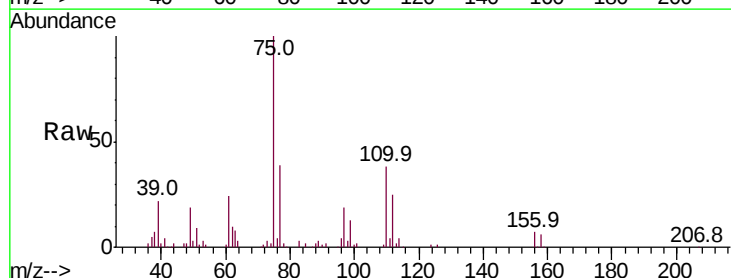
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

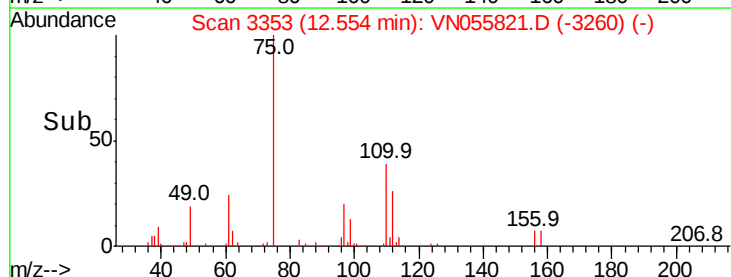
Tgt Ion:	75	Resp:	81283
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055821.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055821.D (-3347) (-)

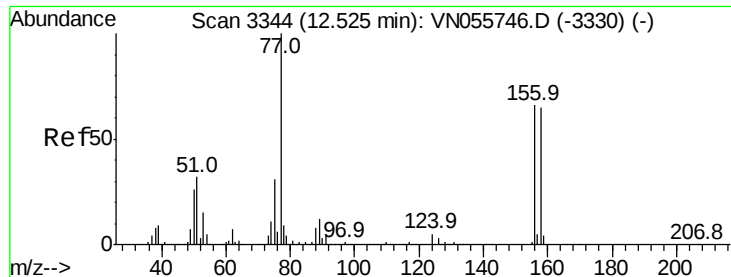
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN055821.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055821.D (-3260) (-)

Time-->



#77

Bromobenzene

Concen: 20.909 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

Tot Ion:156 Resp: 83948

Ion Ratio Lower Upper

156 100

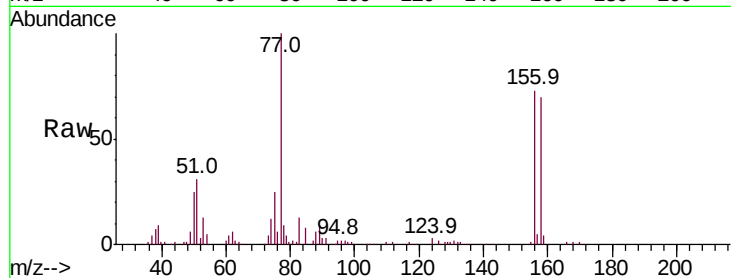
77 170.4 90.8 272.5

158 96.8 49.3 147.8

Manual Integrations
APPROVED

MMDadoda

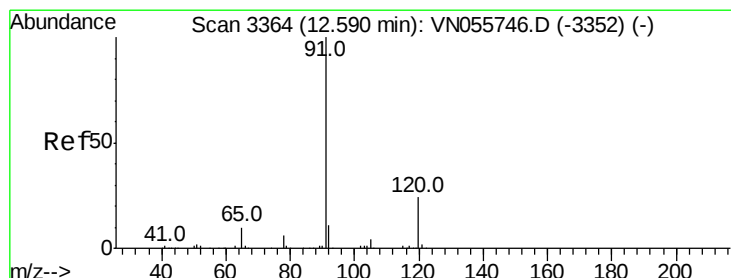
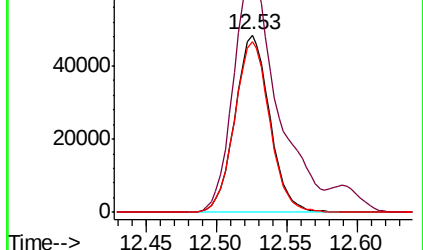
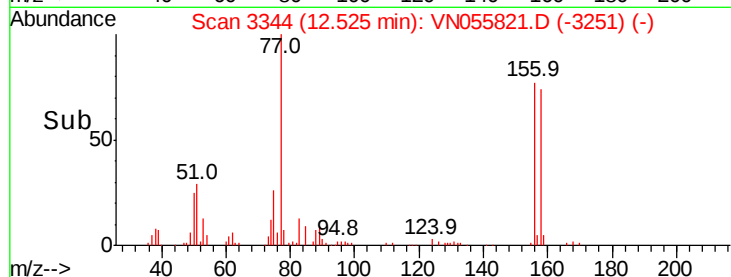
5/28/2019 10:36:28 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.541 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055821.D

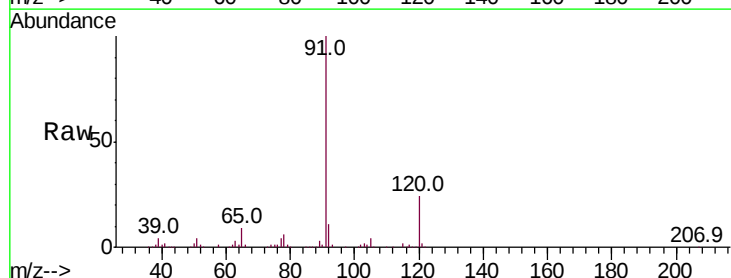
Acq: 25 May 2019 2:34

Tgt Ion: 91 Resp: 319557

Ion Ratio Lower Upper

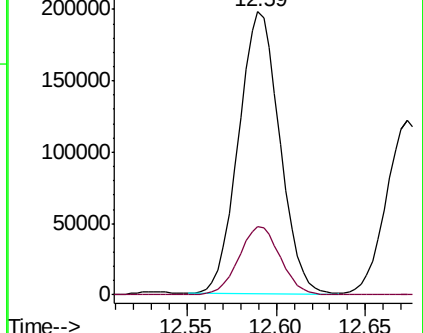
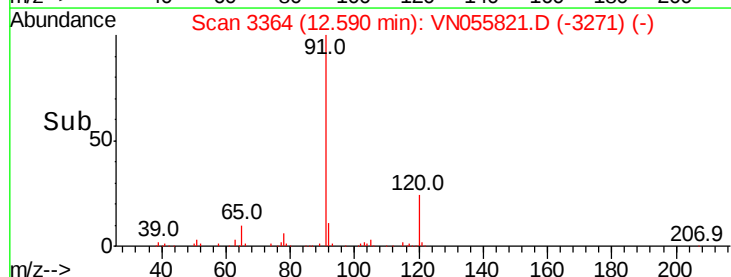
91 100

