

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056921.D
 Acq On : 25 Jul 2019 14:28
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:36:45 PM

Quant Time: Jul 26 04:09:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 03:12:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	421093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	636775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	539158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	163582	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	22357	4.93	ug/l	0.00
Spiked Amount			Recovery	=	9.86%	
35) Dibromofluoromethane	7.57	113	19994	4.86	ug/l	0.00
Spiked Amount			Recovery	=	9.72%	
50) Toluene-d8	10.08	98	75349	4.80	ug/l	0.00
Spiked Amount			Recovery	=	9.60%	
62) 4-Bromofluorobenzene	12.40	95	21826	4.27	ug/l	0.00
Spiked Amount			Recovery	=	8.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	19235	4.139	ug/l	95
3) Chloromethane	2.05	50	27536	4.745	ug/l	95
4) Vinyl Chloride	2.17	62	25502	4.786	ug/l	99
5) Bromomethane	2.54	94	15885	4.876	ug/l	98
6) Chloroethane	2.68	64	13702	4.653	ug/l	97
7) Trichlorofluoromethane	3.00	101	34322	5.164	ug/l	94
8) Diethyl Ether	3.39	74	13007	5.230	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	20828	5.093	ug/l	98
10) Methyl Iodide	3.93	142	27893	5.092	ug/l	98
11) Tert butyl alcohol	4.76	59	18736	29.808	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	20285	4.967	ug/l	96
13) Acrolein	3.59	56	11091	22.923	ug/l	100
14) Allyl chloride	4.30	41	31184	4.653	ug/l	98
15) Acrylonitrile	4.96	53	45499	23.891	ug/l	99
16) Acetone	3.80	43	37564	23.005	ug/l	97
17) Carbon Disulfide	4.03	76	51270	4.623	ug/l	99
18) Methyl Acetate	4.31	43	26229	4.163	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	57527	4.777	ug/l	99
20) Methylene Chloride	4.53	84	24552	5.100	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	22114	5.182	ug/l	91
22) Diisopropyl ether	5.93	45	66979	4.946	ug/l	90
23) Vinyl Acetate	5.88	43	219643	22.589	ug/l	98
24) 1,1-Dichloroethane	5.82	63	40427	5.144	ug/l	98
25) 2-Butanone	6.82	43	58347	24.575	ug/l	94
26) 2,2-Dichloropropane	6.80	77	28247	5.061	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	25866	5.272	ug/l	94
28) Bromochloromethane	7.18	49	18311	5.121	ug/l	99
29) Tetrahydrofuran	7.19	42	38377	23.755	ug/l	98
30) Chloroform	7.36	83	42072	5.328	ug/l	99
31) Cyclohexane	7.63	56	41970	5.522	ug/l #	85
32) 1,1,1-Trichloroethane	7.55	97	31125	4.873	ug/l	98
36) 1,1-Dichloropropene	7.78	75	28789	4.901	ug/l	99
37) Ethyl Acetate	6.91	43	22253	4.732	ug/l	97
38) Carbon Tetrachloride	7.76	117	26525	4.728	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056921.D
 Acq On : 25 Jul 2019 14:28
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:36:45 PM

Quant Time: Jul 26 04:09:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 03:12:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	33106	4.485	ug/l	95
40) Benzene	8.03	78	92558	5.060	ug/l	97
41) Methacrylonitrile	7.16	41	10652	4.691	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	29940	5.239	ug/l	98
43) Isopropyl Acetate	8.15	43	37524	4.625	ug/l	98
44) Trichloroethene	8.82	130	25048	5.084	ug/l	89
45) 1,2-Dichloropropane	9.10	63	24883	5.037	ug/l	97
46) Dibromomethane	9.20	93	15051	4.937	ug/l	98
47) Bromodichloromethane	9.39	83	28581	4.973	ug/l	98
48) Methyl methacrylate	9.19	41	16613	4.104	ug/l	91
49) 1,4-Dioxane	9.19	88	7550	94.395	ug/l #	91
51) 4-Methyl-2-Pentanone	9.98	43	114979	23.812	ug/l	97
52) Toluene	10.15	92	54015	4.900	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	26952	4.590	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	31816	4.583	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	22453	5.130	ug/l	95
56) Ethyl methacrylate	10.42	69	27563	4.562	ug/l	98
57) 1,3-Dichloropropane	10.70	76	36859	5.092	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	50731	20.154	ug/l	100
59) 2-Hexanone	10.74	43	73930	22.052	ug/l	99
60) Dibromochloromethane	10.89	129	20569	4.681	ug/l	96
61) 1,2-Dibromoethane	11.00	107	21026	4.847	ug/l	98
64) Tetrachloroethene	10.62	164	26860	5.719	ug/l	99
65) Chlorobenzene	11.43	112	57763	5.130	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	20325	4.784	ug/l	93
67) Ethyl Benzene	11.50	91	97154	4.993	ug/l	100
68) m/p-Xylenes	11.62	106	70598	9.689	ug/l	100
69) o-Xylene	11.94	106	35470	4.998	ug/l	100
70) Styrene	11.96	104	49603	4.383	ug/l	98
71) Bromoform	12.12	173	13566	4.639	ug/l #	98
73) Isopropylbenzene	12.24	105	91685	6.359	ug/l	100
74) N-amyl acetate	12.06	43	24450	5.123	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	27571	6.507	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	19685m	5.710	ug/l	
77) Bromobenzene	12.52	156	22914	6.370	ug/l	98
78) n-propylbenzene	12.59	91	89171	5.862	ug/l	99
79) 2-Chlorotoluene	12.67	91	59418	6.251	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	74746	6.220	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	5143	4.854	ug/l #	81
82) 4-Chlorotoluene	12.77	91	49410	5.473	ug/l	99
83) tert-Butylbenzene	12.99	119	65311	6.208	ug/l	96
84) 1,2,4-Trimethylbenzene	13.03	105	68478	5.981	ug/l	99
85) sec-Butylbenzene	13.17	105	81823	6.078	ug/l	100
86) p-Isopropyltoluene	13.28	119	68572	5.709	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	29550	5.115	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	27966	5.004	ug/l	96
89) n-Butylbenzene	13.61	91	49945	5.425	ug/l	98
90) Hexachloroethane	13.87	117	12688	6.108	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	30967	5.347	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	3358	5.355	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
Data File : VN056921.D
Acq On : 25 Jul 2019 14:28
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

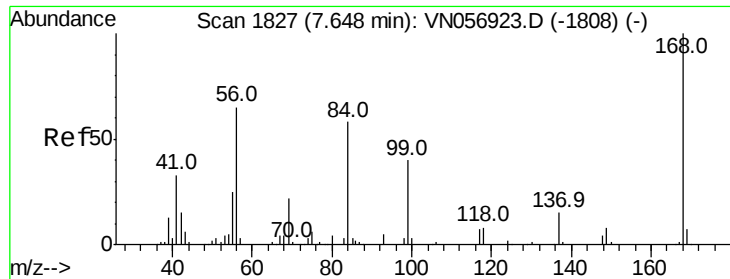
Manual Integrations
APPROVED

MMDadoda
7/26/2019 3:36:45 PM

Quant Time: Jul 26 04:09:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 26 03:12:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	7976	3.202	ug/l	98
94) Hexachlorobutadiene	15.00	225	13471	5.916	ug/l	100
95) Naphthalene	15.12	128	19946	3.054	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	10199	3.705	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 421093

Ion Ratio Lower Upper

168 100

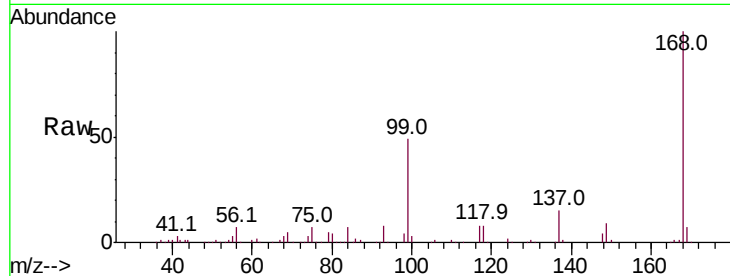
99 48.6 38.6 58.0

Manual Integrations

APPROVED

MMDadoda

7/26/2019 3:36:45 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

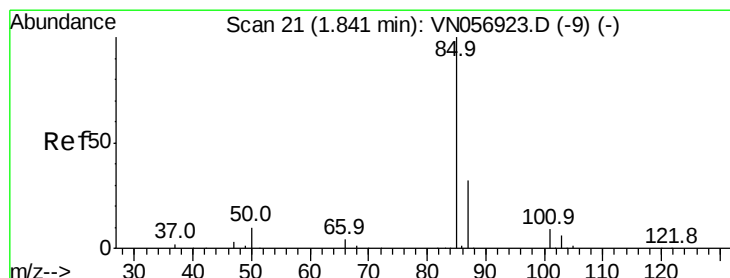
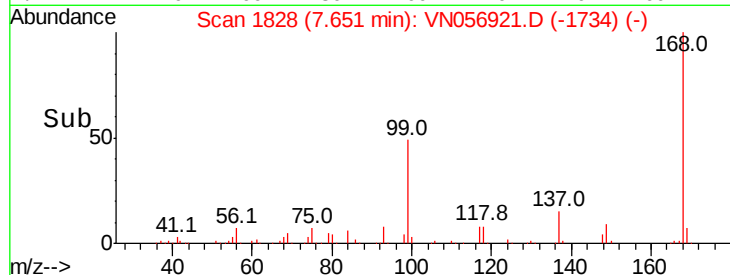
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 4.139 ug/l

RT: 1.84 min Scan# 21

Delta R.T. -0.00 min

Lab File: VN056921.D

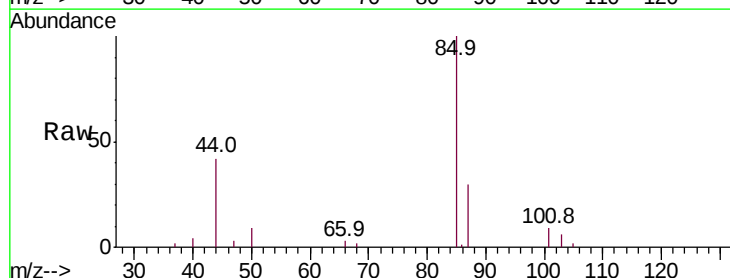
Acq: 25 Jul 2019 14:28

Tgt Ion: 85 Resp: 19235

Ion Ratio Lower Upper

85 100

87 29.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

15000

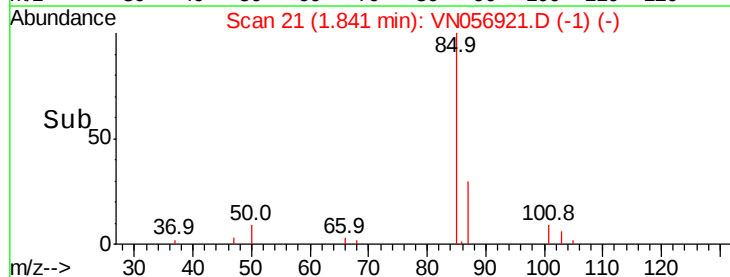
10000

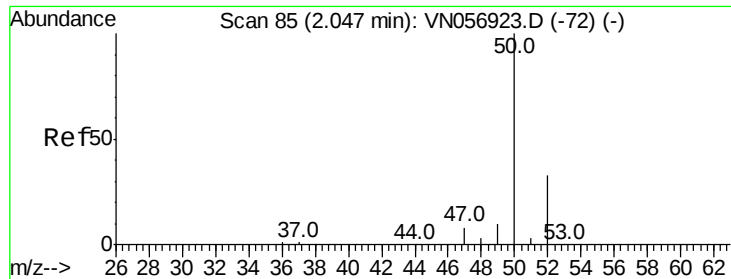
5000

0

1.80 1.85 1.90

Time-->





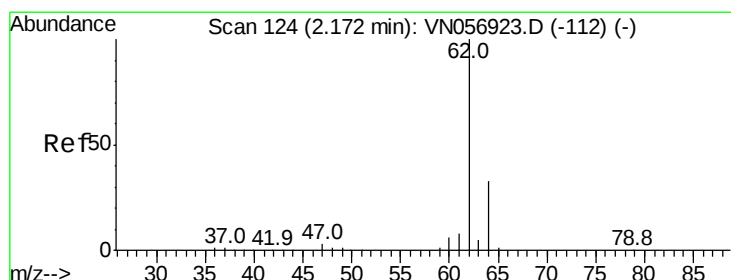
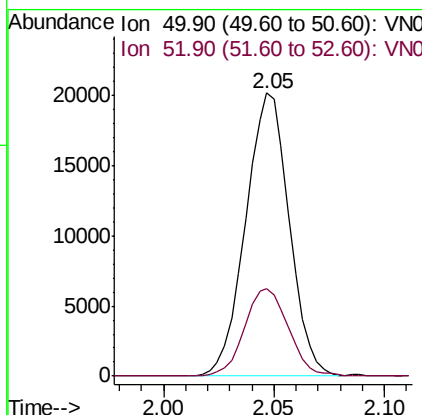
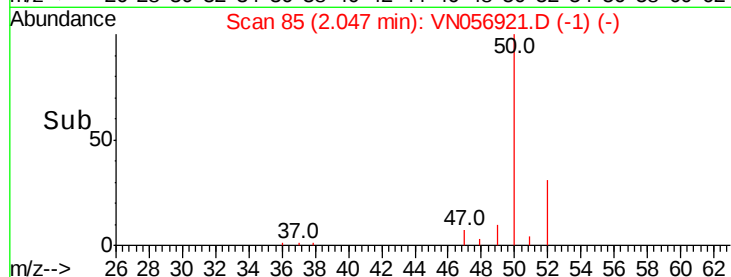
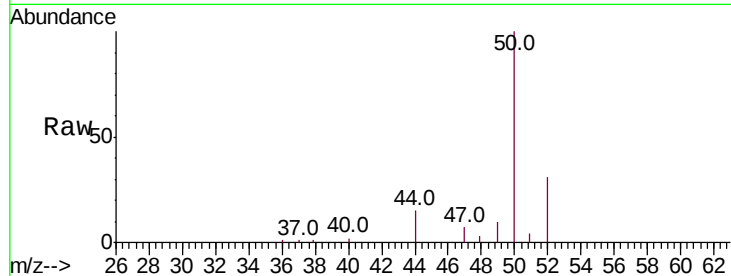
#3
Chloromethane
Concen: 4.745 ug/l
RT: 2.05 min Scan# 85
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 50 Resp: 27536
Ion Ratio Lower Upper
50 100
52 30.9 26.8 40.2

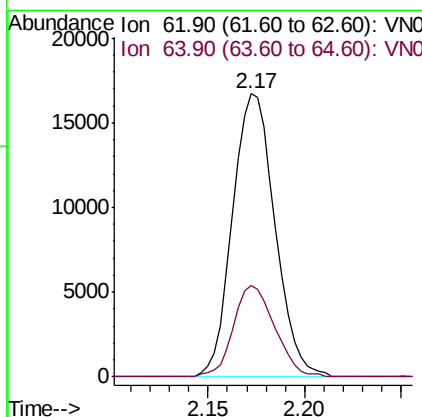
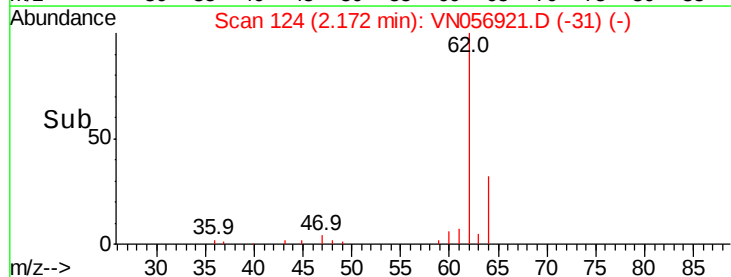
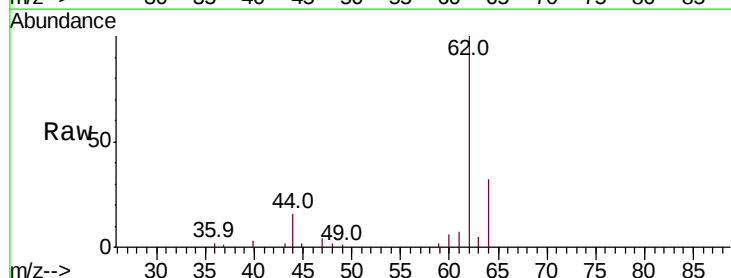
Manual Integrations
APPROVED

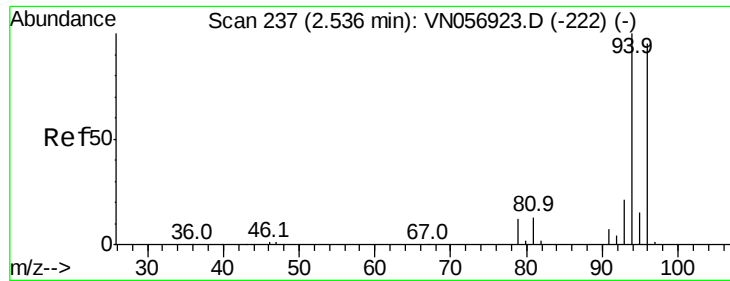
MMDadoda
7/26/2019 3:36:45 PM



#4
Vinyl Chloride
Concen: 4.786 ug/l
RT: 2.17 min Scan# 124
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 62 Resp: 25502
Ion Ratio Lower Upper
62 100
64 32.4 26.4 39.6





#5

Bromomethane

Concen: 4.876 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 15885

Ion Ratio Lower Upper

94 100

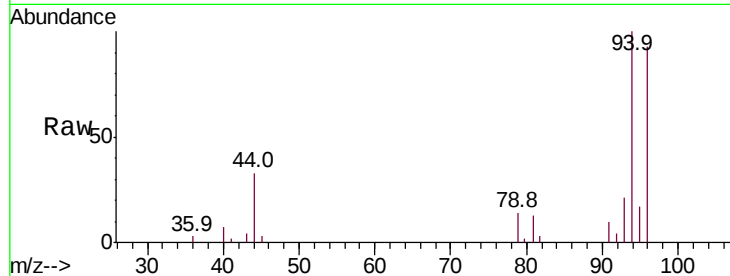
96 93.1 75.7 113.5

Manual Integrations

APPROVED

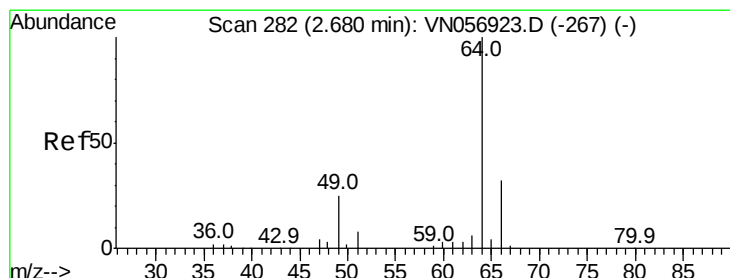
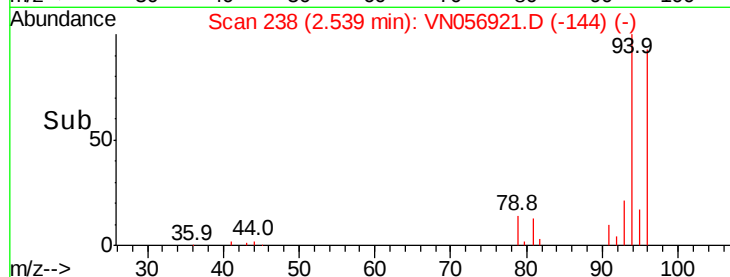
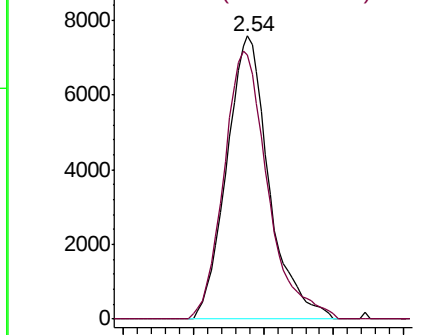
MMDadoda

7/26/2019 3:36:45 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 4.653 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN056921.D

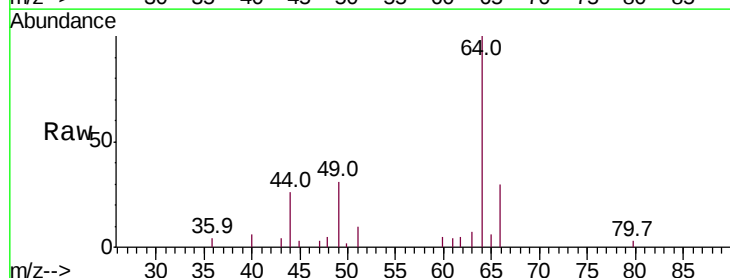
Acq: 25 Jul 2019 14:28

Tgt Ion: 64 Resp: 13702

Ion Ratio Lower Upper

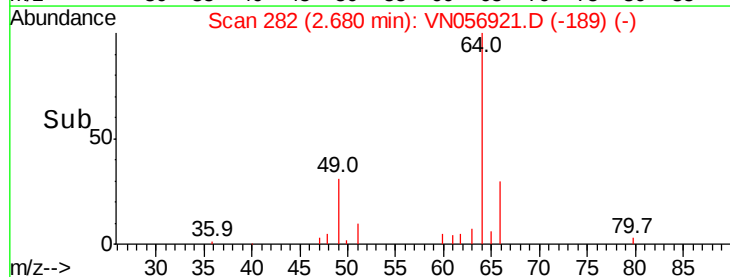
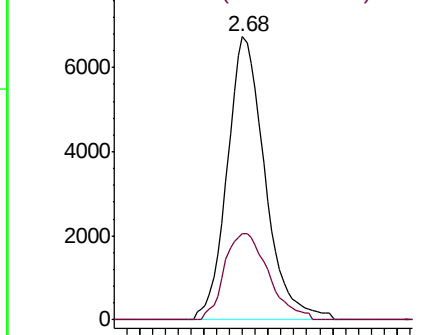
64 100

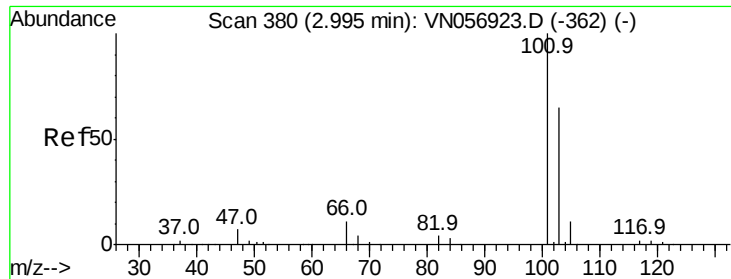
66 30.4 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

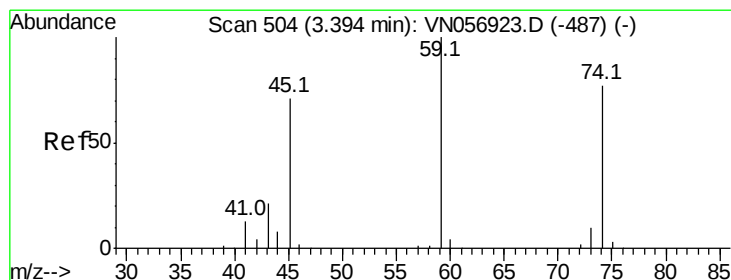
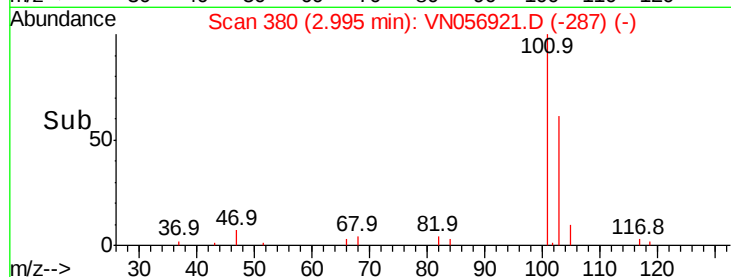
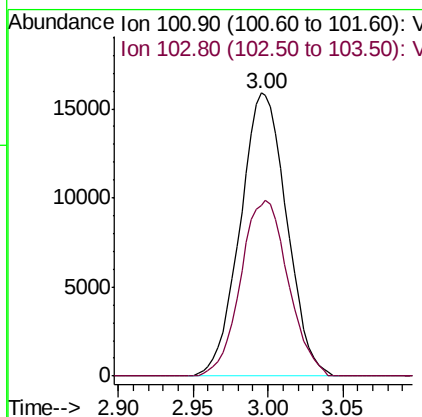
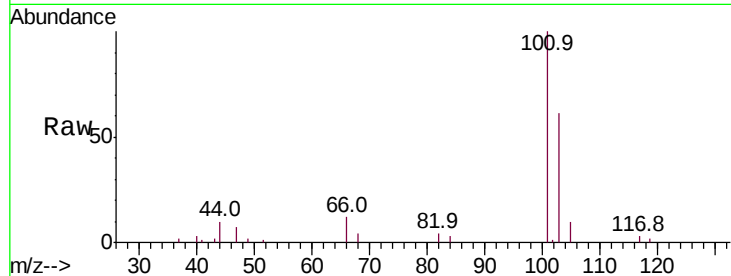
Trichlorofluoromethane
 Concen: 5.164 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.5	52.0	78.0

Manual Integrations
 APPROVED

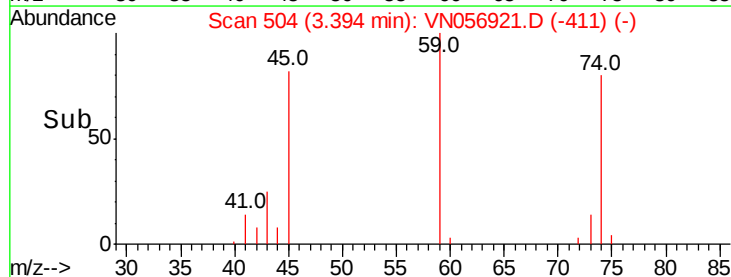
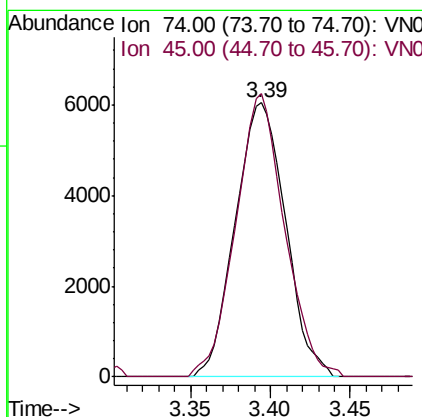
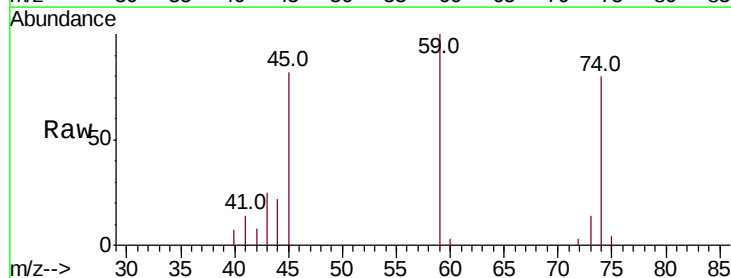
MMDadoda
 7/26/2019 3:36:45 PM

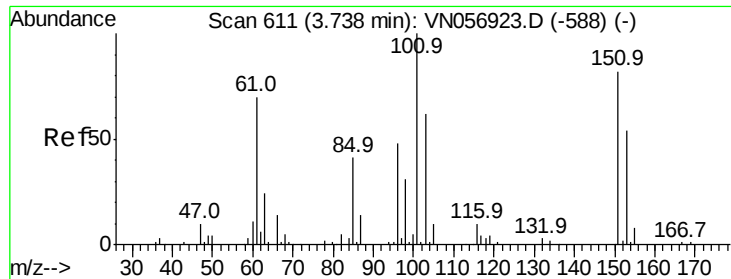


#8

Diethyl Ether
 Concen: 5.230 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.093 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 20828

Ion Ratio Lower Upper

101 100

85 38.5 32.7 49.1

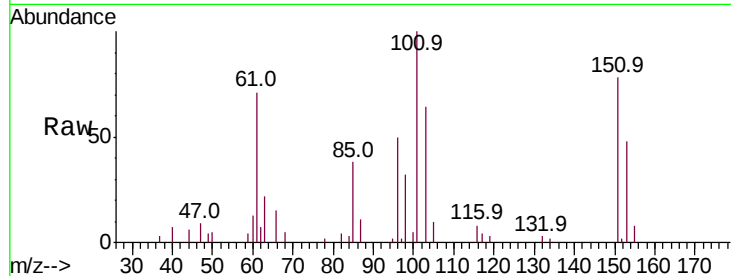
151 84.8 67.4 101.0

Manual Integrations

APPROVED

MMDadoda

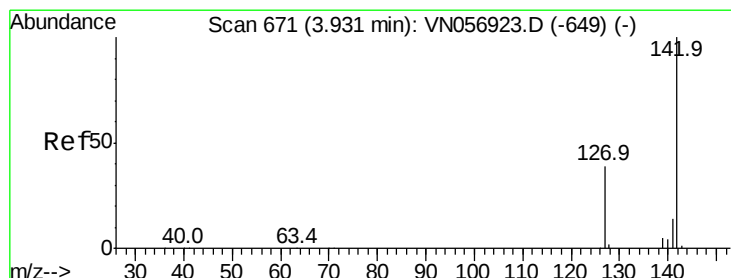
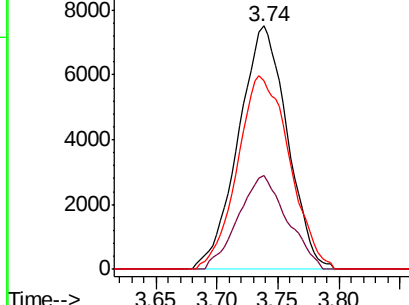
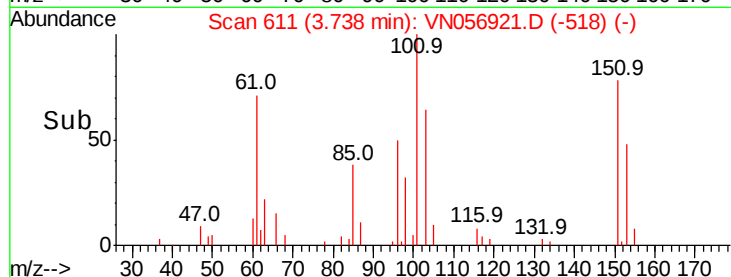
7/26/2019 3:36:45 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.092 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

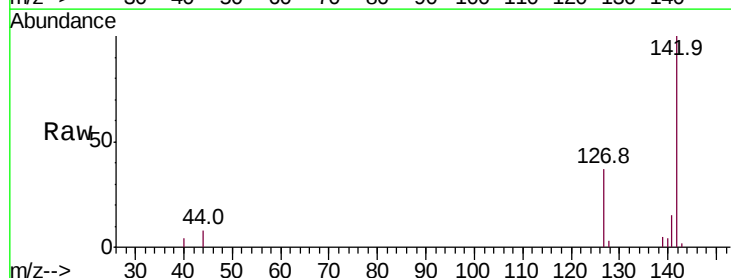
Tgt Ion:142 Resp: 27893

Ion Ratio Lower Upper

142 100

127 39.6 30.5 45.7

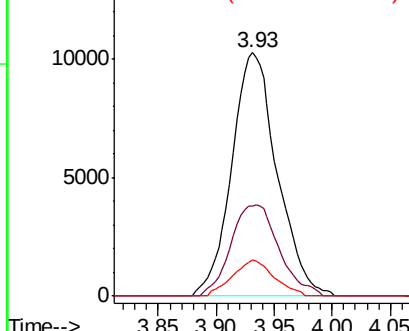
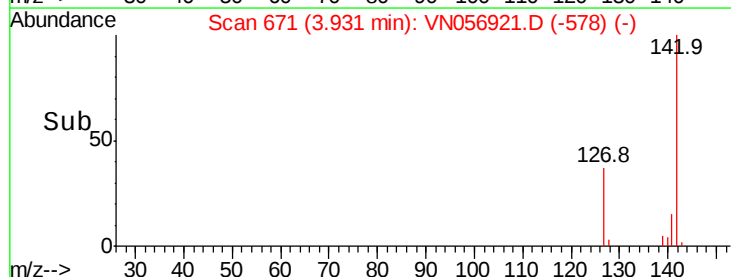
141 13.6 11.1 16.7

