

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056854.D
 Acq On : 22 Jul 2019 13:34
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:01:23 PM

Quant Time: Jul 23 01:30:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:05:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	350417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	528571	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	488818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	235048	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	366197	95.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	190.40%	
35) Dibromofluoromethane	7.59	113	336683	102.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	204.04%	
50) Toluene-d8	10.09	98	1284604	100.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	201.76%	
62) 4-Bromofluorobenzene	12.40	95	450431	105.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	210.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	435323	123.452	ug/l	99
3) Chloromethane	2.06	50	490093	106.605	ug/l	99
4) Vinyl Chloride	2.18	62	465968	106.015	ug/l	99
5) Bromomethane	2.53	94	263231	102.110	ug/l	97
6) Chloroethane	2.69	64	247375	98.100	ug/l	99
7) Trichlorofluoromethane	3.00	101	550926	99.241	ug/l	98
8) Diethyl Ether	3.40	74	205809	96.753	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	338304	101.183	ug/l	98
10) Methyl Iodide	3.94	142	485618	107.815	ug/l	100
11) Tert butyl alcohol	4.81	59	276978	439.017	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	343089	102.356	ug/l	98
13) Acrolein	3.60	56	220764	763.370	ug/l	99
14) Allyl chloride	4.31	41	580004	101.209	ug/l	99
15) Acrylonitrile	4.99	53	841823	457.221	ug/l	99
16) Acetone	3.82	43	624256	363.883	ug/l	99
17) Carbon Disulfide	4.04	76	971346	108.857	ug/l	100
18) Methyl Acetate	4.32	43	442756	90.240	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1039344	98.495	ug/l	99
20) Methylene Chloride	4.54	84	391643	98.816	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	365264	103.470	ug/l	99
22) Diisopropyl ether	5.95	45	1141259	100.391	ug/l	98
23) Vinyl Acetate	5.90	43	4306947	477.912	ug/l	100
24) 1,1-Dichloroethane	5.84	63	662612	100.441	ug/l	100
25) 2-Butanone	6.84	43	1035719	409.301	ug/l	100
26) 2,2-Dichloropropane	6.82	77	466959	99.196	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	417778	103.135	ug/l	98
28) Bromochloromethane	7.19	49	290918	94.500	ug/l	99
29) Tetrahydrofuran	7.21	42	708767	426.337	ug/l	99
30) Chloroform	7.37	83	642187	97.199	ug/l	99
31) Cyclohexane	7.65	56	627618	99.828	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	548238	104.819	ug/l	99
36) 1,1-Dichloropropene	7.79	75	506246	102.084	ug/l	99
37) Ethyl Acetate	6.93	43	423570	89.665	ug/l	99
38) Carbon Tetrachloride	7.77	117	480957	103.456	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056854.D
 Acq On : 22 Jul 2019 13:34
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:01:23 PM

Quant Time: Jul 23 01:30:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:05:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	631660	103.208	ug/l	99
40) Benzene	8.04	78	1529843	100.712	ug/l	99
41) Methacrylonitrile	7.17	41	197820	94.104	ug/l	95
42) 1,2-Dichloroethane	8.12	62	475314	99.339	ug/l	99
43) Isopropyl Acetate	8.17	43	707903	94.638	ug/l #	91
44) Trichloroethene	8.83	130	411070	99.547	ug/l	98
45) 1,2-Dichloropropane	9.12	63	407865	101.283	ug/l	98
46) Dibromomethane	9.21	93	250672	100.750	ug/l	100
47) Bromodichloromethane	9.40	83	499414	105.387	ug/l	98
48) Methyl methacrylate	9.20	41	351009	96.494	ug/l	98
49) 1,4-Dioxane	9.20	88	142956	1901.914	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2131925	443.605	ug/l	100
52) Toluene	10.15	92	947031	104.827	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	545768	110.744	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	623174	108.674	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	366906	97.705	ug/l	99
56) Ethyl methacrylate	10.43	69	562476	105.306	ug/l	99
57) 1,3-Dichloropropane	10.71	76	626176	101.971	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1215378	483.186	ug/l	100
59) 2-Hexanone	10.75	43	1522493	445.840	ug/l	100
60) Dibromochloromethane	10.90	129	406548	109.937	ug/l	99
61) 1,2-Dibromoethane	11.00	107	386333	103.424	ug/l	99
64) Tetrachloroethene	10.63	164	403546	94.310	ug/l	97
65) Chlorobenzene	11.43	112	1029696	101.680	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	383112	102.818	ug/l	100
67) Ethyl Benzene	11.51	91	1825071	102.704	ug/l	100
68) m/p-Xylenes	11.62	106	1376739	207.404	ug/l	99
69) o-Xylene	11.95	106	666968	102.174	ug/l	98
70) Styrene	11.96	104	1151154	109.198	ug/l	100
71) Bromoform	12.12	173	297875	106.721	ug/l #	100
73) Isopropylbenzene	12.25	105	1776536	92.118	ug/l	100
74) N-amyl acetate	12.07	43	644071	91.698	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	502869	79.037	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	431802m	84.522	ug/l	
77) Bromobenzene	12.52	156	471944	93.631	ug/l	99
78) n-propylbenzene	12.59	91	2028067	95.202	ug/l	99
79) 2-Chlorotoluene	12.67	91	1183761	89.798	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1502048	92.135	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	158407	96.220	ug/l	97
82) 4-Chlorotoluene	12.77	91	1208718	96.624	ug/l	99
83) tert-Butylbenzene	12.99	119	1303108	91.618	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1493999	93.989	ug/l	100
85) sec-Butylbenzene	13.17	105	1723390	94.982	ug/l	99
86) p-Isopropyltoluene	13.29	119	1582590	96.476	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	803240	97.997	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	785397	98.535	ug/l	100
89) n-Butylbenzene	13.61	91	1349939	102.762	ug/l	99
90) Hexachloroethane	13.87	117	273536	102.288	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	782629	93.515	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	90546	90.903	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
Data File : VN056854.D
Acq On : 22 Jul 2019 13:34
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:23 PM

Quant Time: Jul 23 01:30:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 23 01:05:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	462698	122.751	ug/l	99
94) Hexachlorobutadiene	15.01	225	271941	90.160	ug/l	99
95) Naphthalene	15.13	128	1224006	121.505	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	472257	119.856	ug/l	99

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

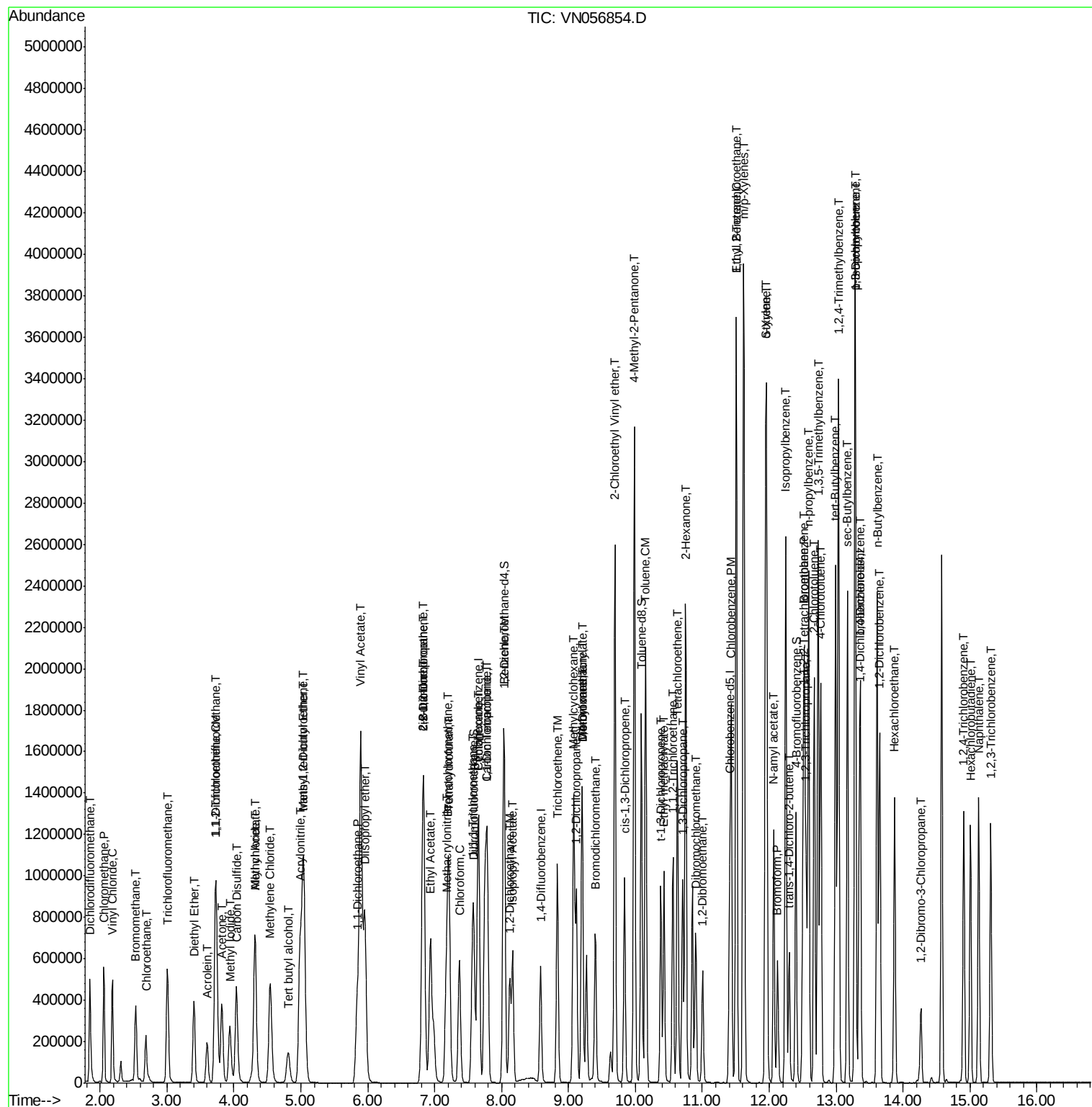
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
Data File : VN056854.D
Acq On : 22 Jul 2019 13:34
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

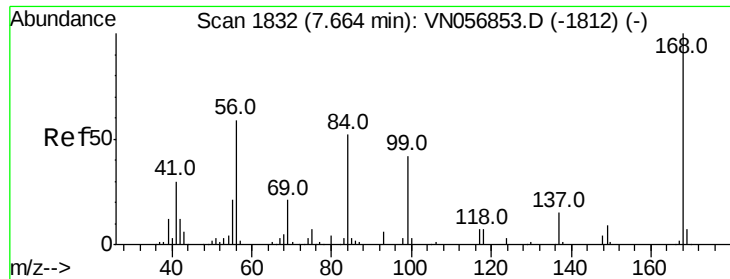
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:23 PM

Quant Time: Jul 23 01:30:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 23 01:05:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 350417

Ion Ratio Lower Upper

168 100

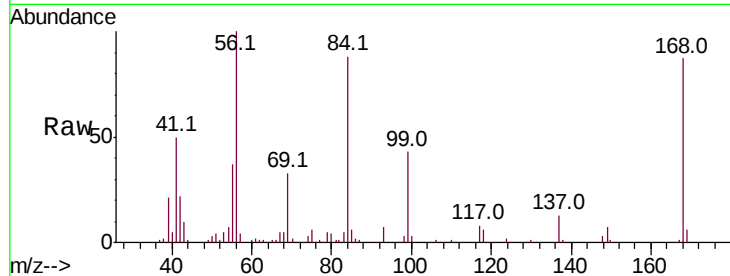
99 49.1 40.9 61.3

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:23 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

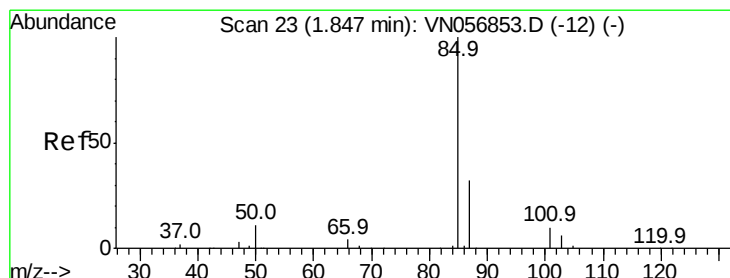
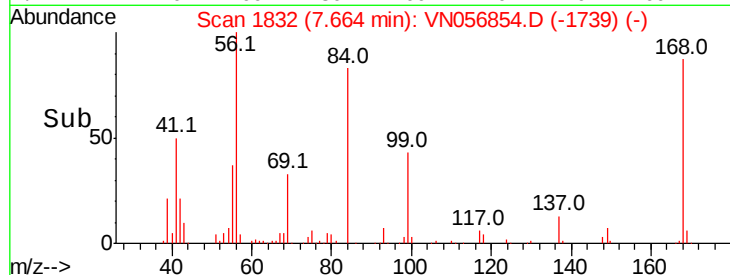
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 123.452 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056854.D

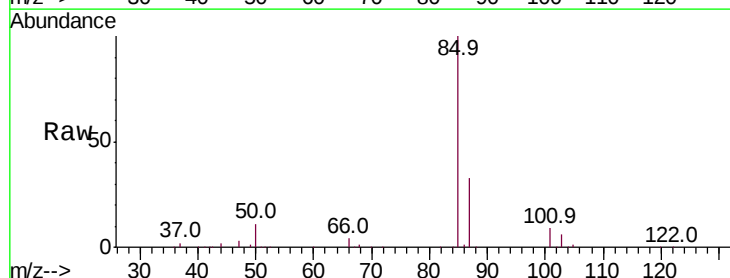
Acq: 22 Jul 2019 13:34

Tgt Ion: 85 Resp: 435323

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

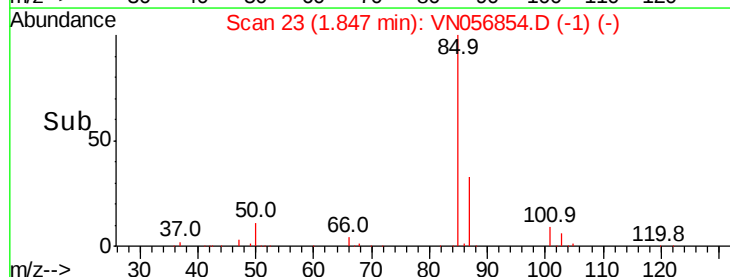
150000

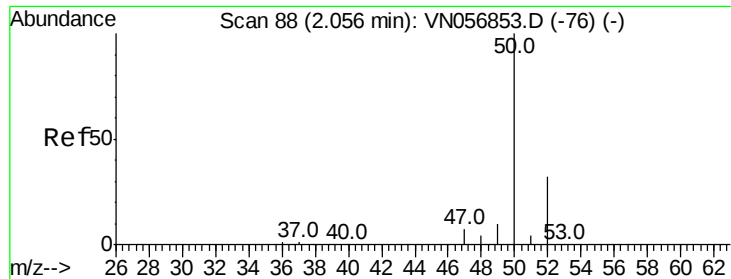
100000

50000

0

Time-->





#3

Chloromethane

Concen: 106.605 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 490093

Ion Ratio Lower Upper

50 100

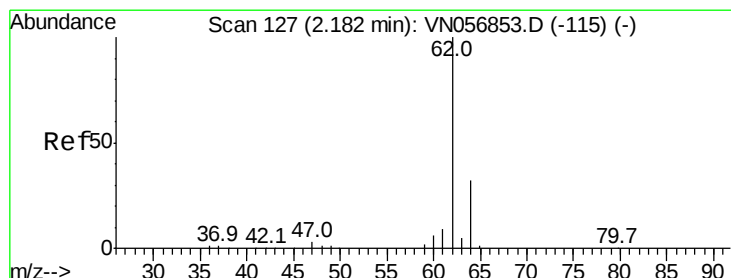
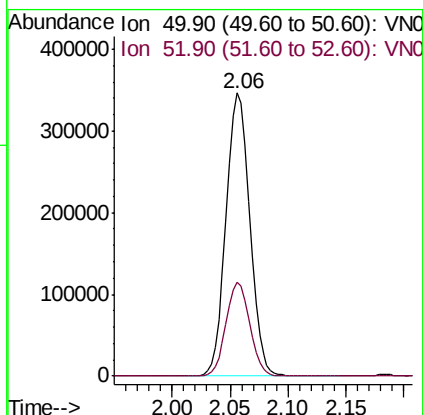
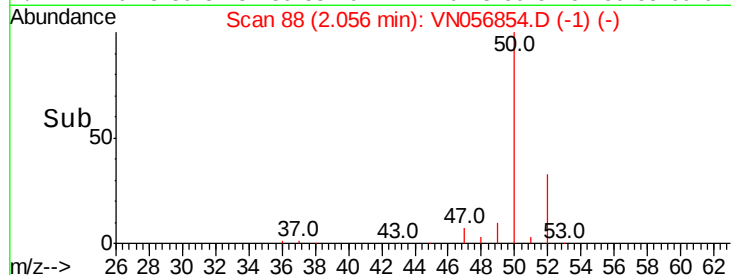
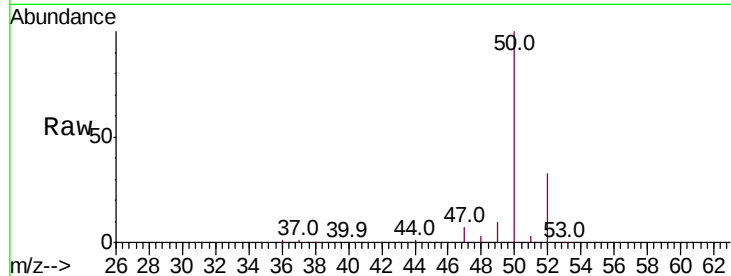
52 33.0 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:23 PM