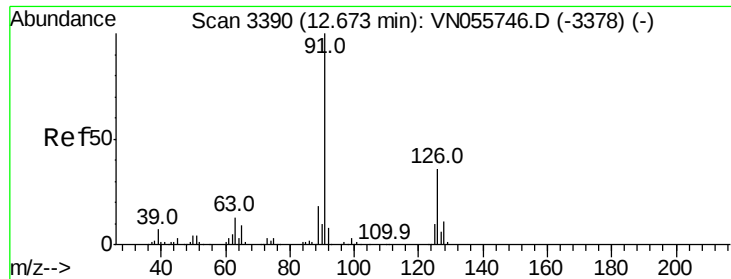
120 24.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.634 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

Tot Ion: 91 Resp: 203297

Ion Ratio Lower Upper

91 100

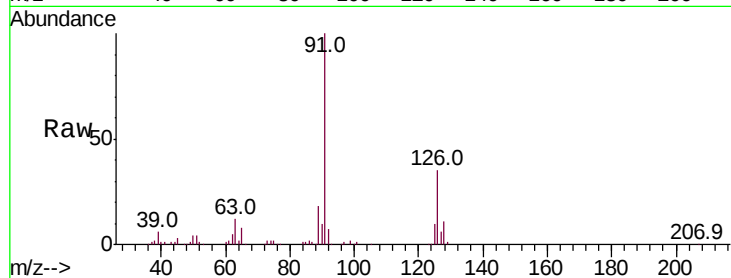
126 36.0 18.1 54.4

Manual Integrations

APPROVED

MMDadoda

5/28/2019 10:36:28 AM



Abundance Ion 91.00 (90.70 to 91.70): VN055821.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN055821.D (-3390) (-)

150000

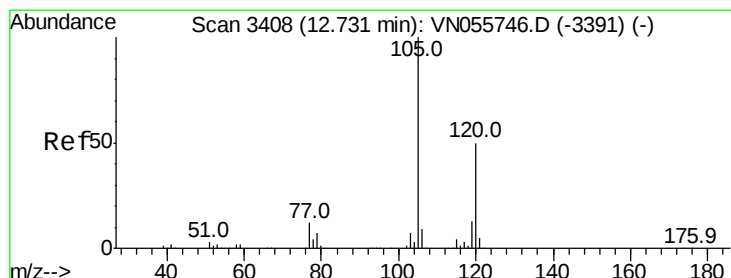
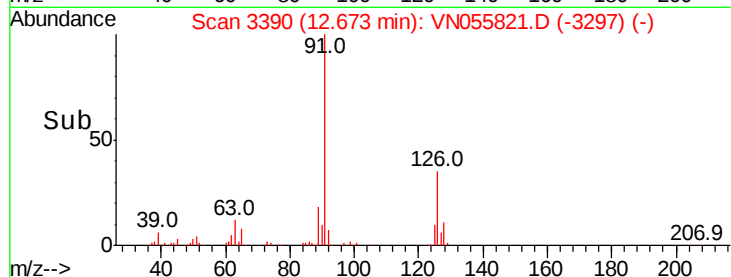
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.420 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055821.D

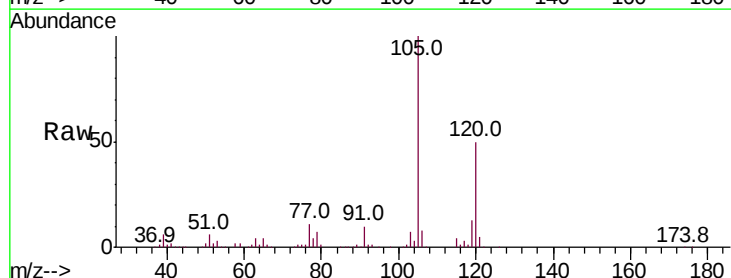
Acq: 25 May 2019 2:34

Tgt Ion:105 Resp: 257791

Ion Ratio Lower Upper

105 100

120 49.7 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055821.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN055821.D (-3408) (-)

150000

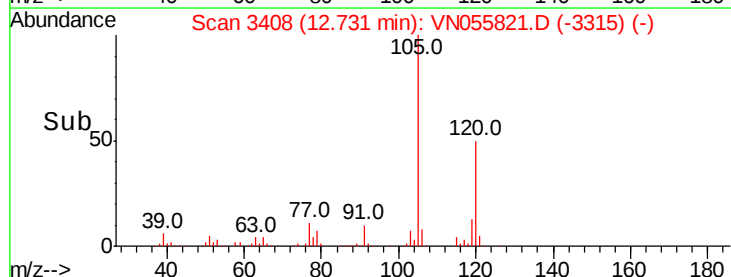
100000

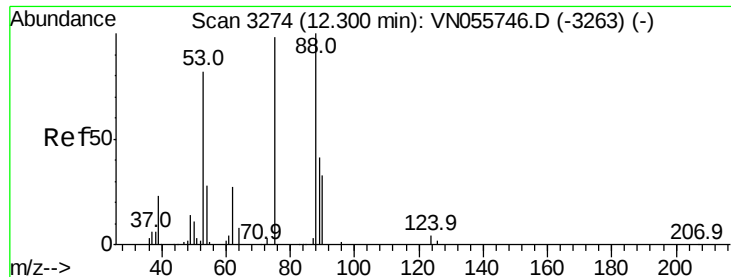
50000

0

12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.077 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