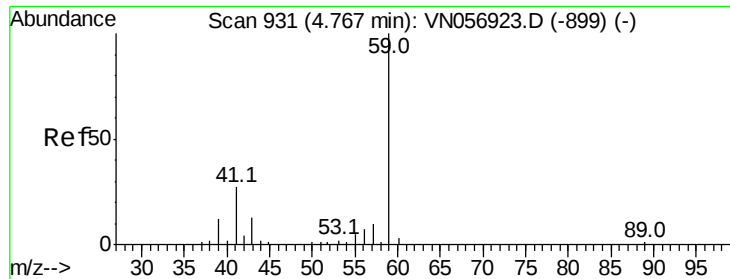


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





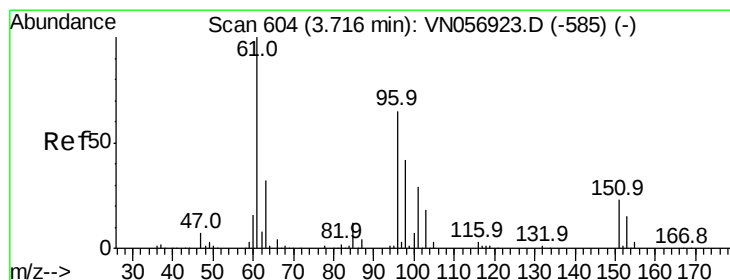
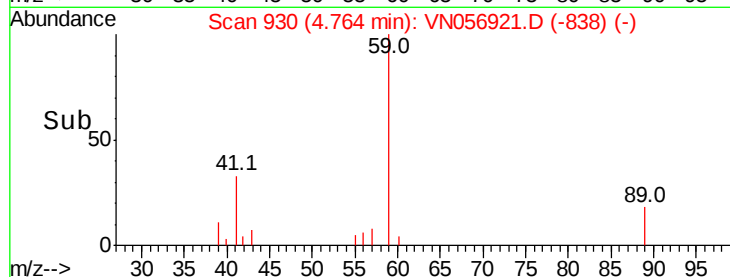
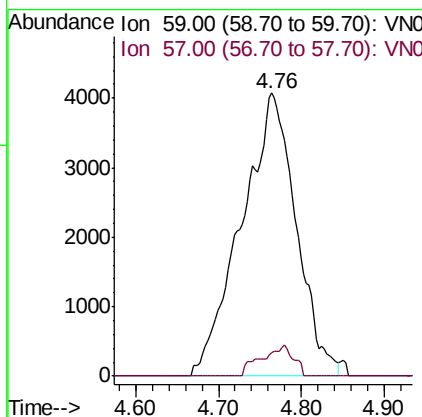
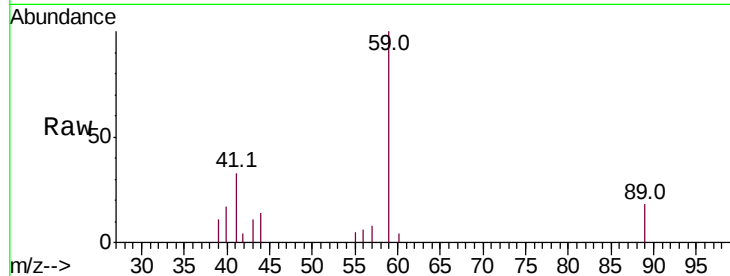
#11
Tert butyl alcohol
Concen: 29.808 ug/l
RT: 4.76 min Scan# 930
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 18736
Ion Ratio Lower Upper
59 100
57 4.6 7.6 11.4#

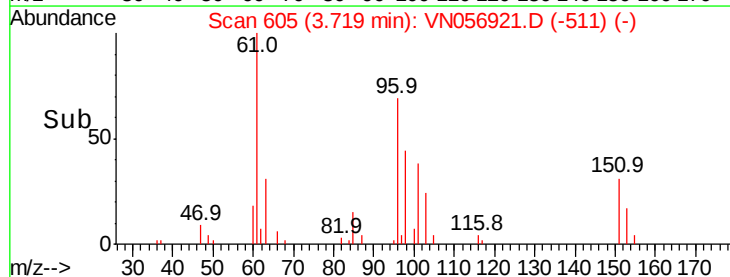
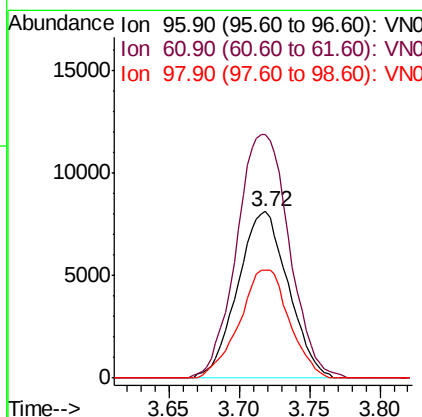
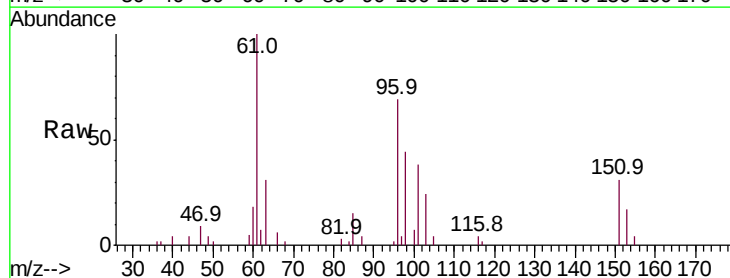
Manual Integrations
APPROVED

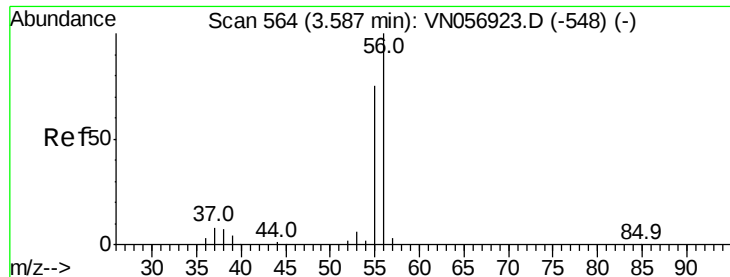
MMDadoda
7/26/2019 3:36:45 PM



#12
1,1-Dichloroethene
Concen: 4.967 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 96 Resp: 20285
Ion Ratio Lower Upper
96 100
61 145.8 122.4 183.6
98 64.6 51.3 76.9





#13

Acrolein

Concen: 22.923 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 11091

Ion Ratio Lower Upper

56 100

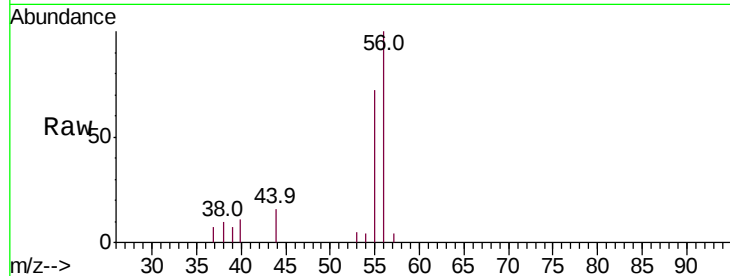
55 72.1 57.5 86.3

Manual Integrations

APPROVED

MMDadoda

7/26/2019 3:36:45 PM



Abundance Ion 56.00 (55.70 to 56.70): VN056921.D (-548) (-)

Ion 55.00 (54.70 to 55.70): VN056921.D (-548) (-)

3.59

4000

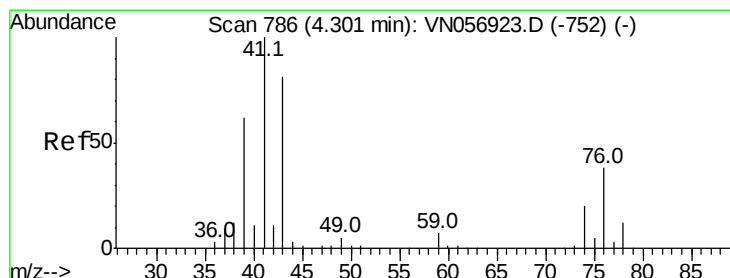
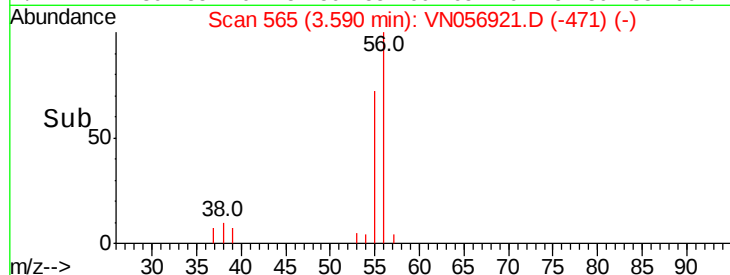
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 4.653 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

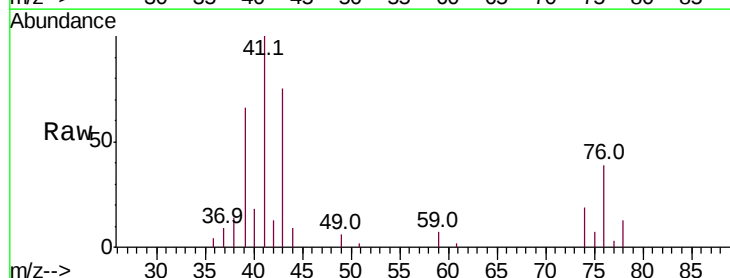
Tgt Ion: 41 Resp: 31184

Ion Ratio Lower Upper

41 100

39 61.7 47.5 71.3

76 35.6 28.0 42.0



Abundance Ion 41.00 (40.70 to 41.70): VN056921.D (-693) (-)

Ion 39.00 (38.70 to 39.70): VN056921.D (-693) (-)

Ion 75.90 (75.60 to 76.60): VN056921.D (-693) (-)

4.30

12000

10000

8000

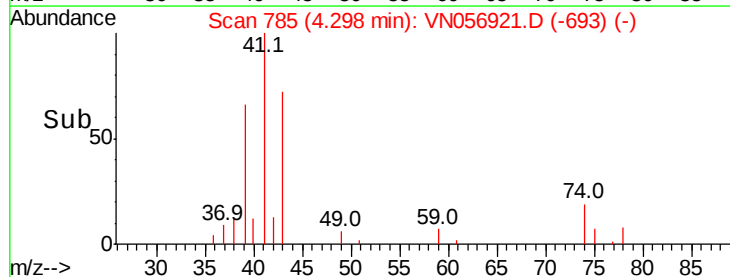
6000

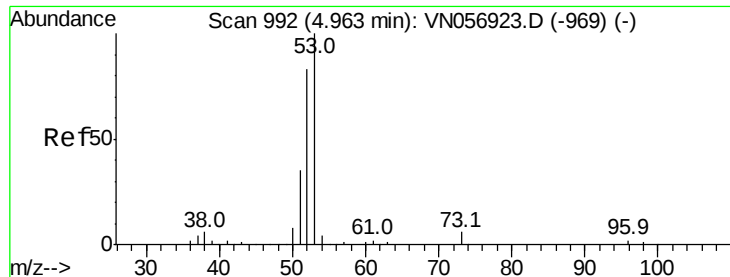
4000

2000

0

Time-->





#15

Acrylonitrile

Concen: 23.891 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

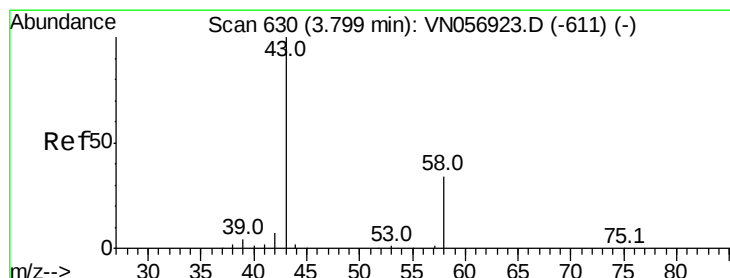
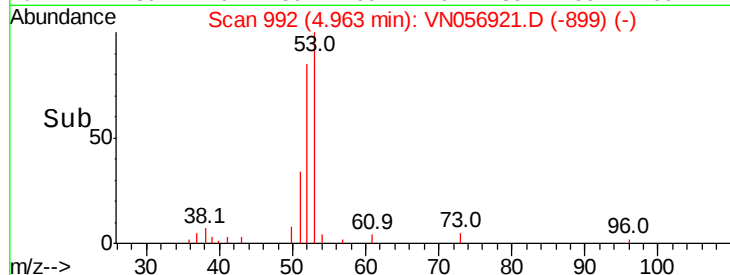
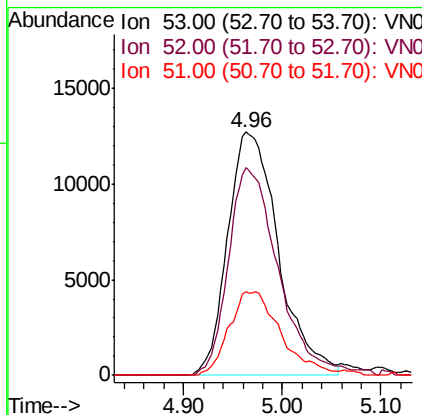
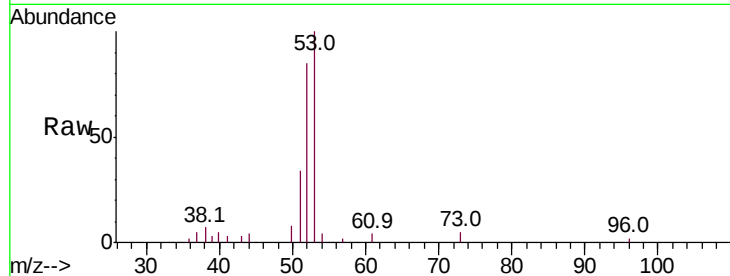
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	45499
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.5	98.3
51	34.7	28.1	42.1

Manual Integrations
APPROVED

MMDadoda
7/26/2019 3:36:45 PM



#16

Acetone

Concen: 23.005 ug/l

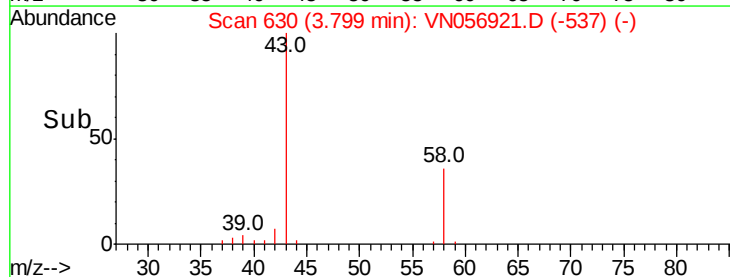
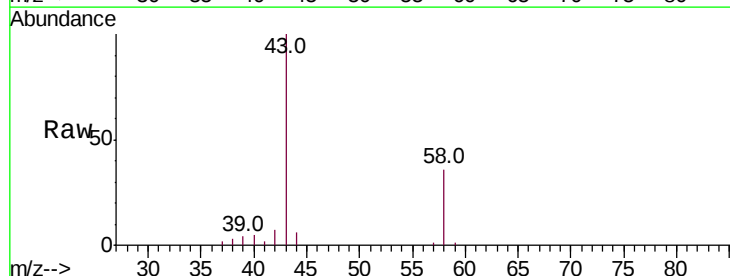
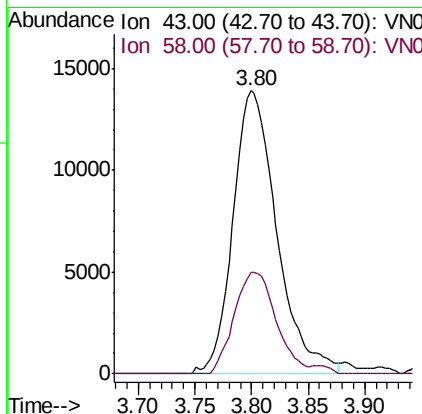
RT: 3.80 min Scan# 630

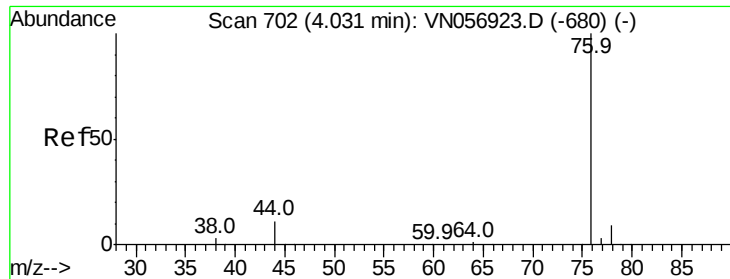
Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Tgt Ion:	43	Resp:	37564
Ion	Ratio	Lower	Upper
43	100		
58	35.7	27.3	40.9





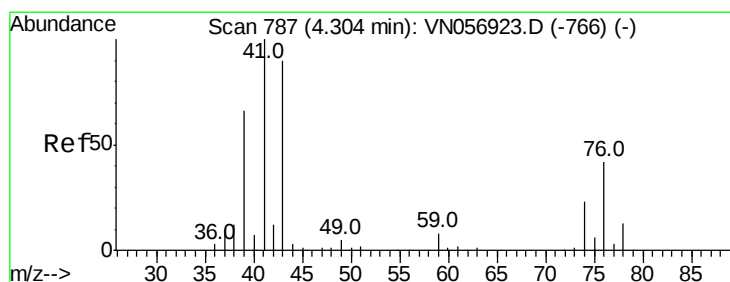
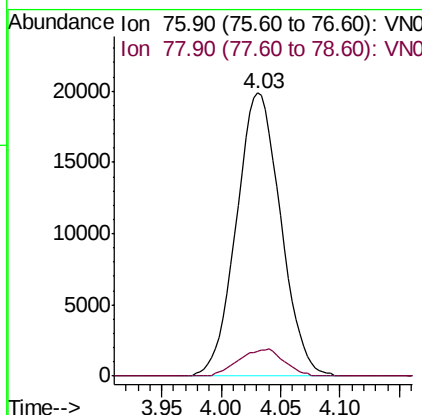
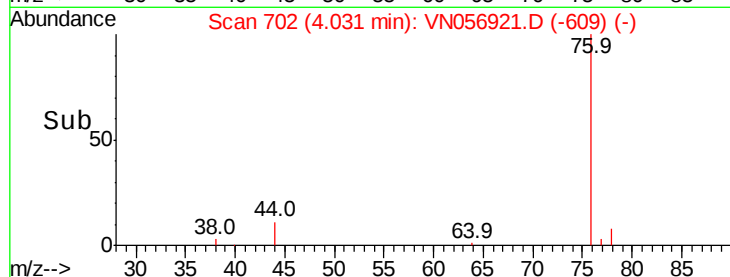
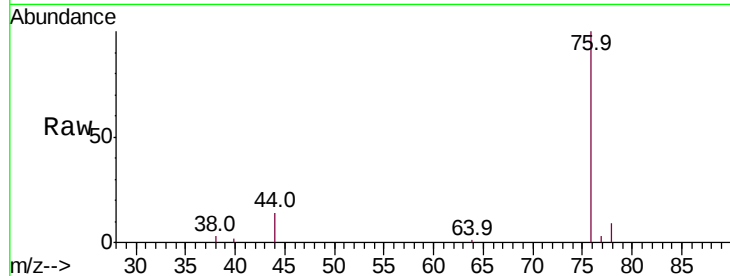
#17
Carbon Disulfide
Concen: 4.623 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 51270
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9

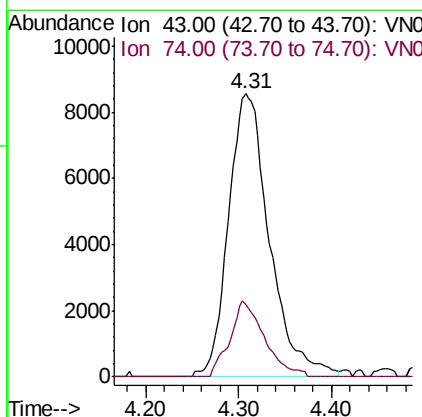
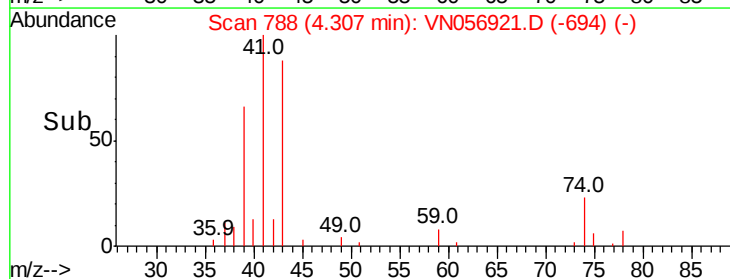
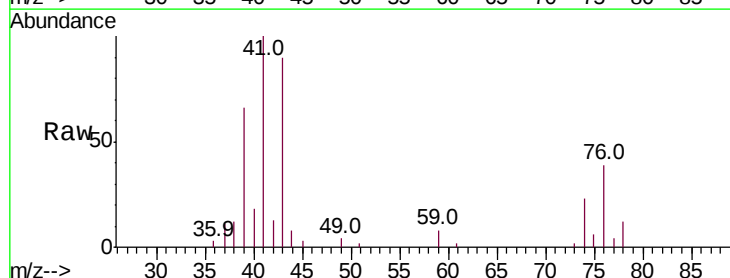
Manual Integrations
APPROVED

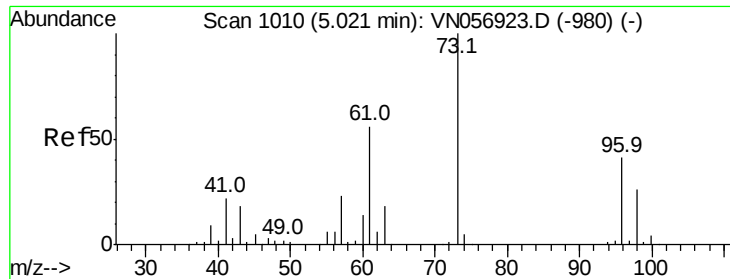
MMDadoda
7/26/2019 3:36:45 PM



#18
Methyl Acetate
Concen: 4.163 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 43 Resp: 26229
Ion Ratio Lower Upper
43 100
74 22.7 19.4 29.0





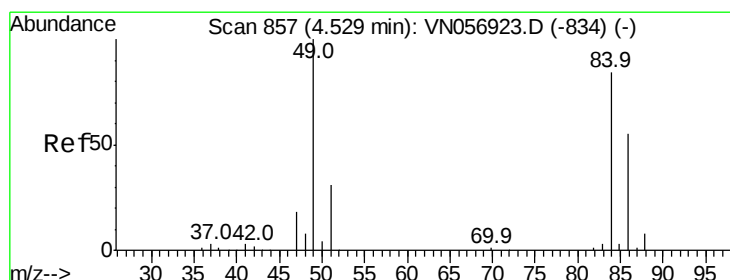
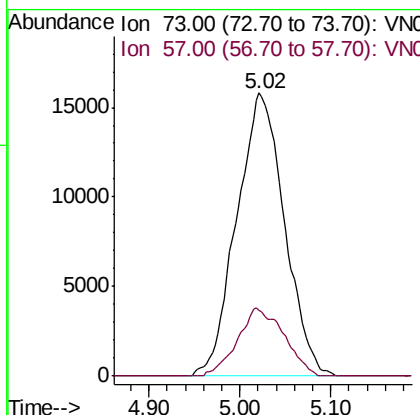
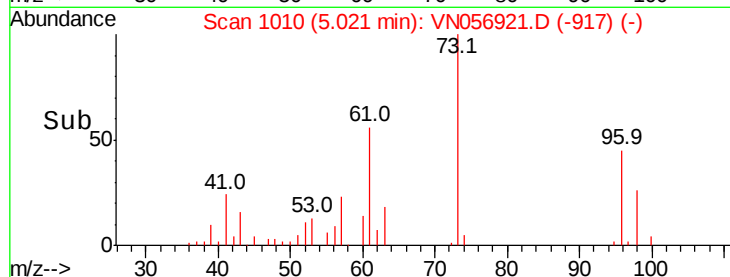
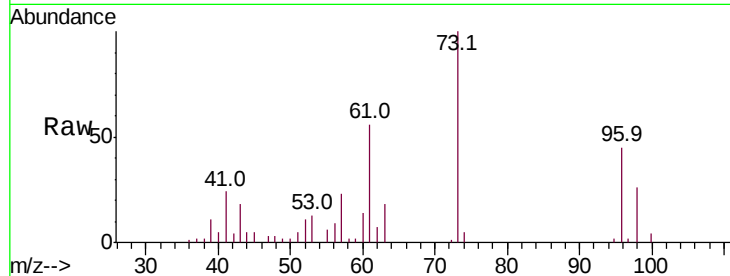
#19
Methvl tert-butvl Ether
Concen: 4.777 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 57527
Ion Ratio Lower Upper
73 100
57 23.1 18.2 27.4

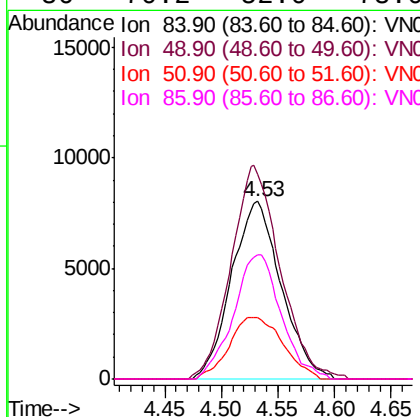
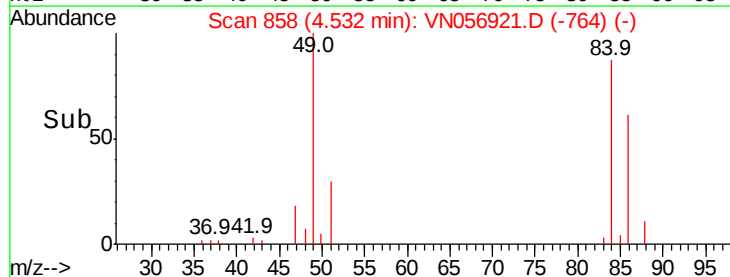
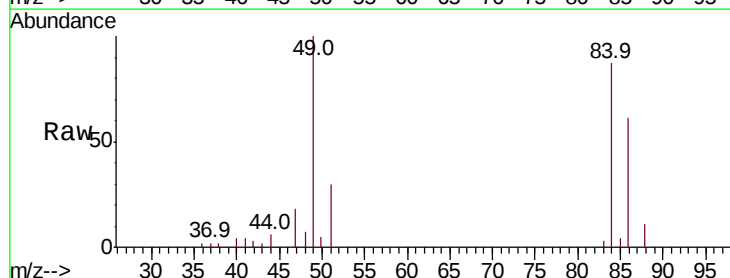
Manual Integrations
APPROVED

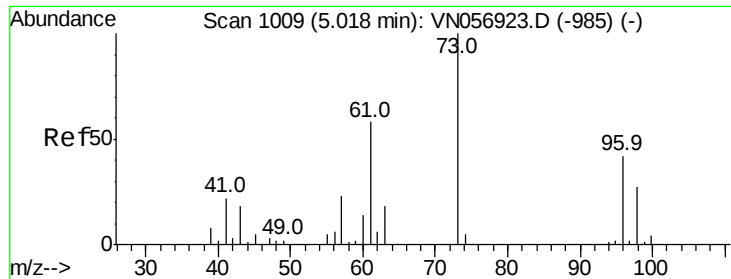
MMDadoda
7/26/2019 3:36:45 PM



#20
Methylene Chloride
Concen: 5.100 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 84 Resp: 24552
Ion Ratio Lower Upper
84 100
49 115.3 95.0 142.6
51 34.9 29.8 44.8
86 70.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 5.182 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 22114

Ion Ratio Lower Upper

96 100

61 124.3 109.9 164.9

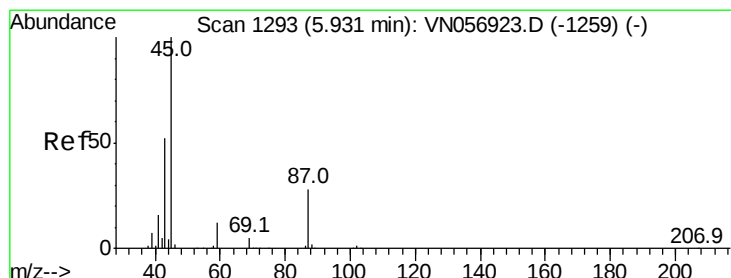
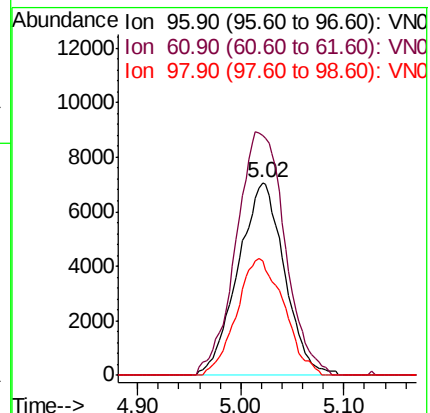
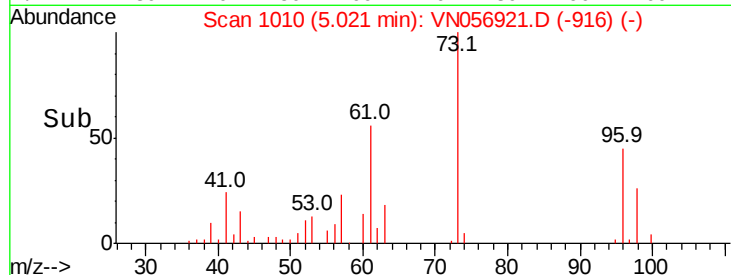
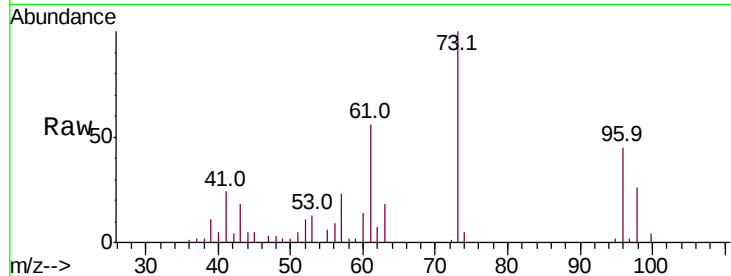
98 59.0 51.0 76.4

Manual Integrations

APPROVED

MMDadoda

7/26/2019 3:36:45 PM



#22

Diisopropyl ether

Concen: 4.946 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Tgt Ion: 45 Resp: 66979

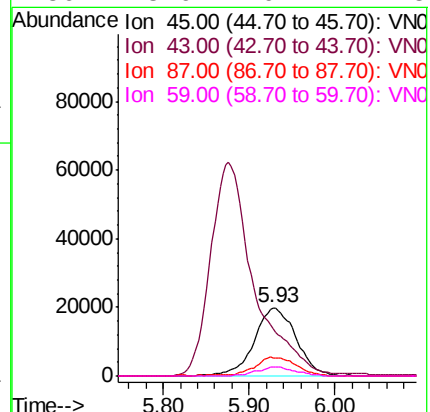
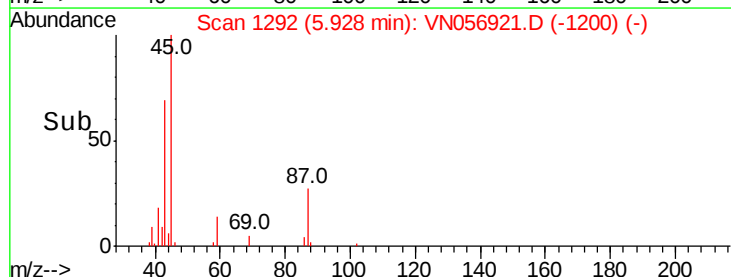
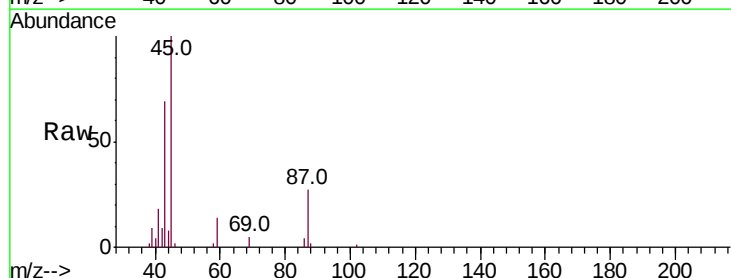
Ion Ratio Lower Upper