#4

Vinyl Chloride

Concen: 106.015 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056854.D

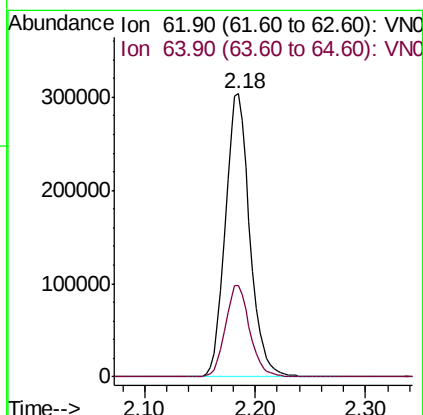
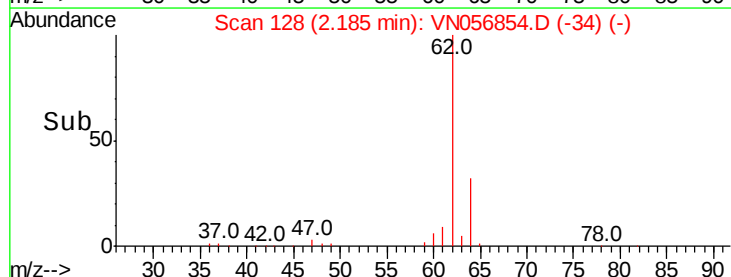
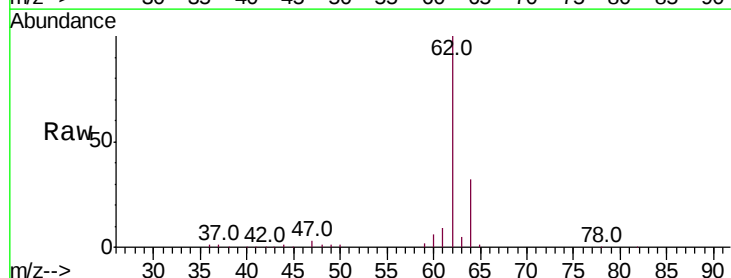
Acq: 22 Jul 2019 13:34

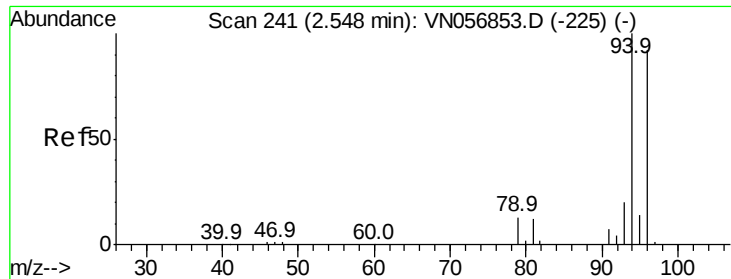
Tgt Ion: 62 Resp: 465968

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2





#5

Bromomethane

Concen: 102.110 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.02 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 263231

Ion Ratio Lower Upper

94 100

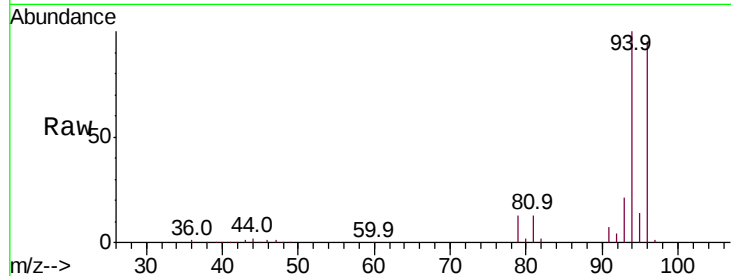
96 95.3 73.6 110.4

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:23 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

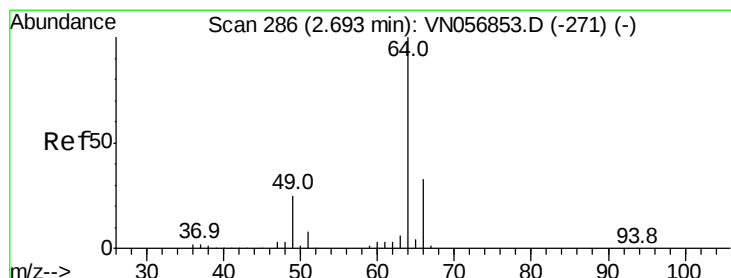
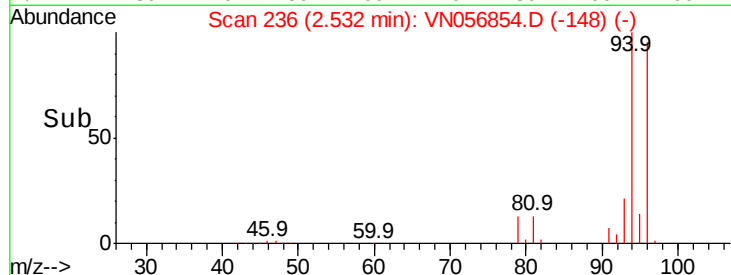
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 98.100 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.01 min

Lab File: VN056854.D

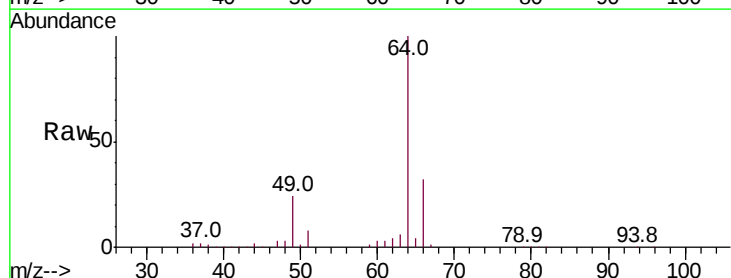
Acq: 22 Jul 2019 13:34

Tgt Ion: 64 Resp: 247375

Ion Ratio Lower Upper

64 100

66 32.2 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

120000

100000

80000

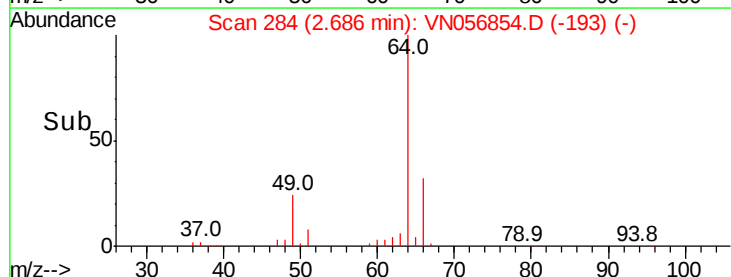
60000

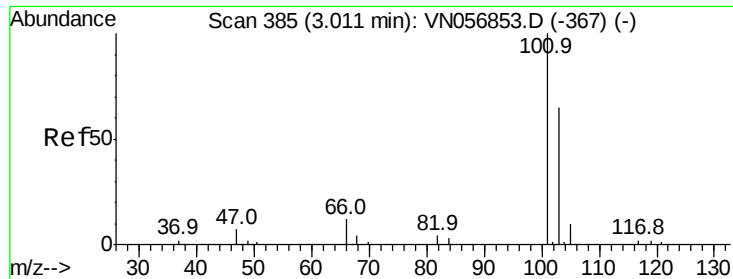
40000

20000

0

Time-->





#7

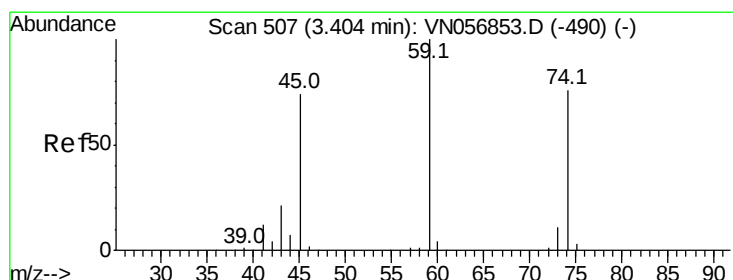
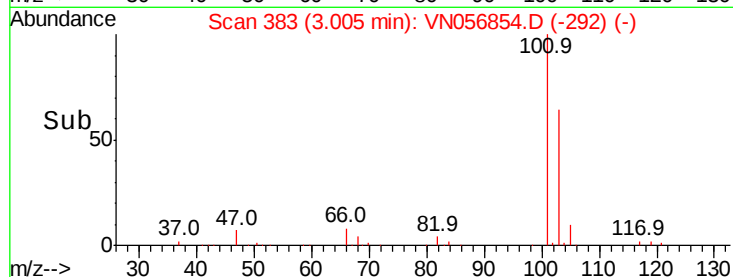
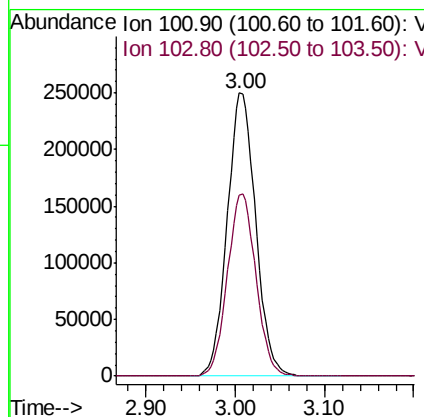
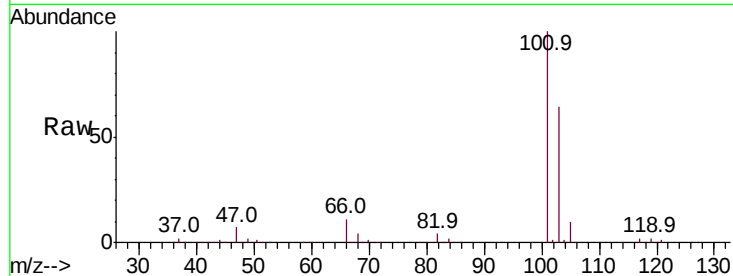
Trichlorofluoromethane
Concen: 99.241 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.01 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.3	78.5

Manual Integrations
APPROVED

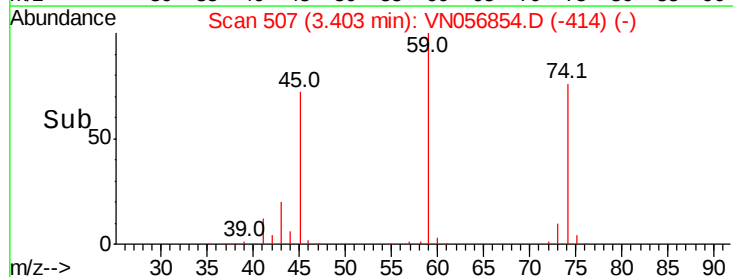
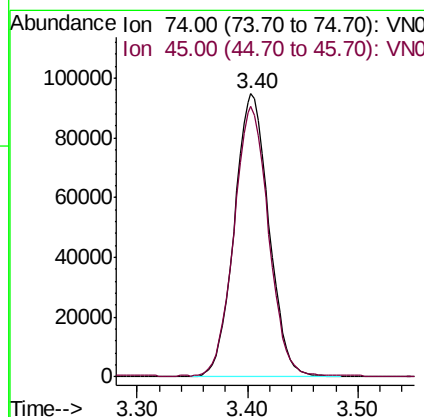
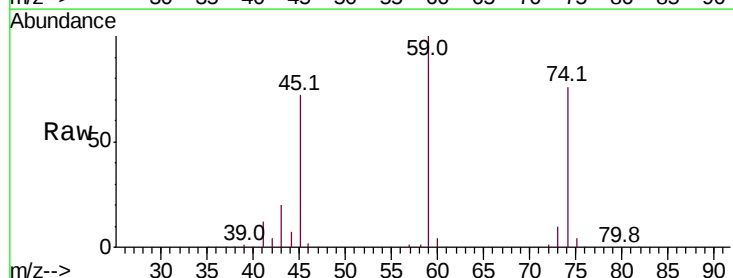
MMDadoda
7/25/2019 3:01:23 PM

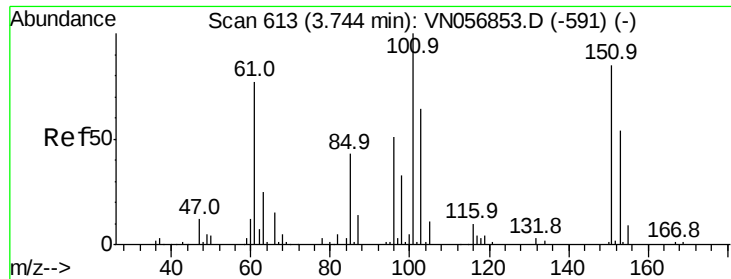


#8

Diethyl Ether
Concen: 96.753 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	49.2	147.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.183 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

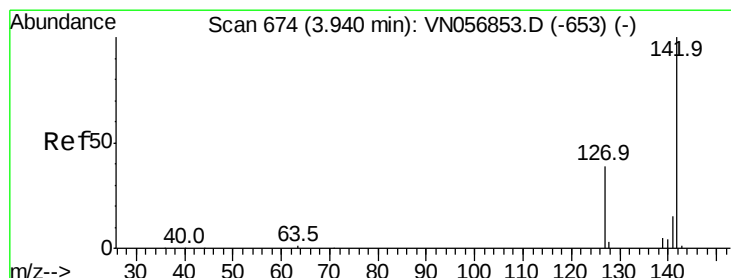
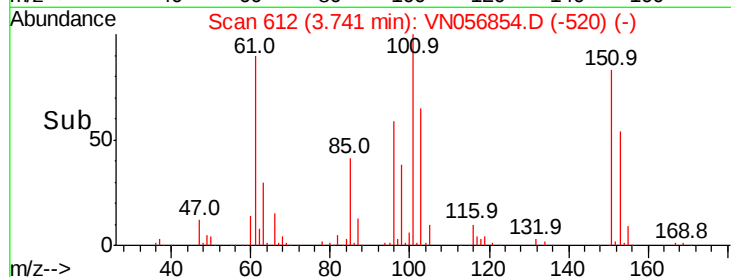
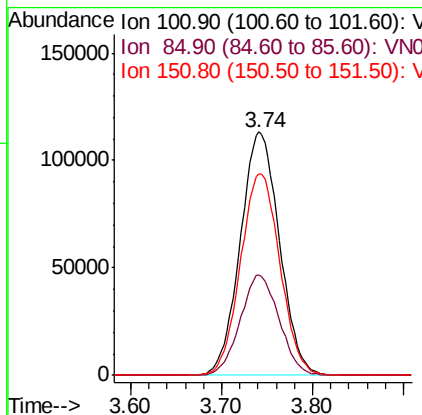
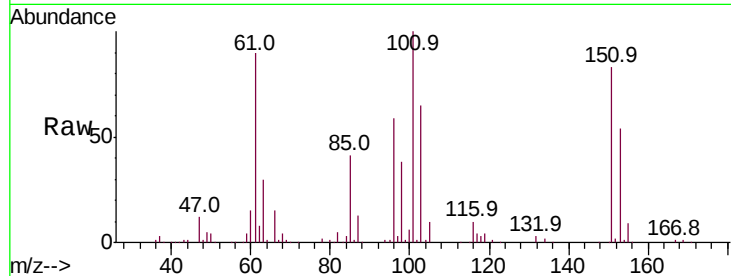
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	338304
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.7	50.5
151	83.5	68.1	102.1

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:23 PM



#10

Methyl Iodide

Concen: 107.815 ug/l

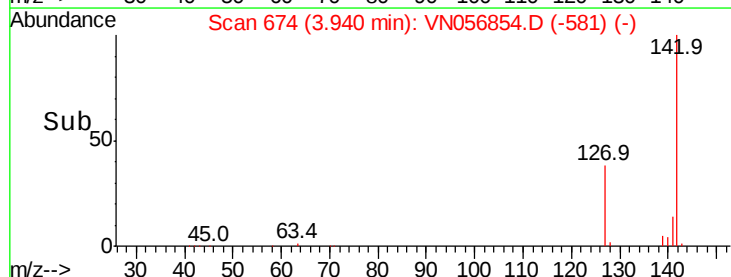
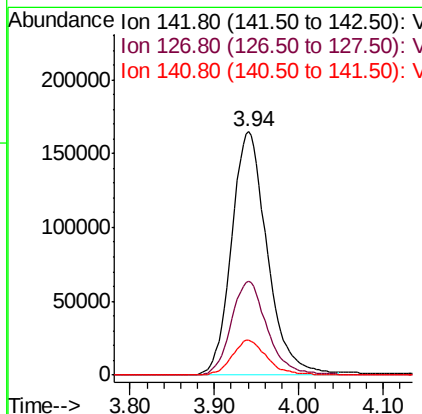
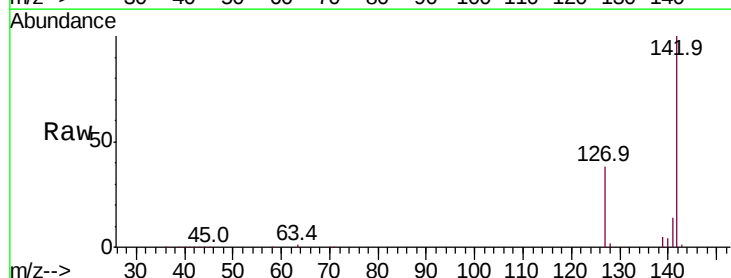
RT: 3.94 min Scan# 674