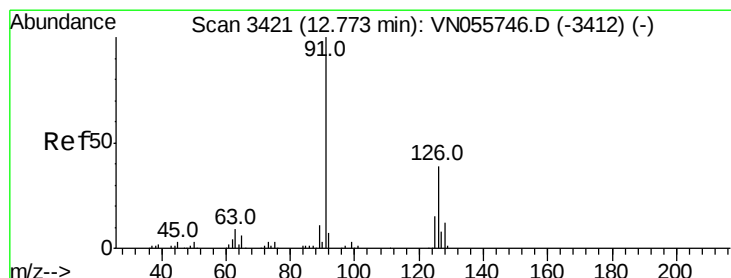
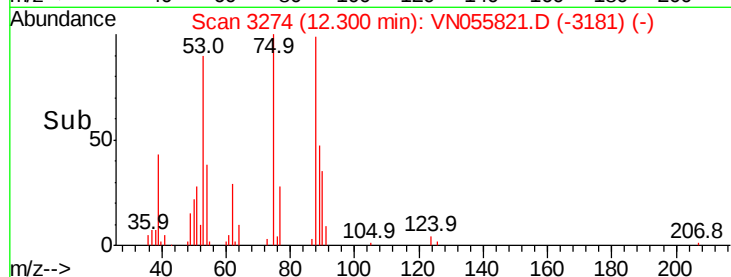
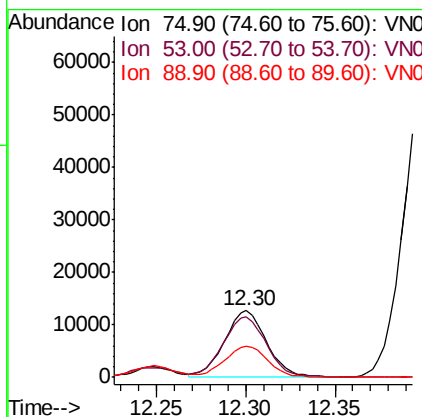
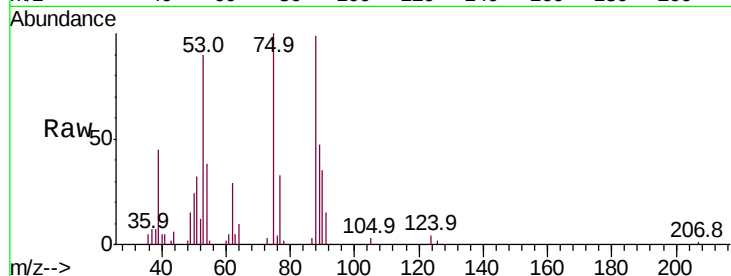
ClientSampleId :

VN0524WBS03

Tot Ion:	75	Resp:	21084
Ion	Ratio	Lower	Upper
75	100		
53	93.1	68.1	102.1
89	47.4	36.9	55.3

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:36:28 AM



#82

4-Chlorotoluene

Concen: 19.482 ug/l

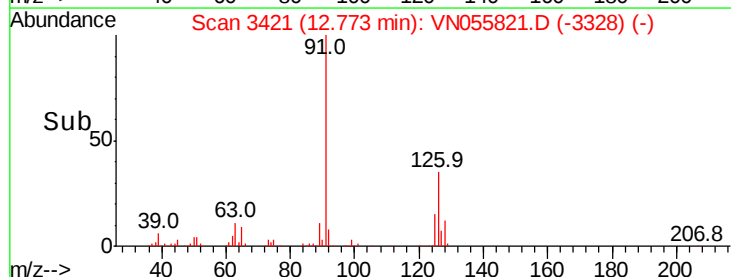
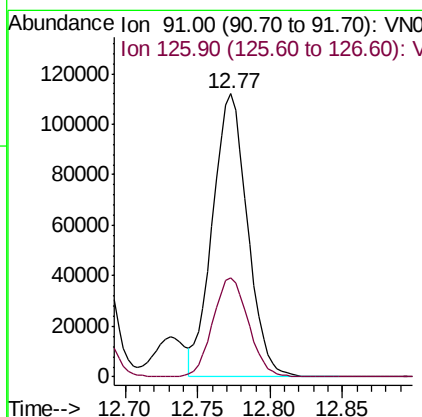
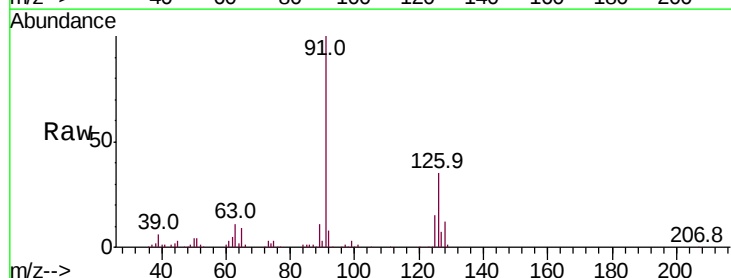
RT: 12.77 min Scan# 3421

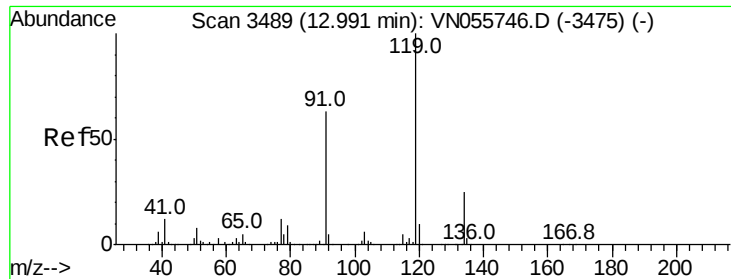
Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Tgt Ion:	91	Resp:	187272
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.3





#83

tert-Butylbenzene

Concen: 21.915 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

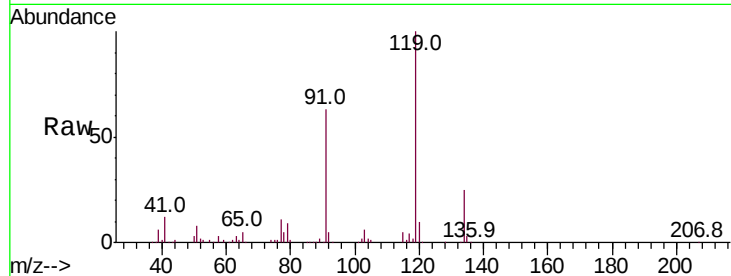
ClientSampleId :

VN0524WBS03

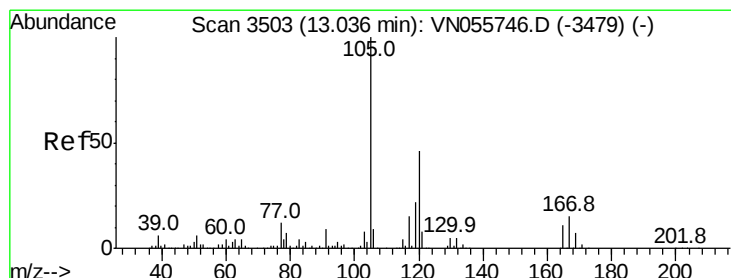
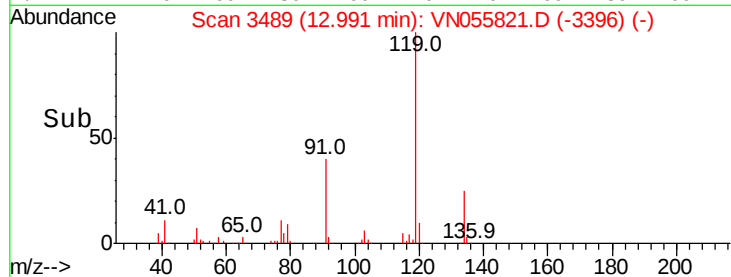
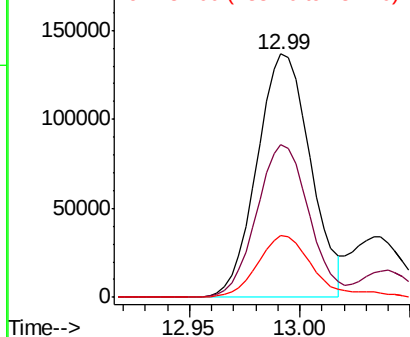
Tot Ion	Ratio	Resp	Lower	Upper
119	100	229961		
91	61.4	30.9	92.8	
134	26.7	13.3	39.8	