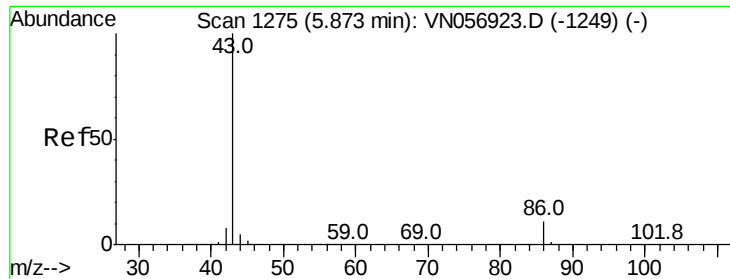
45 100

43 66.3 44.7 67.1

87 26.6 23.1 34.7

59 13.9 9.7 14.5





#23

Vinyl Acetate

Concen: 22.589 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 219643

Ion Ratio Lower Upper

43 100

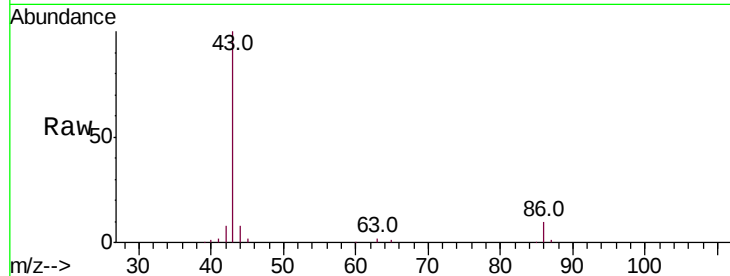
86 10.0 8.6 13.0

Manual Integrations

APPROVED

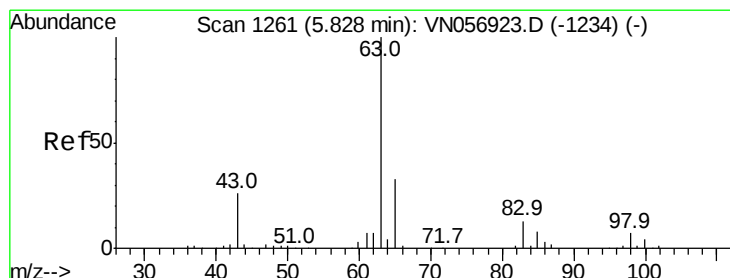
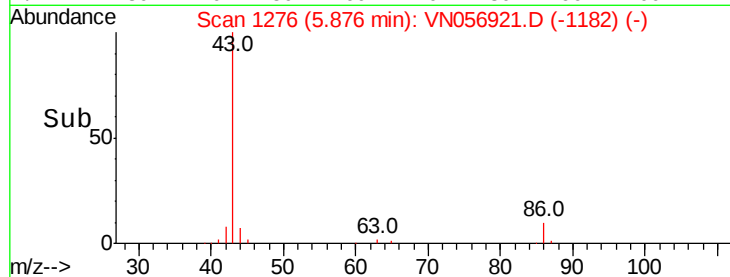
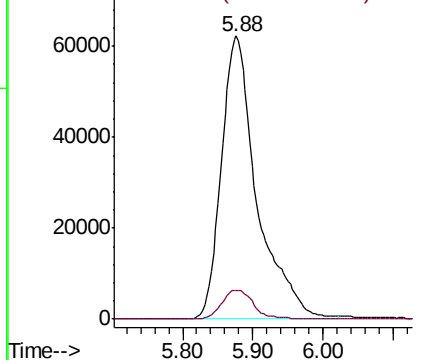
MMDadoda

7/26/2019 3:36:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 5.144 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

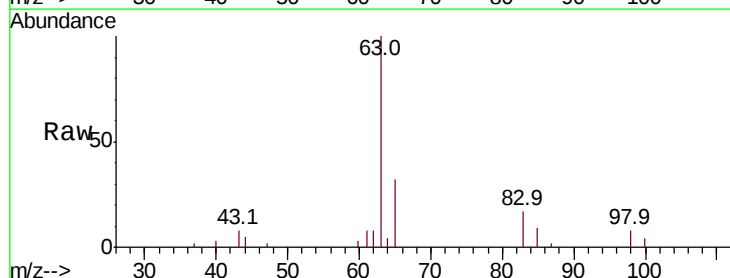
Tgt Ion: 63 Resp: 40427

Ion Ratio Lower Upper

63 100

98 8.1 3.4 10.1

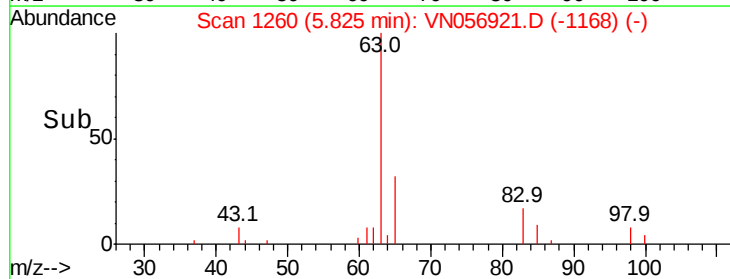
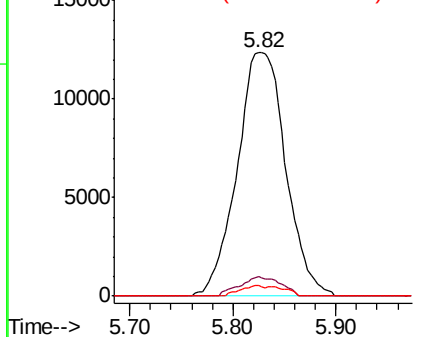
100 4.2 2.1 6.3

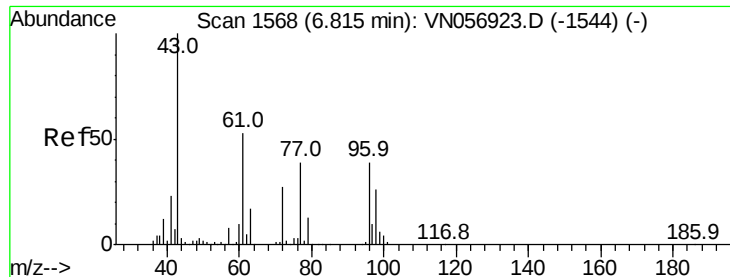


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 24.575 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 58347

Ion Ratio Lower Upper

43 100

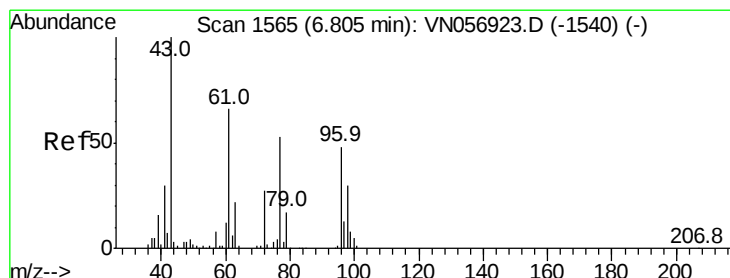
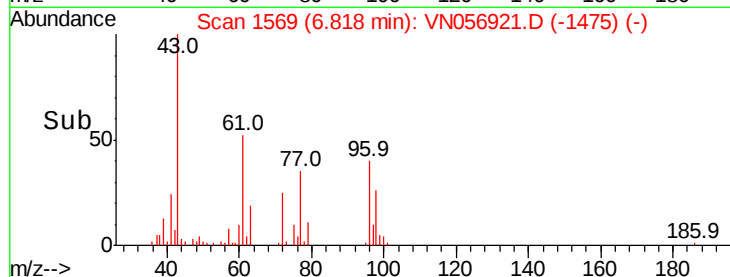
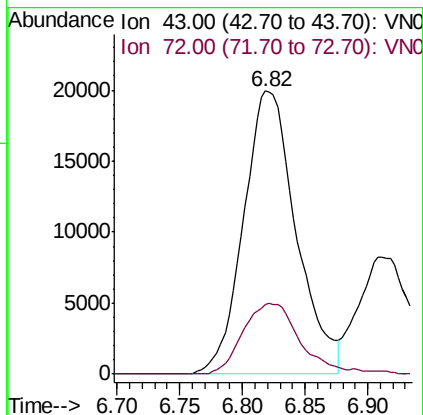
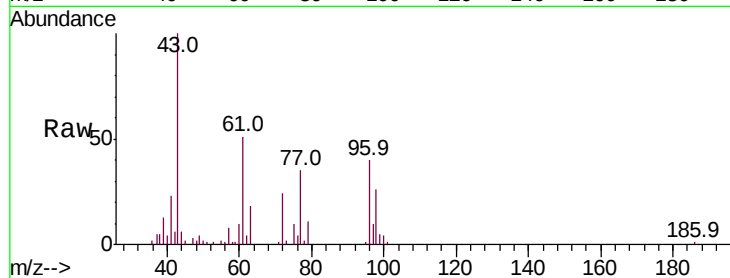
72 24.4 21.9 32.9

Manual Integrations

APPROVED

MMDadoda

7/26/2019 3:36:45 PM



#26

2,2-Dichloropropane

Concen: 5.061 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN056921.D

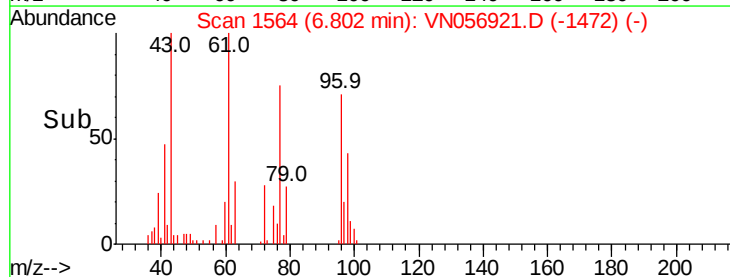
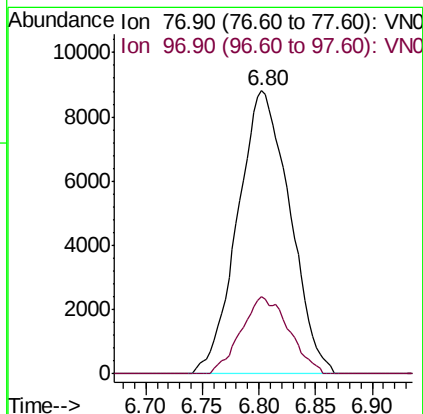
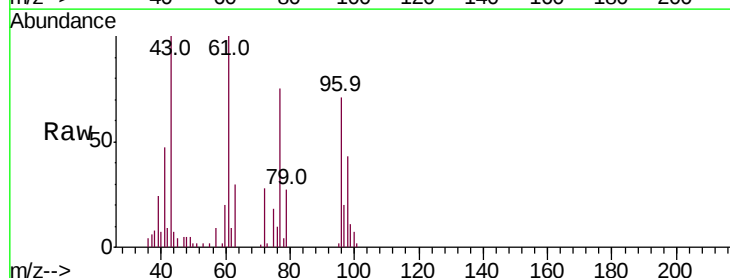
Acq: 25 Jul 2019 14:28

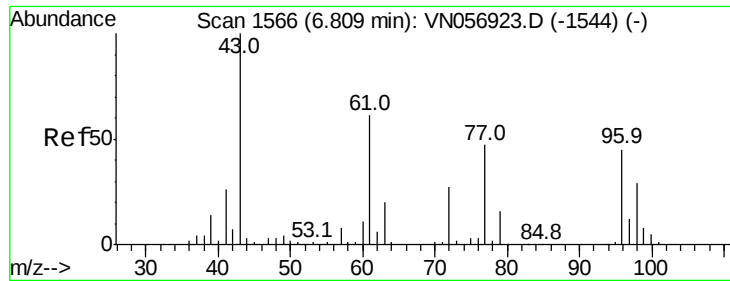
Tgt Ion: 77 Resp: 28247

Ion Ratio Lower Upper

77 100

97 24.9 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 5.272 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

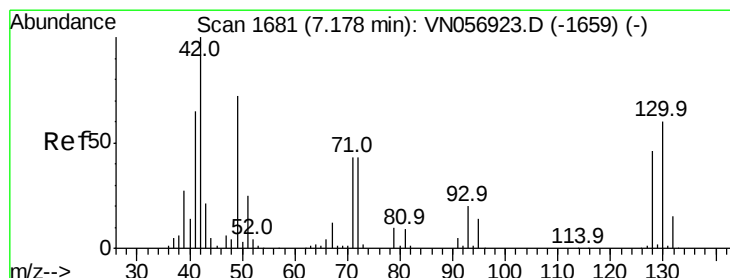
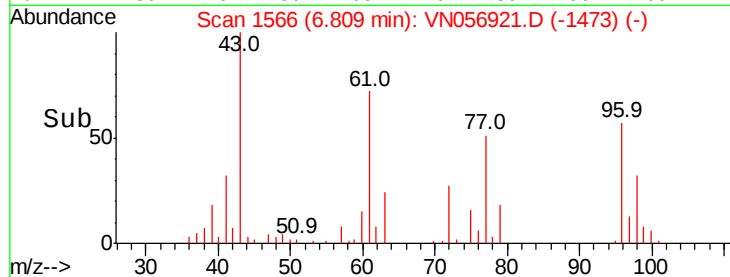
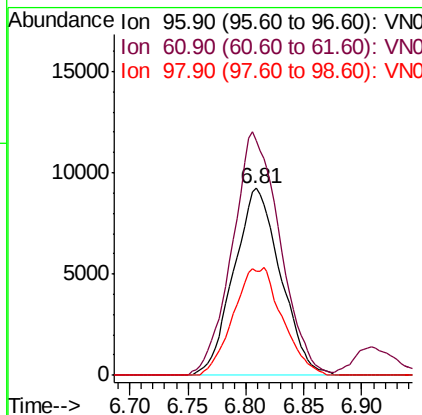
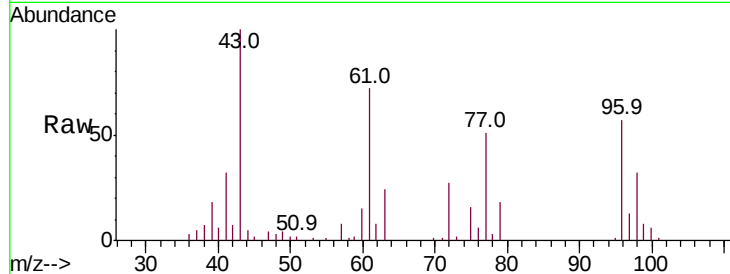
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	25866
Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	278.8
98	60.1	0.0	130.0

Manual Integrations
APPROVED

MMDadoda
7/26/2019 3:36:45 PM



#28

Bromochloromethane

Concen: 5.121 ug/l

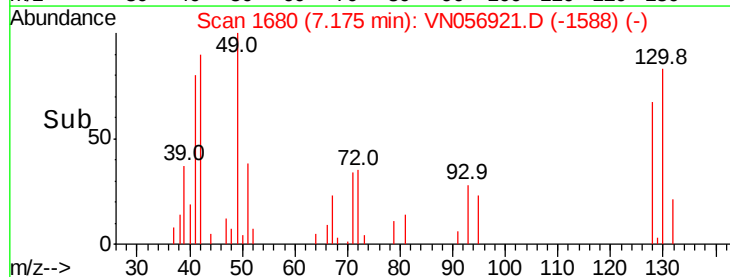
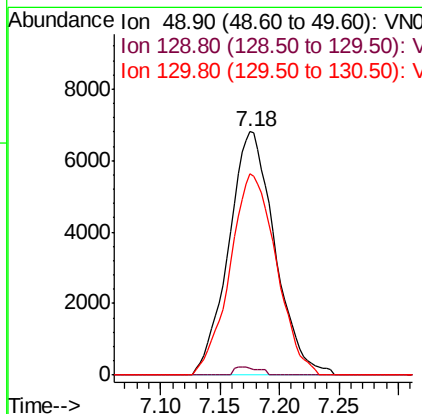
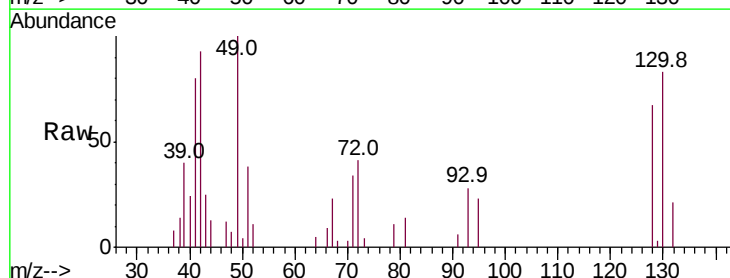
RT: 7.18 min Scan# 1680

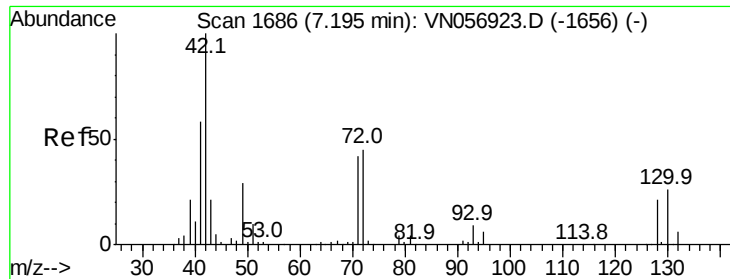
Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Tgt Ion:	49	Resp:	18311
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	82.9	67.3	100.9





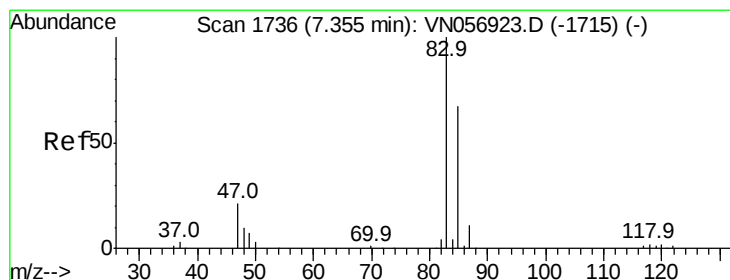
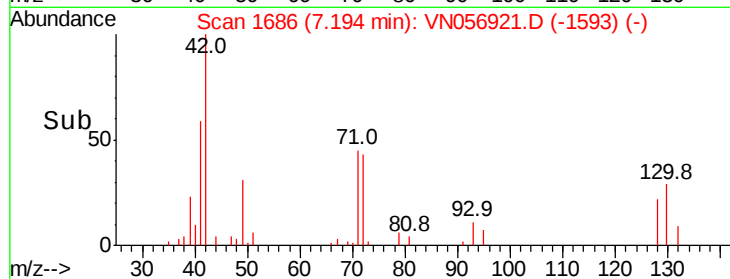
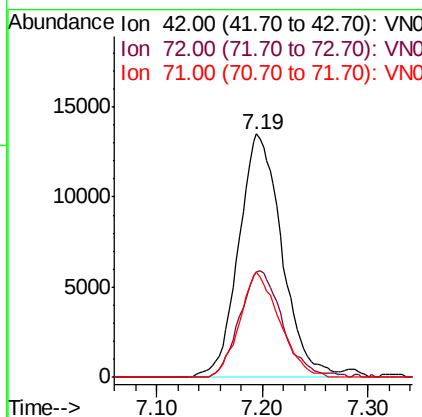
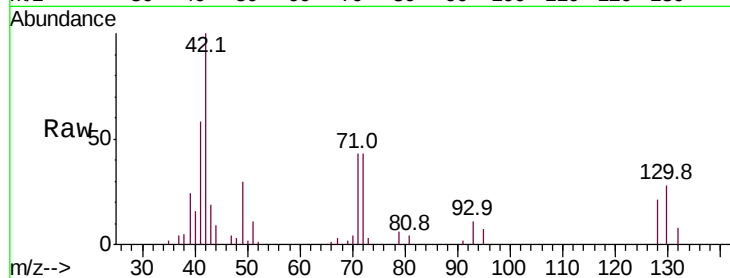
#29
Tetrahydrofuran
Concen: 23.755 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	35.5	53.3
71	39.8	33.0	49.6

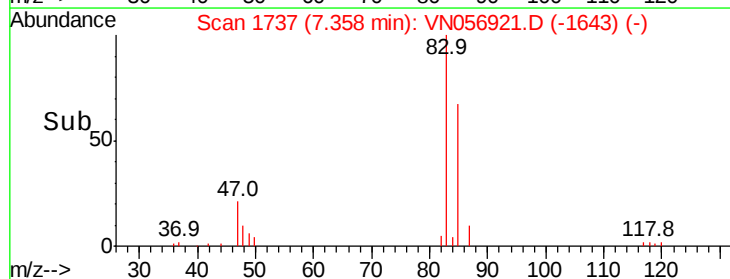
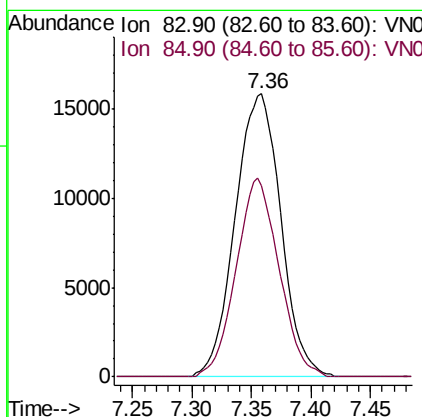
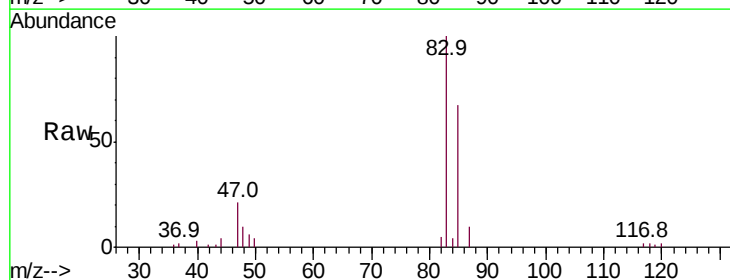
Manual Integrations
APPROVED

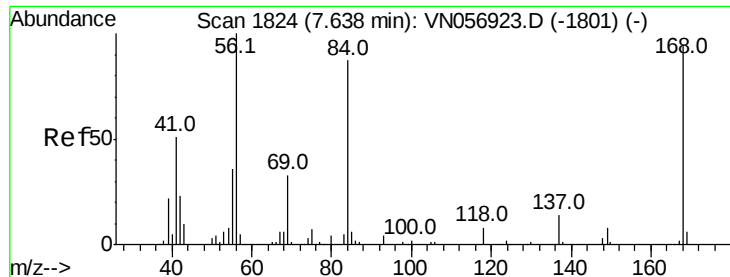
MMDadoda
7/26/2019 3:36:45 PM



#30
Chloroform
Concen: 5.328 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	53.5	80.3





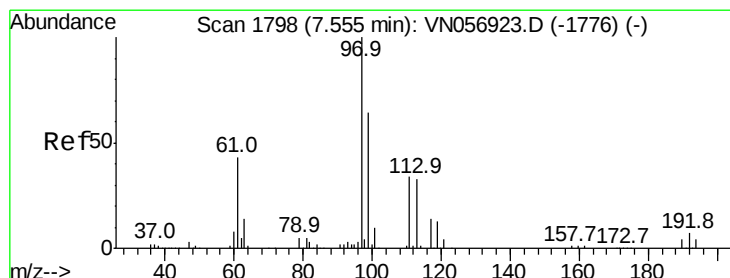
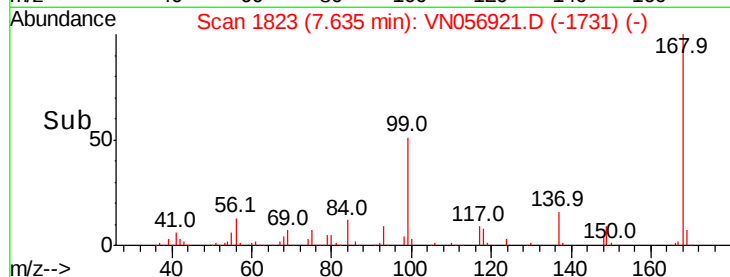
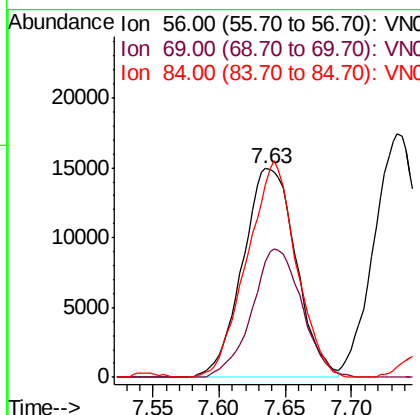
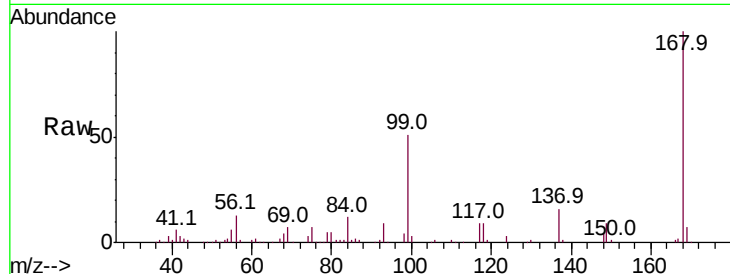
#31
Cyclohexane
Concen: 5.522 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 41970
Ion Ratio Lower Upper
56 100
69 55.7 26.3 39.5#
84 91.9 69.6 104.4

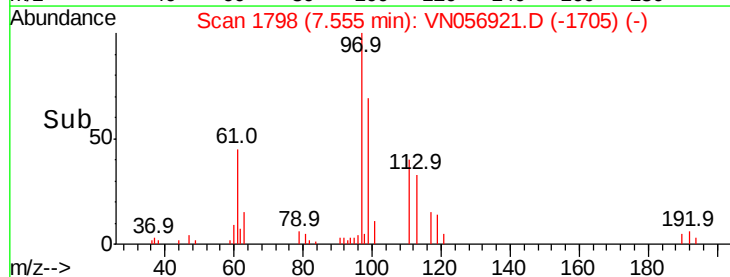
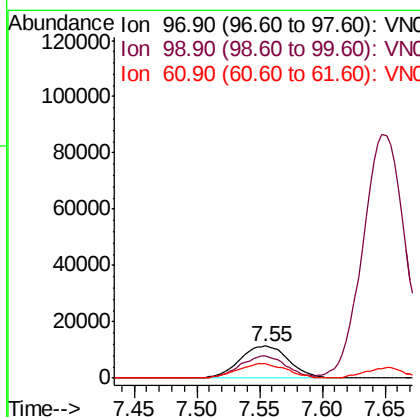
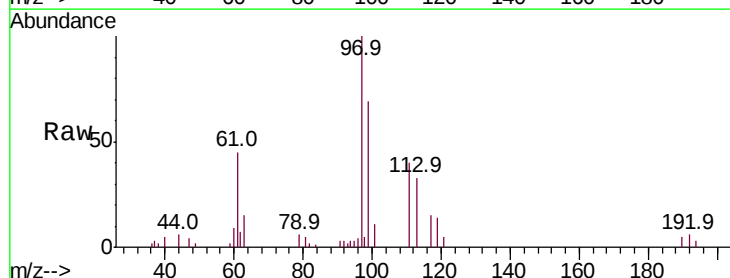
Manual Integrations
APPROVED

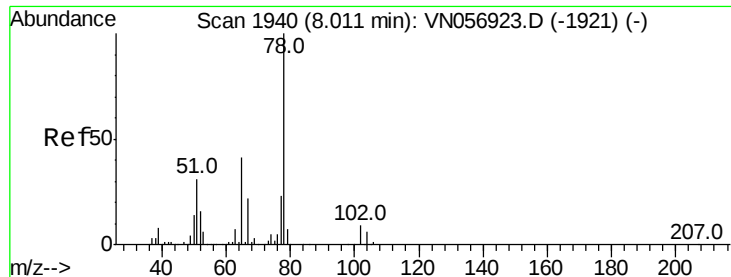
MMDadoda
7/26/2019 3:36:45 PM



#32
1,1,1-Trichloroethane
Concen: 4.873 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 97 Resp: 31125
Ion Ratio Lower Upper
97 100
99 65.0 51.6 77.4
61 45.3 33.8 50.6





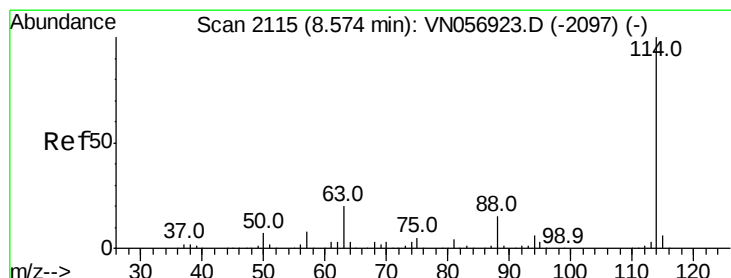
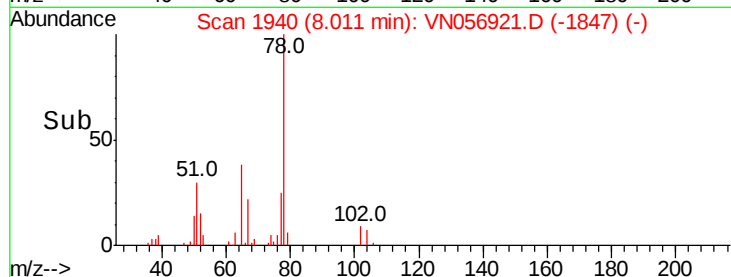
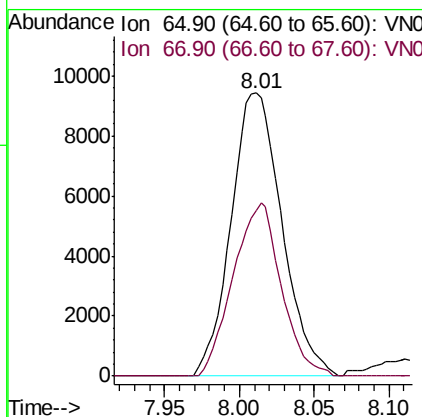
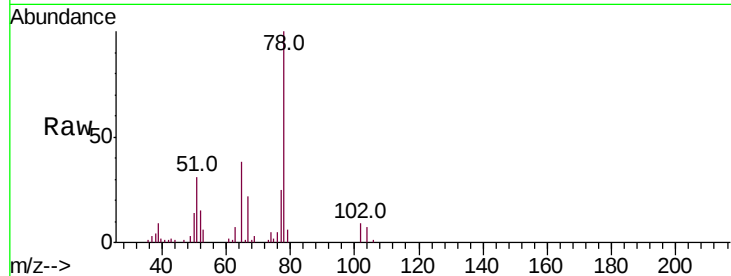
#33
 1,2-Dichloroethane-d4
 Concen: 4.926 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	57.6	0.0	109.2

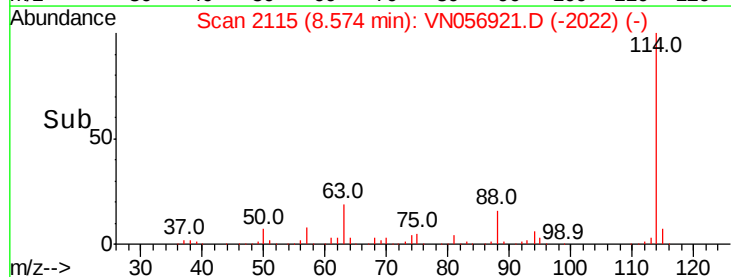
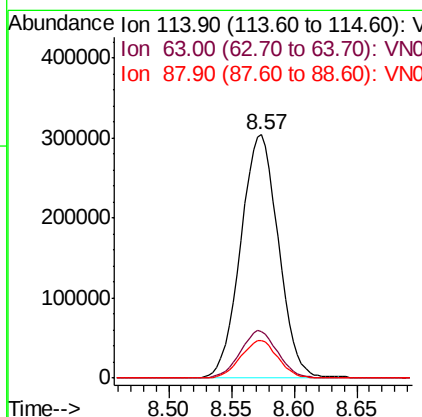
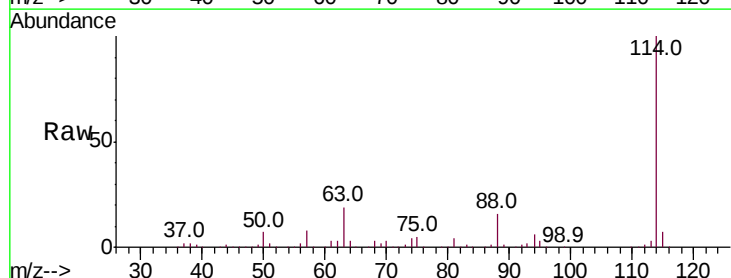
Manual Integrations
 APPROVED

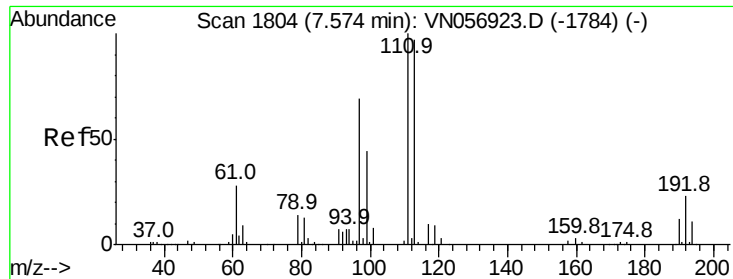
MMDadoda
 7/26/2019 3:36:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.4
88	15.6	0.0	30.4