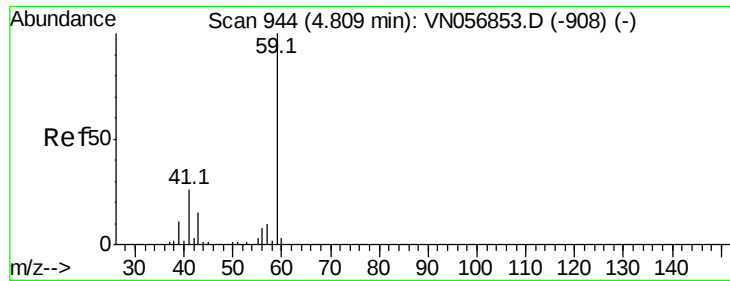
Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Tgt Ion:	142	Resp:	485618
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.2	46.8
141	14.1	11.4	17.2





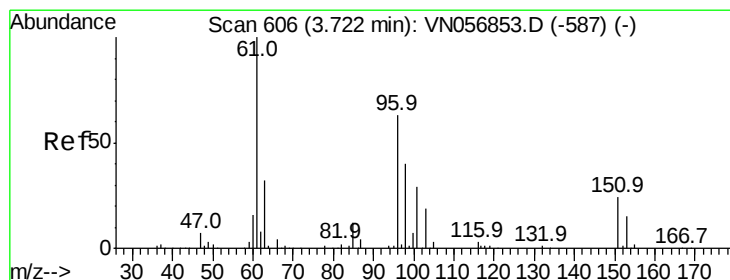
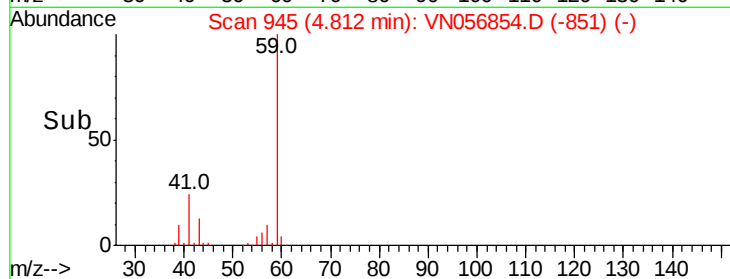
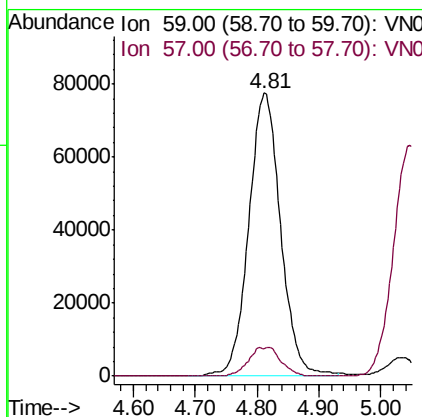
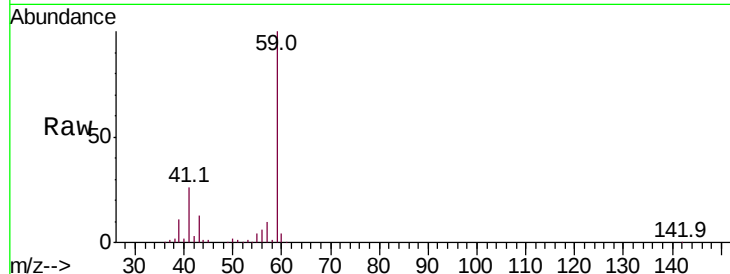
#11
Tert butyl alcohol
Concen: 439.017 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 59 Resp: 276978
Ion Ratio Lower Upper
59 100
57 4.7 8.2 12.4#

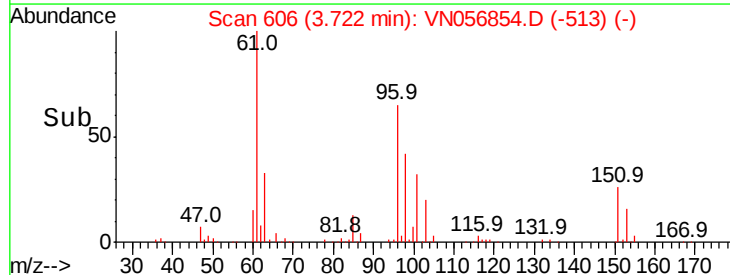
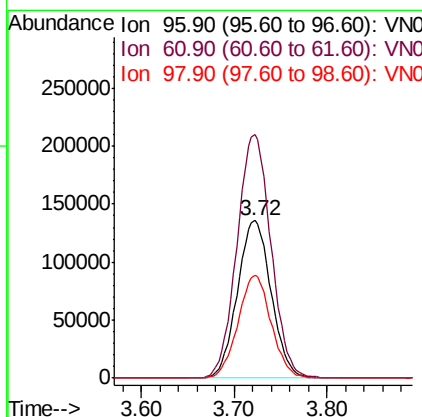
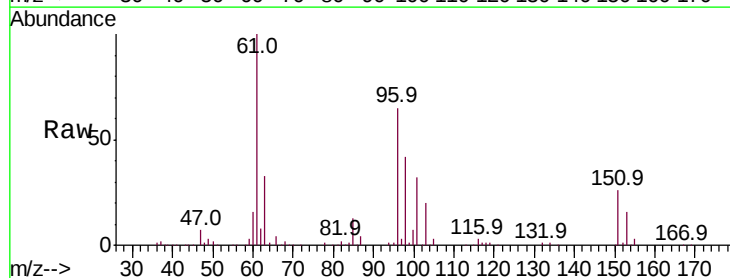
Manual Integrations
APPROVED

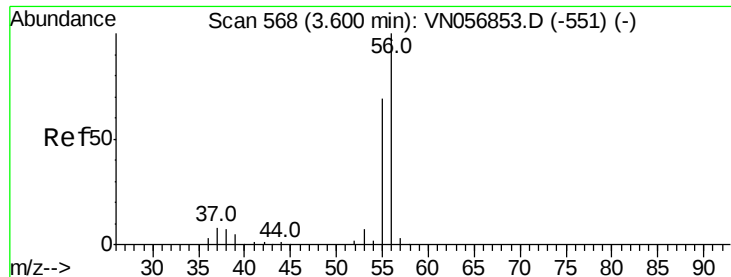
MMDadoda
7/25/2019 3:01:23 PM



#12
1,1-Dichloroethene
Concen: 102.356 ug/l
RT: 3.72 min Scan# 606
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion: 96 Resp: 343089
Ion Ratio Lower Upper
96 100
61 154.8 126.3 189.5
98 65.4 51.0 76.4





#13

Acrolein

Concen: 763.370 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 220764

Ion Ratio Lower Upper

56 100

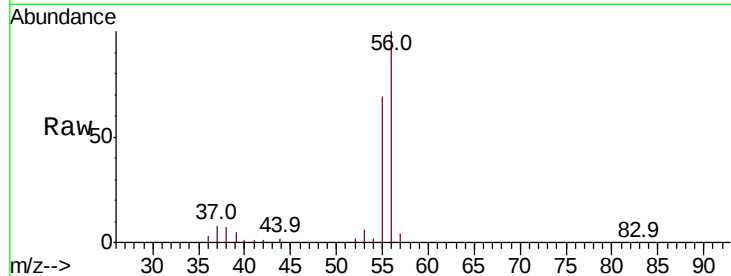
55 70.8 56.2 84.4

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:23 PM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.60

100000

80000

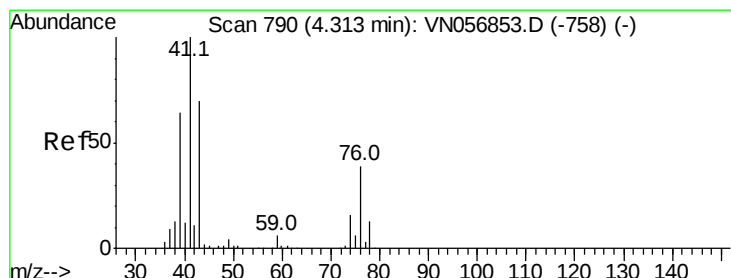
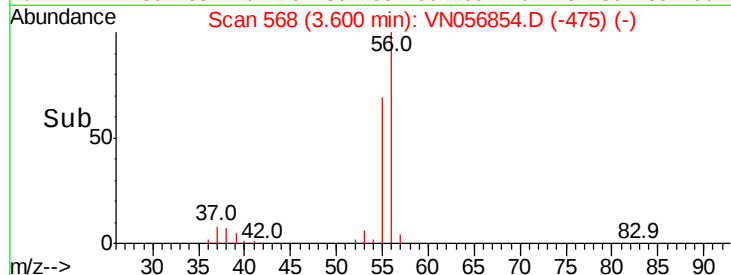
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 101.209 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

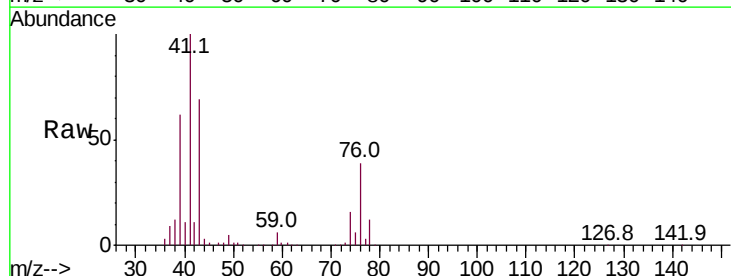
Tgt Ion: 41 Resp: 580004

Ion Ratio Lower Upper

41 100

39 58.7 47.8 71.6

76 34.8 27.9 41.9



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.31

250000

200000

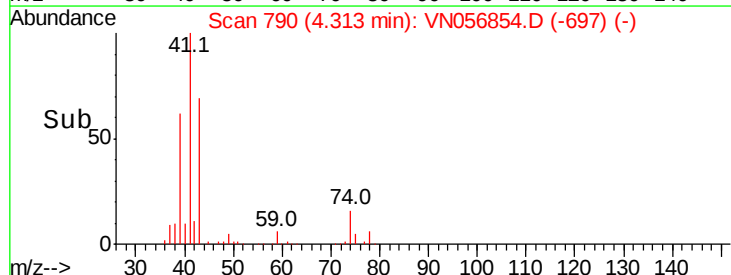
150000

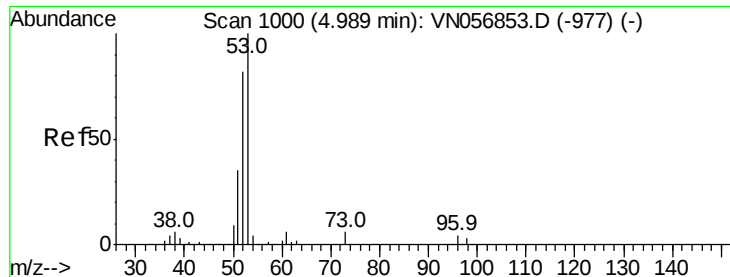
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 457.221 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 841823

Ion Ratio Lower Upper

53 100

52 82.2 65.0 97.6

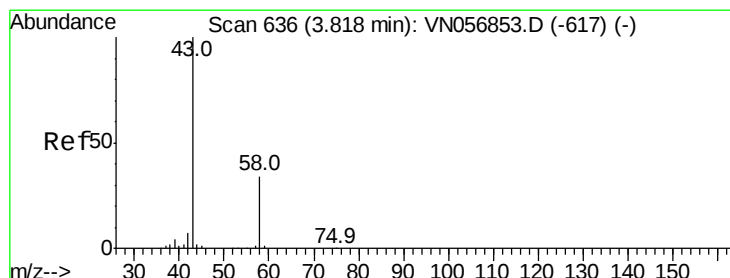
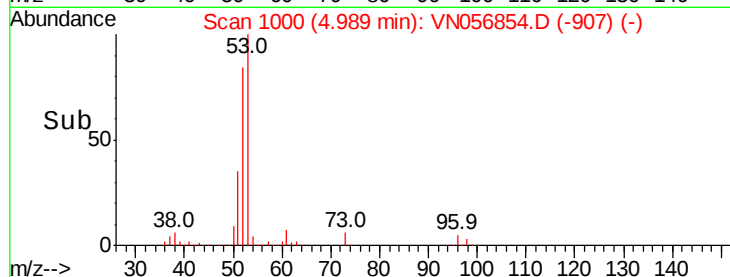
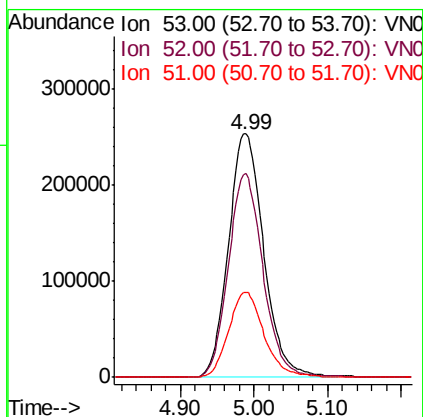
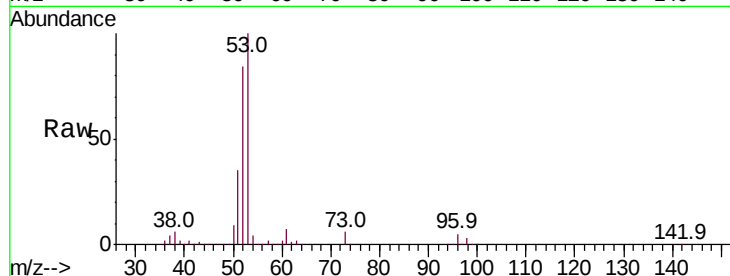
51 35.3 28.2 42.2

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:23 PM



#16

Acetone

Concen: 363.883 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056854.D

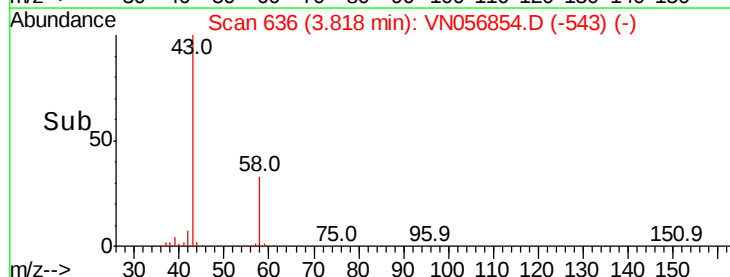
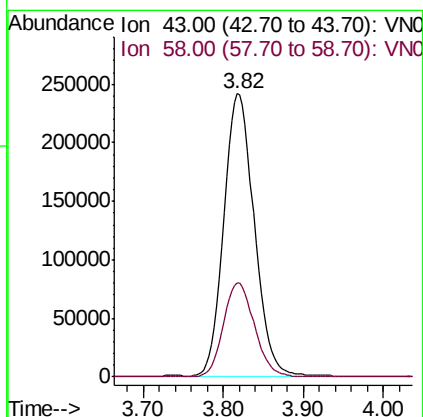
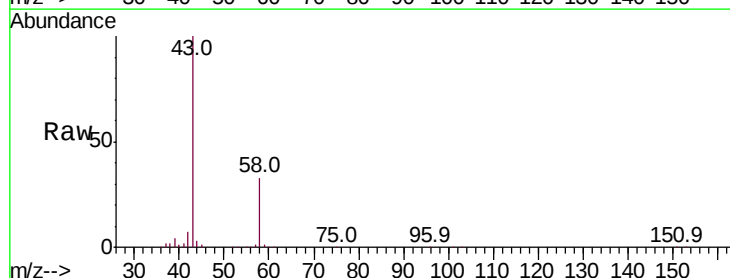
Acq: 22 Jul 2019 13:34