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:36:28 AM



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.210 ug/l

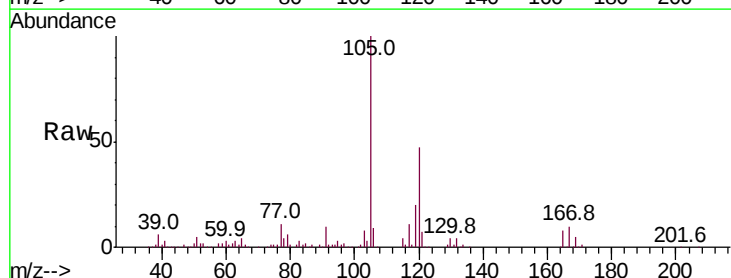
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

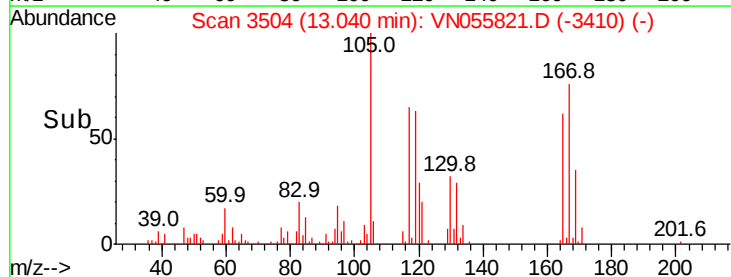
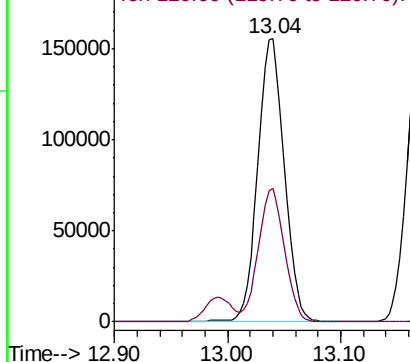
Lab File: VN055821.D

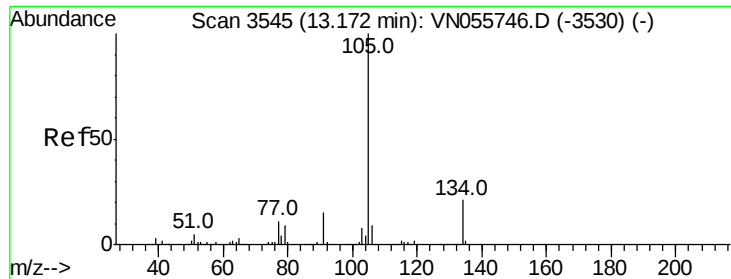
Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	253714		
120	46.4	23.0	69.0	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.835 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

Tot Ion:105 Resp: 281343

Ion Ratio Lower Upper

105 100

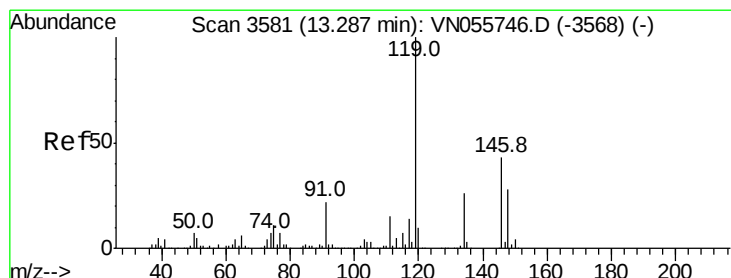
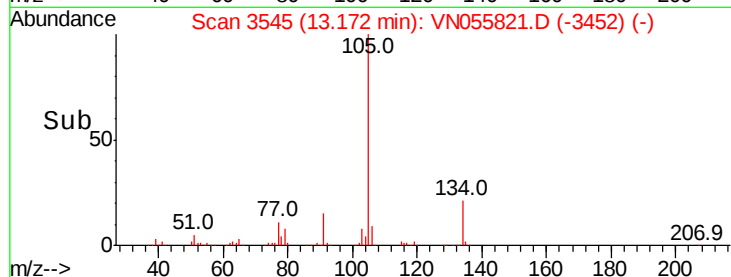
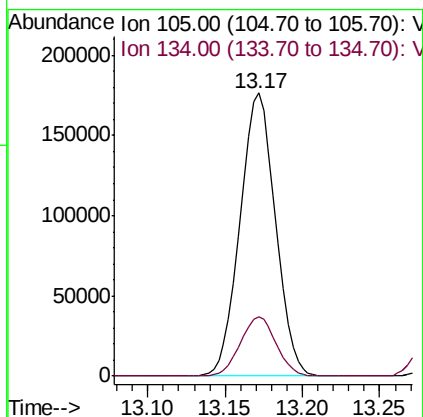
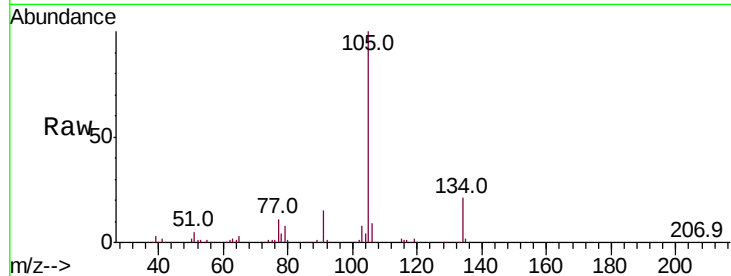
134 21.1 10.4 31.2