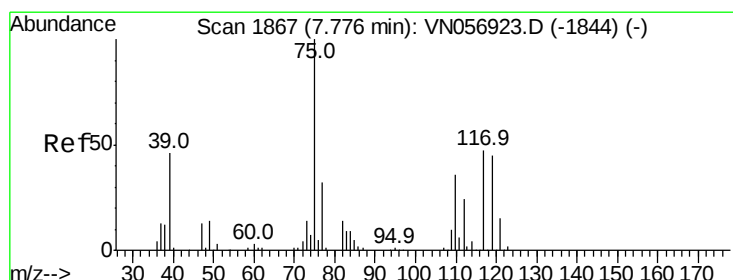
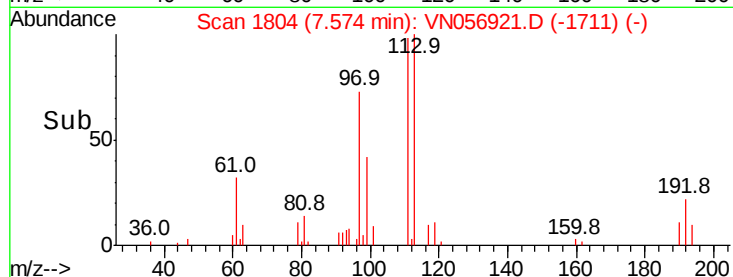
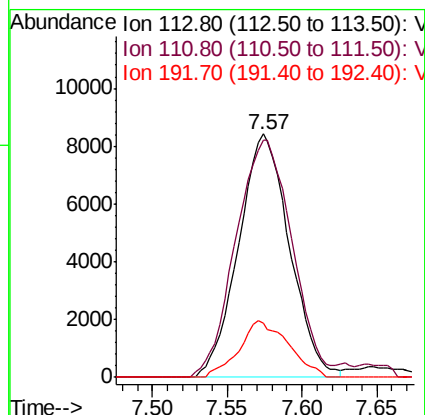
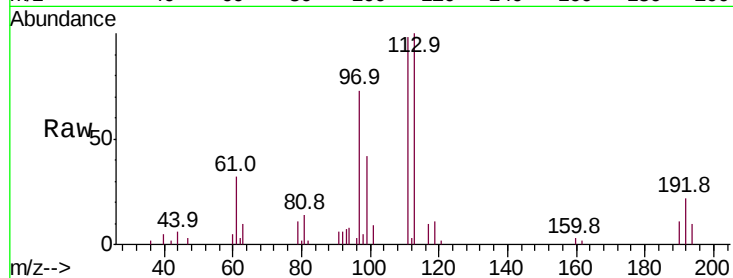
#35
 Dibromofluoromethane
 Concen: 4.858 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	107.1	82.2	123.2
192	22.3	18.3	27.5

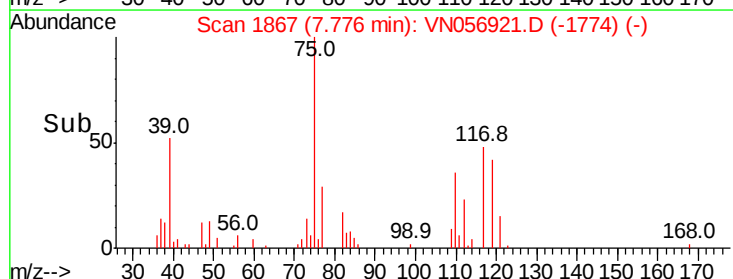
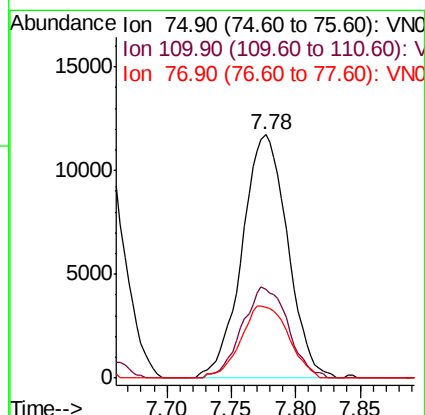
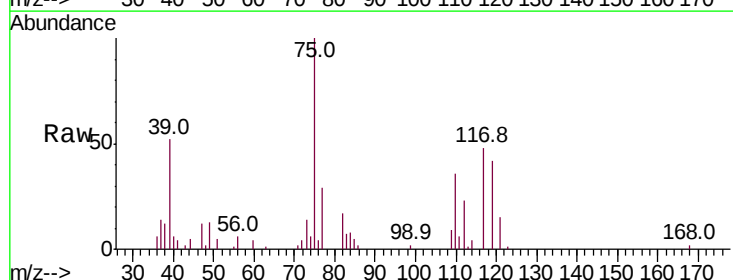
Manual Integrations
 APPROVED

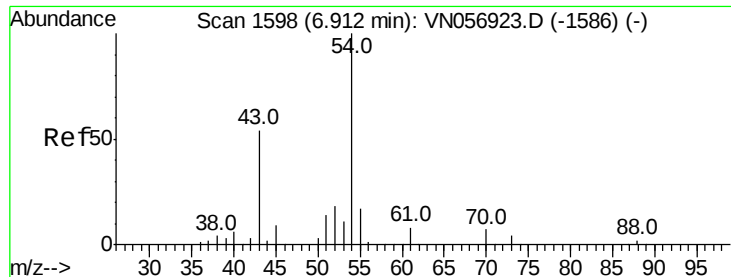
MMDadoda
 7/26/2019 3:36:45 PM



#36
 1,1-Dichloropropene
 Concen: 4.901 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.9	56.9
77	31.0	25.4	38.0





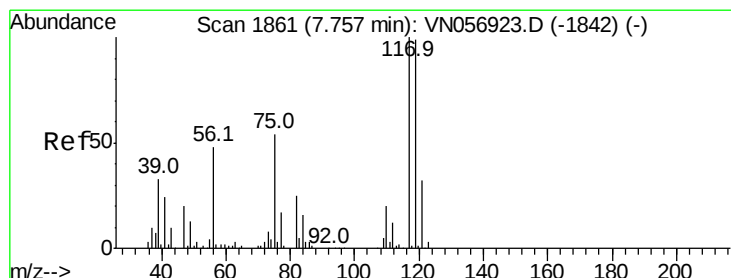
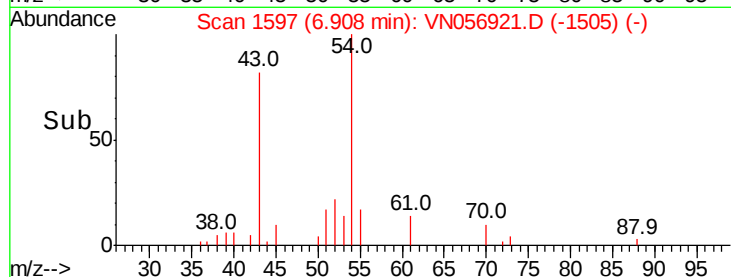
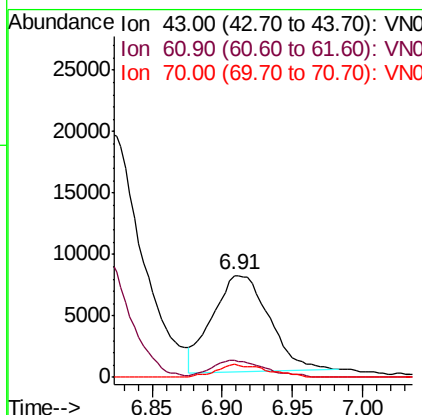
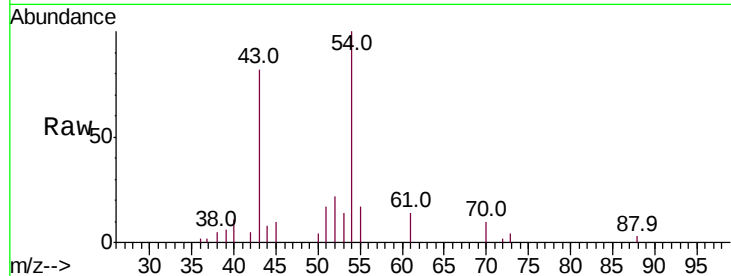
#37
Ethyl Acetate
Concen: 4.732 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	22253
Ion	Ratio	Lower	Upper
43	100		
61	16.7	11.9	17.9
70	11.8	8.8	13.2

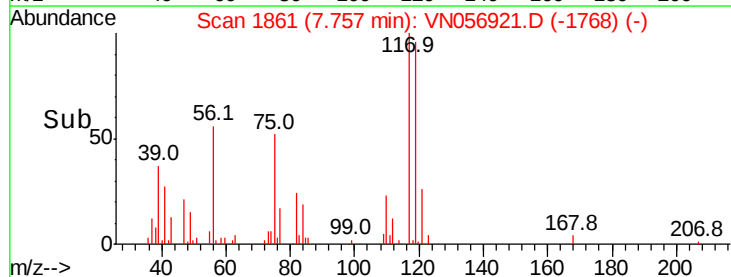
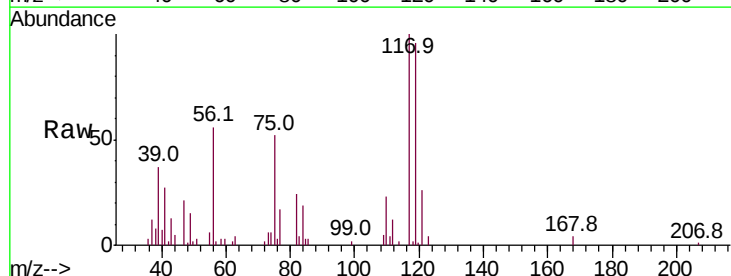
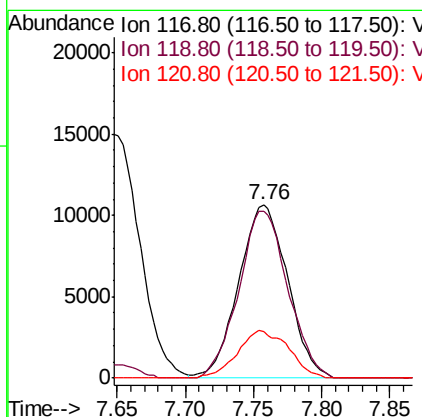
Manual Integrations
APPROVED

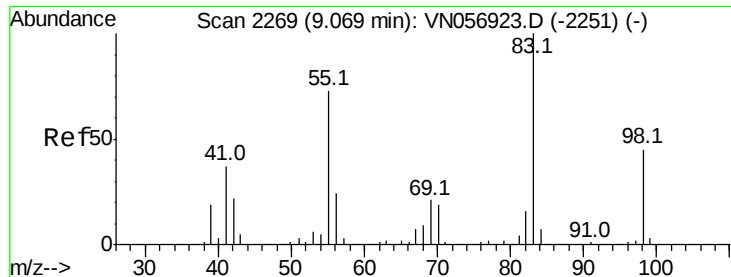
MMDadoda
7/26/2019 3:36:45 PM



#38
Carbon Tetrachloride
Concen: 4.728 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion:	117	Resp:	26525
Ion	Ratio	Lower	Upper
117	100		
119	96.2	79.0	118.6
121	26.4	25.1	37.7





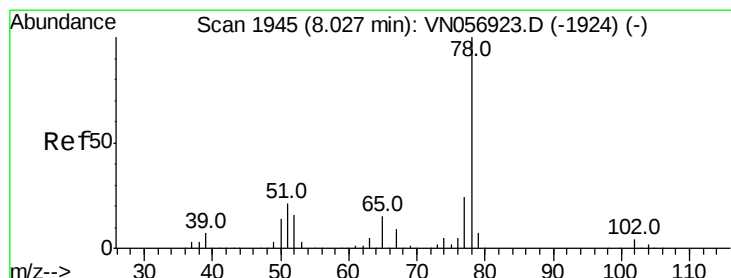
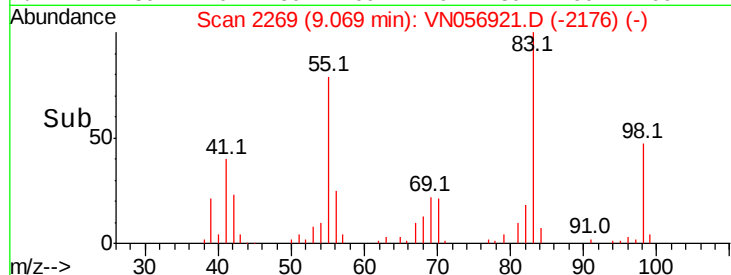
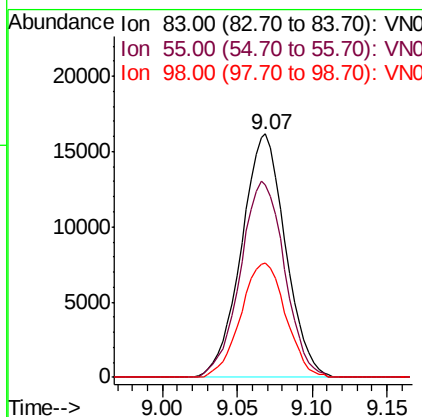
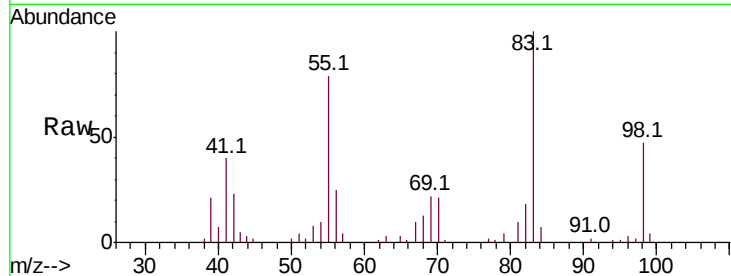
#39
Methvlcvclohexane
Concen: 4.485 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	58.8	88.2
98	46.9	35.8	53.6

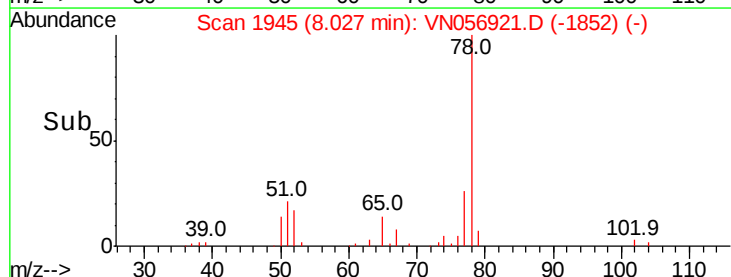
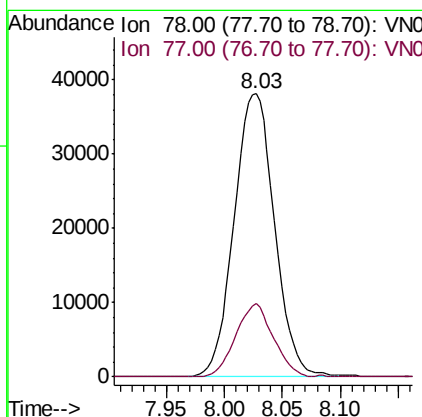
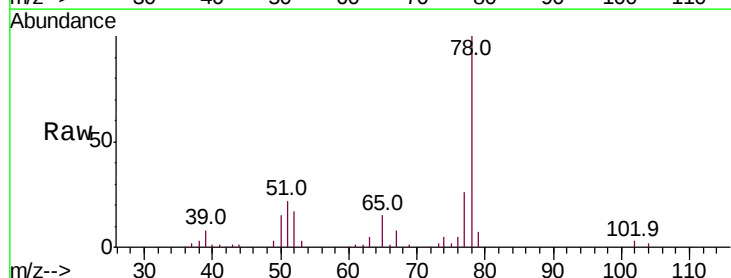
Manual Integrations
APPROVED

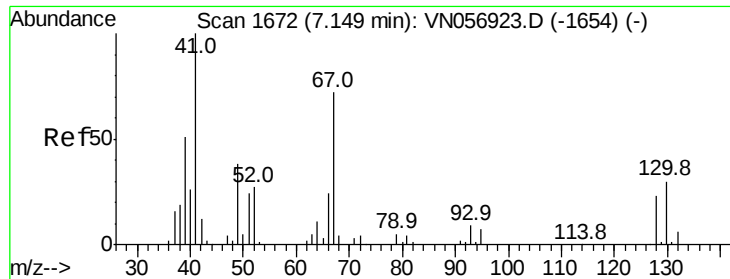
MMDadoda
7/26/2019 3:36:45 PM



#40
Benzene
Concen: 5.060 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.9	19.5	29.3





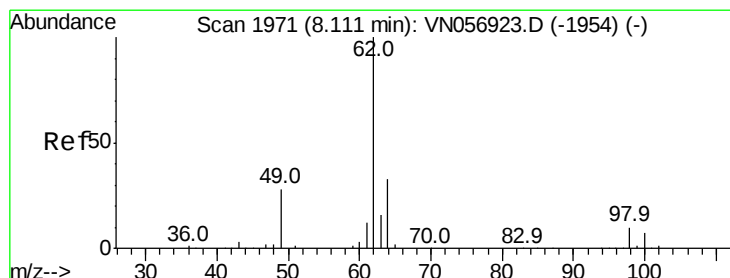
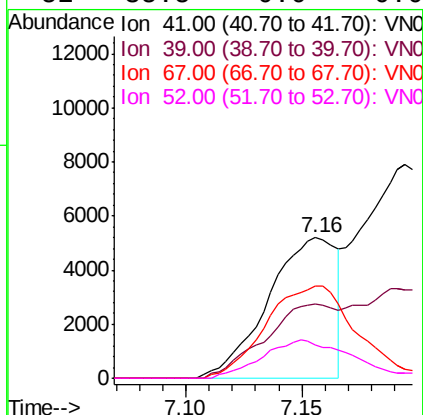
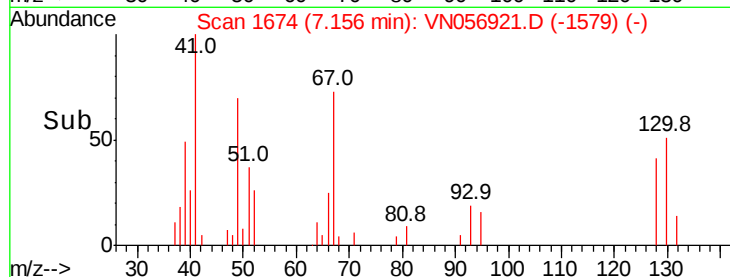
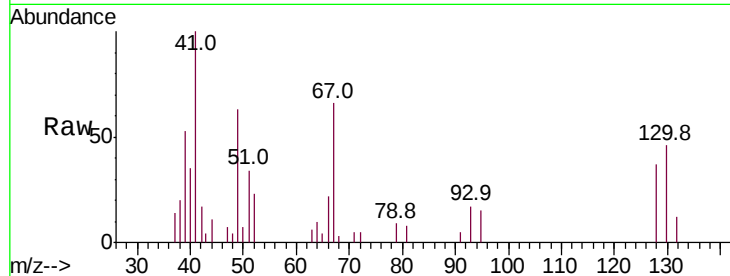
#41
Methacrylonitrile
Concen: 4.691 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.01 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.6	0.0	0.0#
67	85.8	0.0	0.0#
52	35.5	0.0	0.0#

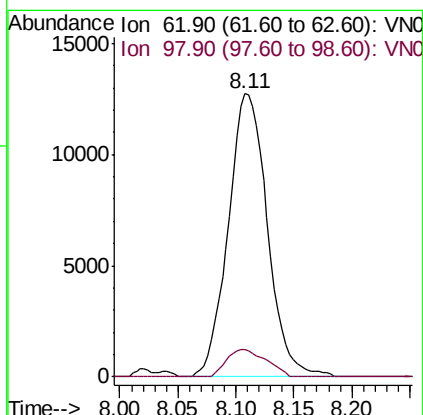
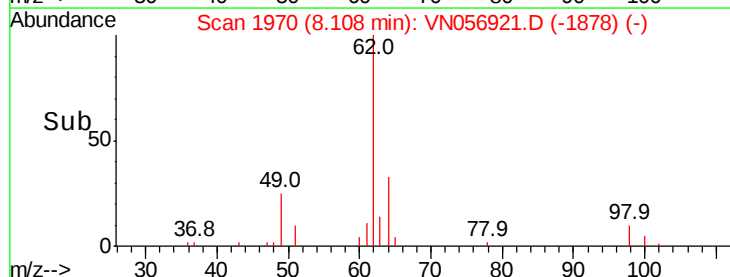
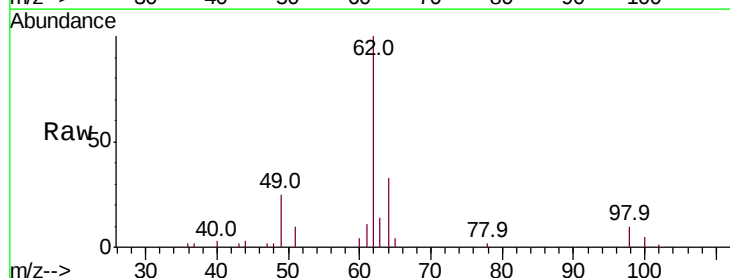
Manual Integrations
APPROVED

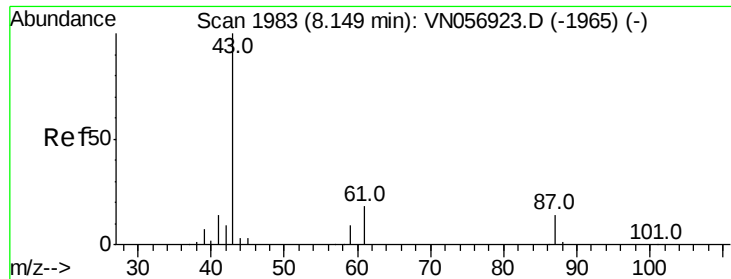
MMDadoda
7/26/2019 3:36:45 PM



#42
1,2-Dichloroethane
Concen: 5.239 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.8





#43

Isopropyl Acetate

Concen: 4.625 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

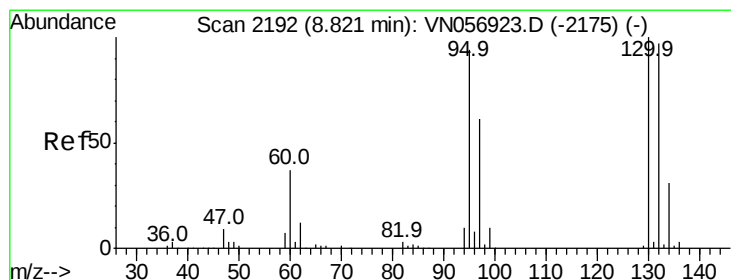
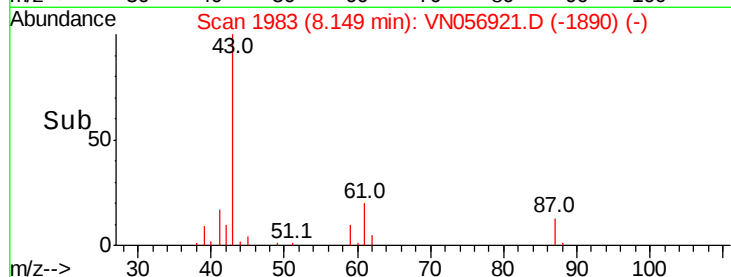
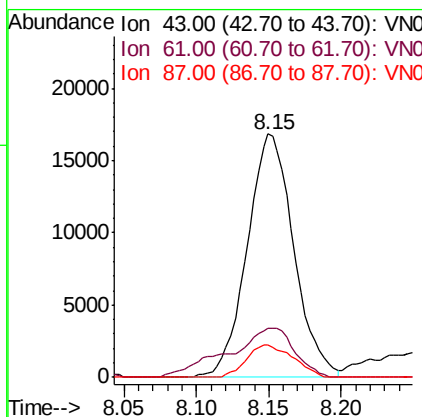
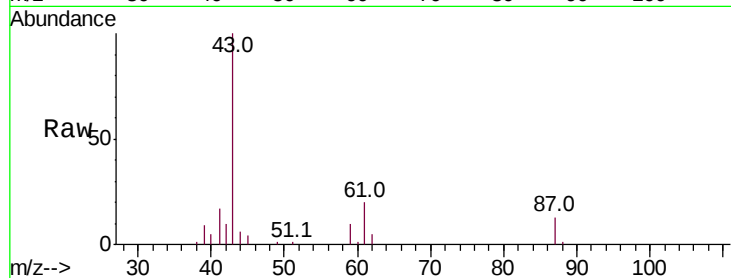
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	37524
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.8	35.6
87	13.4	11.8	17.6

Manual Integrations
APPROVED

MMDadoda
7/26/2019 3:36:45 PM



#44

Trichloroethene

Concen: 5.084 ug/l

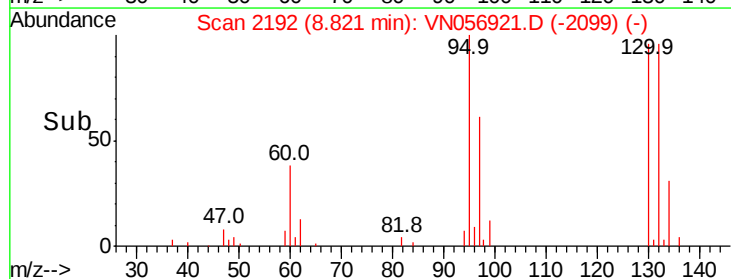
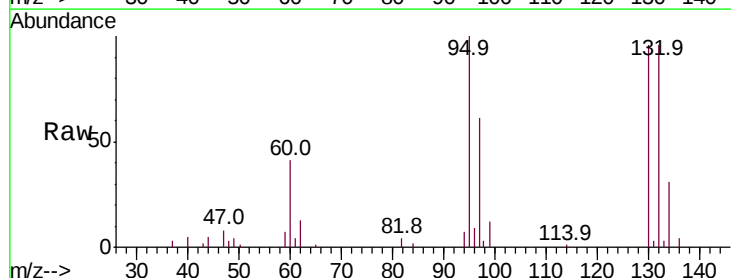
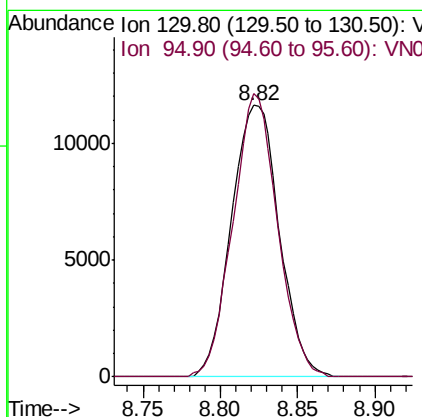
RT: 8.82 min Scan# 2192

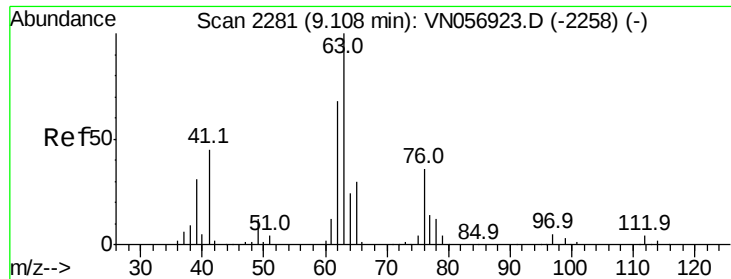
Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Tgt Ion:	130	Resp:	25048
Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	187.6





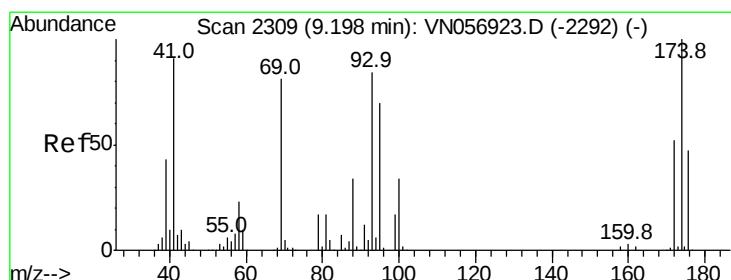
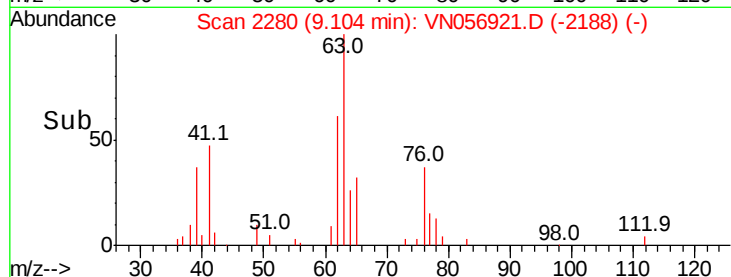
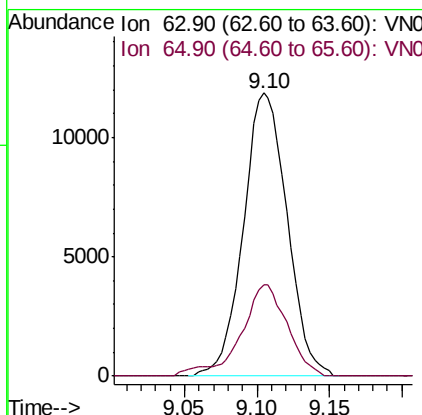
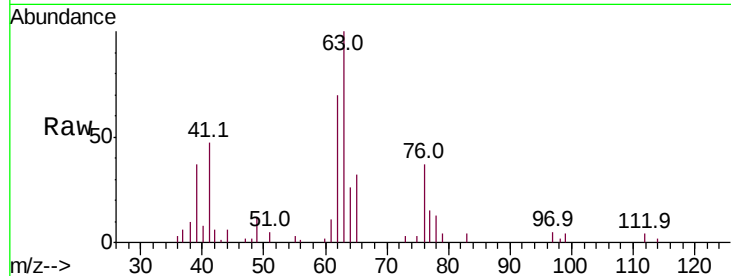
#45
 1,2-Dichloropropane
 Concen: 5.037 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 24883
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.5 36.7

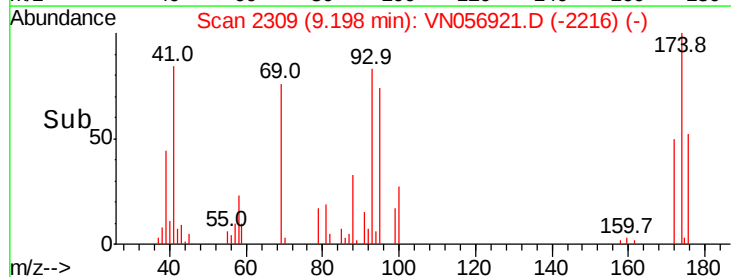
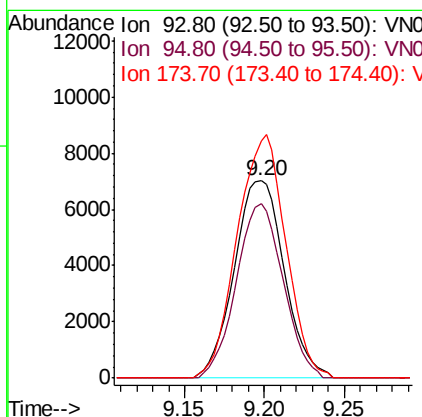
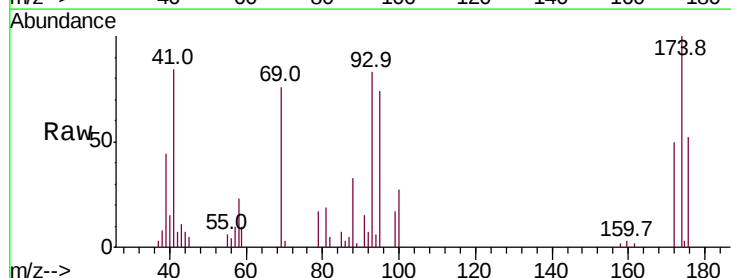
Manual Integrations
 APPROVED

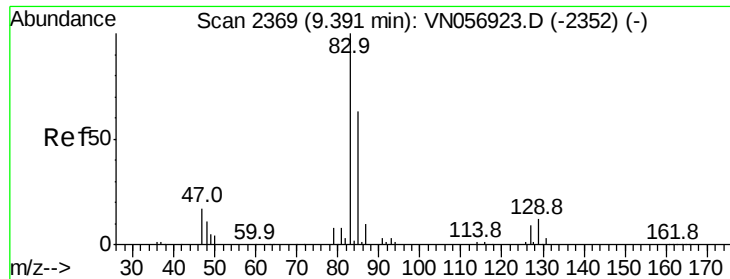
MMDadoda
 7/26/2019 3:36:45 PM



#46
 Dibromomethane
 Concen: 4.937 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion: 93 Resp: 15051
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.8 100.2
 174 119.4 92.9 139.3