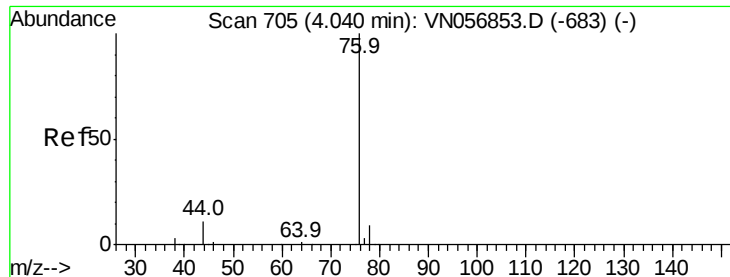
Tgt Ion: 43 Resp: 624256

Ion Ratio Lower Upper

43 100

58 33.3 27.3 40.9





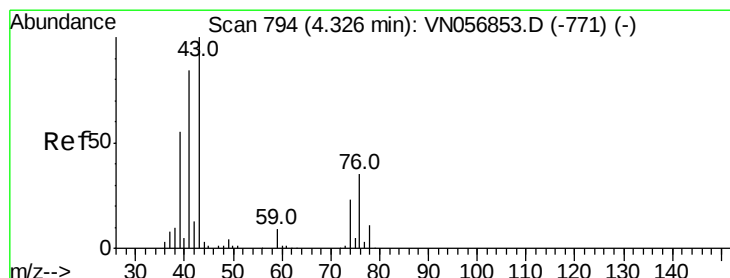
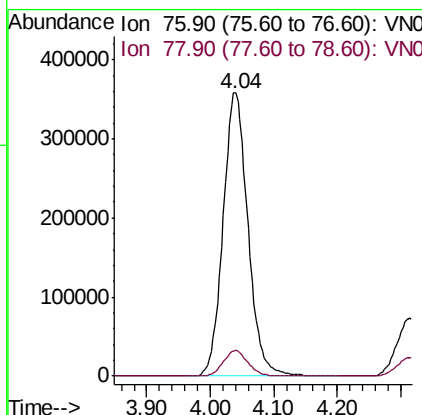
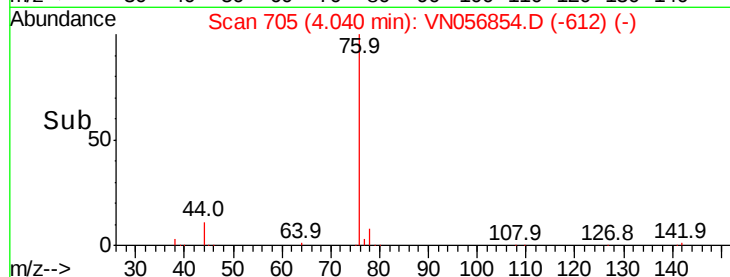
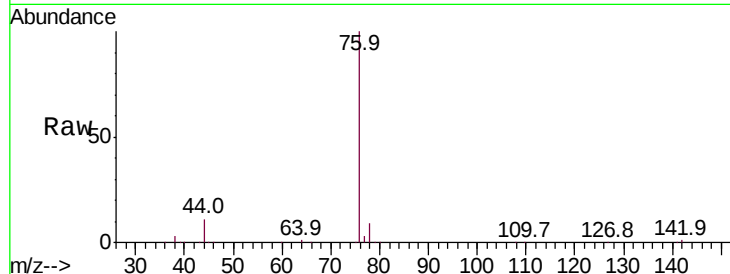
#17
Carbon Disulfide
Concen: 108.857 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

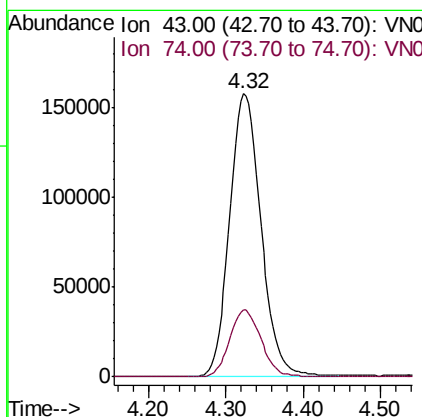
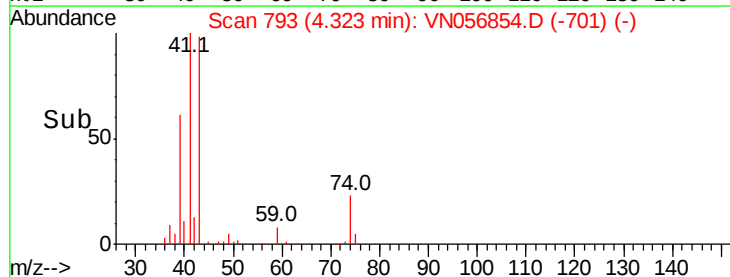
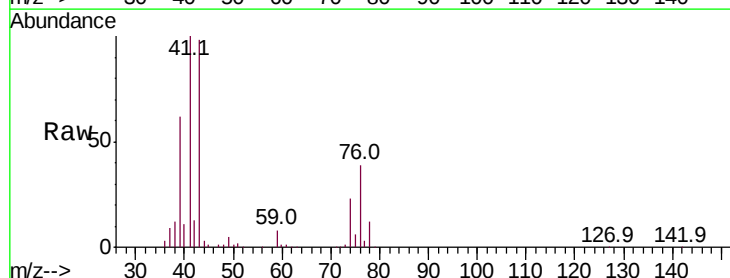
Manual Integrations
APPROVED

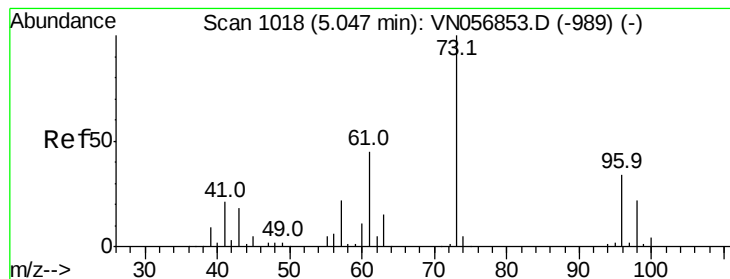
MMDadoda
7/25/2019 3:01:23 PM



#18
Methyl Acetate
Concen: 90.240 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.0	28.4





#19

Methyl tert-butyl Ether

Concen: 98.495 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 73 Resp: 1039344

Ion Ratio Lower Upper

73 100

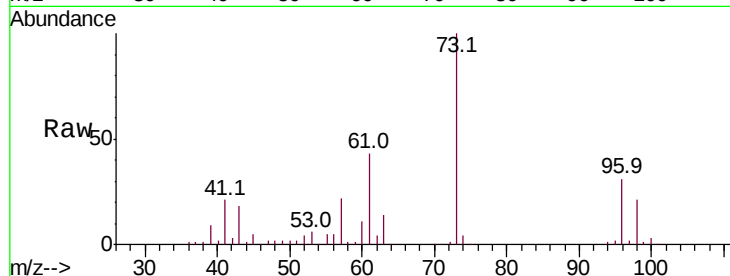
57 22.1 18.0 27.0

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:23 PM



Abundance Ion 73.00 (72.70 to 73.70): VN056853.D (-989) (-)

Ion 57.00 (56.70 to 57.70): VN056853.D (-989) (-)

5.05

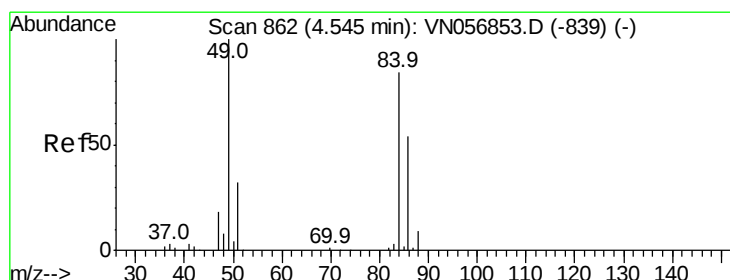
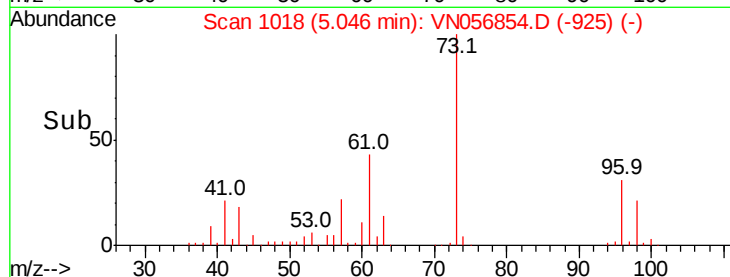
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 98.816 ug/l

RT: 4.54 min Scan# 861

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Tgt Ion: 84 Resp: 391643

Ion Ratio Lower Upper

84 100

49 118.4 94.9 142.3

51 36.2 29.9 44.9

86 65.5 51.4 77.2

Abundance Ion 83.90 (83.60 to 84.60): VN056853.D (-839) (-)

Ion 48.90 (48.60 to 49.60): VN056853.D (-839) (-)

Ion 50.90 (50.60 to 51.60): VN056853.D (-839) (-)

Ion 85.90 (85.60 to 86.60): VN056853.D (-839) (-)

200000

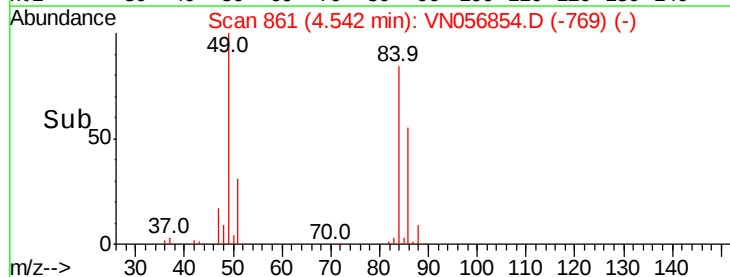
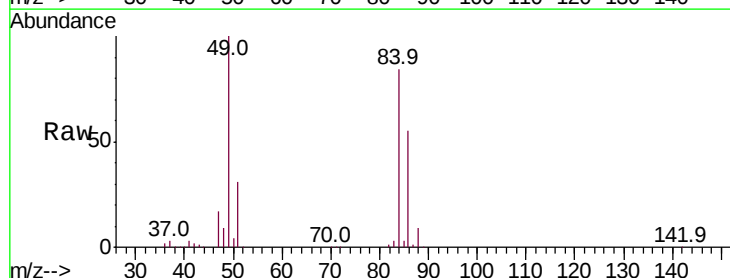
150000

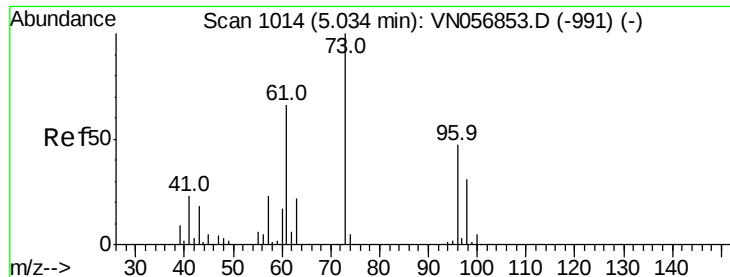
100000

50000

0

Time-->





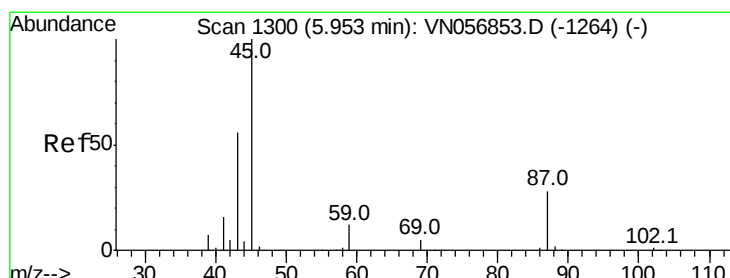
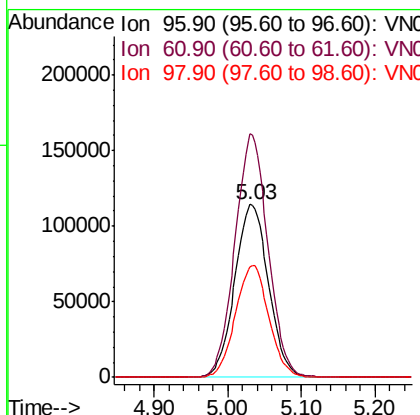
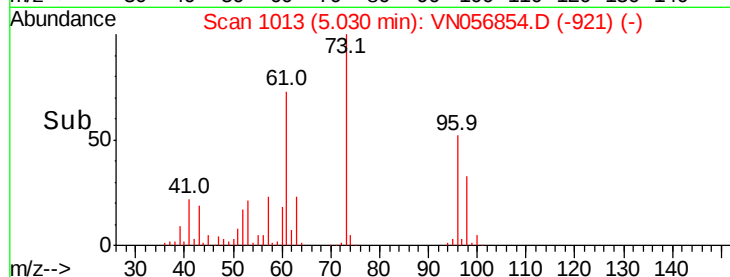
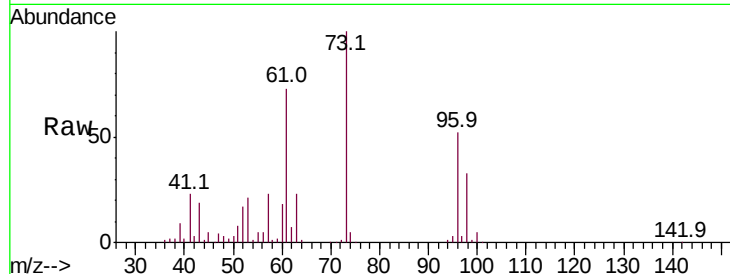
#21
trans-1,2-Dichloroethene
Concen: 103.470 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.9	112.8	169.2
98	64.2	53.3	79.9

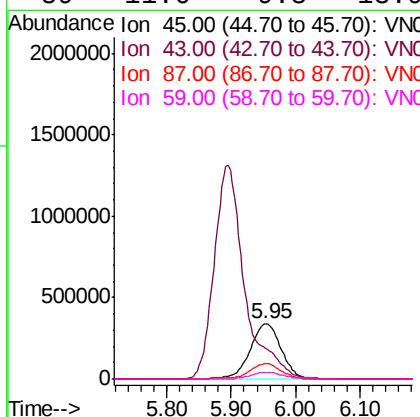
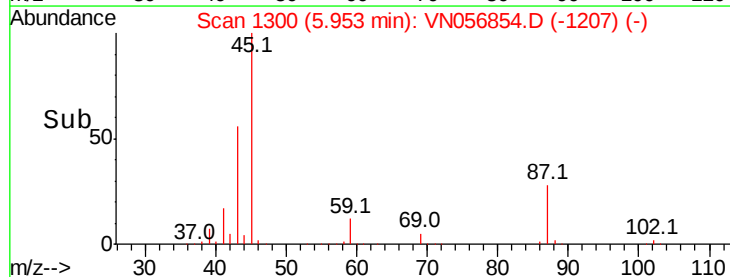
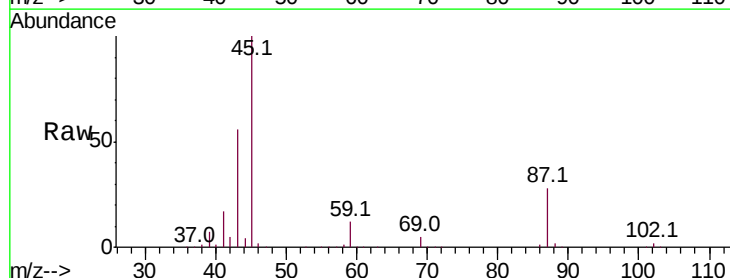
Manual Integrations
APPROVED

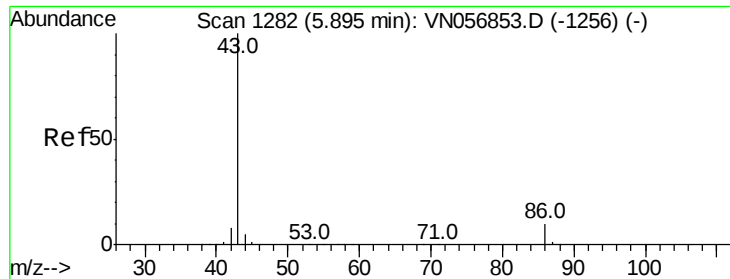
MMDadoda
7/25/2019 3:01:23 PM



#22
Diisopropyl ether
Concen: 100.391 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.2	45.5	68.3
87	27.9	22.7	34.1
59	11.6	9.3	13.9





#23

Vinyl Acetate

Concen: 477.912 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4306947

Ion Ratio Lower Upper

43 100

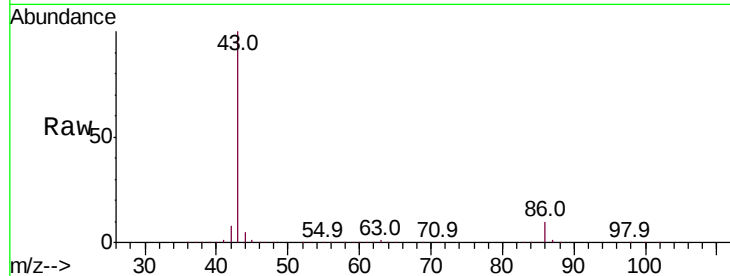
86 10.4 8.4 12.6

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:23 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1500000