Manual Integrations

APPROVED

MMDadoda

5/28/2019 10:36:28 AM



#86

p-Isopropyltoluene

Concen: 19.517 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

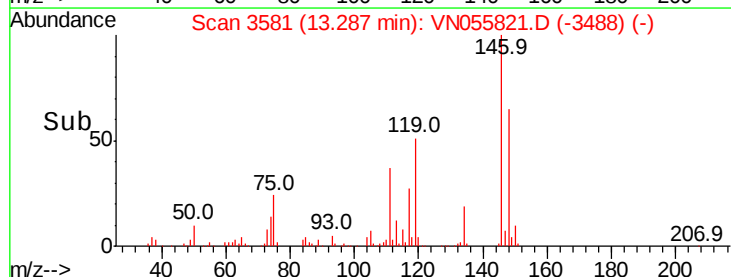
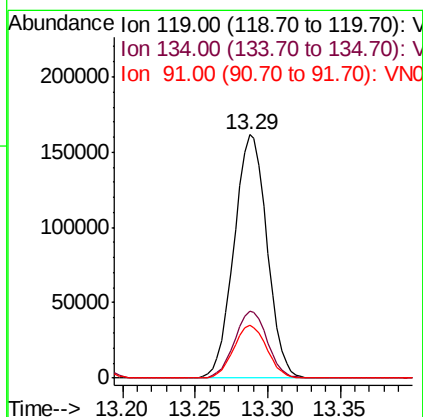
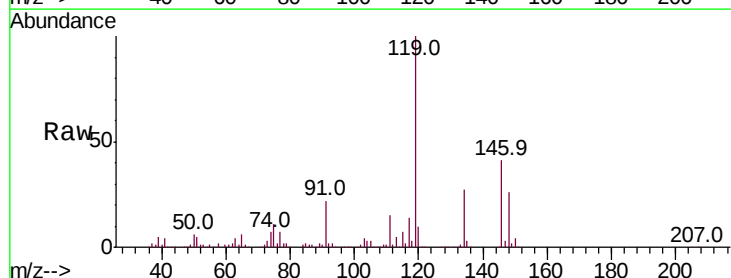
Tgt Ion:119 Resp: 255019

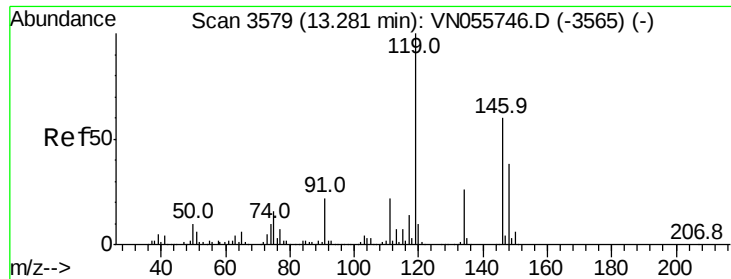
Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

91 21.8 10.9 32.9





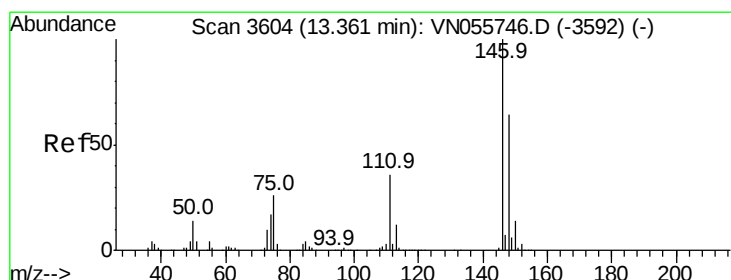
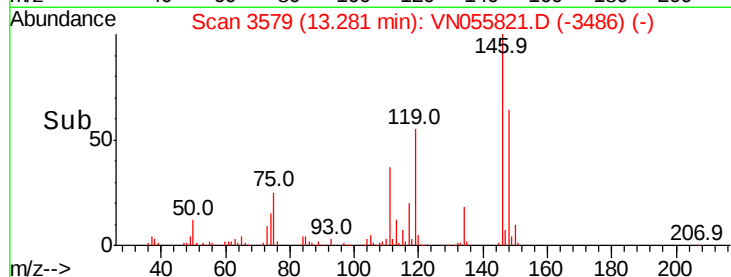
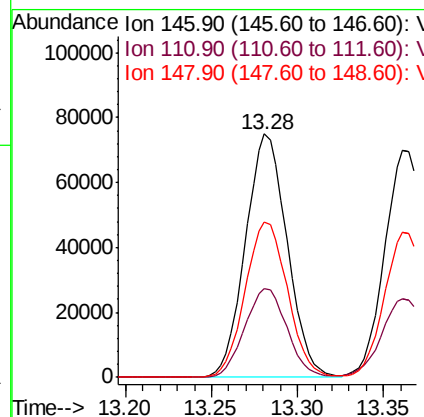
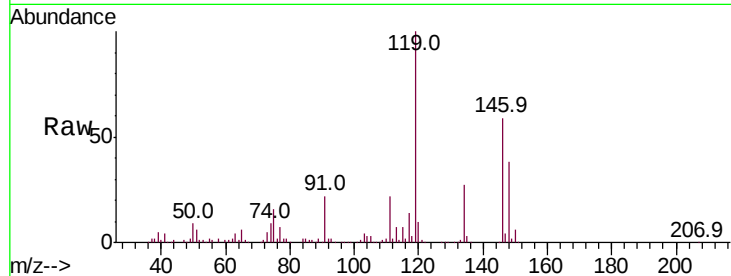
#87
 1,3-Dichlorobenzene
 Concen: 19.823 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

Tot Ion	Ratio	Resp	Lower	Upper
146	100	126026		
111	37.0	18.5	55.5	
148	64.7	32.0	96.2	

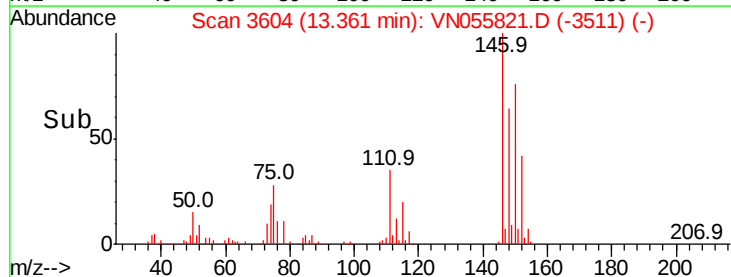
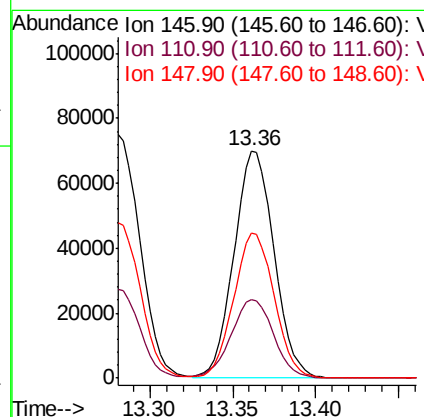
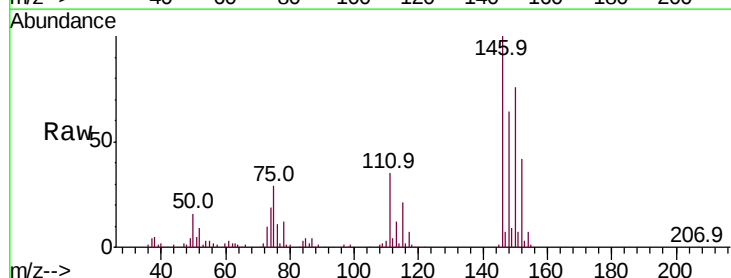
Manual Integrations
 APPROVED