#47

Bromodichloromethane

Concen: 4.973 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

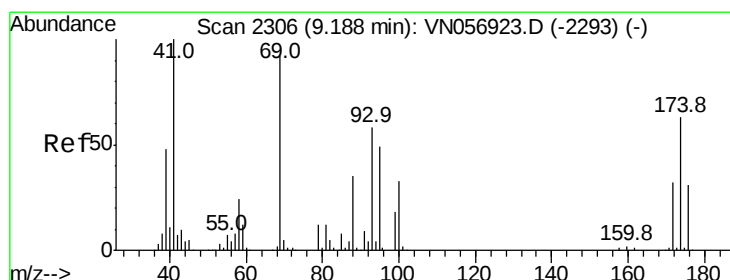
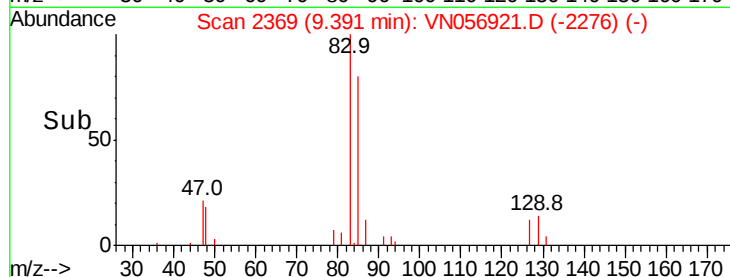
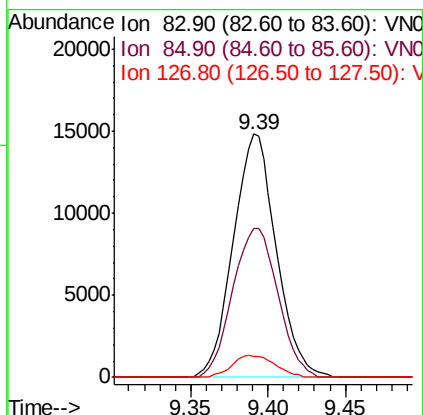
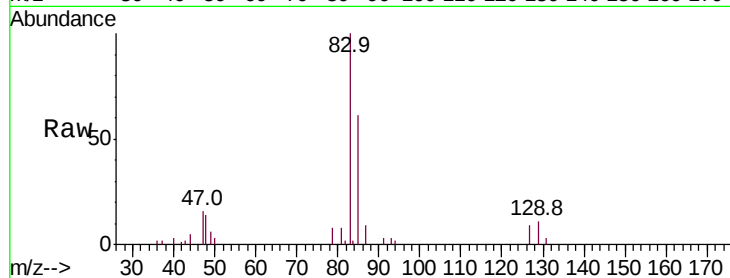
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	28581
Ion Ratio	Lower	Upper	
83	100		
85	61.1	50.5	75.7
127	8.8	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
7/26/2019 3:36:45 PM



#48

Methyl methacrylate

Concen: 4.104 ug/l

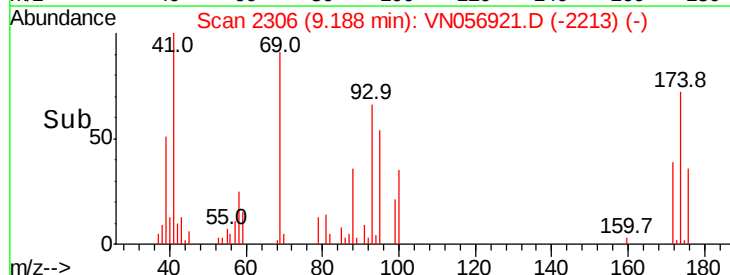
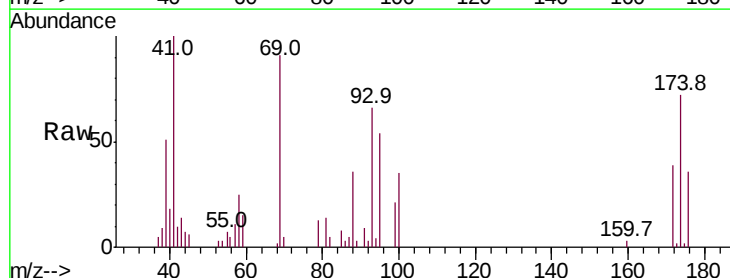
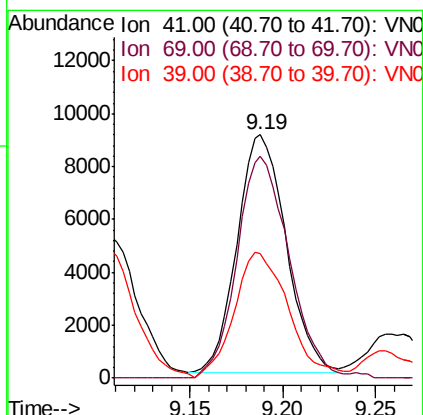
RT: 9.19 min Scan# 2306

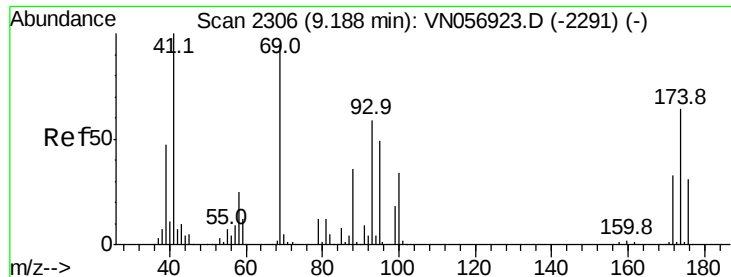
Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Tgt Ion:	41	Resp:	16613
Ion Ratio	Lower	Upper	
41	100		
69	99.4	73.4	110.0
39	58.2	40.1	60.1





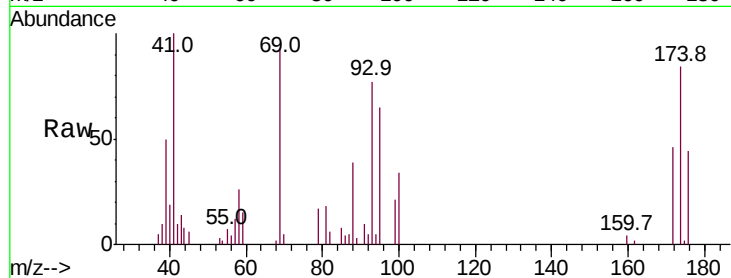
#49
 1,4-Dioxane
 Concen: 94.395 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	88	Resp	7550
Ion	Ratio	Lower	Upper
88	100		
43	35.5	21.1	31.7#
58	70.1	52.5	78.7

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:36:45 PM

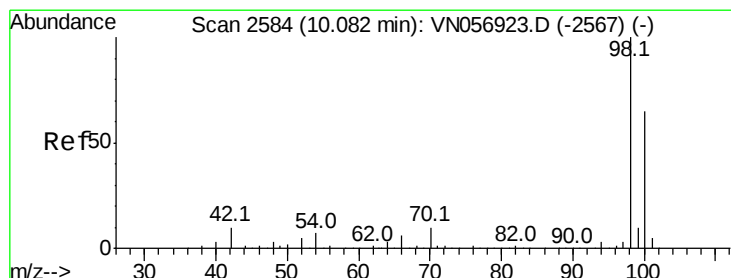
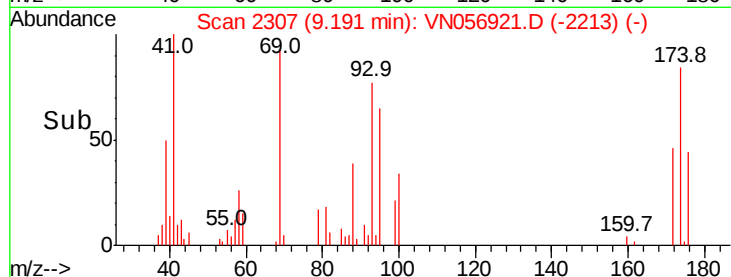
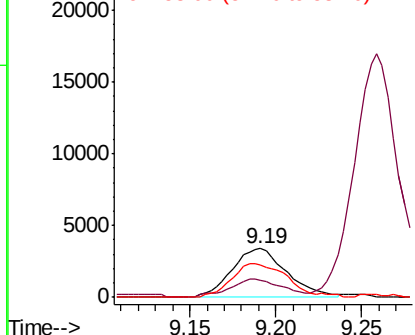


Abundance

Ion 88.00 (87.70 to 88.70): VNO

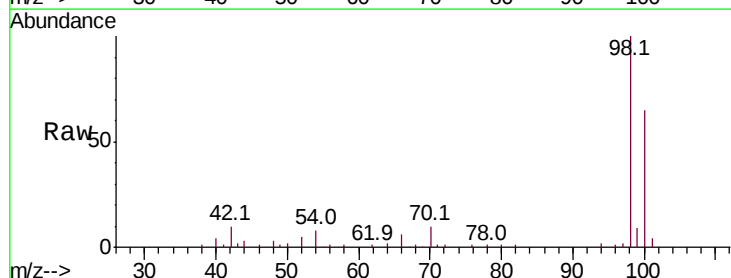
Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#50
 Toluene-d8
 Concen: 4.804 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

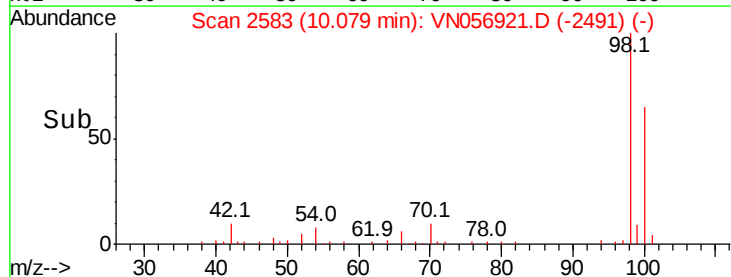
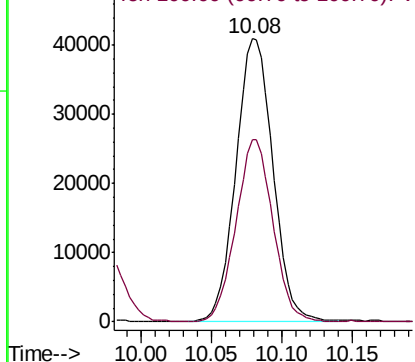
Tgt Ion	98	Resp	75349
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2

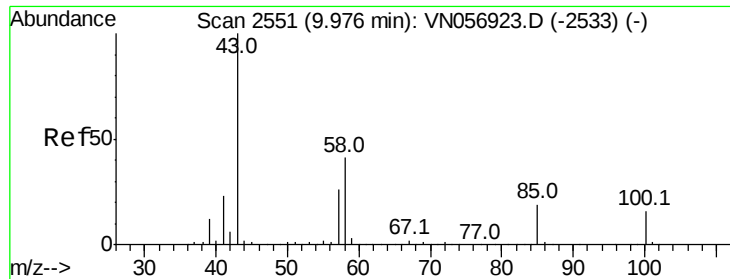


Abundance

Ion 98.00 (97.70 to 98.70): VNO

Ion 100.00 (99.70 to 100.70): VNO





#51

4-Methyl-2-Pentanone

Concen: 23.812 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 114979

Ion Ratio Lower Upper

43 100

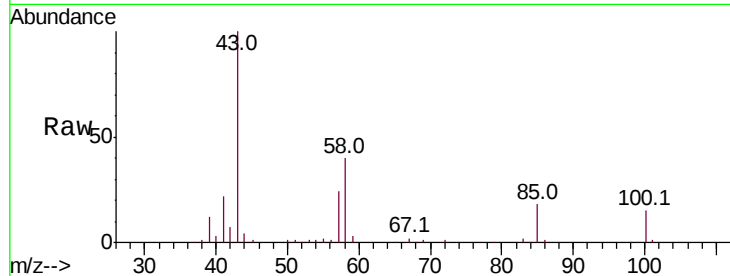
58 39.1 32.8 49.2

Manual Integrations

APPROVED

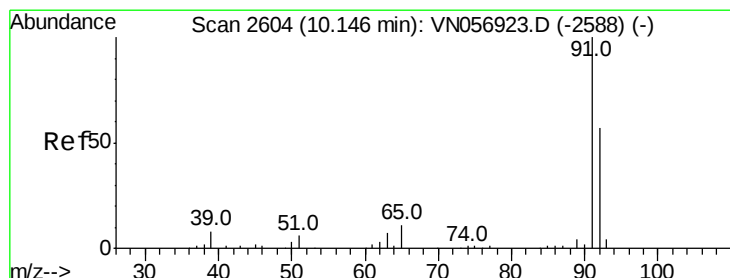
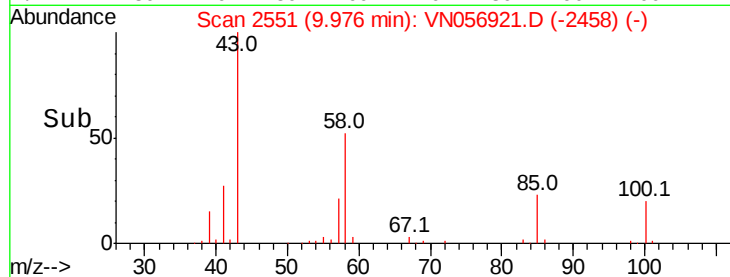
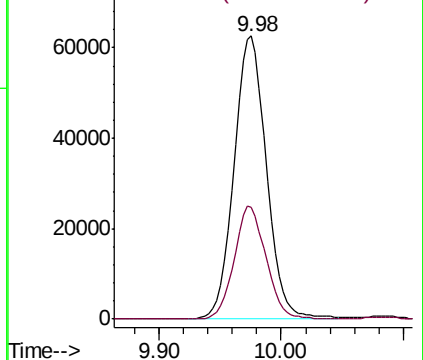
MMDadoda

7/26/2019 3:36:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 4.900 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN056921.D

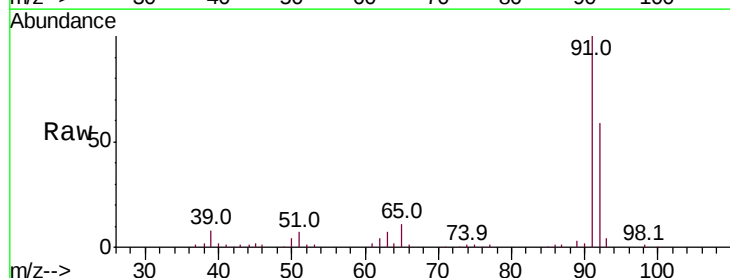
Acq: 25 Jul 2019 14:28

Tgt Ion: 92 Resp: 54015

Ion Ratio Lower Upper

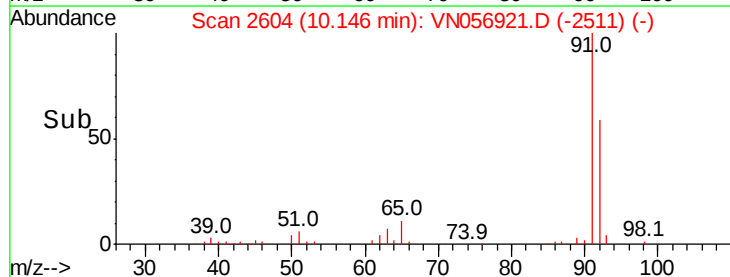
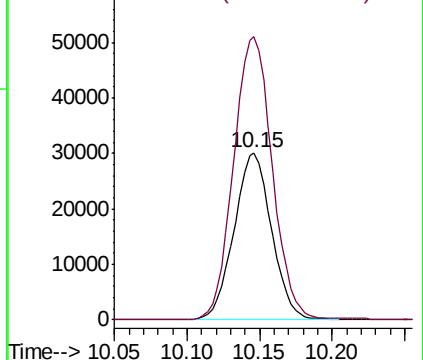
92 100

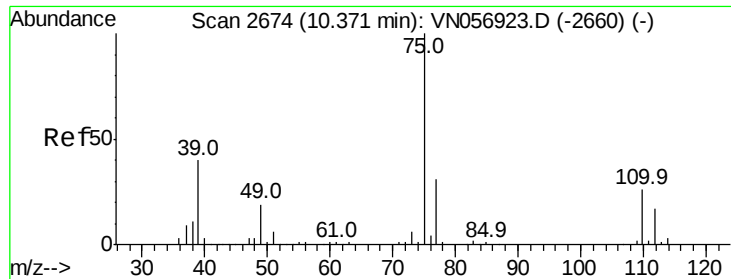
91 175.4 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





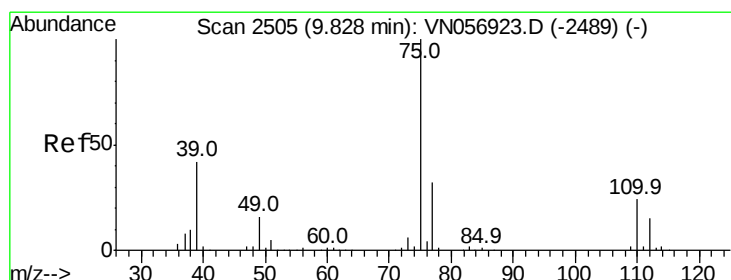
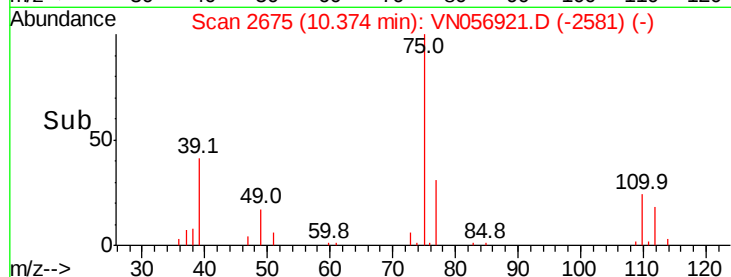
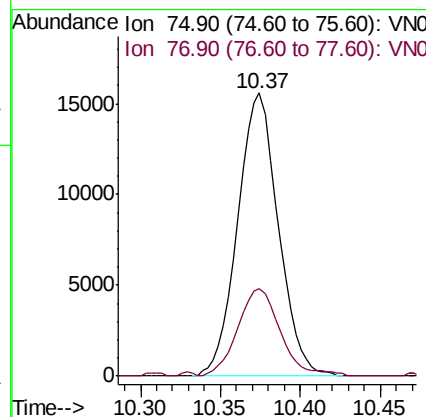
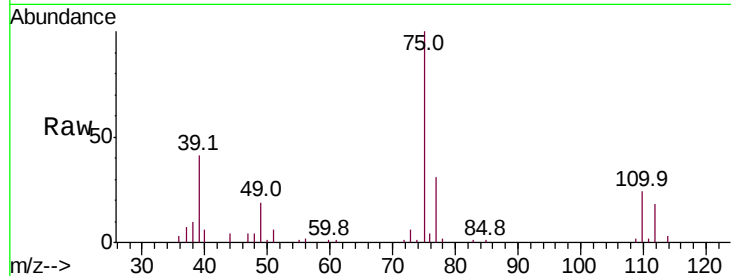
#53
t-1,3-Dichloropropene
Concen: 4.590 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 26952
Ion Ratio Lower Upper
75 100
77 30.0 25.0 37.6

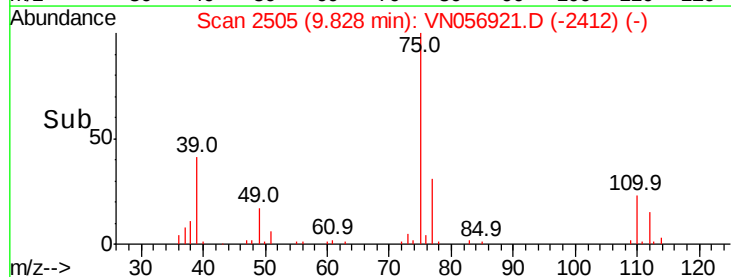
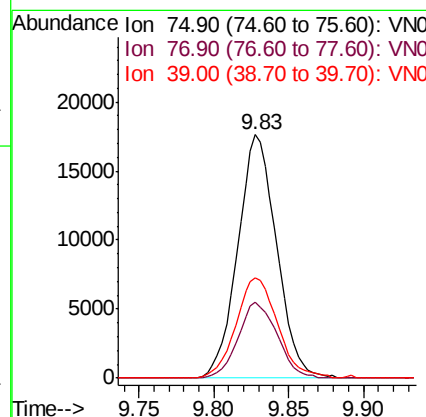
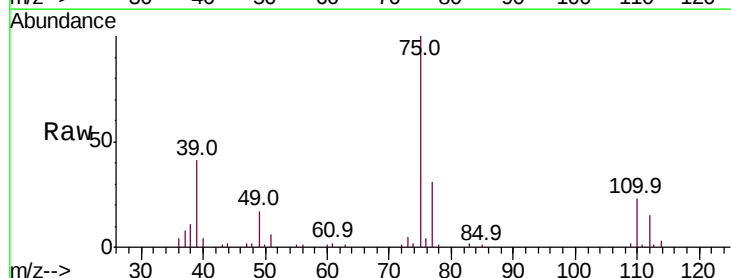
Manual Integrations
APPROVED

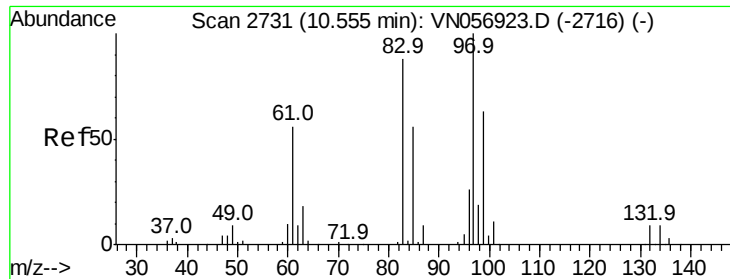
MMDadoda
7/26/2019 3:36:45 PM



#54
cis-1,3-Dichloropropene
Concen: 4.583 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 75 Resp: 31816
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.0
39 41.4 33.4 50.0





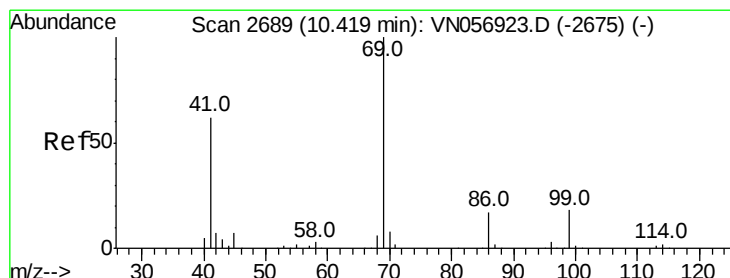
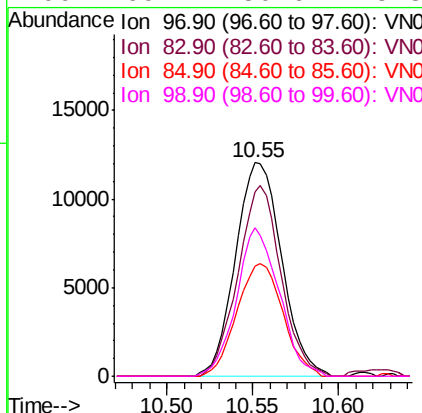
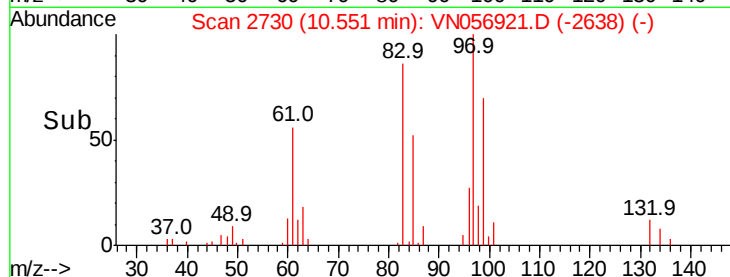
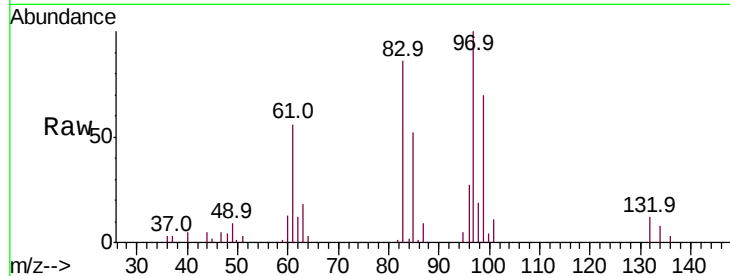
#55
 1,1,2-Trichloroethane
 Concen: 5.130 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	22453
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.1	105.1
85	51.8	45.1	67.7
99	69.7	50.6	75.8

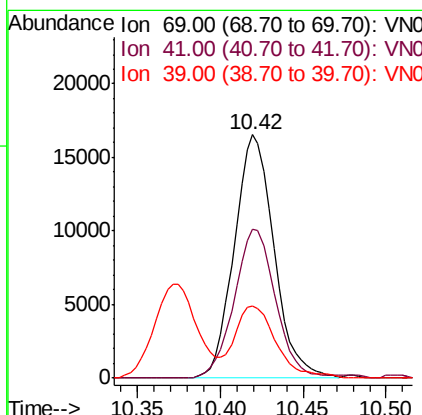
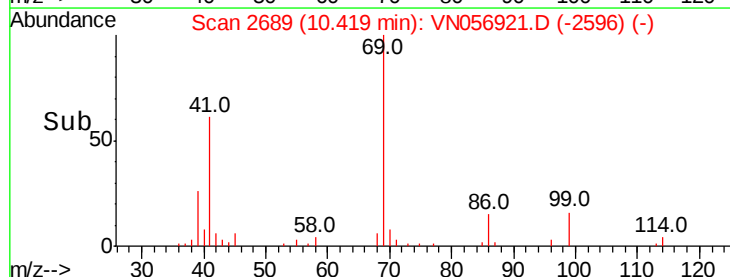
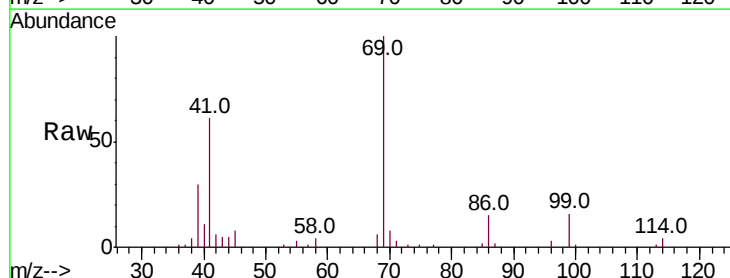
Manual Integrations
 APPROVED

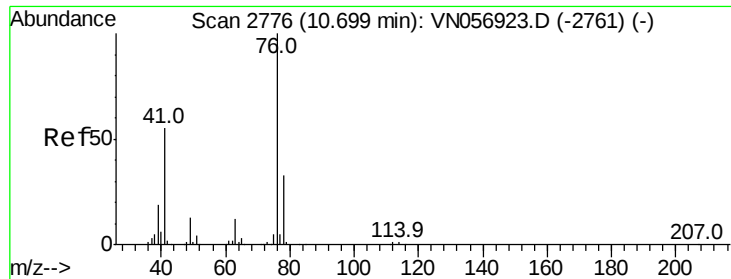
MMDadoda
 7/26/2019 3:36:45 PM



#56
 Ethyl methacrylate
 Concen: 4.562 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion:	69	Resp:	27563
Ion	Ratio	Lower	Upper
69	100		
41	63.3	49.7	74.5
39	31.0	23.6	35.4





#57

1,3-Dichloropropane

Concen: 5.092 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 36859

Ion Ratio Lower Upper

76 100

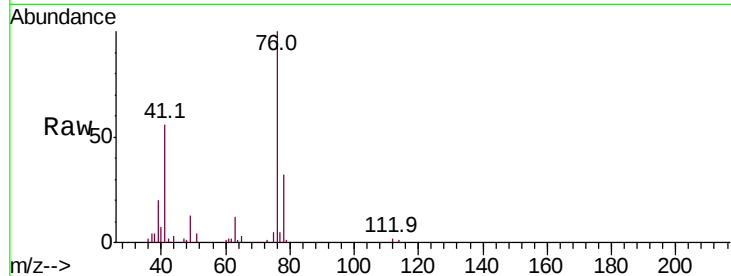
78 31.2 25.8 38.8

Manual Integrations

APPROVED

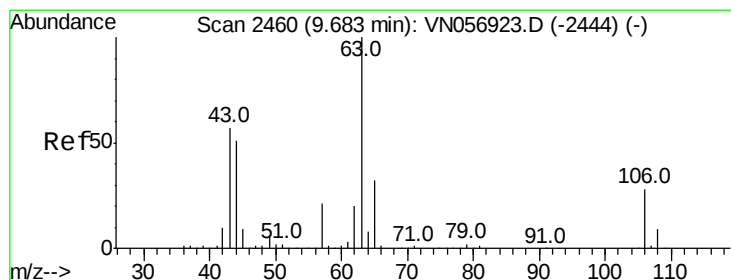
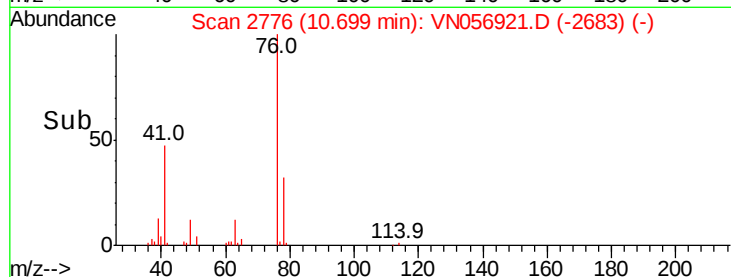
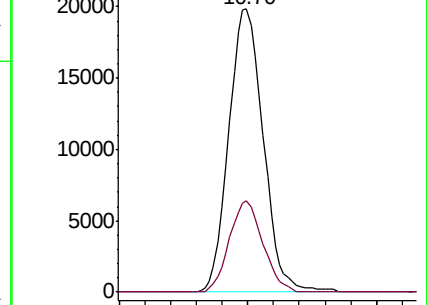
MMDadoda

7/26/2019 3:36:45 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 20.154 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN056921.D

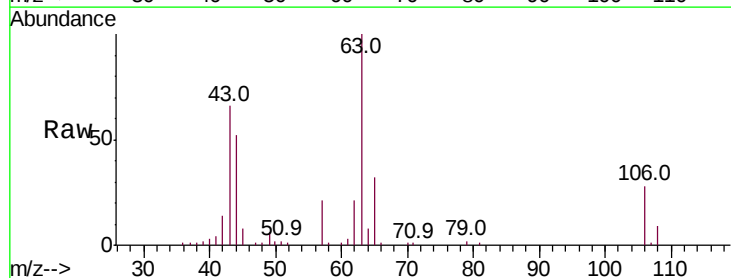
Acq: 25 Jul 2019 14:28

Tgt Ion: 63 Resp: 50731

Ion Ratio Lower Upper

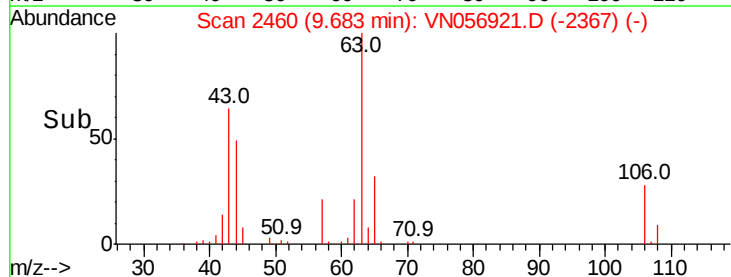
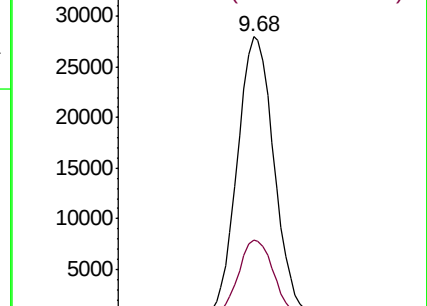
63 100

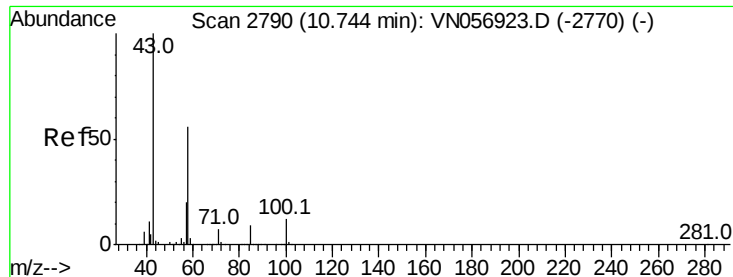
106 27.8 22.2 33.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