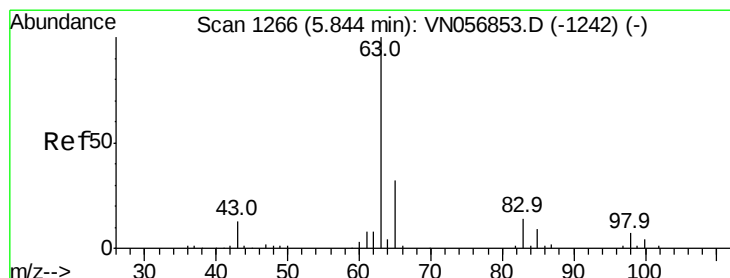
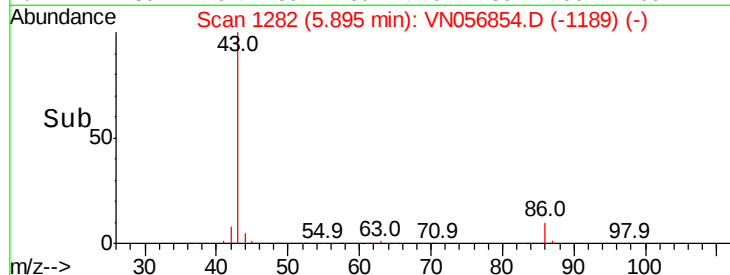
1000000

500000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 100.441 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

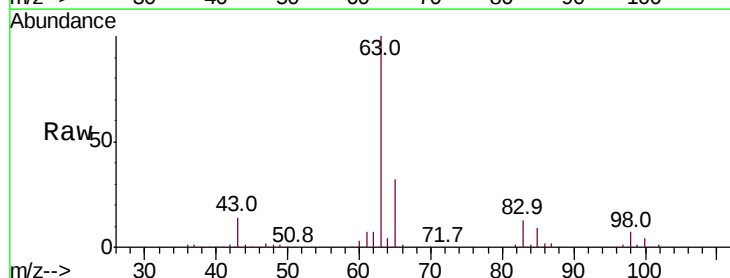
Tgt Ion: 63 Resp: 662612

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

250000

200000

150000

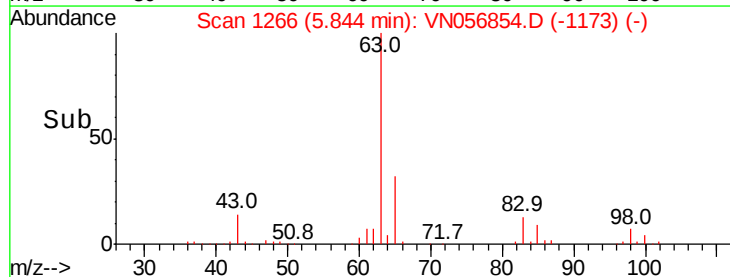
100000

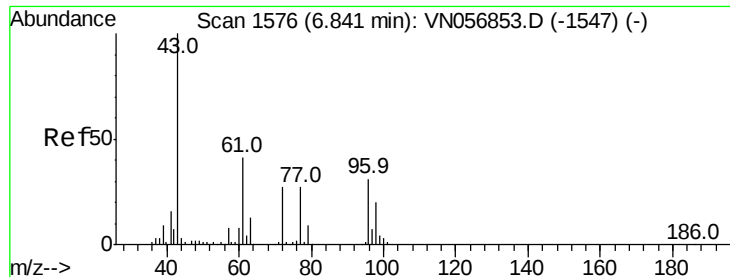
50000

0

5.70 5.80 5.90 6.00

Time-->





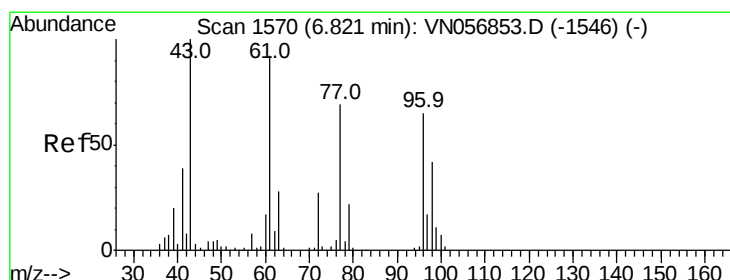
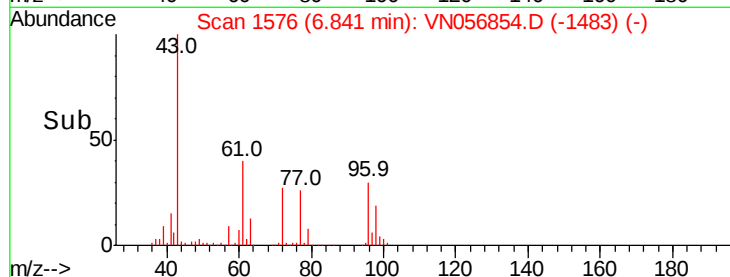
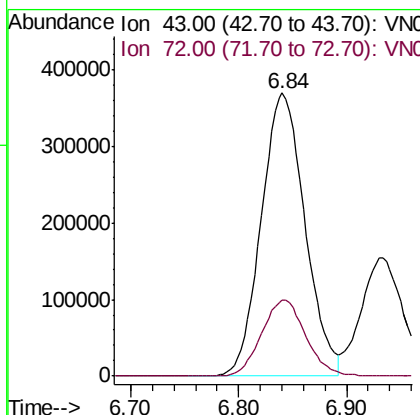
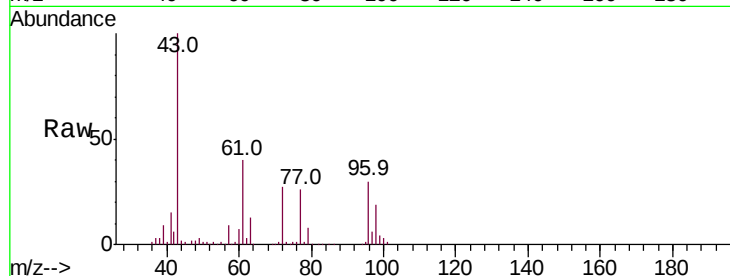
#25
2-Butanone
Concen: 409.301 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1035719
Ion Ratio Lower Upper
43 100
72 27.0 21.5 32.3

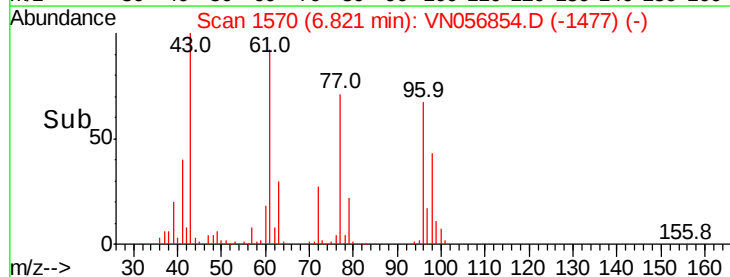
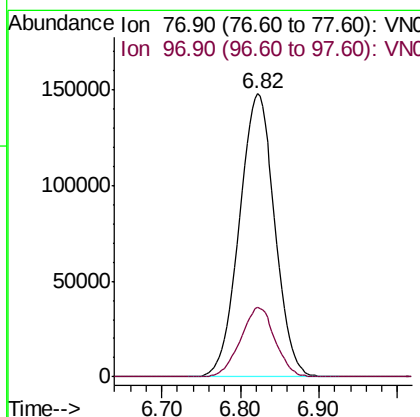
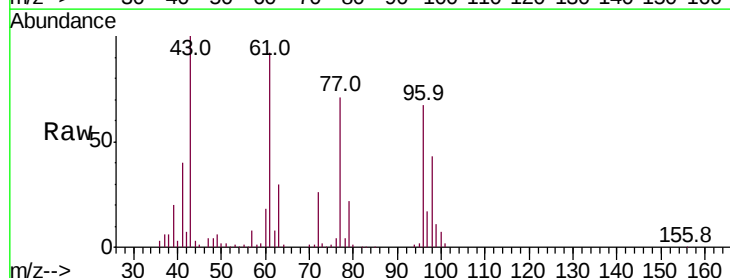
Manual Integrations
APPROVED

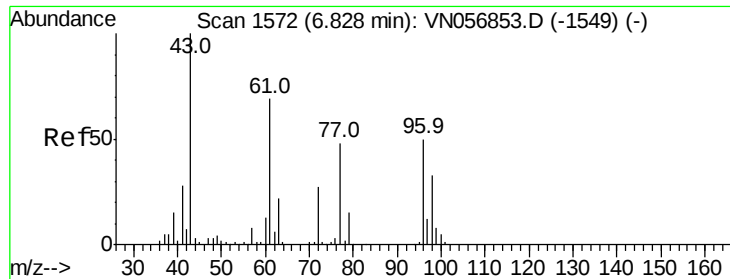
MMDadoda
7/25/2019 3:01:23 PM



#26
2,2-Dichloropropane
Concen: 99.196 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion: 77 Resp: 466959
Ion Ratio Lower Upper
77 100
97 24.0 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 103.135 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 417778

Ion Ratio Lower Upper

96 100

61 138.1 0.0 281.6

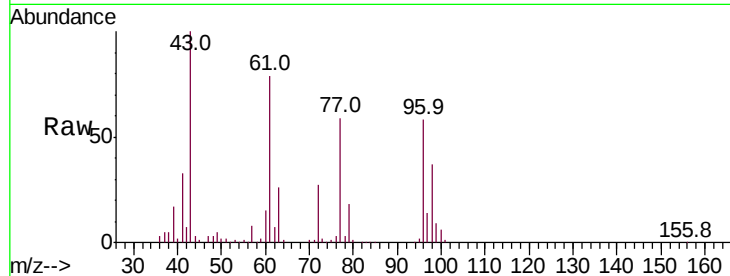
98 64.3 0.0 132.0

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:23 PM

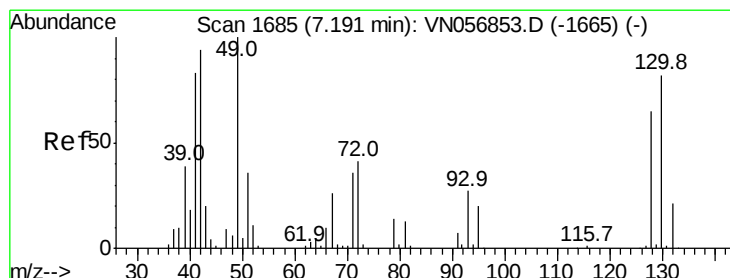
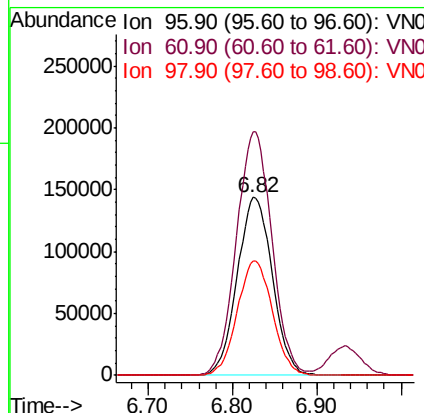
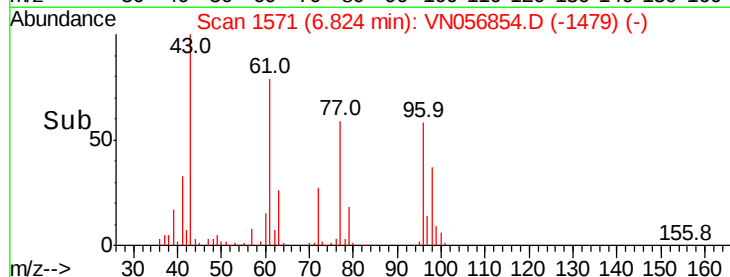


Abundance Ion 95.90 (95.60 to 96.60): VN056853.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN056853.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN056853.D (-1549) (-)

Time-->



#28

Bromochloromethane

Concen: 94.500 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

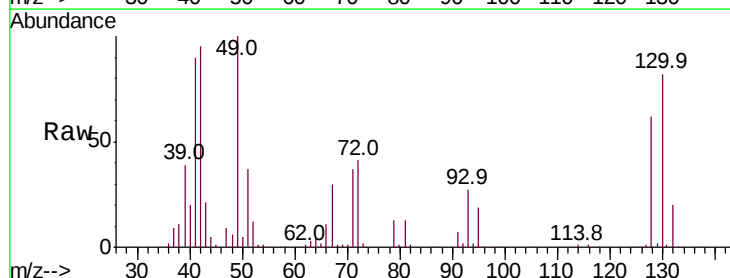
Tgt Ion: 49 Resp: 290918

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 82.5 65.0 97.6

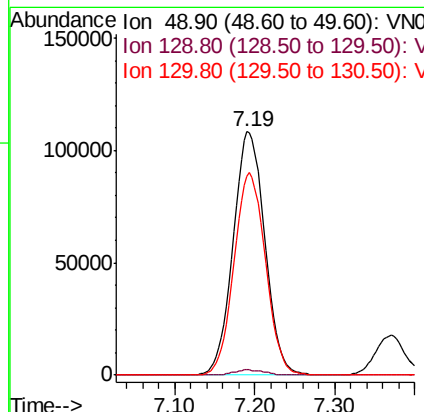
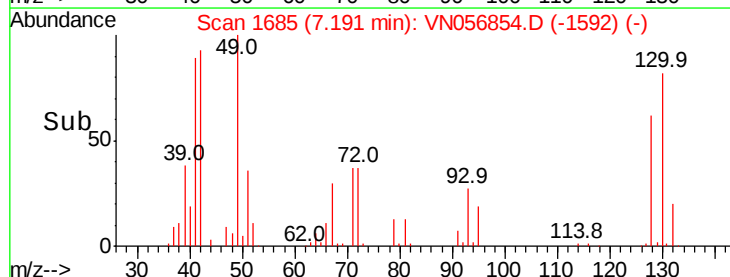


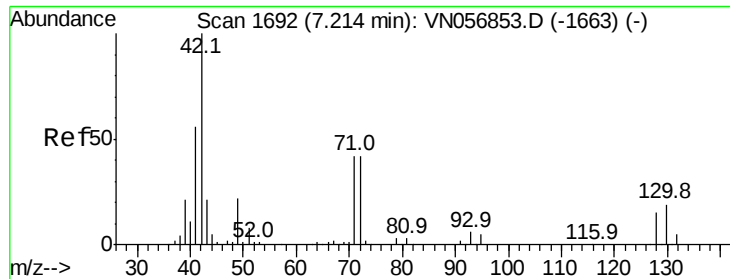
Abundance Ion 48.90 (48.60 to 49.60): VN056853.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN056853.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN056853.D (-1665) (-)

Time-->





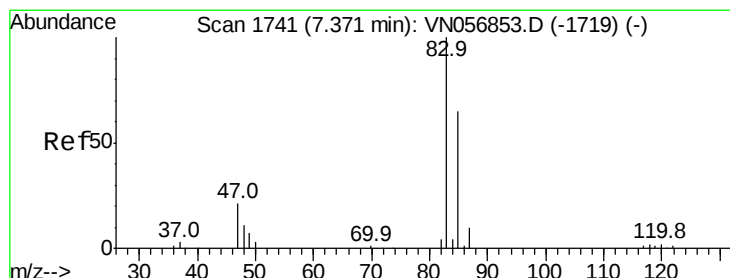
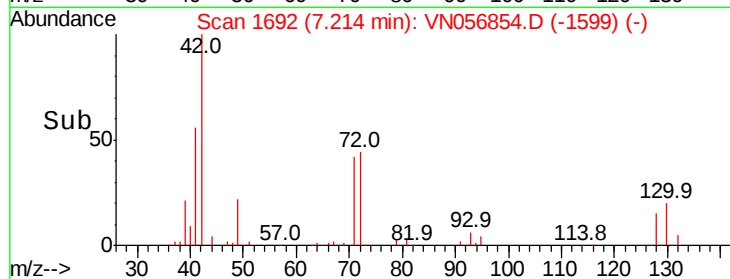
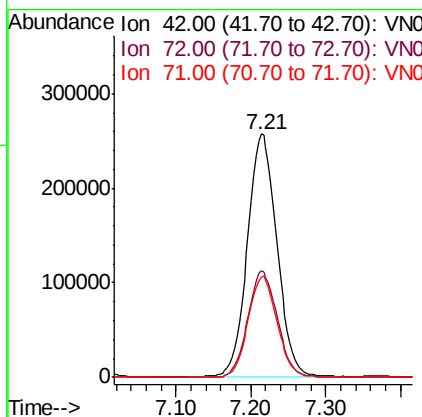
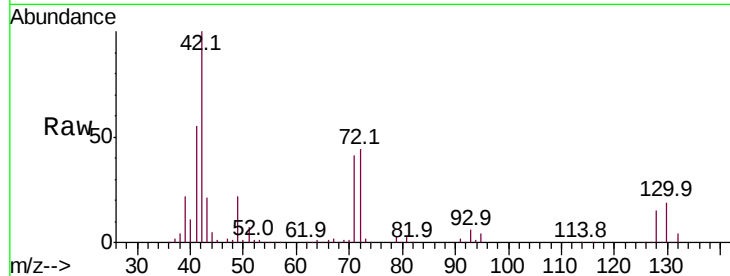
#29
Tetrahydrofuran
Concen: 426.337 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.2	51.2
71	40.7	32.7	49.1