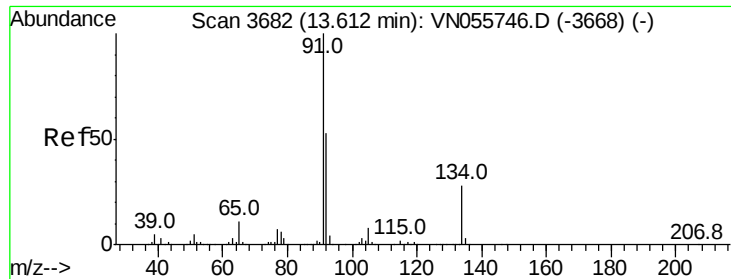
MMDadoda
 5/28/2019 10:36:28 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.458 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	117609		
111	36.6	18.1	54.4	
148	64.7	32.1	96.5	





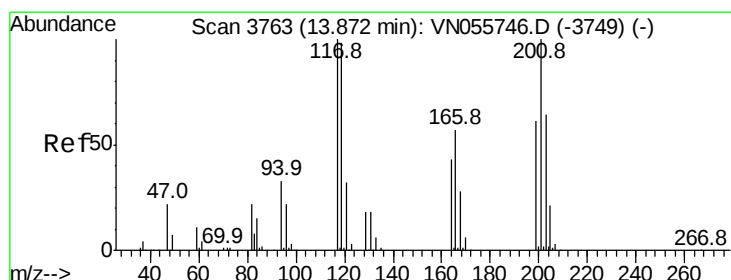
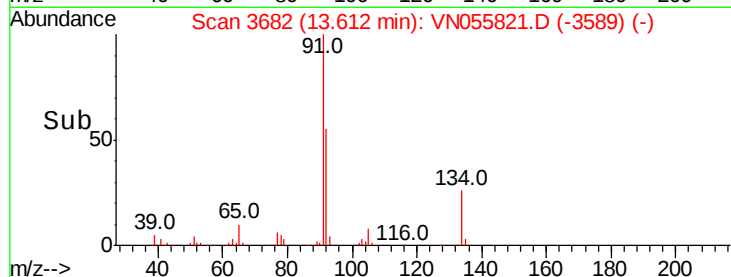
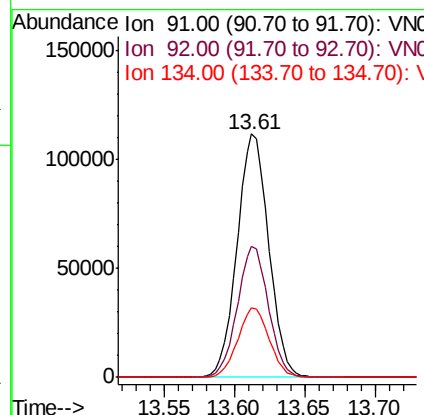
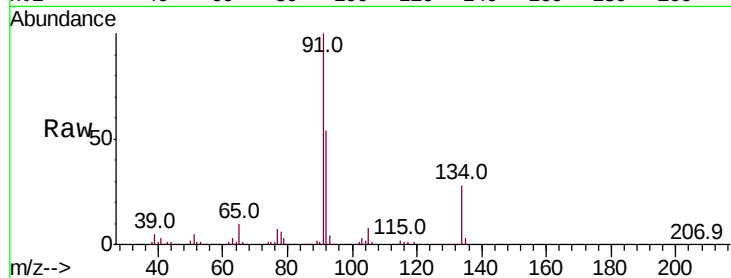
#89
n-Butylbenzene
Concen: 17.549 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.0
134	28.3	13.9	41.7

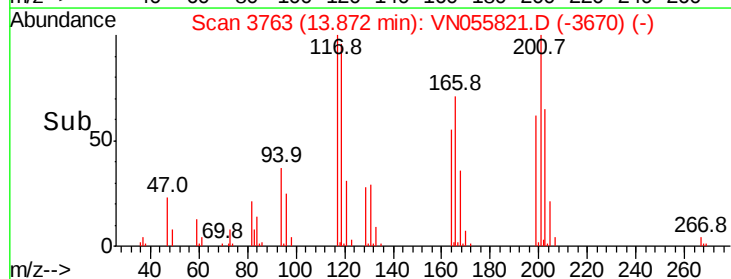
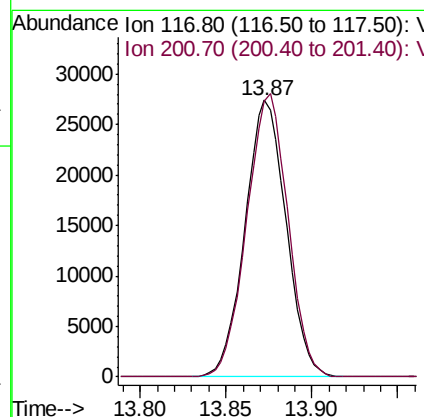
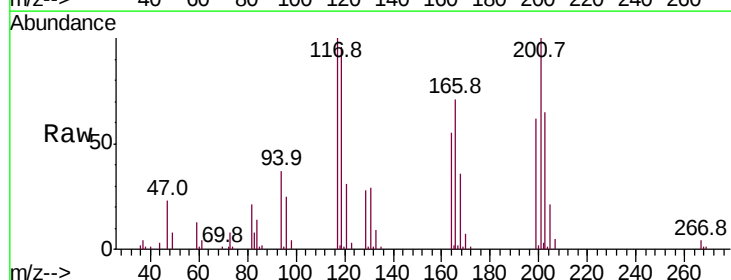
Manual Integrations
APPROVED

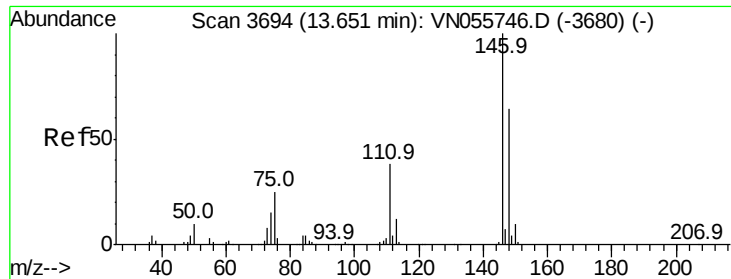
MMDadoda
5/28/2019 10:36:28 AM



#90
Hexachloroethane
Concen: 18.219 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.8	50.0	150.0