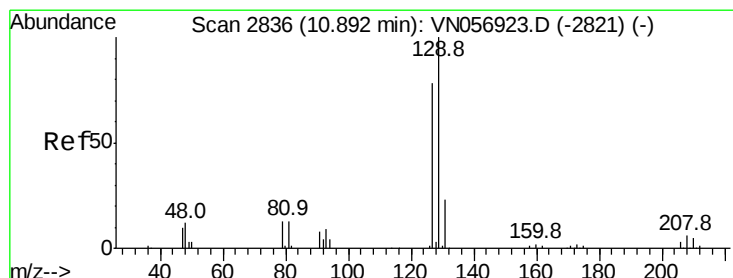
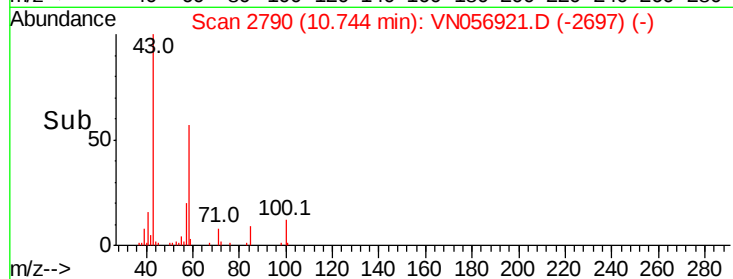
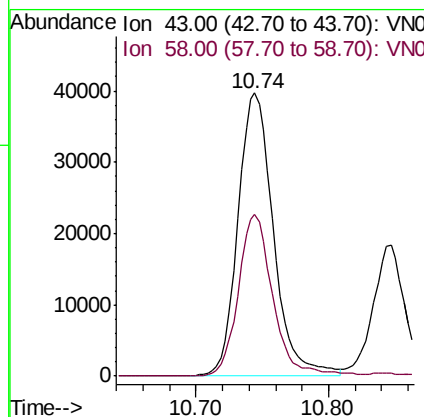
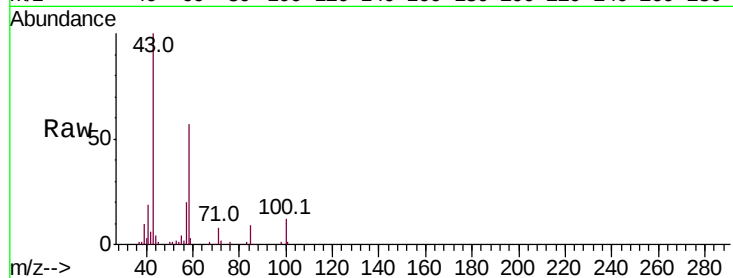
#59
2-Hexanone
Concen: 22.052 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 73930
Ion Ratio Lower Upper
43 100
58 55.6 28.2 84.6

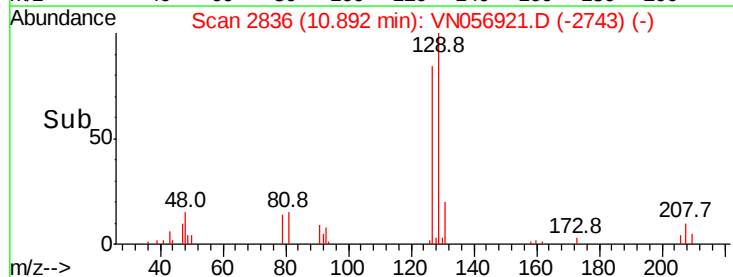
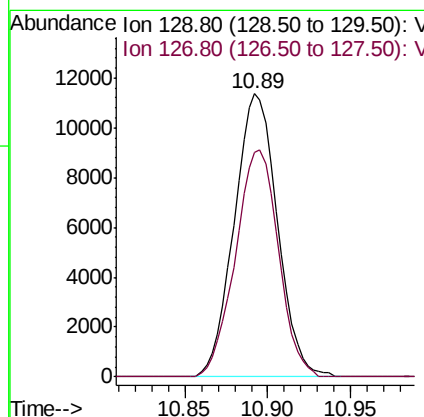
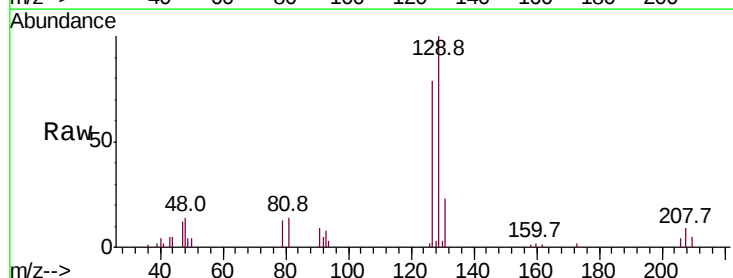
Manual Integrations
APPROVED

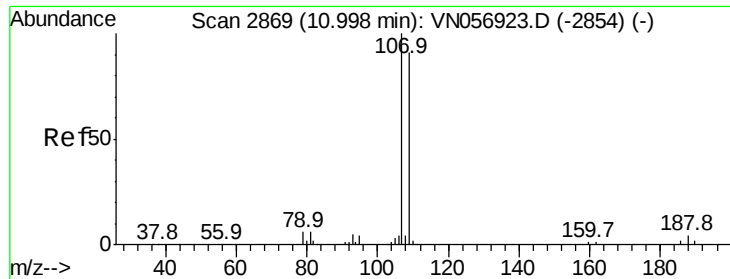
MMDadoda
7/26/2019 3:36:45 PM



#60
Dibromochloromethane
Concen: 4.681 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 129 Resp: 20569
Ion Ratio Lower Upper
129 100
127 79.9 38.4 115.2





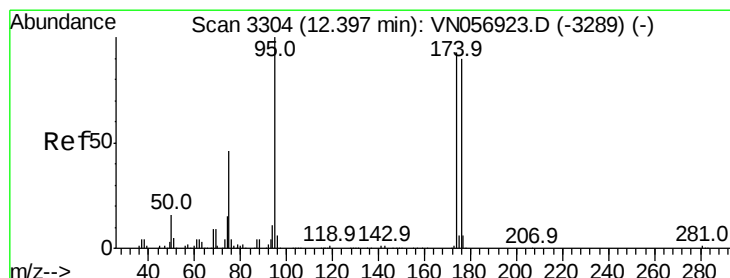
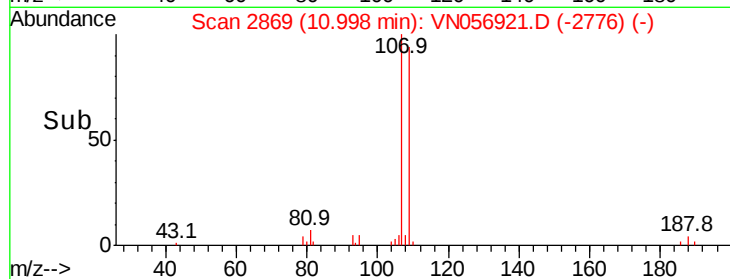
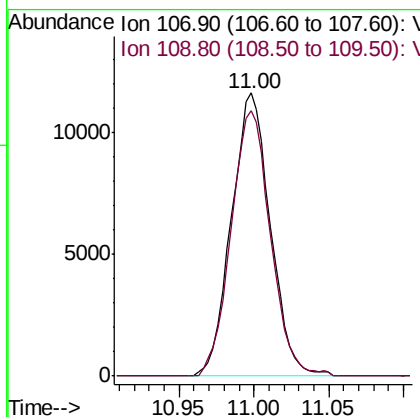
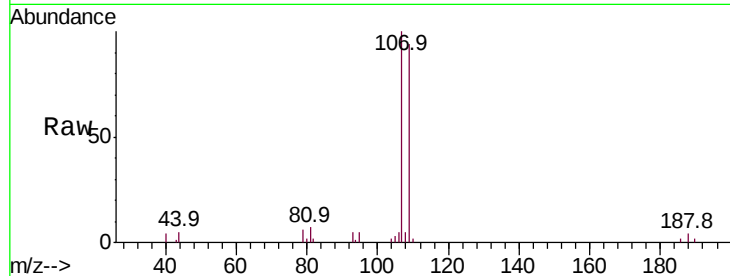
#61
 1,2-Dibromoethane
 Concen: 4.847 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	74.8	112.2

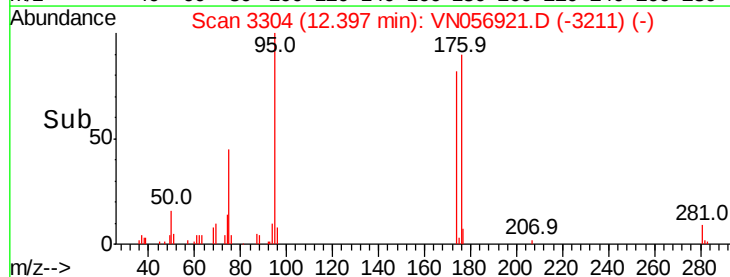
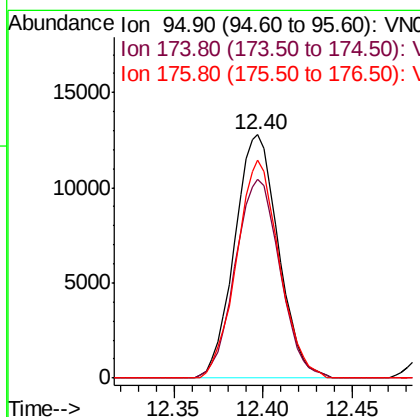
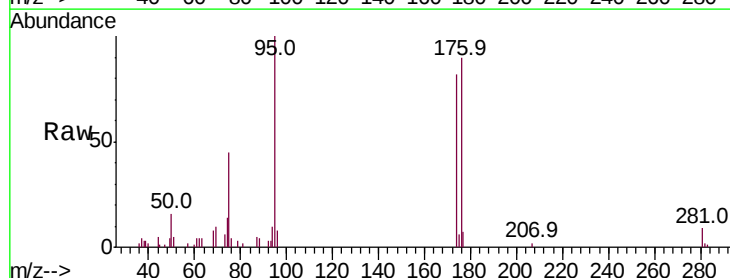
Manual Integrations
 APPROVED

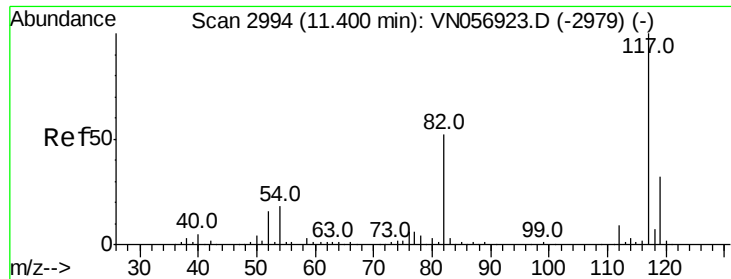
MMDadoda
 7/26/2019 3:36:45 PM



#62
 4-Bromofluorobenzene
 Concen: 4.269 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	186.2
176	87.2	0.0	179.6





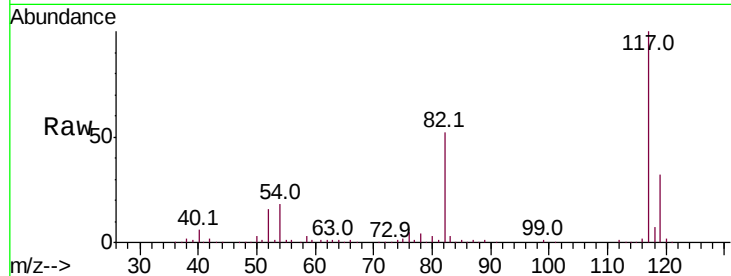
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.7	62.5
119	32.3	25.5	38.3

Manual Integrations
APPROVED

MMDadoda
7/26/2019 3:36:45 PM

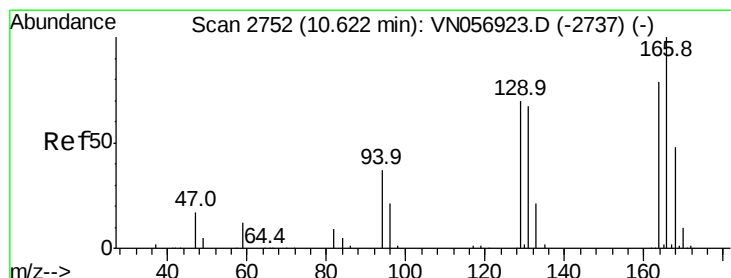
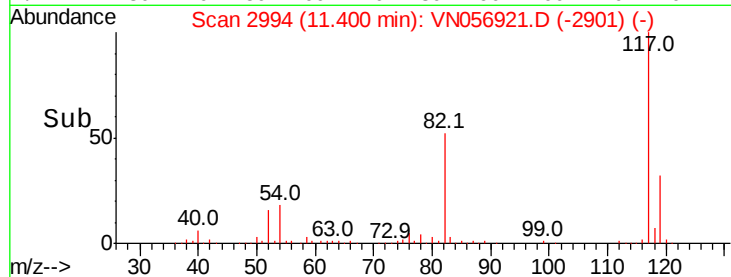
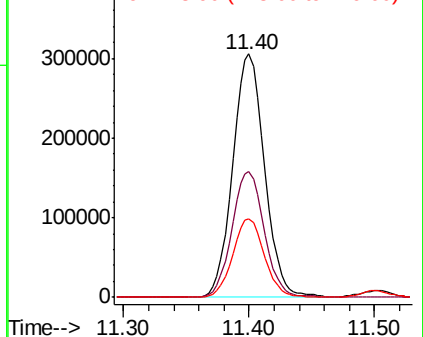


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.719 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	101.6	152.4
129	86.7	70.9	106.3
131	85.3	68.4	102.6

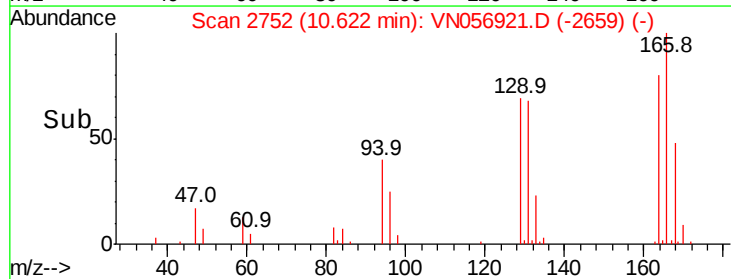
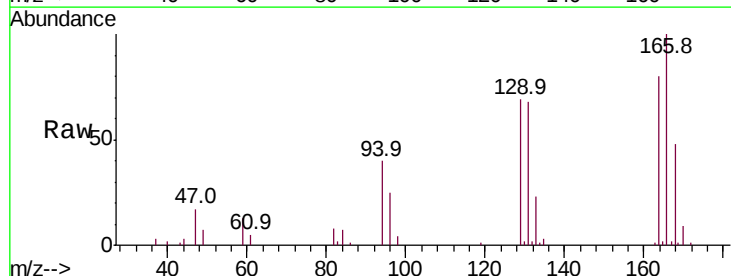
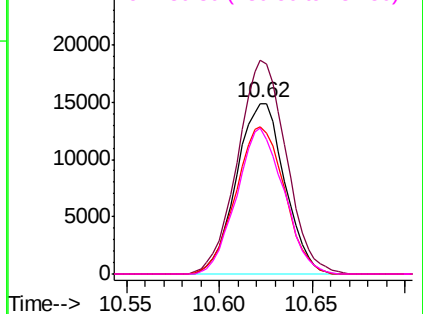
Abundance

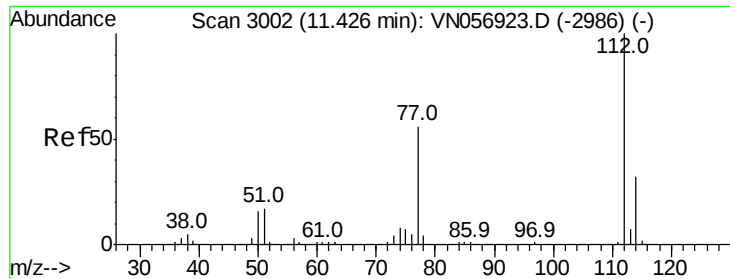
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 5.130 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 57763

Ion Ratio Lower Upper

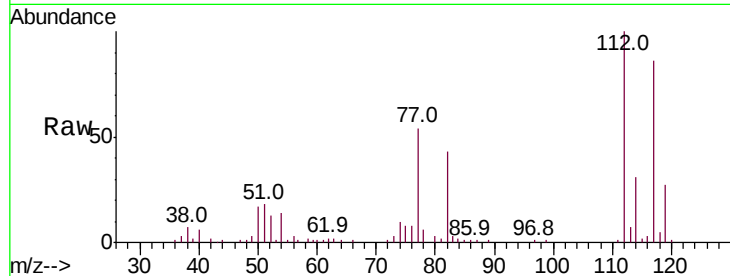
112 100

114 30.7 25.8 38.8

Manual Integrations
APPROVED

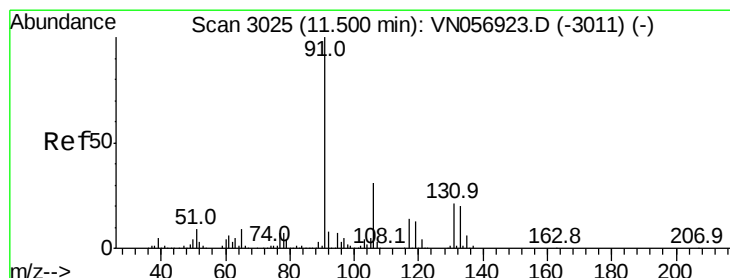
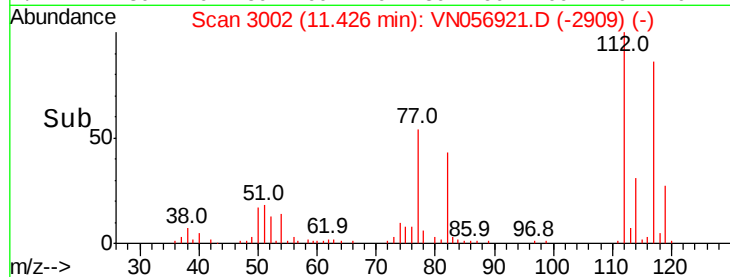
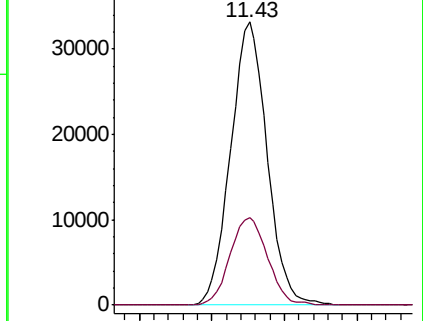
MMDadoda

7/26/2019 3:36:45 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.784 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

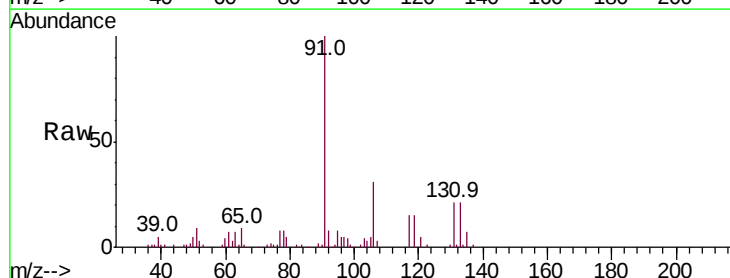
Tgt Ion:131 Resp: 20325

Ion Ratio Lower Upper

131 100

133 100.6 47.1 141.4

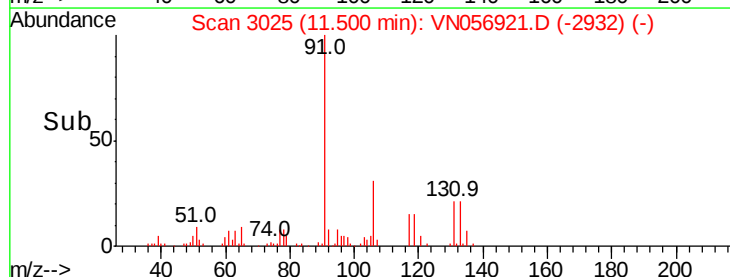
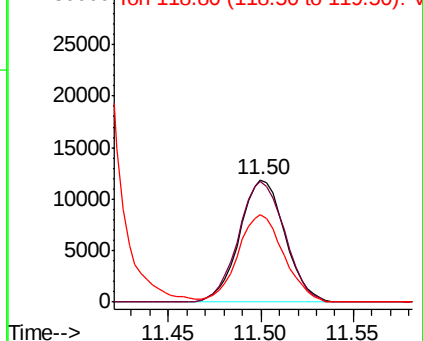
119 72.0 32.6 98.0

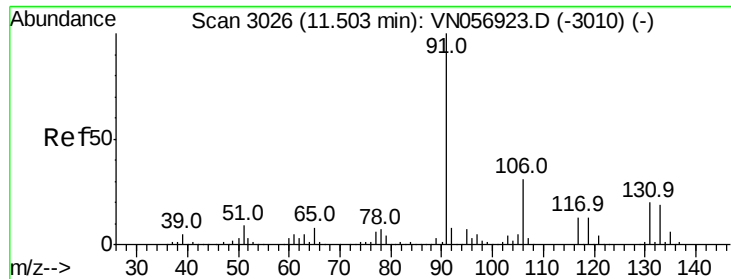


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





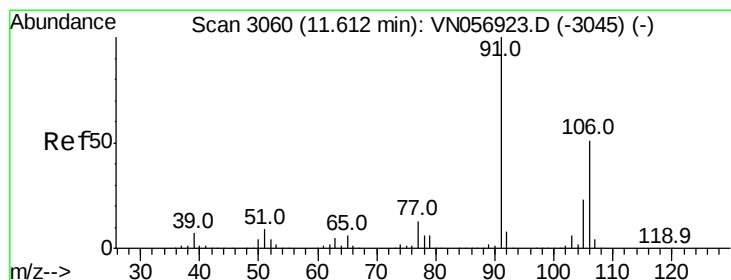
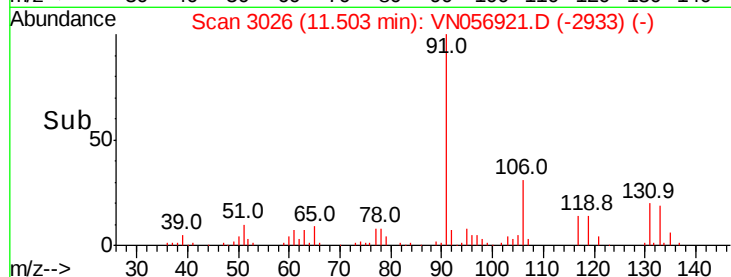
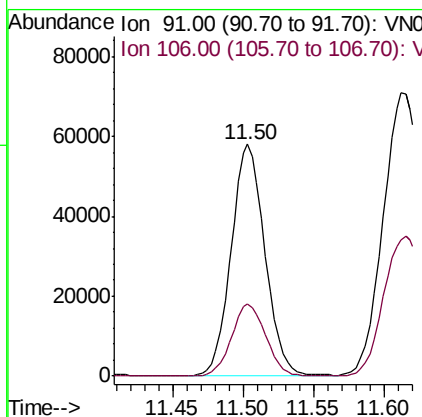
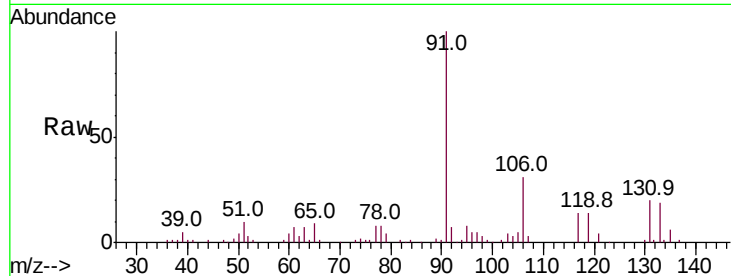
#67
Ethyl Benzene
Concen: 4.993 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 97154
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

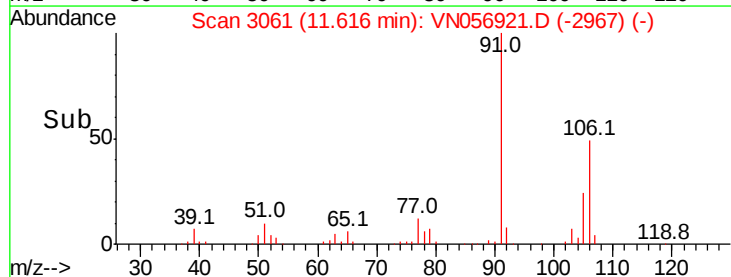
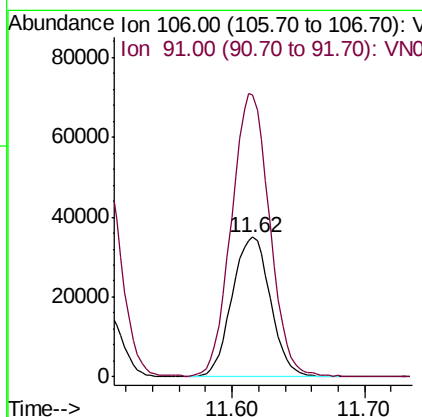
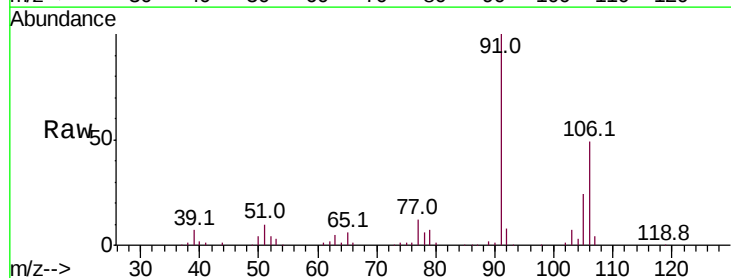
Manual Integrations
APPROVED

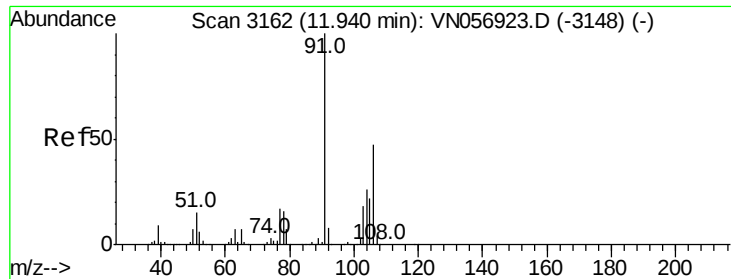
MMDadoda
7/26/2019 3:36:45 PM



#68
m/p-Xylenes
Concen: 9.689 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 106 Resp: 70598
Ion Ratio Lower Upper
106 100
91 199.5 159.6 239.4





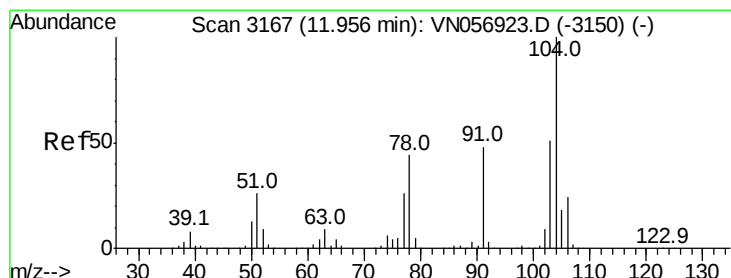
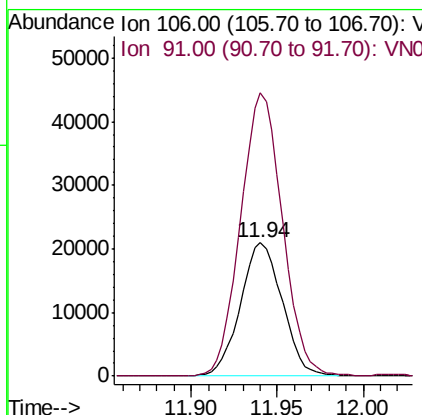
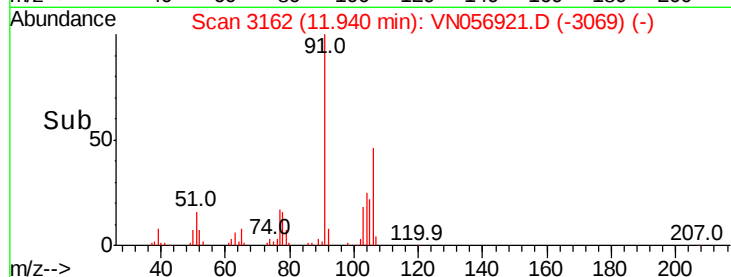
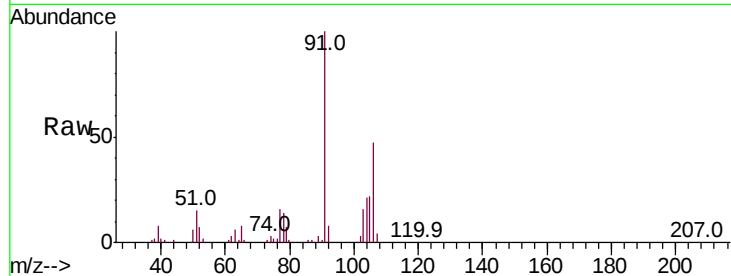
#69
o-Xylene
Concen: 4.998 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 35470
Ion Ratio Lower Upper
106 100
91 212.1 105.7 317.0

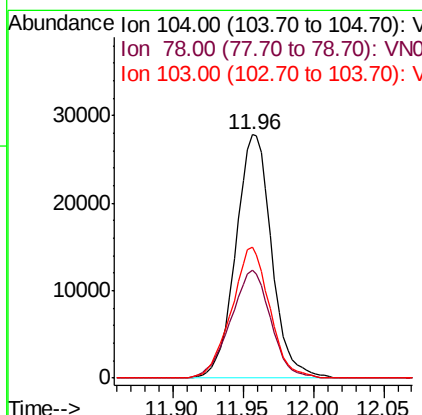
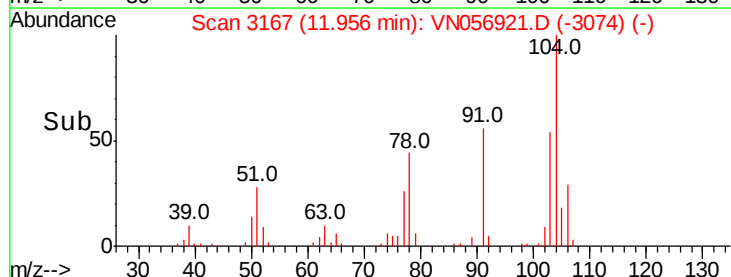
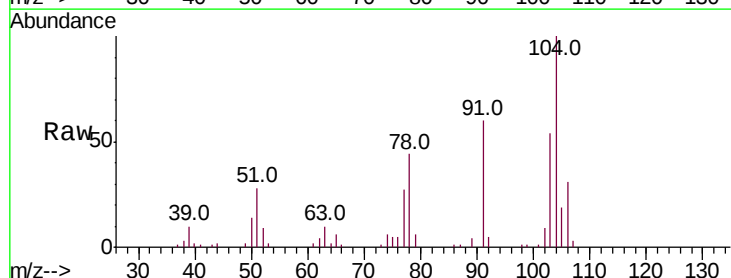
Manual Integrations
APPROVED

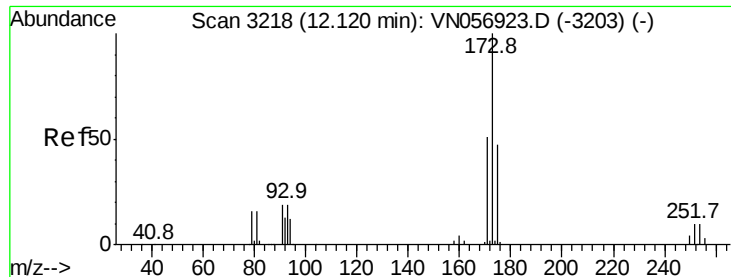
MMDadoda
7/26/2019 3:36:45 PM



#70
Styrene
Concen: 4.383 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion:104 Resp: 49603
Ion Ratio Lower Upper
104 100
78 49.2 38.5 57.7
103 57.1 44.1 66.1