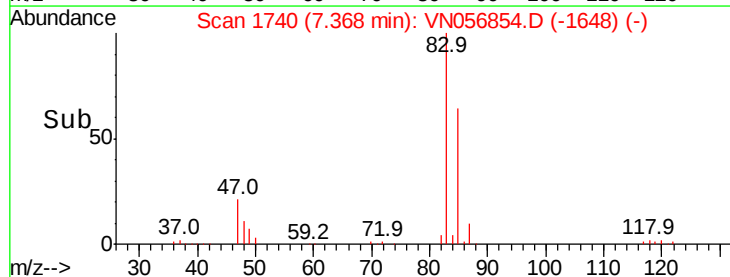
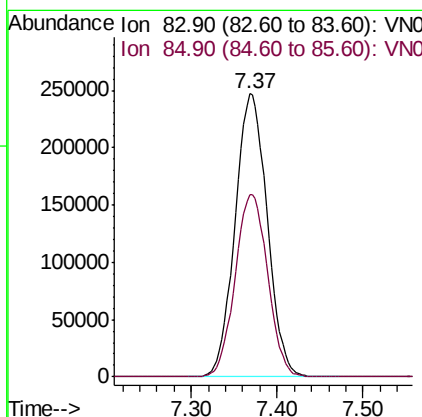
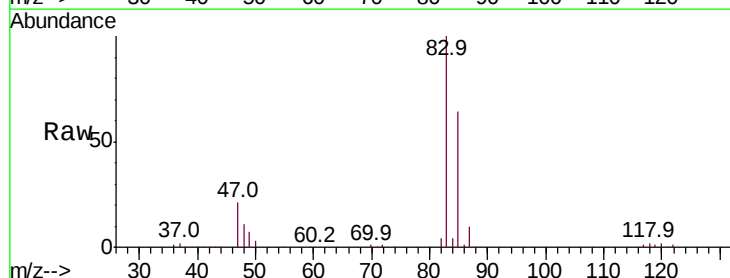
Manual Integrations
APPROVED

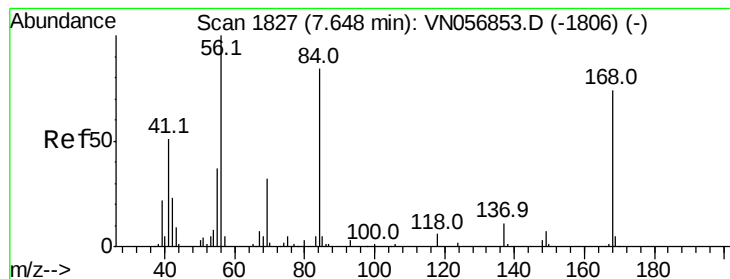
MMDadoda
7/25/2019 3:01:23 PM



#30
Chloroform
Concen: 97.199 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.3	78.5





#31

Cyclohexane

Concen: 99.828 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 627618

Ion Ratio Lower Upper

56 100

69 31.1 25.5 38.3

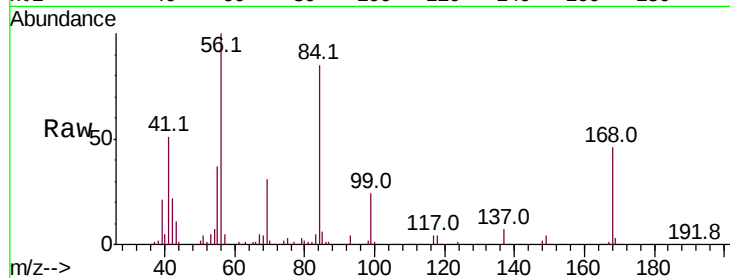
84 84.3 67.3 100.9

Manual Integrations

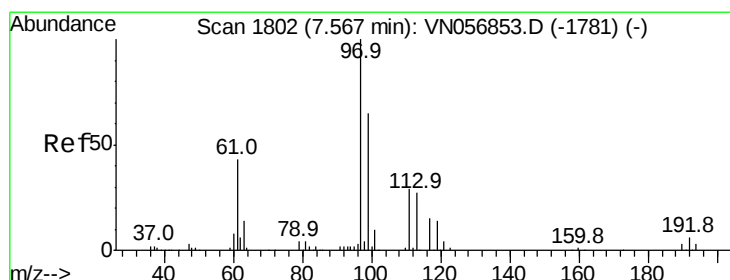
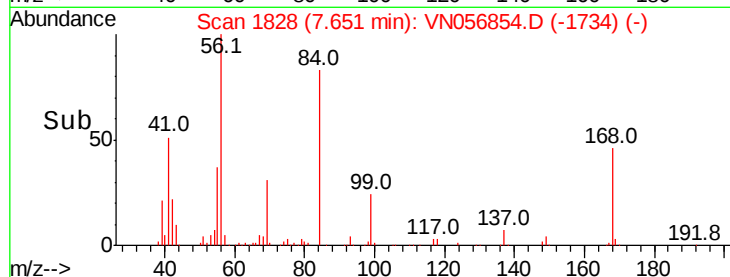
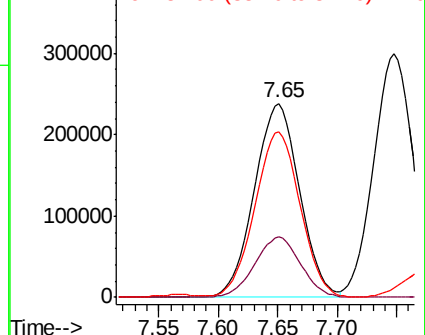
APPROVED

MMDadoda

7/25/2019 3:01:23 PM



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



#32

1,1,1-Trichloroethane

Concen: 104.819 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

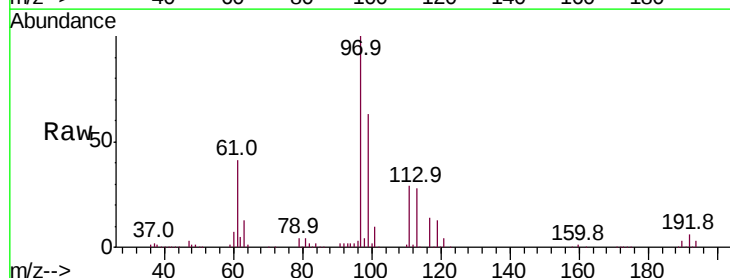
Tgt Ion: 97 Resp: 548238

Ion Ratio Lower Upper

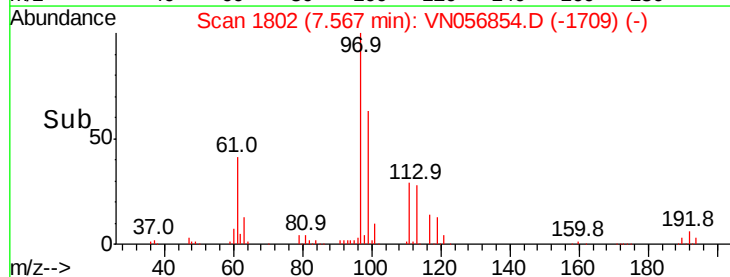
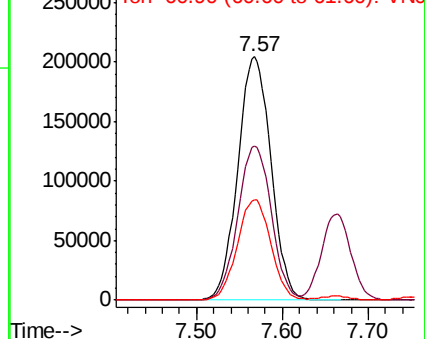
97 100

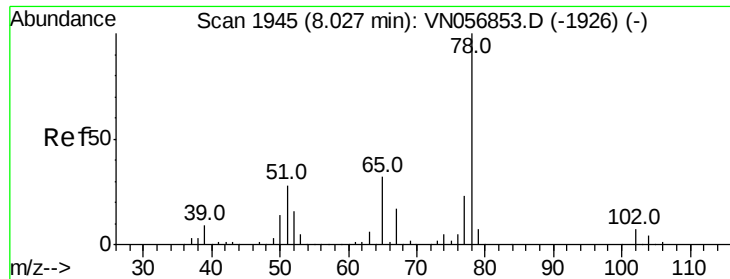
99 63.9 52.1 78.1

61 41.7 34.0 51.0



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





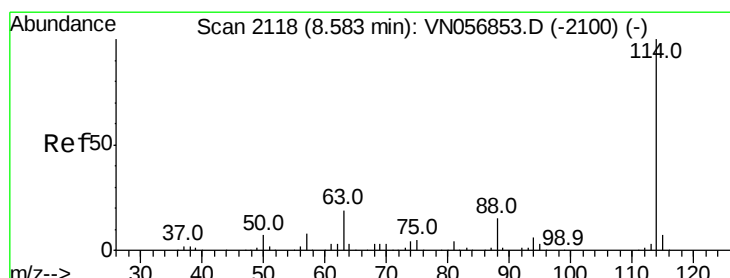
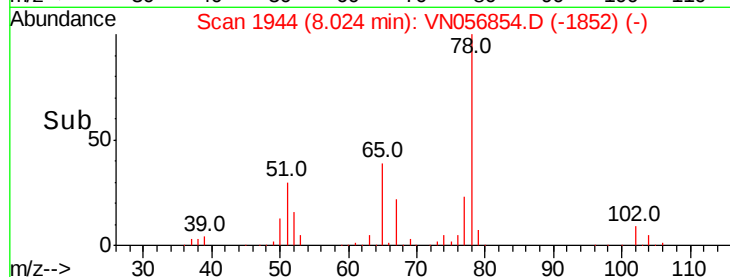
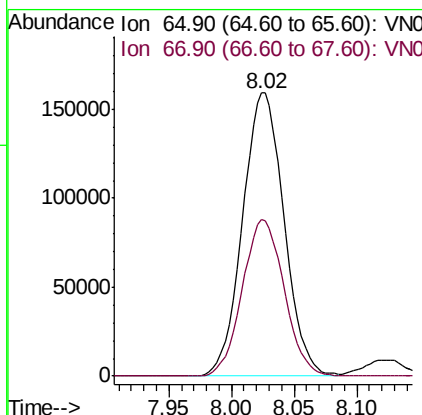
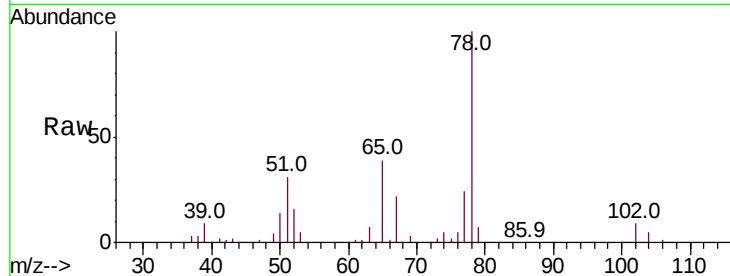
#33
 1,2-Dichloroethane-d4
 Concen: 95.201 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	366197		
67	56.0	0.0	108.6	

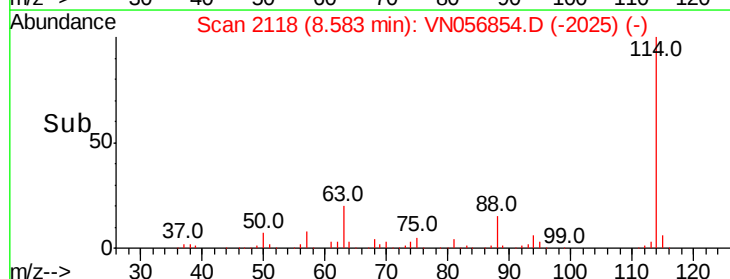
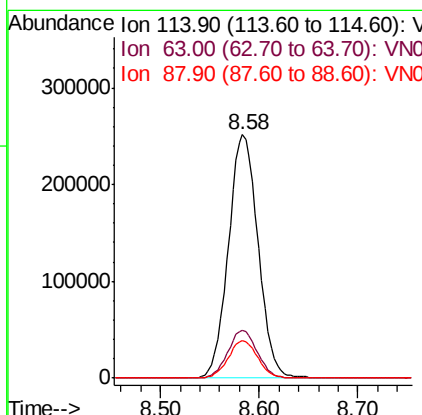
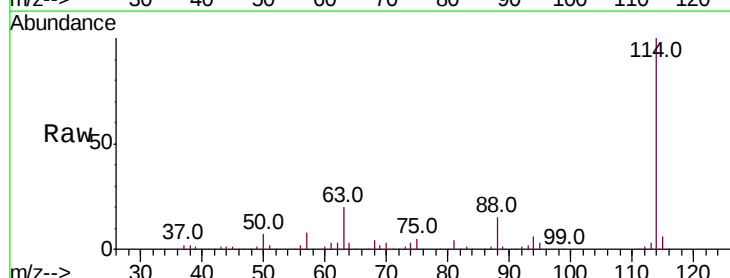
Manual Integrations
 APPROVED

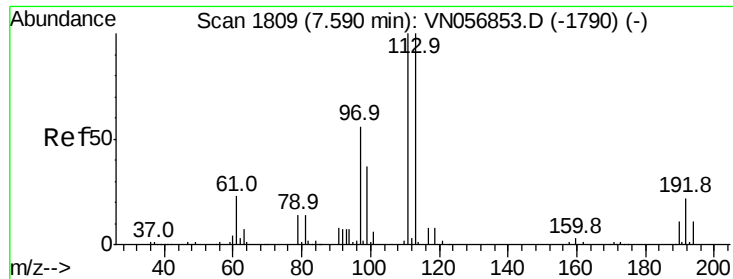
MMDadoda
 7/25/2019 3:01:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	528571		
63	19.8	0.0	37.8	
88	15.4	0.0	31.0	





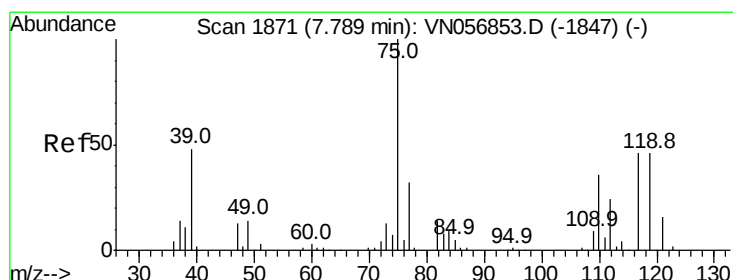
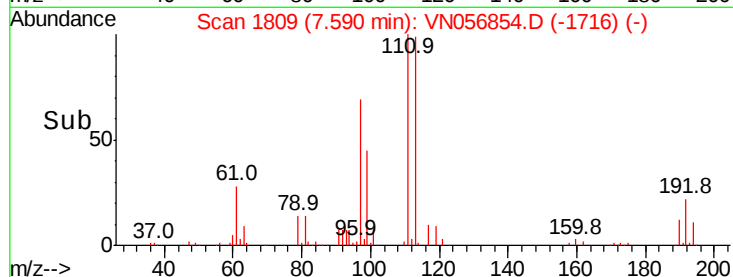
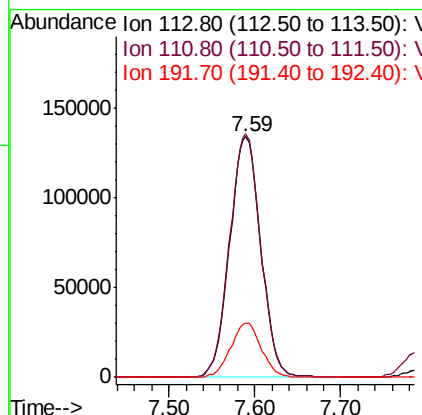
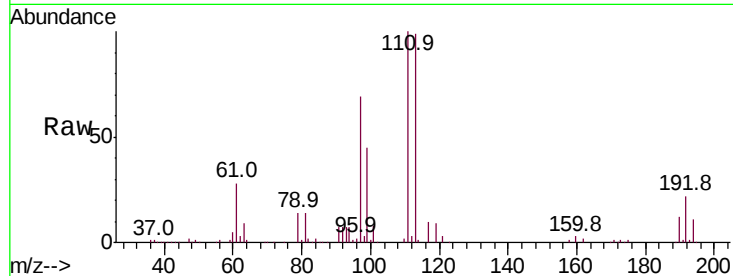
#35
 Dibromofluoromethane
 Concen: 102.018 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	100.8	81.9	122.9	
192	22.1	18.5	27.7	

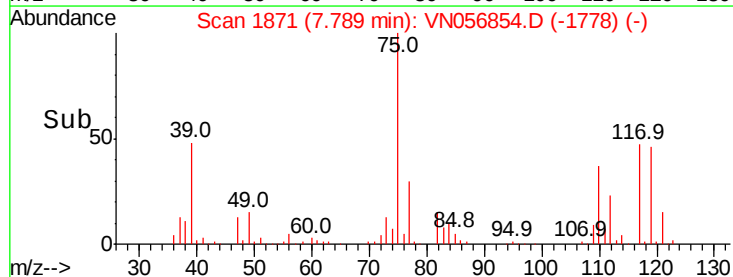
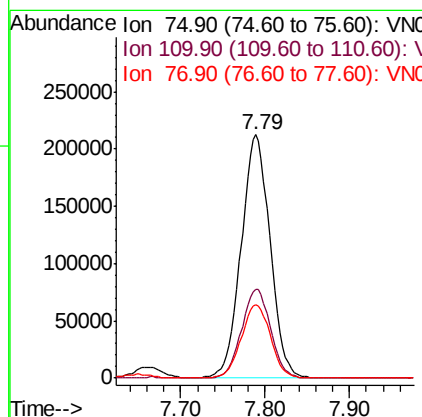
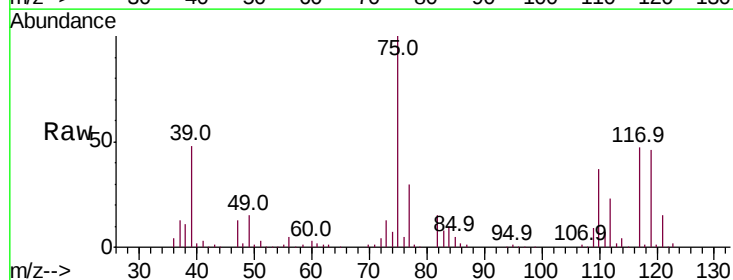
Manual Integrations
 APPROVED