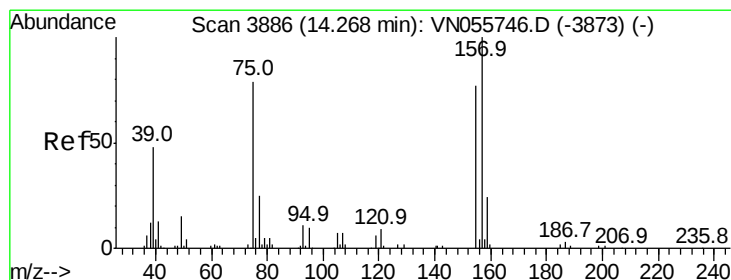
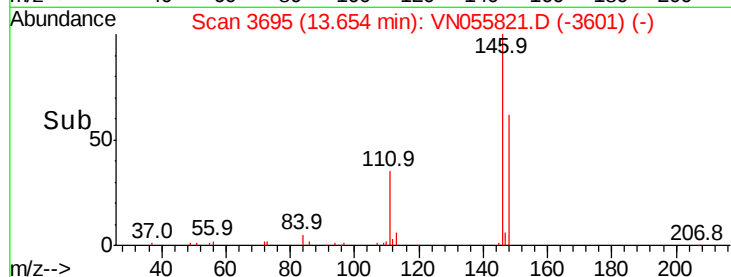
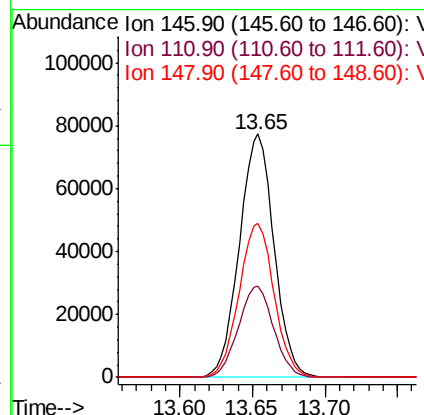
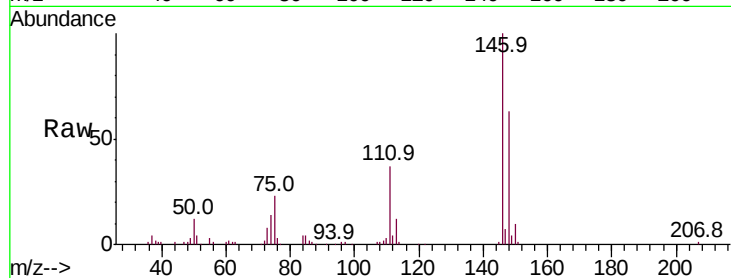
#91
 1,2-Dichlorobenzene
 Concen: 20.254 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.5
148	63.9	31.9	95.9

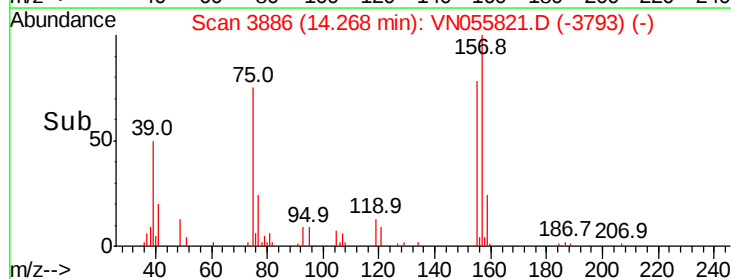
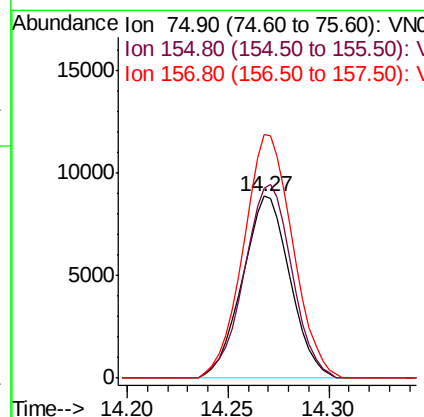
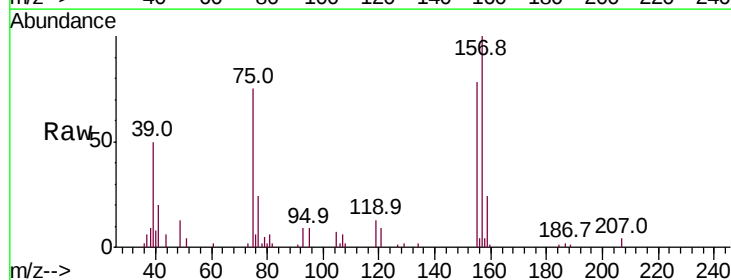
Manual Integrations
 APPROVED

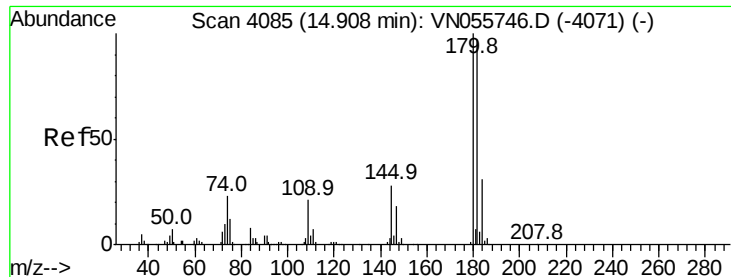
MMDadoda
 5/28/2019 10:36:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.576 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.9	50.0	150.1
157	138.6	64.8	194.3





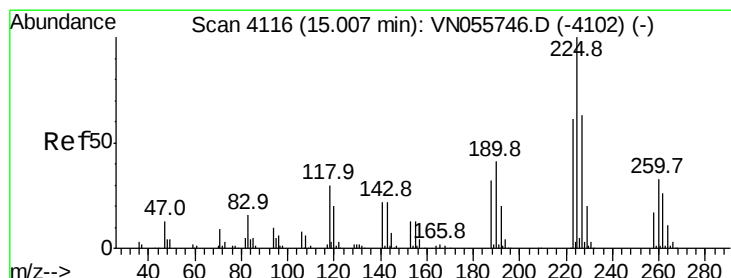
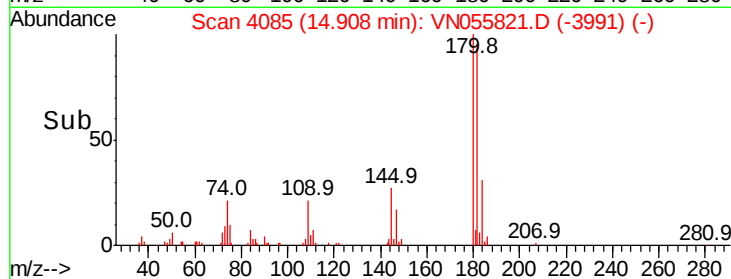
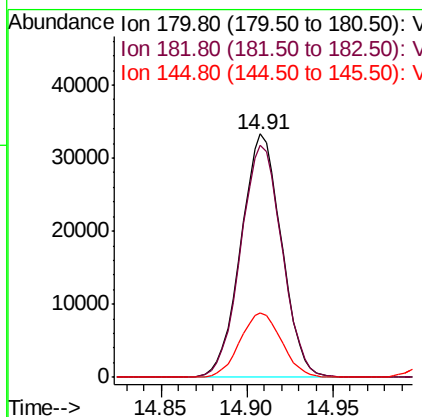
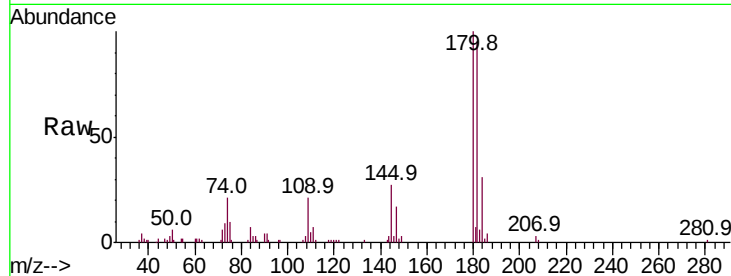
#93
 1,2,4-Trichlorobenzene
 Concen: 17.502 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.2	48.3	144.9	
145	27.1	14.0	41.9	