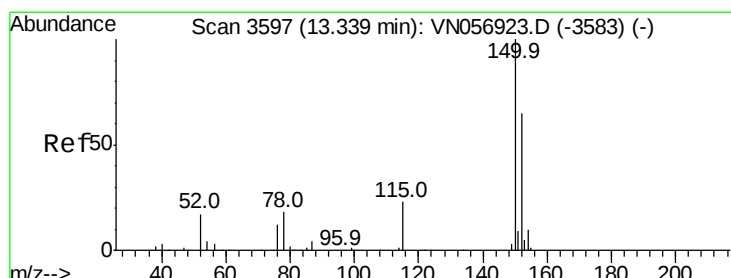
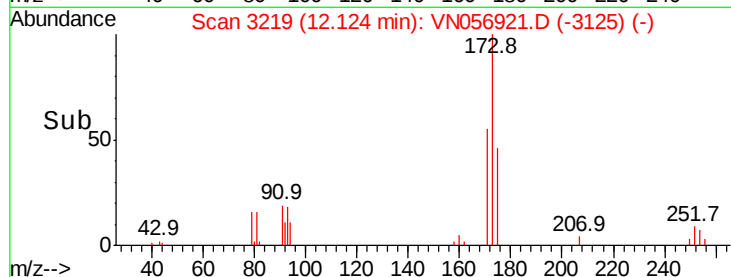
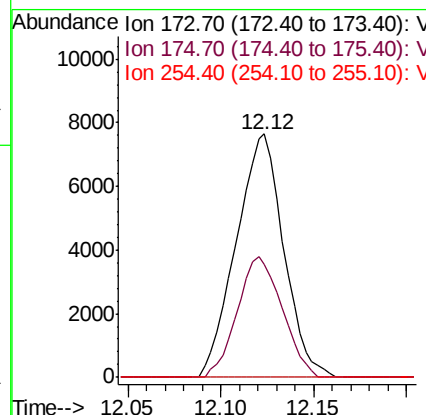
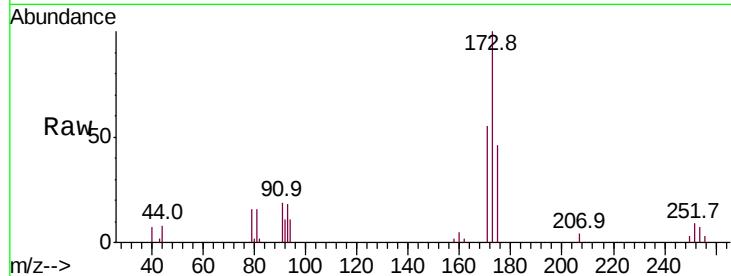
#71
Bromoform
Concen: 4.639 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.2	72.6
254	0.0	0.1	0.1#

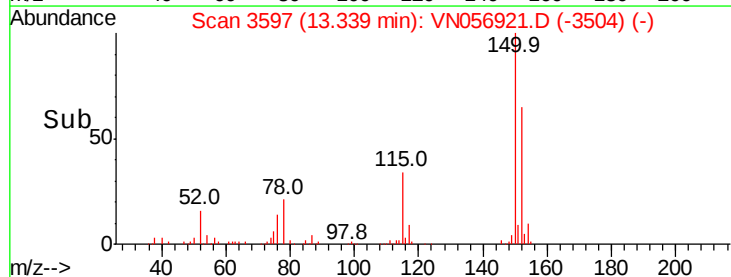
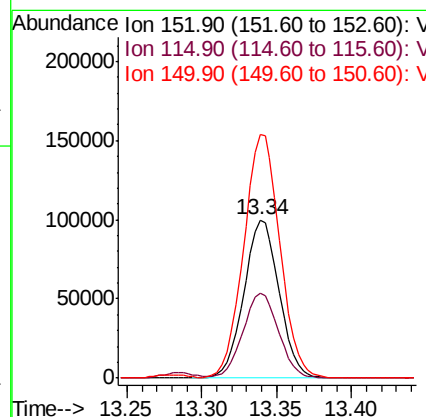
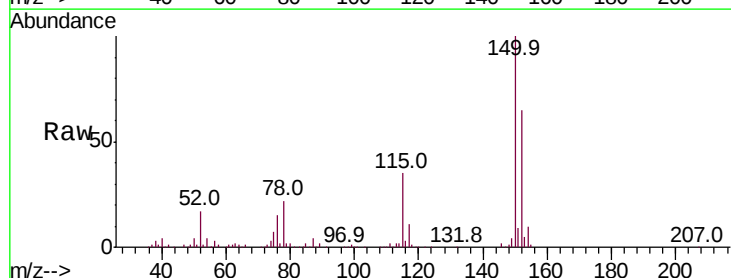
Manual Integrations
APPROVED

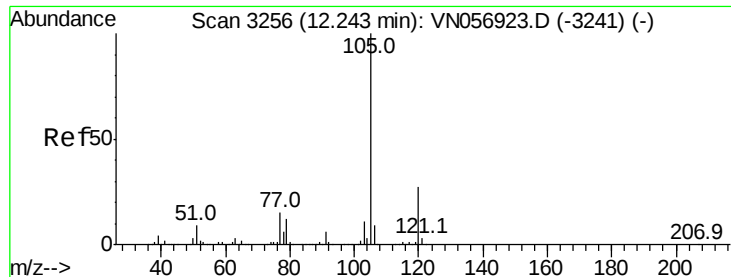
MMDadoda
7/26/2019 3:36:45 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.9	83.7
150	158.7	0.0	354.2





#73

Isopropylbenzene

Concen: 6.359 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 91685

Ion Ratio Lower Upper

105 100

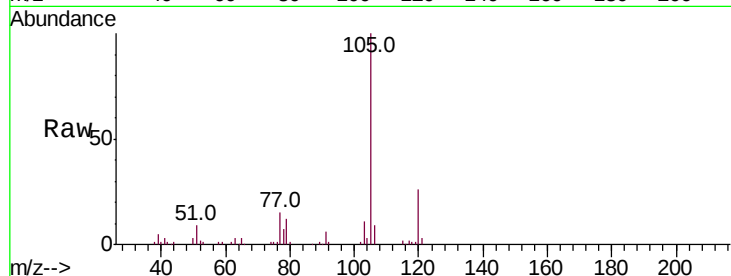
120 26.7 13.4 40.1

Manual Integrations

APPROVED

MMDadoda

7/26/2019 3:36:45 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

60000

50000

40000

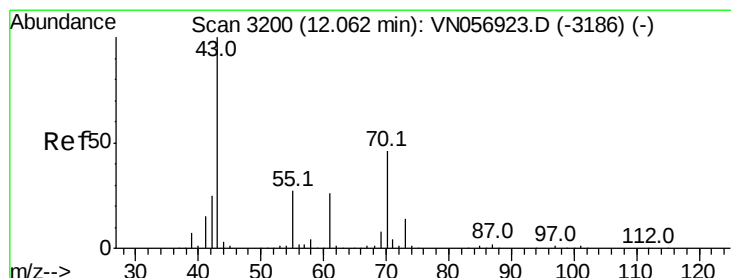
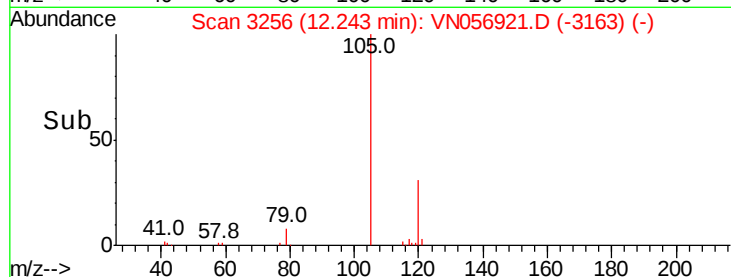
30000

20000

10000

0

Time-->



#74

N-ethyl acetate

Concen: 5.123 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Tgt Ion: 43 Resp: 24450

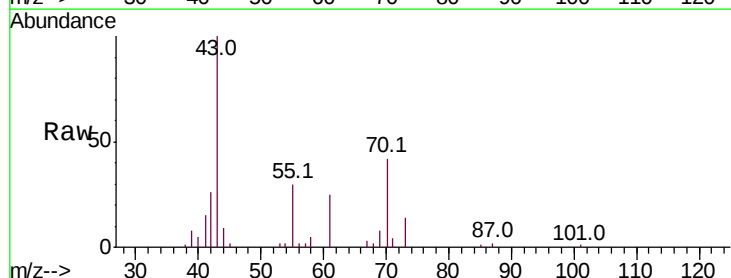
Ion Ratio Lower Upper

43 100

70 42.0 35.9 53.9

55 29.6 21.4 32.2

61 24.3 20.3 30.5



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

12.06

20000

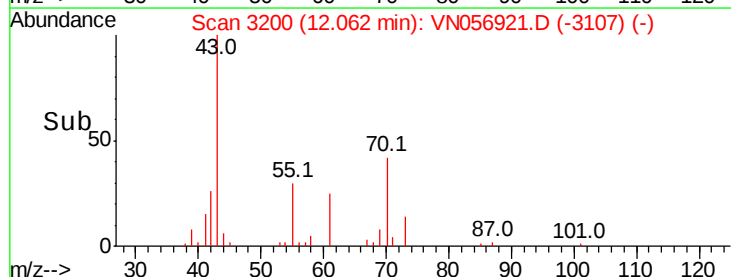
15000

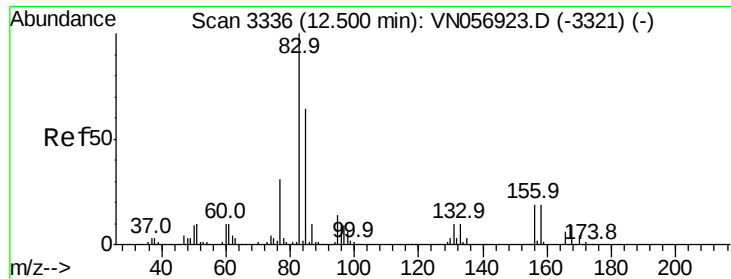
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 6.507 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

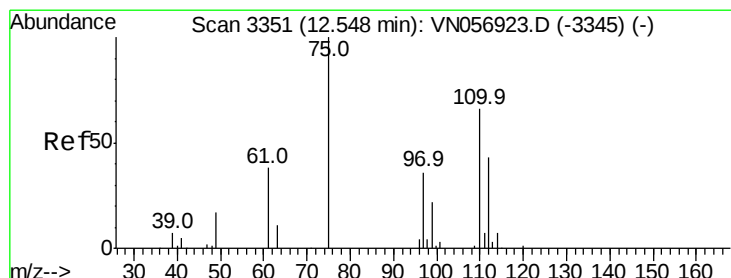
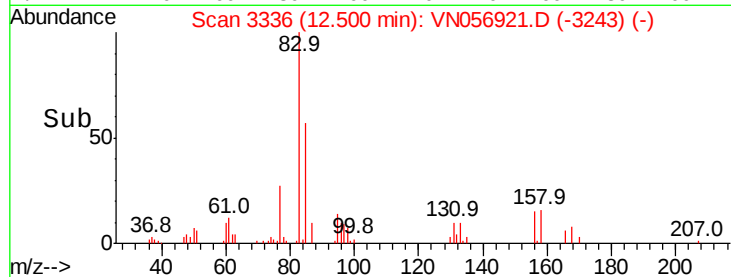
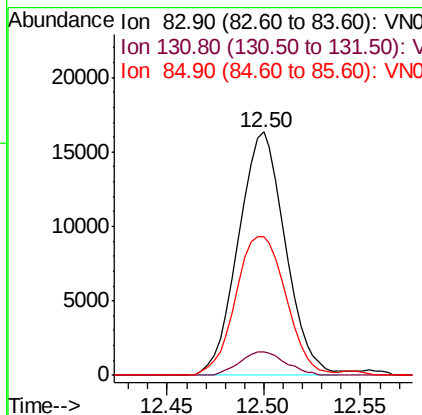
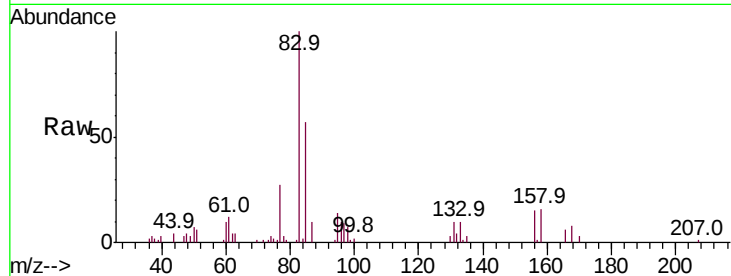
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	27571
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.3	15.8
85	61.2	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
7/26/2019 3:36:45 PM



#76

1,2,3-Trichloropropane

Concen: 5.710 ug/l m

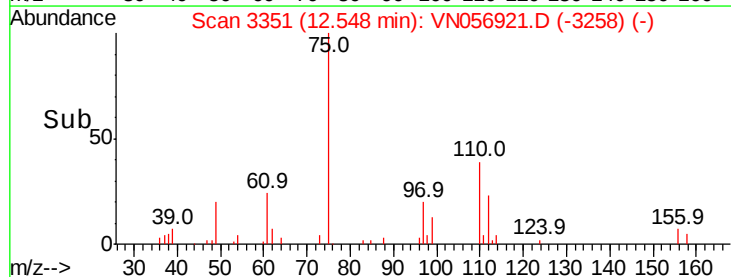
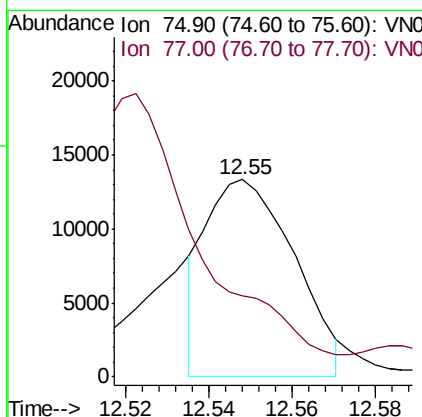
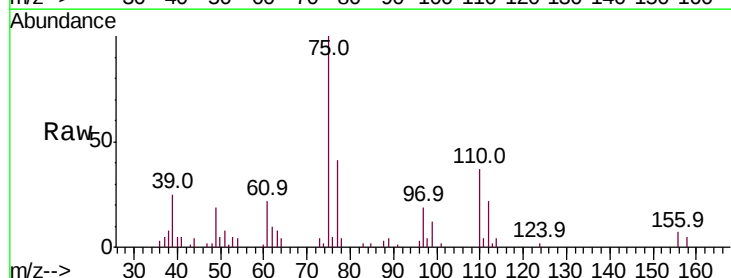
RT: 12.55 min Scan# 3351

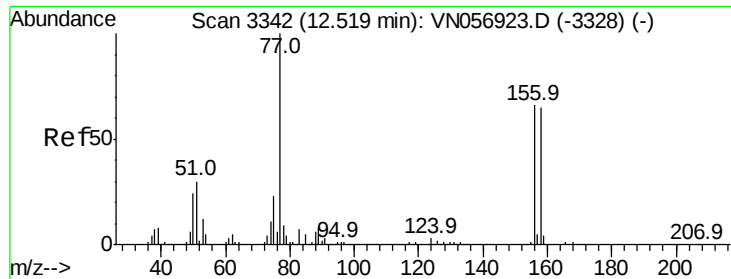
Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Tgt Ion:	75	Resp:	19685
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 6.370 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 22914

Ion Ratio Lower Upper

156 100

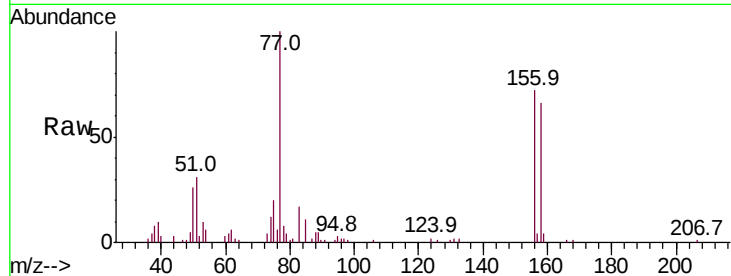
77 181.3 90.8 272.3

158 94.0 49.5 148.5

Manual Integrations
APPROVED

MMDadoda

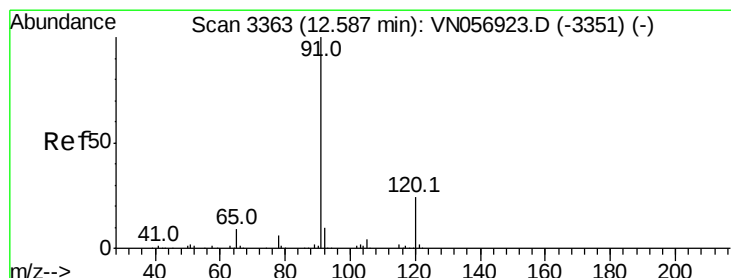
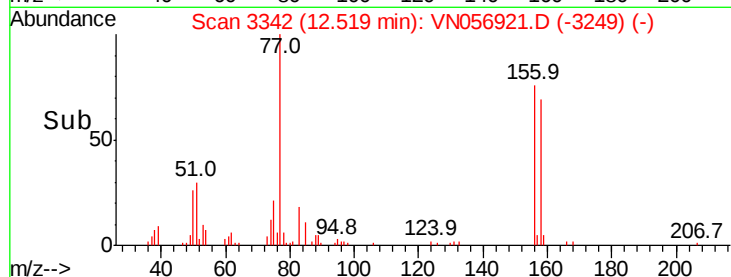
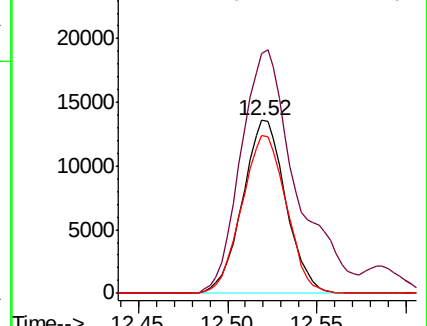
7/26/2019 3:36:45 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.862 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN056921.D

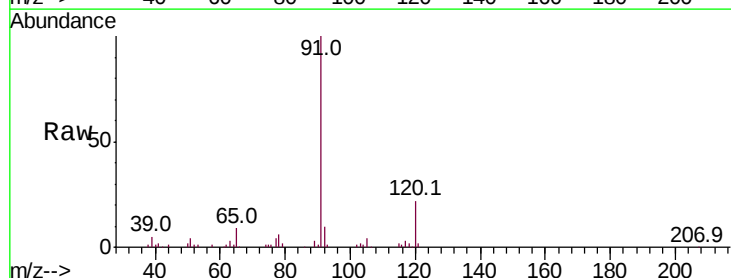
Acq: 25 Jul 2019 14:28

Tgt Ion: 91 Resp: 89171

Ion Ratio Lower Upper

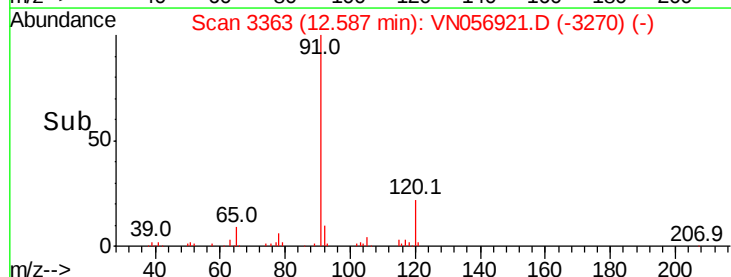
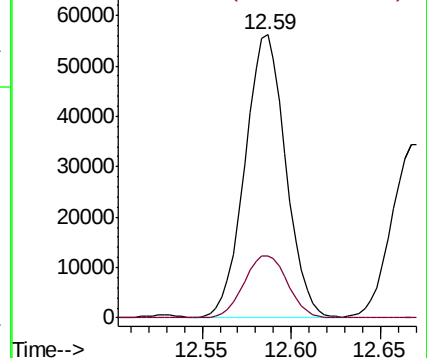
91 100

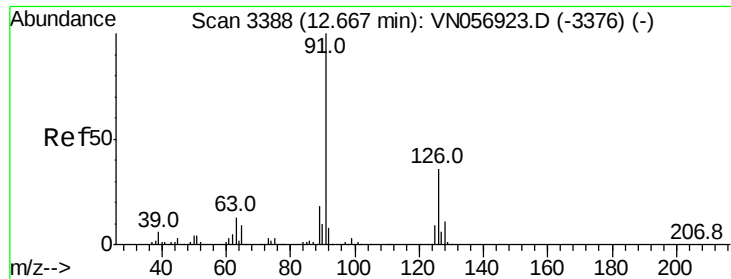
120 23.5 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





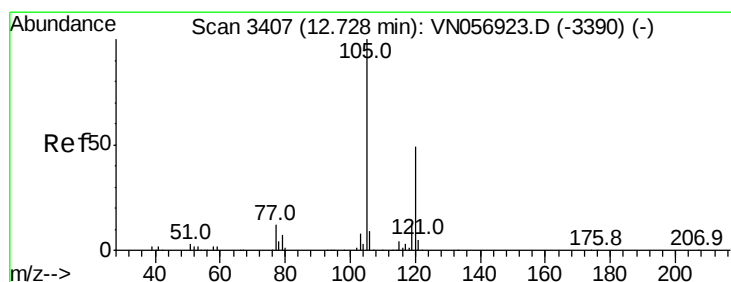
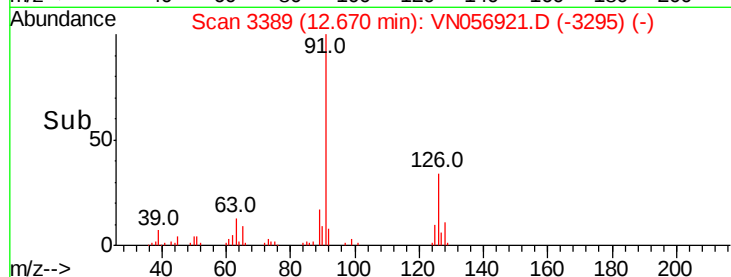
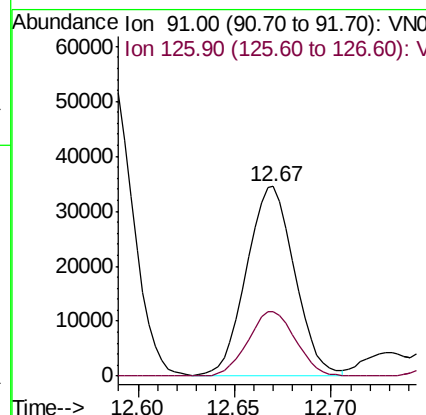
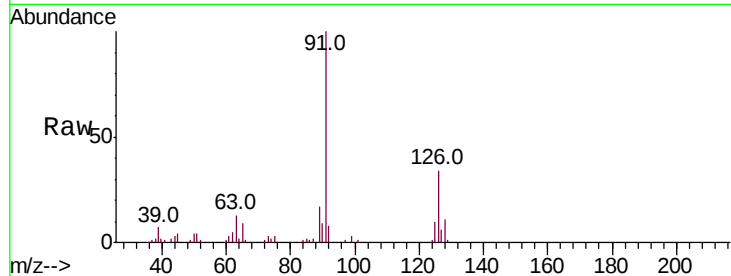
#79
 2-Chlorotoluene
 Concen: 6.251 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 59418
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.9 53.7

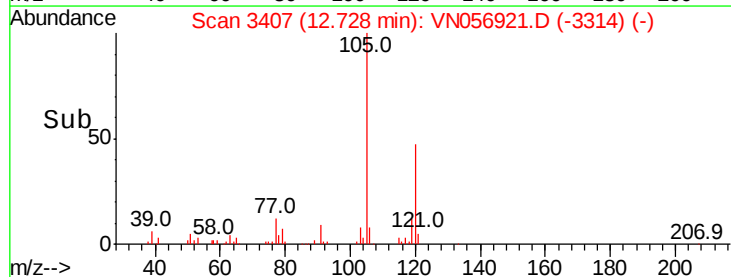
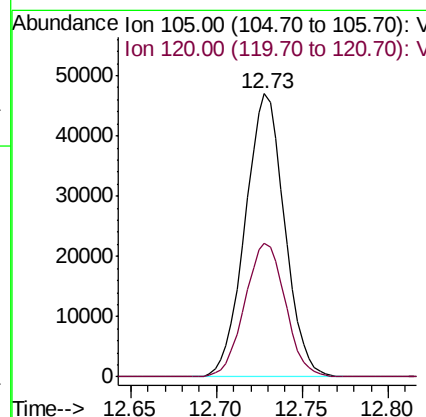
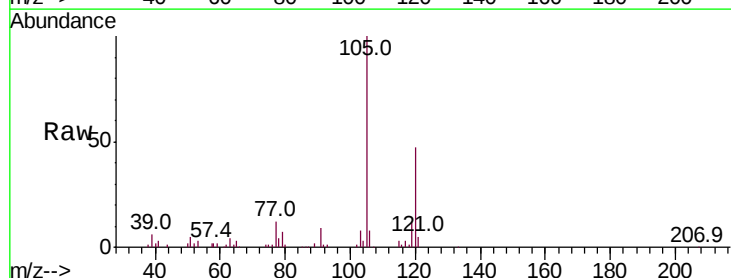
Manual Integrations
 APPROVED

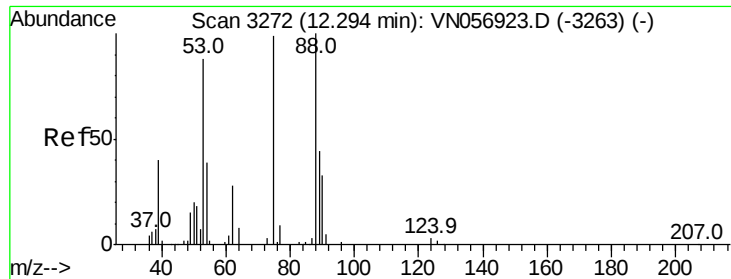
MMDadoda
 7/26/2019 3:36:45 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 6.220 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion: 105 Resp: 74746
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 4.854 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 5143

Ion Ratio Lower Upper

75 100

53 116.4 72.3 108.5#

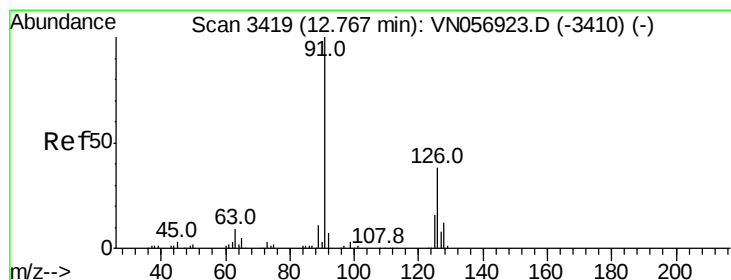
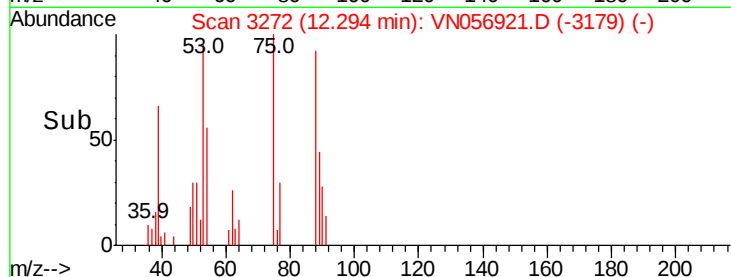
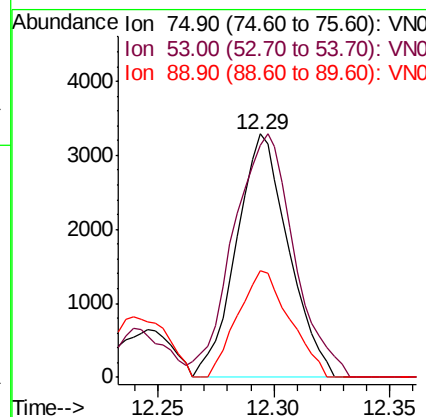
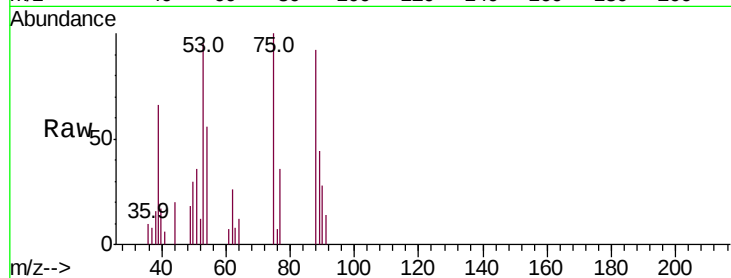
89 43.9 36.2 54.2

Manual Integrations

APPROVED

MMDadoda

7/26/2019 3:36:45 PM



#82

4-Chlorotoluene

Concen: 5.473 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN056921.D

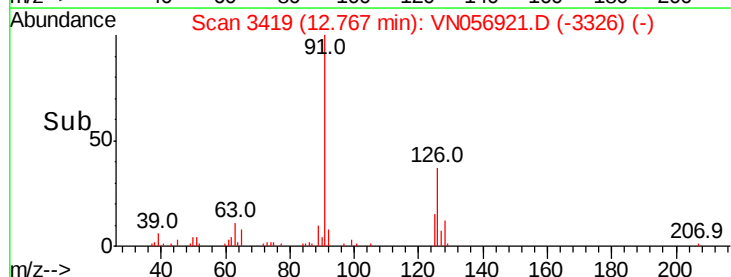
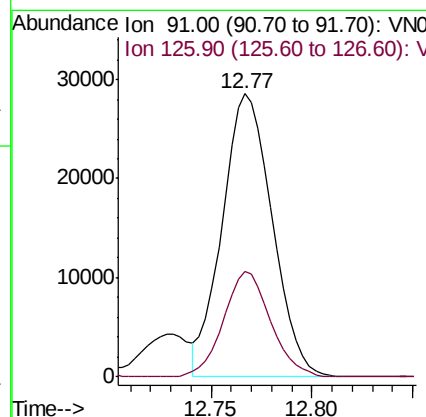
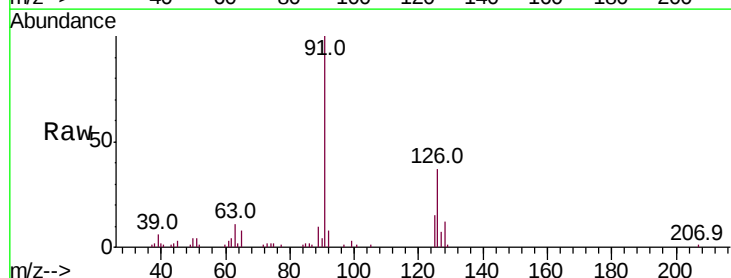
Acq: 25 Jul 2019 14:28

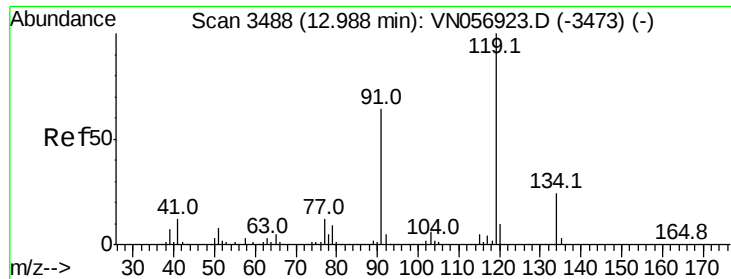
Tgt Ion: 91 Resp: 49410

Ion Ratio Lower Upper

91 100

126 35.0 17.3 51.7





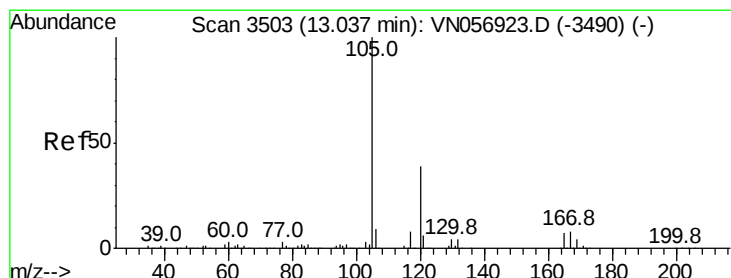
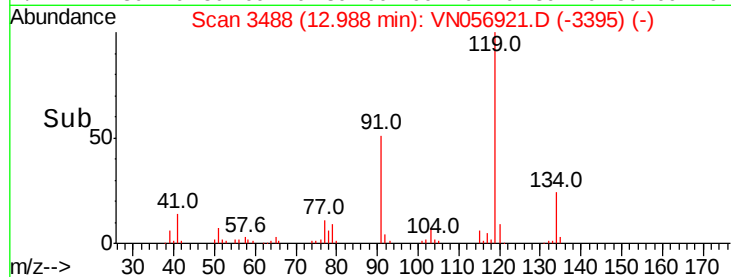
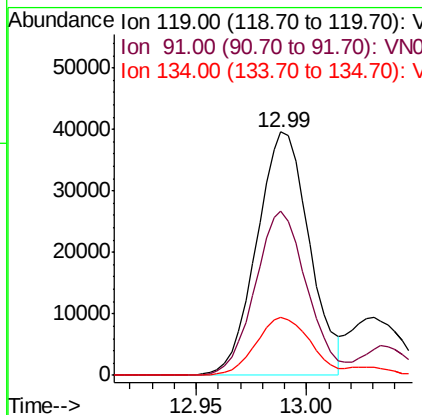
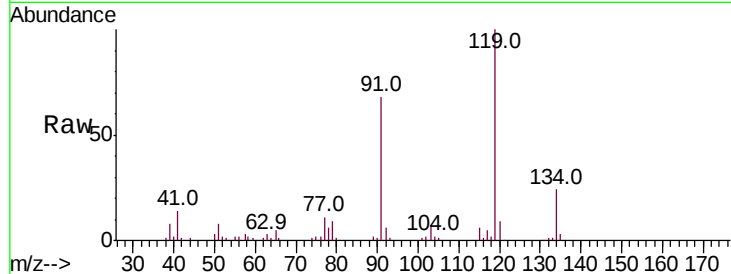
#83
tert-Butylbenzene
Concen: 6.208 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	31.6	95.0
134	24.7	13.2	39.5