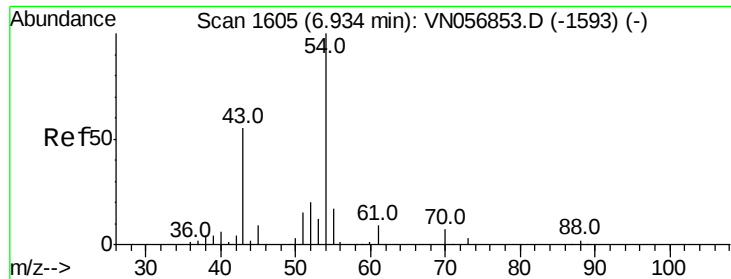
MMDadoda
 7/25/2019 3:01:23 PM



#36
 1,1-Dichloropropene
 Concen: 102.084 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.7	17.9	53.7	
77	30.7	25.0	37.6	





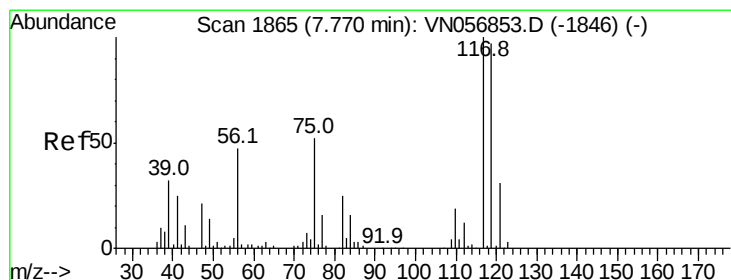
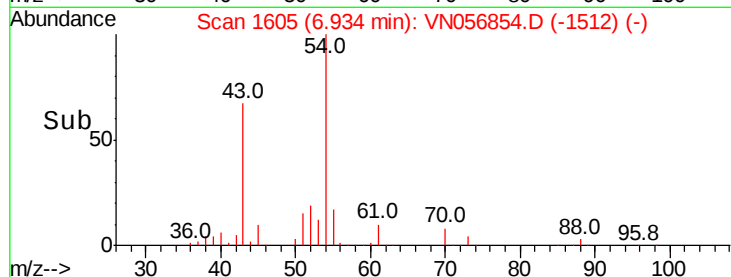
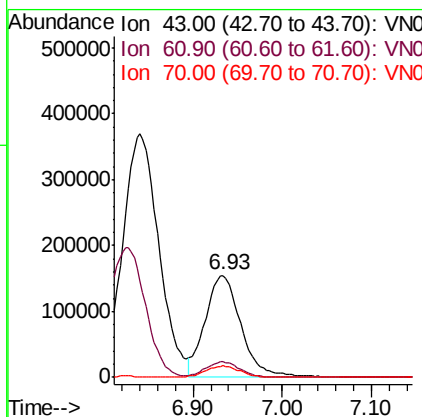
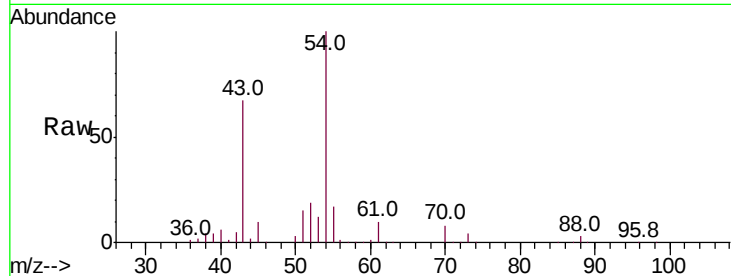
#37
Ethyl Acetate
Concen: 89.665 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.8	17.8
70	11.2	8.6	13.0

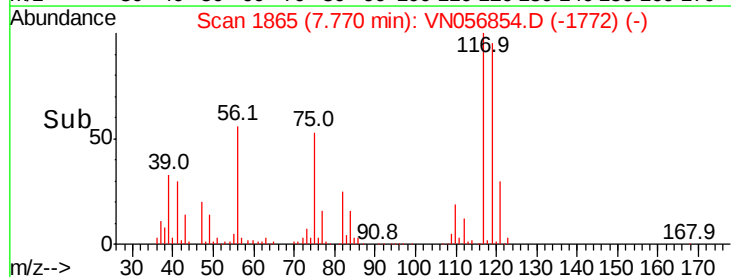
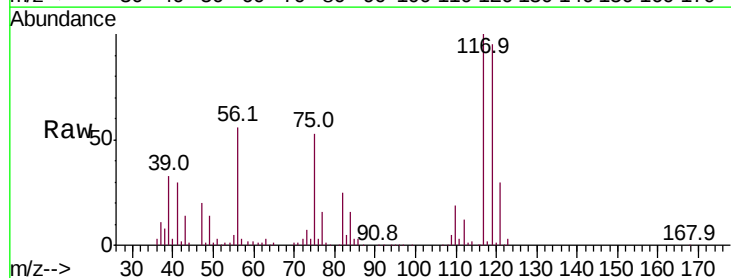
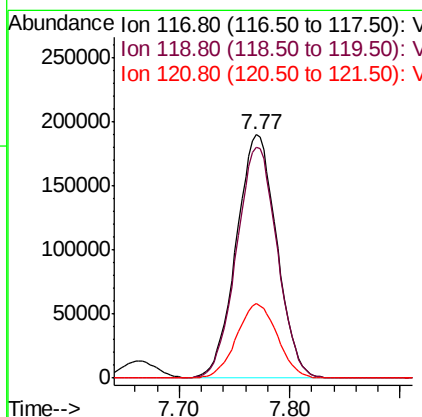
Manual Integrations
APPROVED

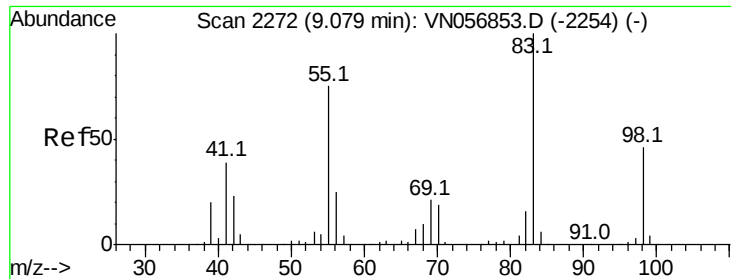
MMDadoda
7/25/2019 3:01:23 PM



#38
Carbon Tetrachloride
Concen: 103.456 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.2	115.8
121	30.5	24.5	36.7





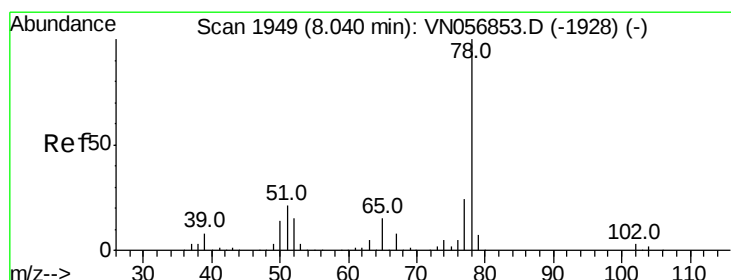
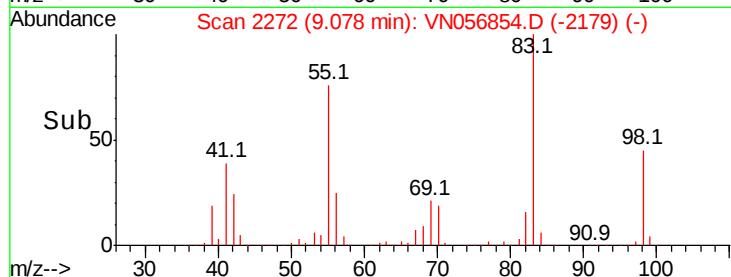
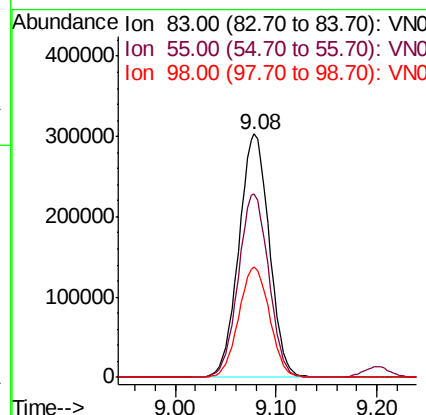
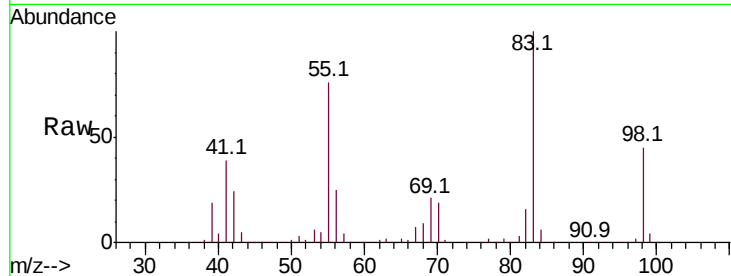
#39
Methvlcvclohexane
Concen: 103.208 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	59.8	89.8
98	45.2	37.1	55.7

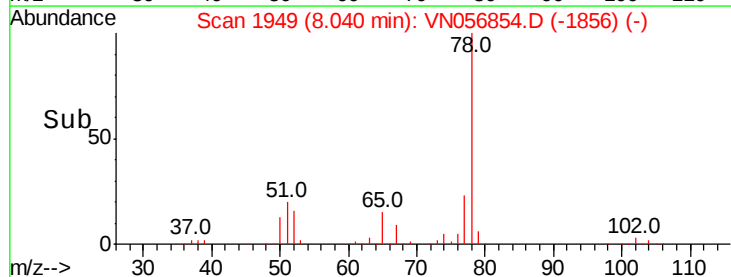
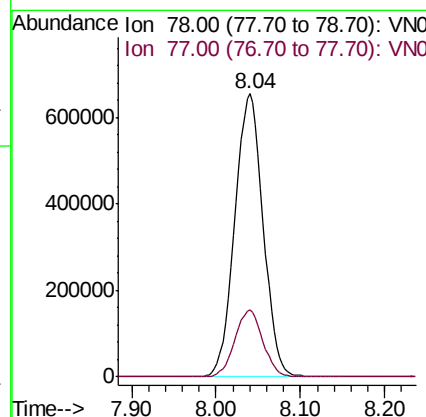
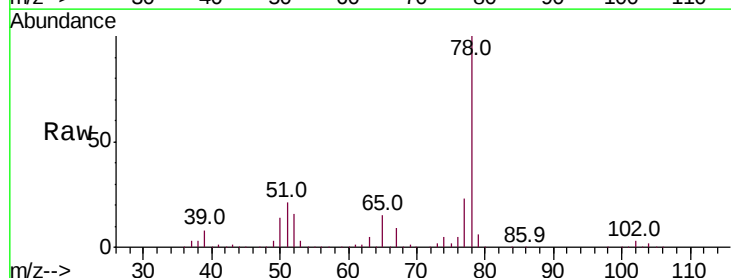
Manual Integrations
APPROVED

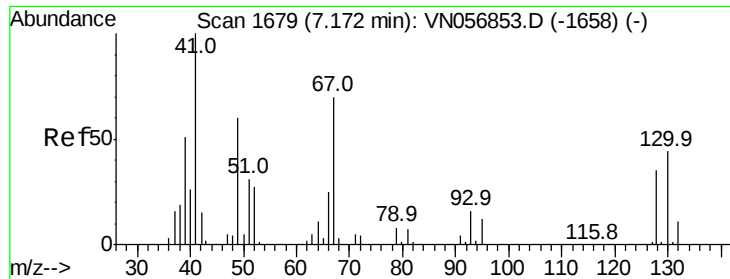
MMDadoda
7/25/2019 3:01:23 PM



#40
Benzene
Concen: 100.712 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





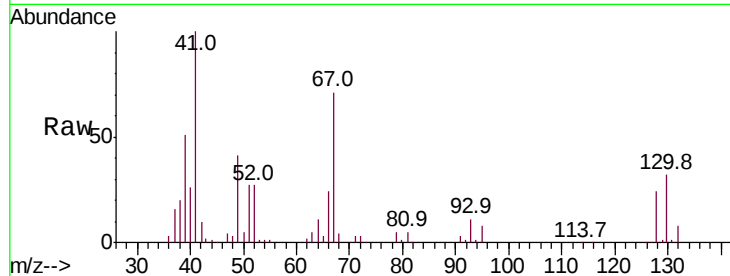
#41
Methacrylonitrile
Concen: 94.104 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	41	Resp	197820
Ion Ratio	100	Lower	Upper
41	100		
39	65.1	44.0	66.0
67	93.7	73.5	110.3
52	36.3	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:23 PM



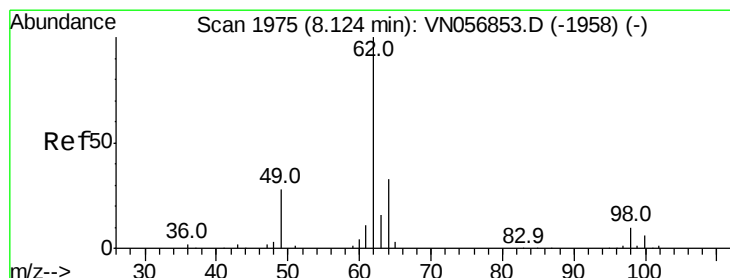
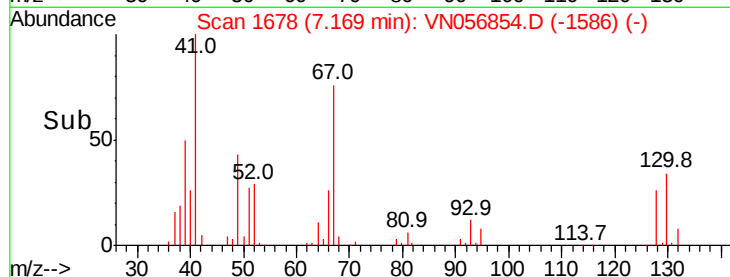
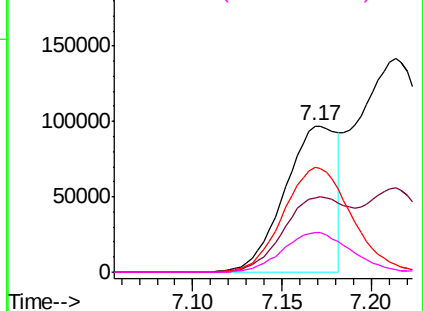
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

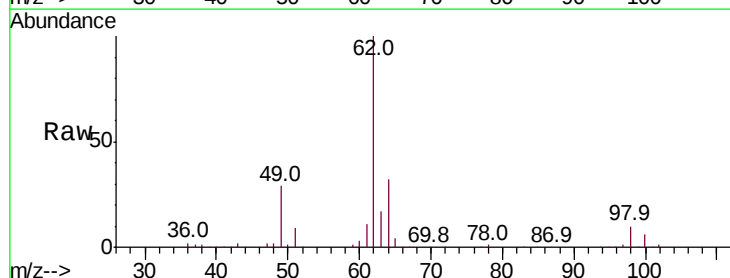
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 99.339 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

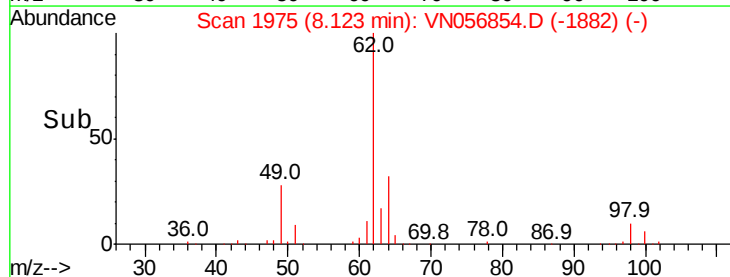
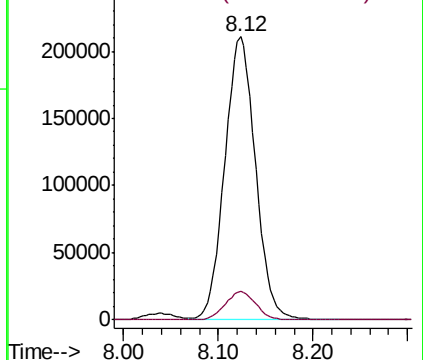
Tgt Ion	62	Resp	475314
Ion Ratio	100	Lower	Upper
62	100		
98	10.0	0.0	19.4