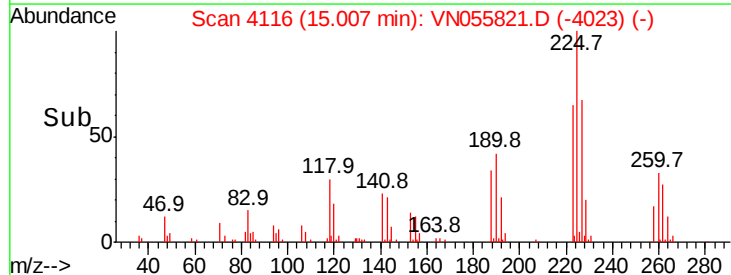
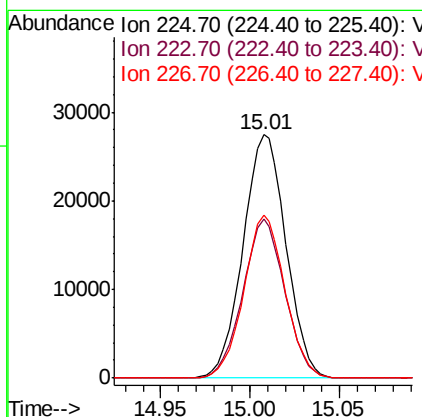
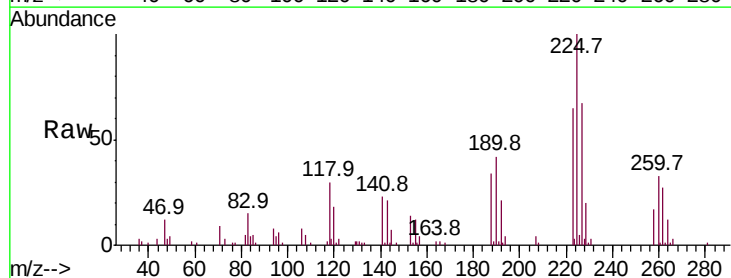
Manual Integrations
 APPROVED

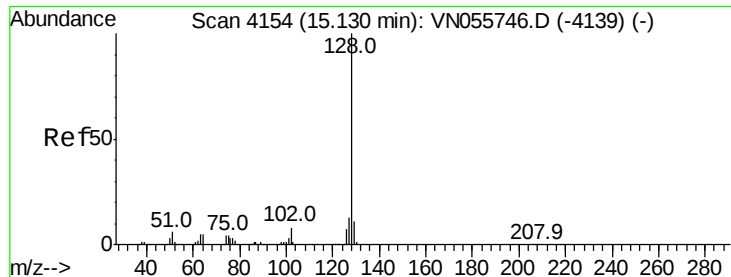
MMDadoda
 5/28/2019 10:36:28 AM



#94
 Hexachlorobutadiene
 Concen: 19.593 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	30.9	92.7	
227	64.0	31.6	94.7	





#95

Naphthalene

Concen: 17.472 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

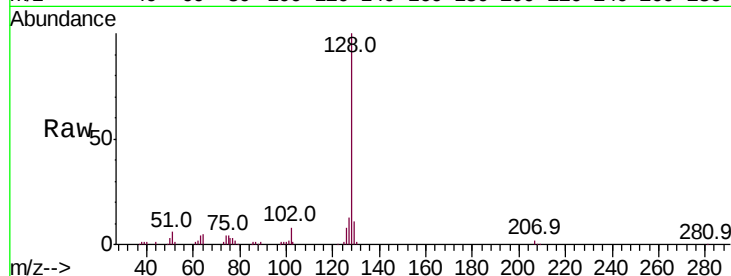
ClientSampleId :

VN0524WBS03

Tot Ion:	128	Resp:	152075
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:36:28 AM

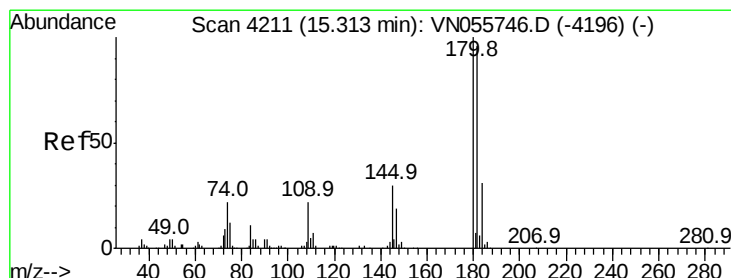
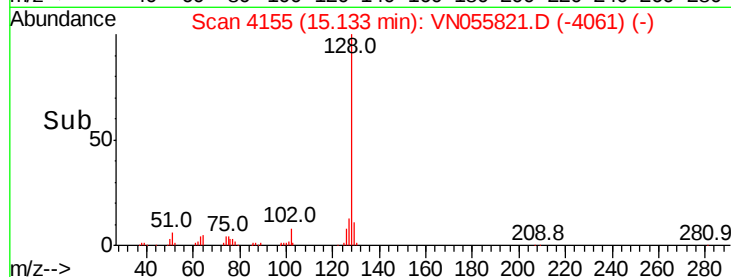
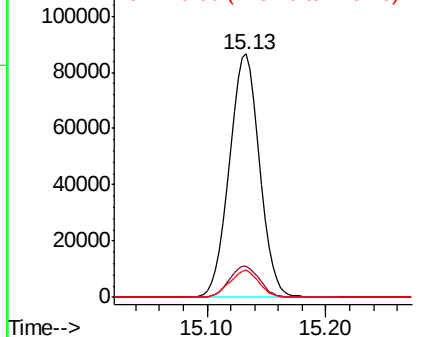


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.538 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Tgt Ion:	180	Resp:	62154
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.9	143.7
145	28.6	14.9	44.7

Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