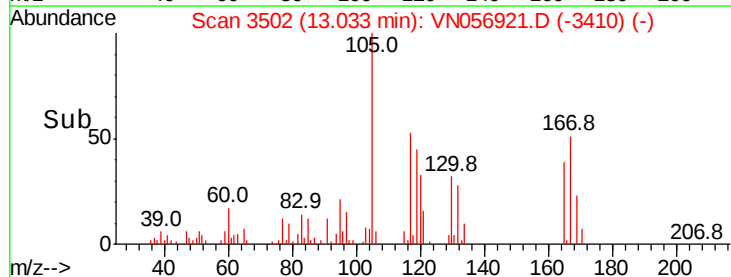
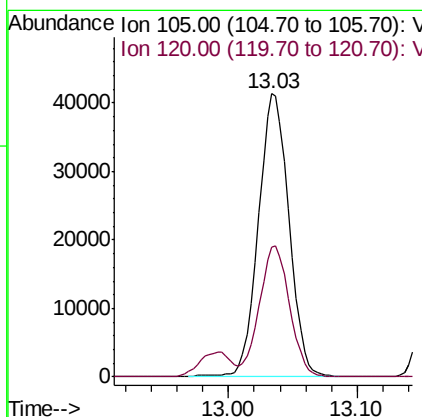
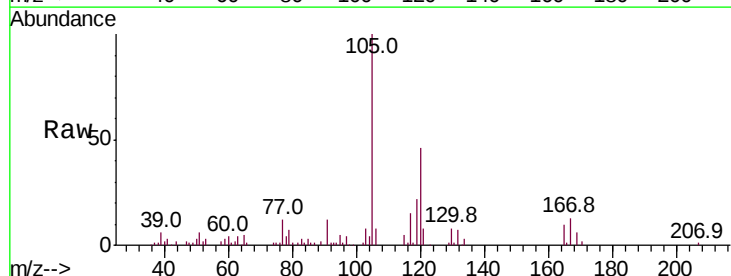
Manual Integrations
APPROVED

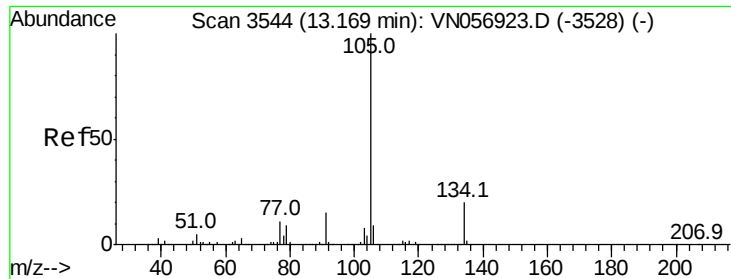
MMDadoda
7/26/2019 3:36:45 PM



#84
1,2,4-Trimethylbenzene
Concen: 5.981 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.1	69.2





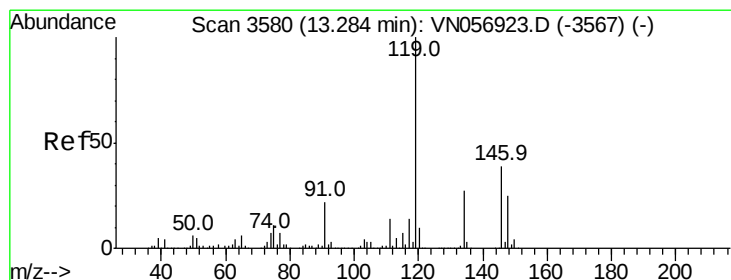
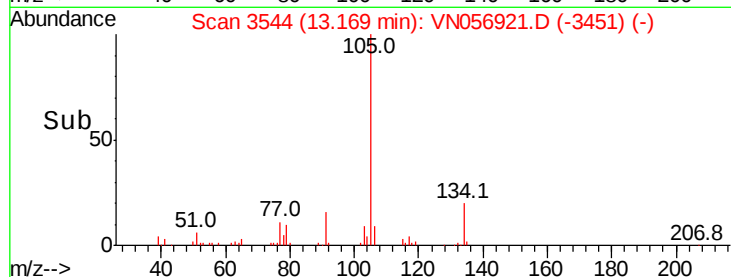
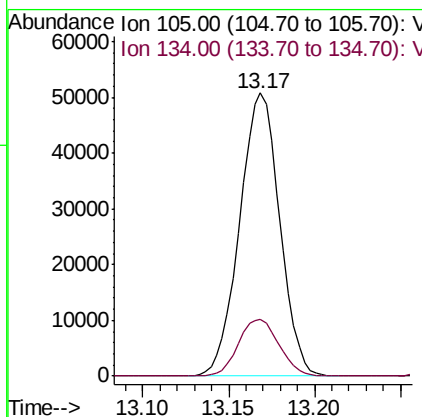
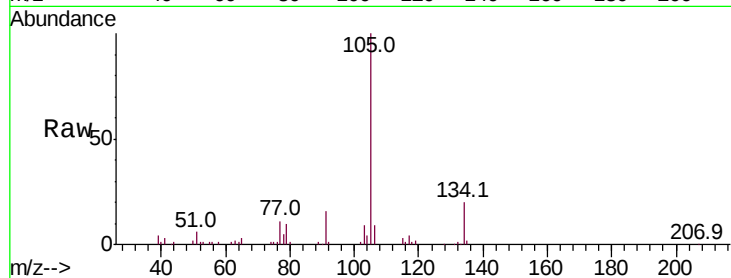
#85
 sec-Butylbenzene
 Concen: 6.078 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.3	30.8

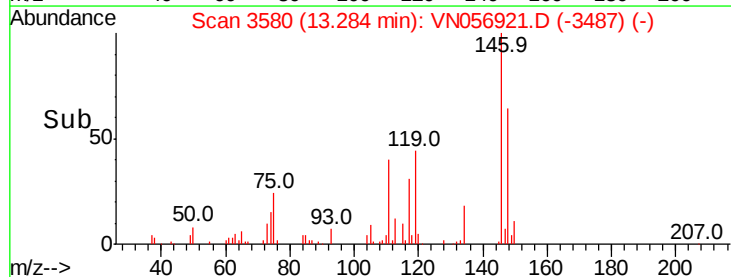
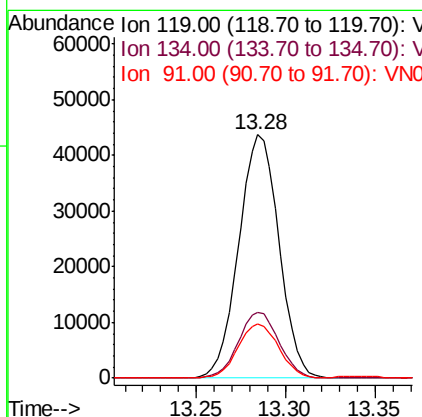
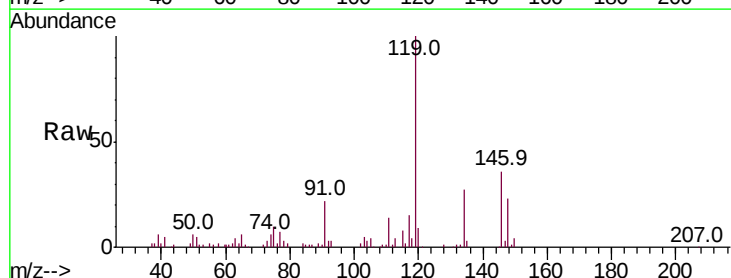
Manual Integrations
 APPROVED

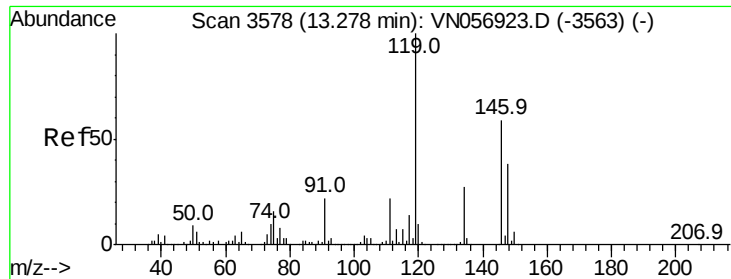
MMDadoda
 7/26/2019 3:36:45 PM



#86
 p-Isopropyltoluene
 Concen: 5.709 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.5	40.5
91	22.6	11.0	33.0





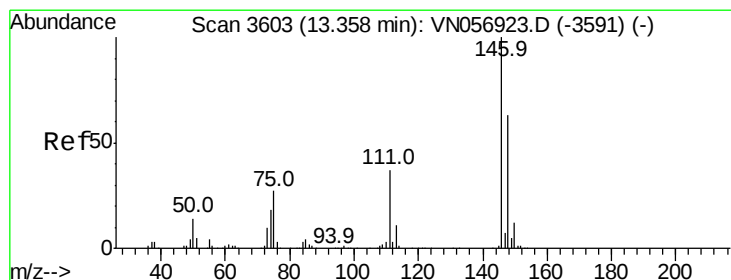
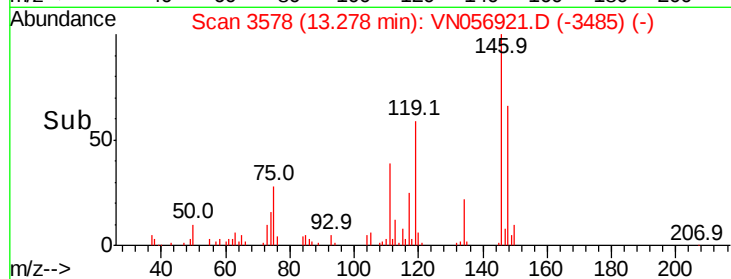
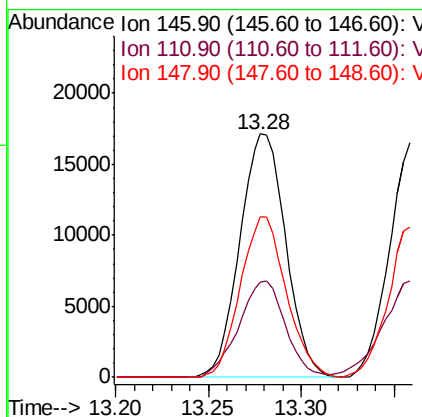
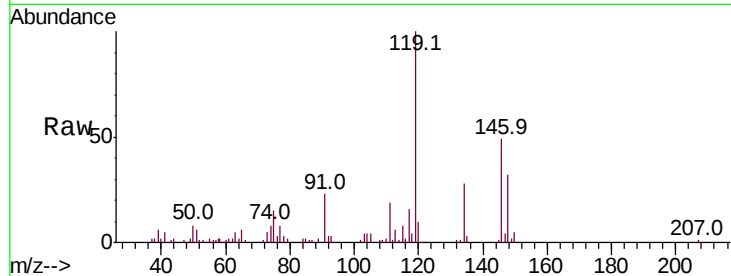
#87
 1,3-Dichlorobenzene
 Concen: 5.115 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	18.6	56.0
148	66.2	31.6	94.7

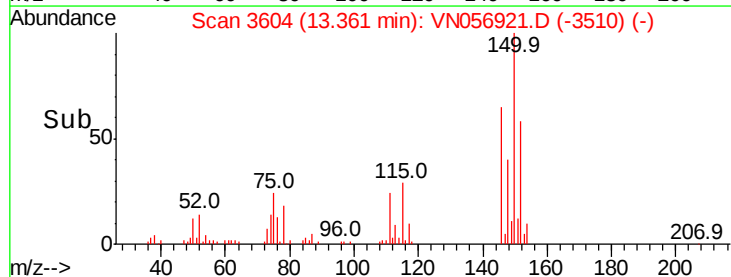
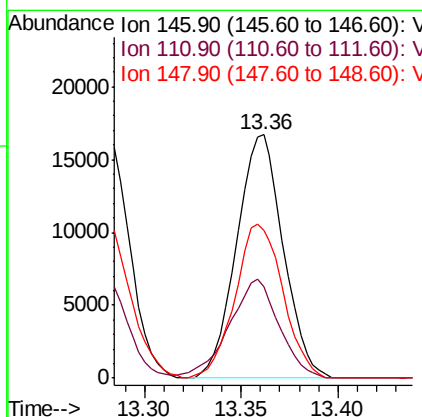
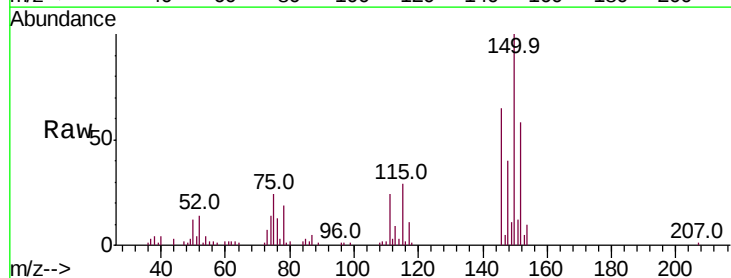
Manual Integrations
 APPROVED

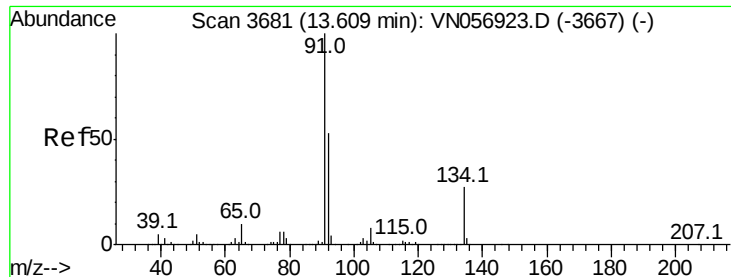
MMDadoda
 7/26/2019 3:36:45 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.004 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	18.9	56.5
148	65.1	32.1	96.3





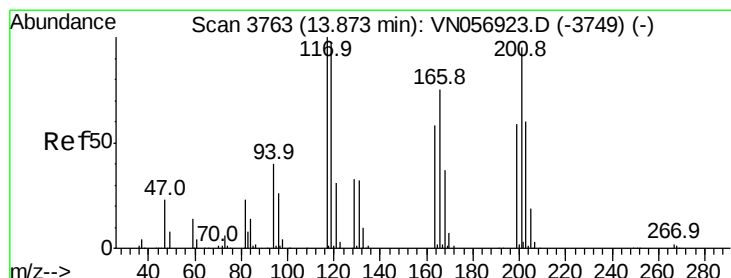
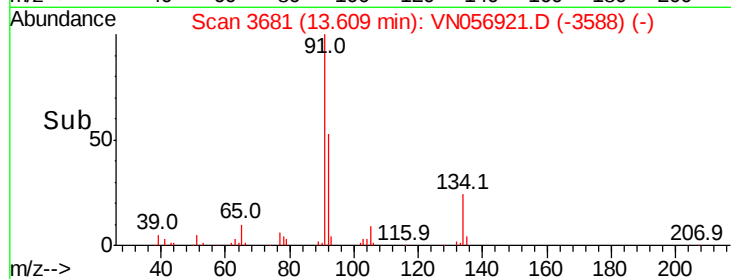
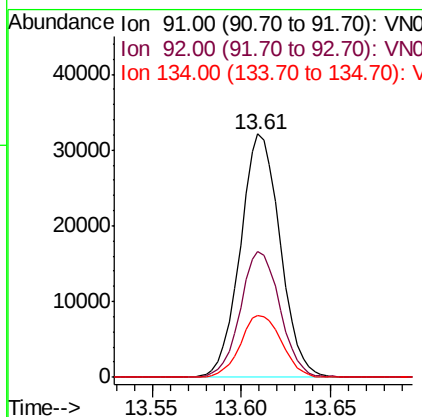
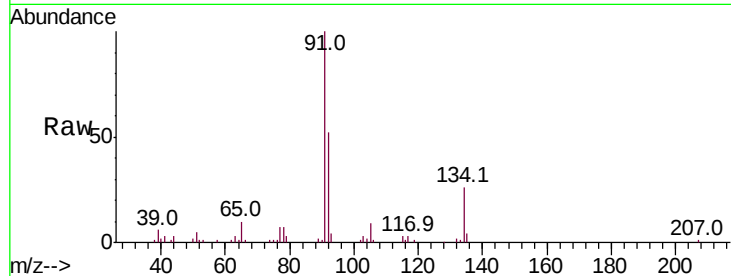
#89
n-Butylbenzene
Concen: 5.425 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.5	79.5
134	26.3	13.5	40.5

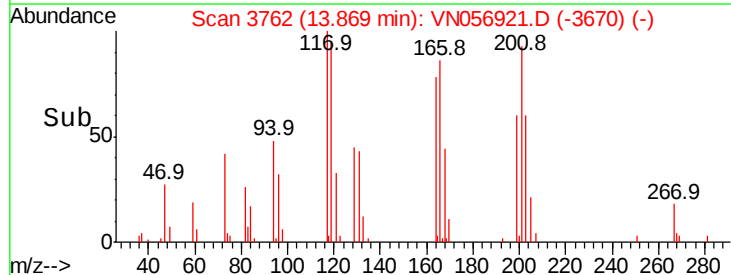
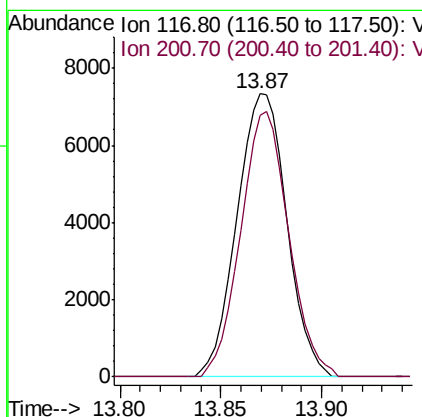
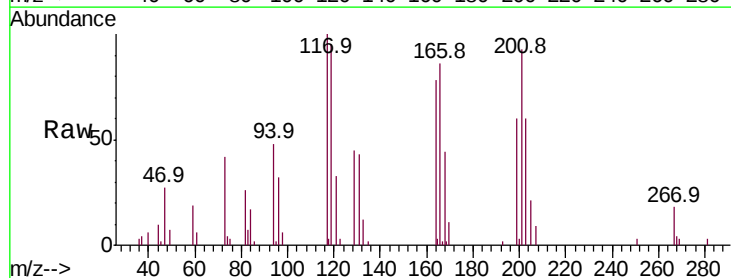
Manual Integrations
APPROVED

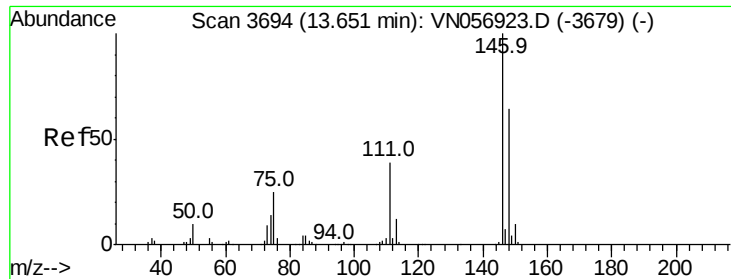
MMDadoda
7/26/2019 3:36:45 PM



#90
Hexachloroethane
Concen: 6.108 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.3	47.3	142.0





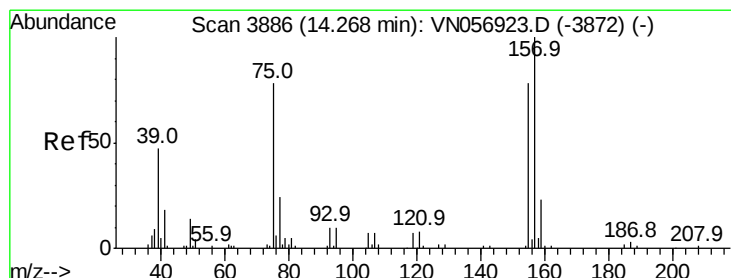
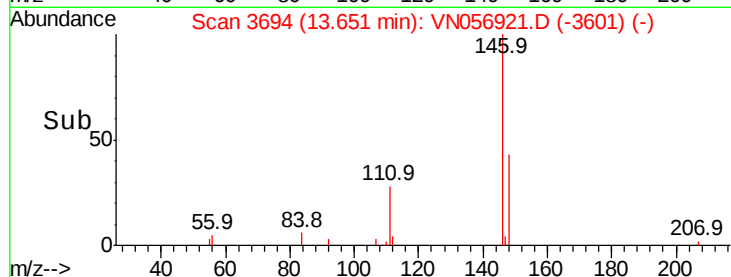
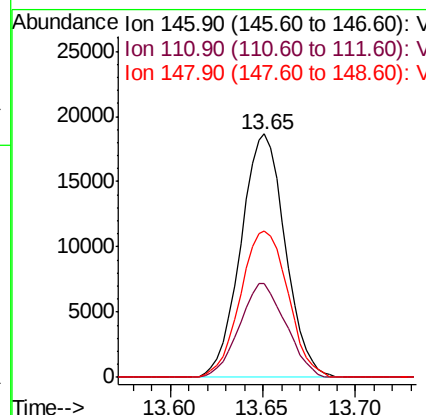
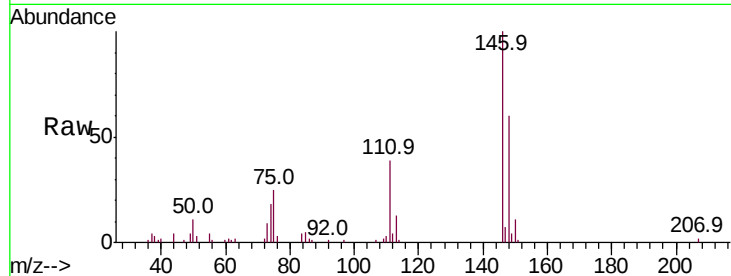
#91
 1,2-Dichlorobenzene
 Concen: 5.347 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.6	58.8
148	64.3	32.2	96.6

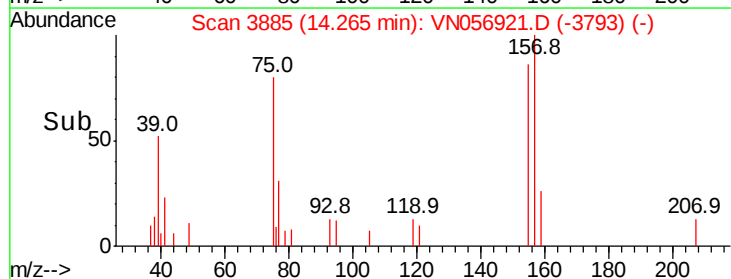
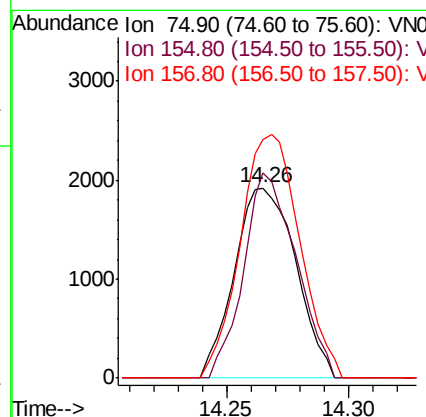
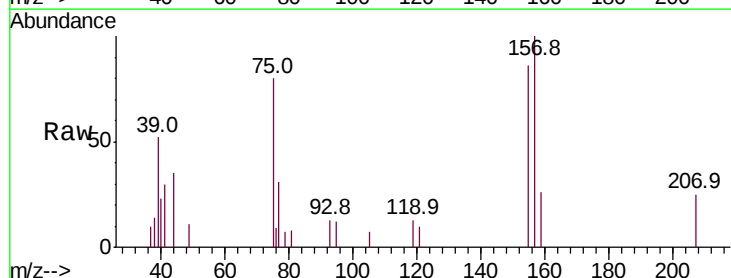
Manual Integrations
 APPROVED

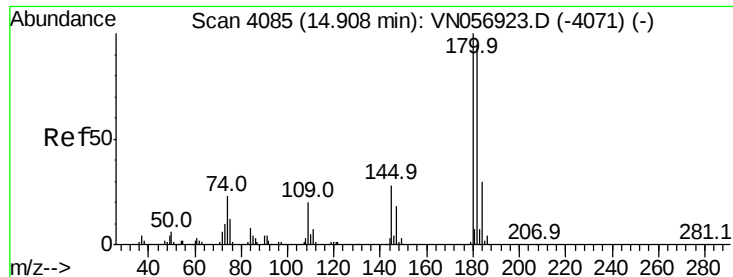
MMDadoda
 7/26/2019 3:36:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.355 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	47.3	141.9
157	124.1	63.0	189.0





#93

1,2,4-Trichlorobenzene

Concen: 3.202 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

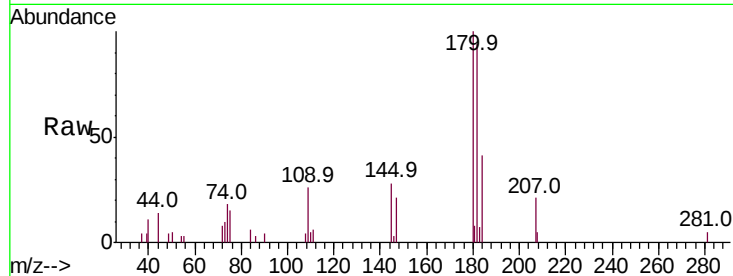
ClientSampleId :

VSTDIC005

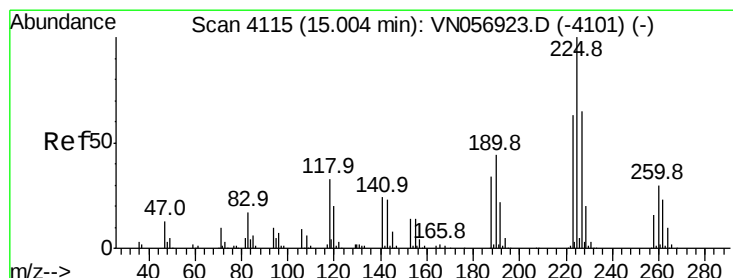
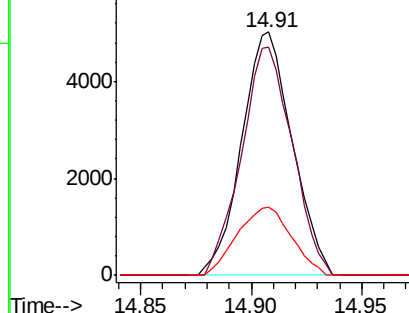
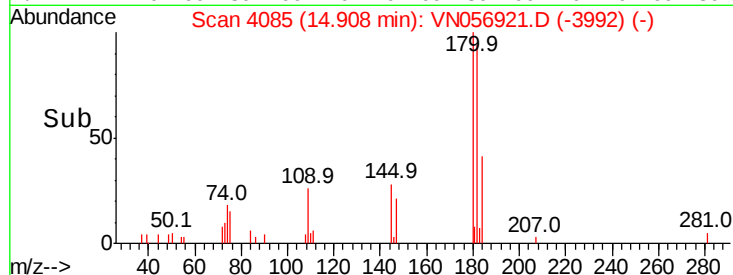
Tot Ion:	180	Resp:	7976
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.9	143.8
145	30.1	14.1	42.4

Manual Integrations
APPROVED

MMDadoda
7/26/2019 3:36:45 PM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 5.916 ug/l

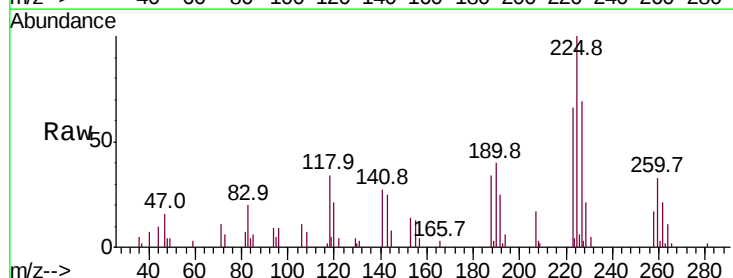
RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

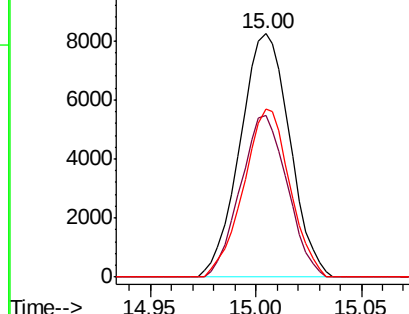
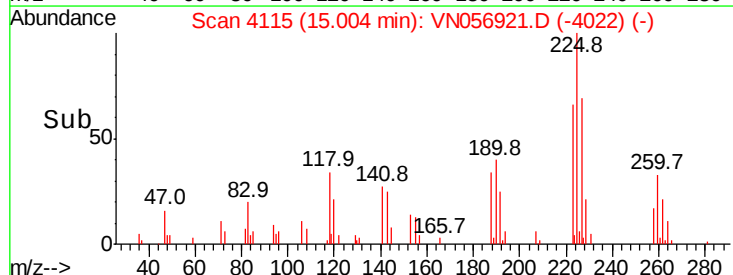
Lab File: VN056921.D

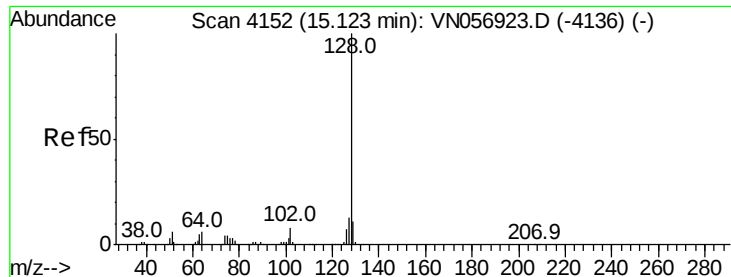
Acq: 25 Jul 2019 14:28

Tgt Ion:	225	Resp:	13471
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.3	93.9
227	64.4	31.9	95.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





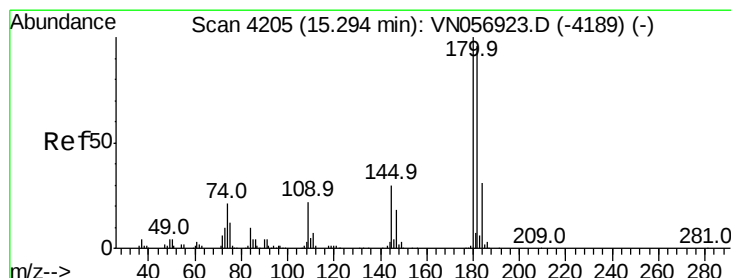
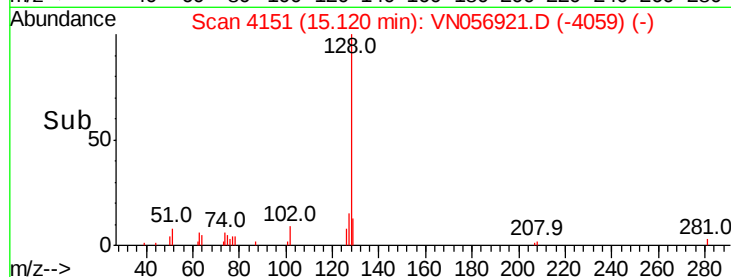
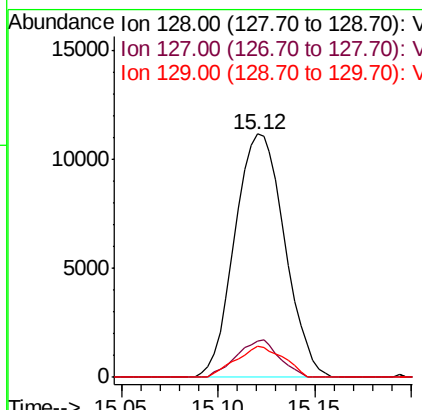
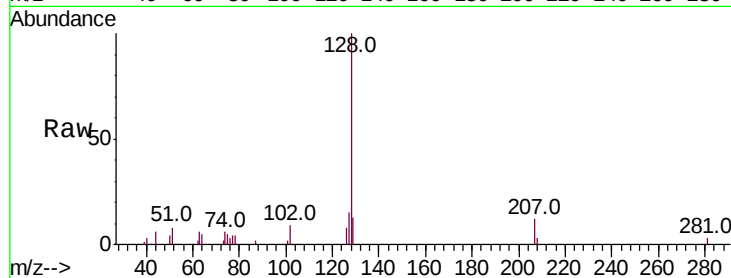
#95
Naphthalene
Concen: 3.054 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	12.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/26/2019 3:36:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 3.705 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	48.4	145.3
145	28.1	15.1	45.3