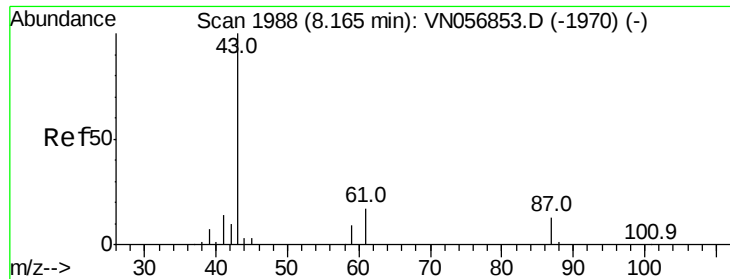


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

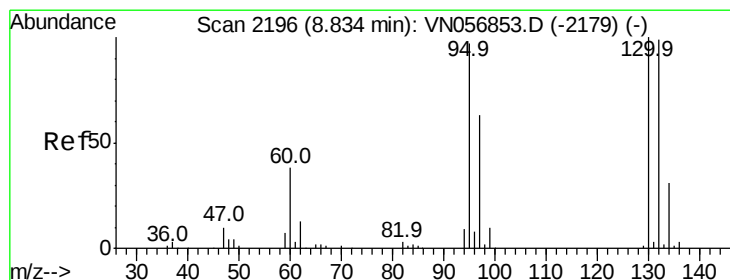
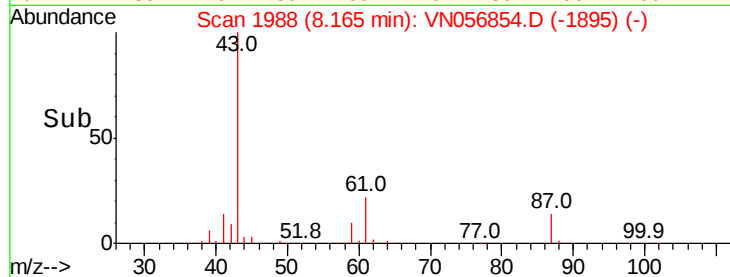
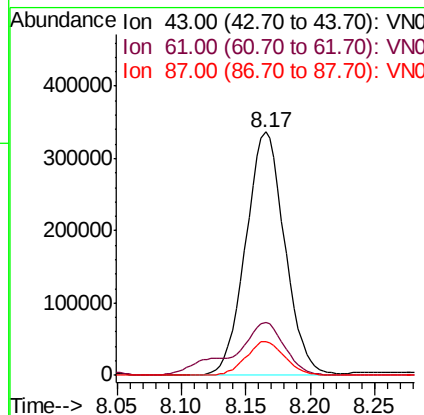
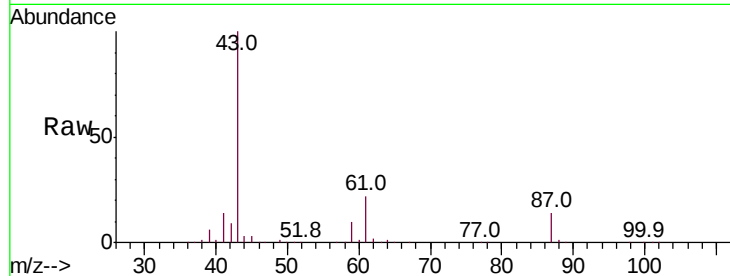
Isopropyl Acetate
 Concen: 94.638 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	17.8	26.6#
87	13.9	11.0	16.4

Manual Integrations
 APPROVED

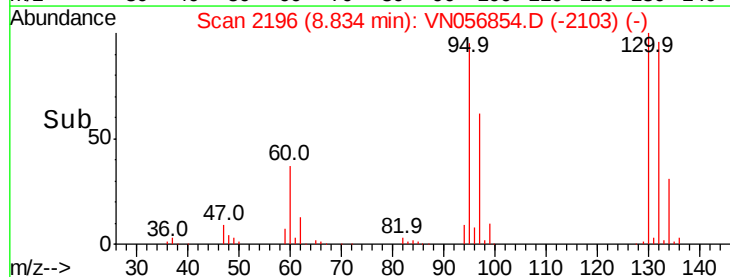
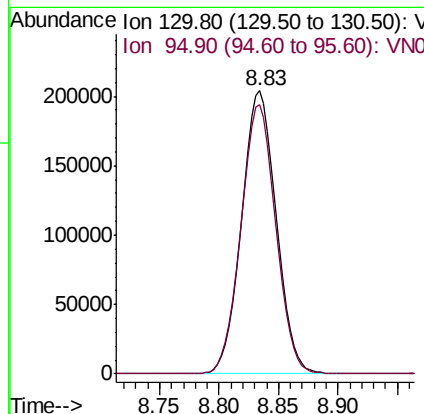
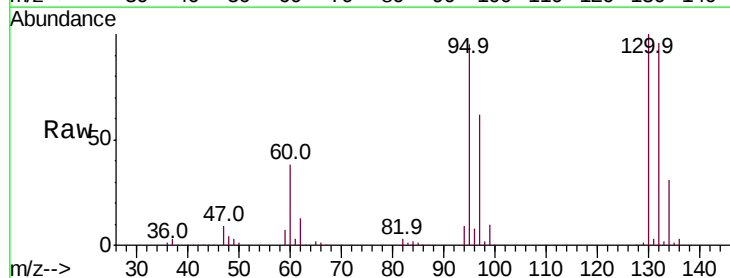
MMDadoda
 7/25/2019 3:01:23 PM

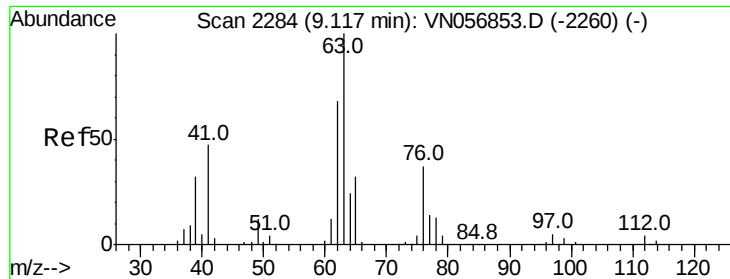


#44

Trichloroethene
 Concen: 99.547 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	194.0





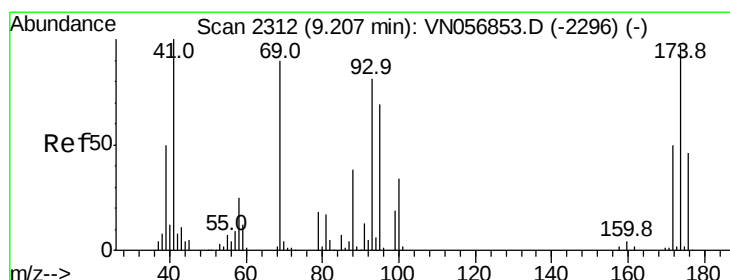
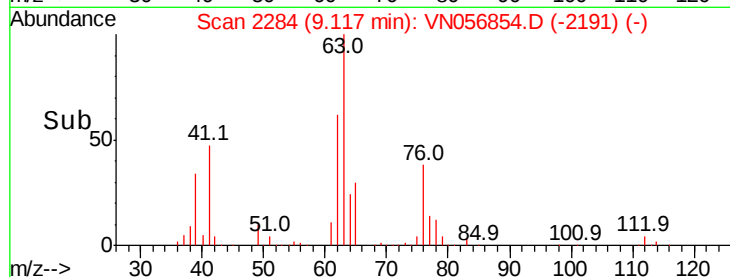
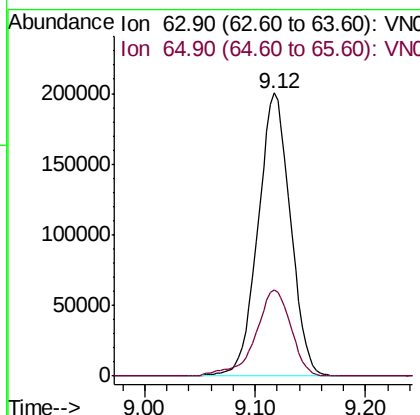
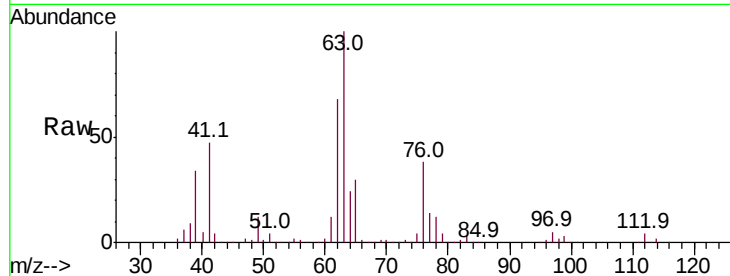
#45
 1,2-Dichloropropane
 Concen: 101.283 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 407865
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.4 38.0

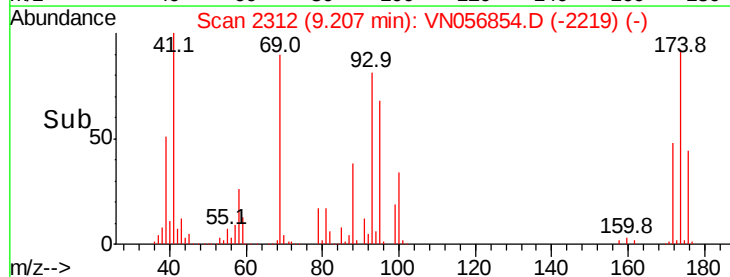
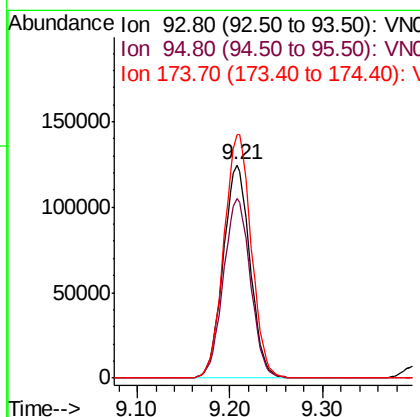
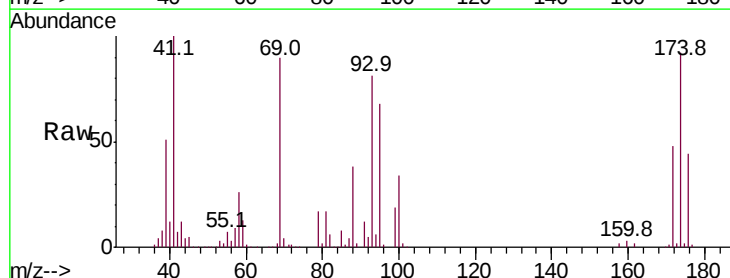
Manual Integrations
 APPROVED

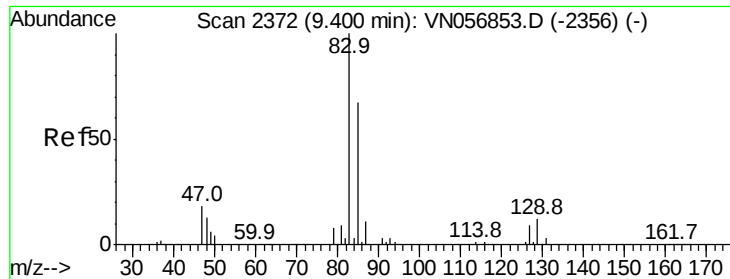
MMDadoda
 7/25/2019 3:01:23 PM



#46
 Dibromomethane
 Concen: 100.750 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion: 93 Resp: 250672
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.4 101.0
 174 116.1 92.9 139.3





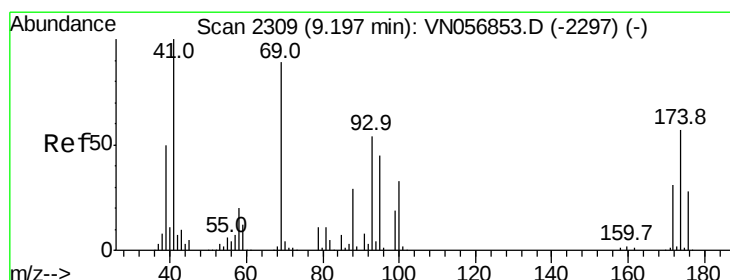
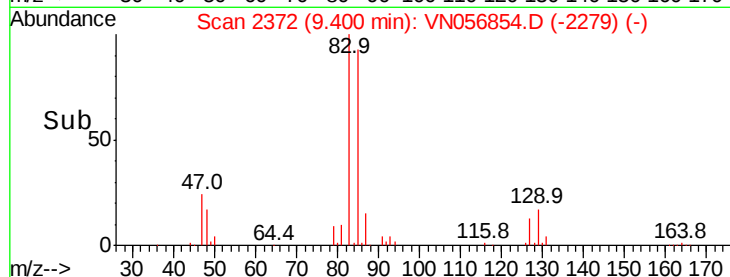
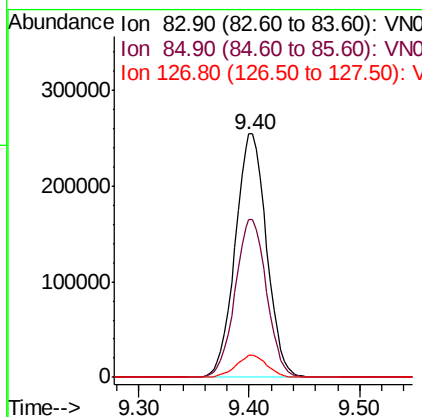
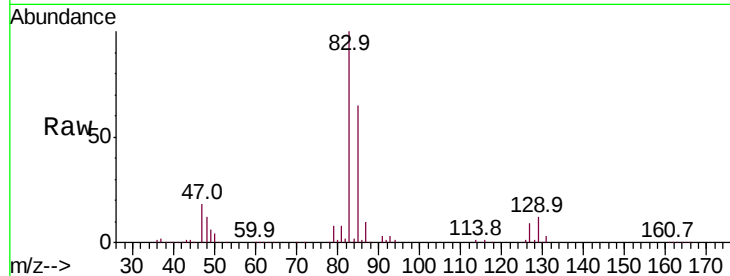
#47
Bromodichloromethane
Concen: 105.387 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	499414		
85	65.1	53.4	80.2	
127	8.9	7.2	10.8	

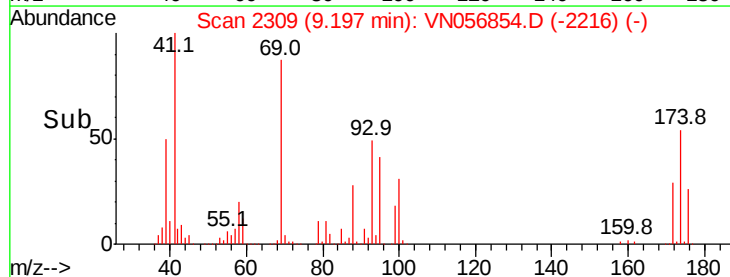
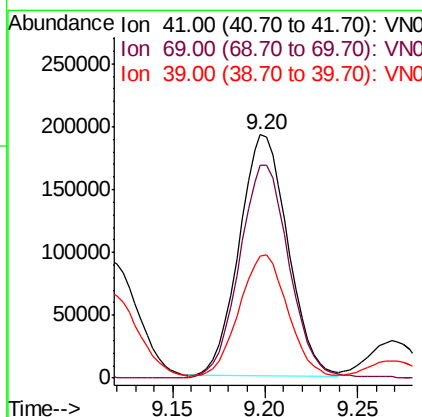
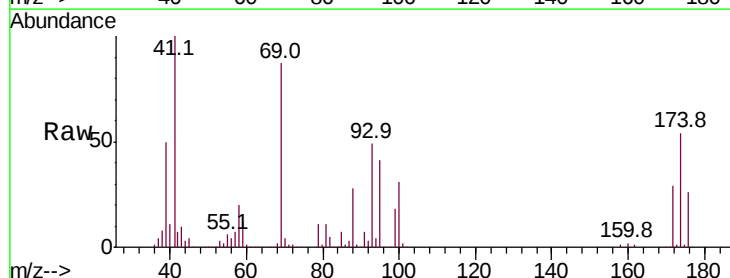
Manual Integrations
APPROVED

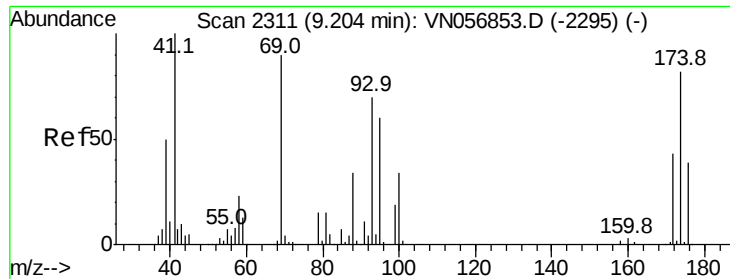
MMDadoda
7/25/2019 3:01:23 PM



#48
Methyl methacrylate
Concen: 96.494 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	351009		
69	90.9	71.1	106.7	
39	51.4	40.6	60.8	





#49

1,4-Dioxane

Concen: 1901.914 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 88 Resp: 142956

Ion Ratio Lower Upper

88 100

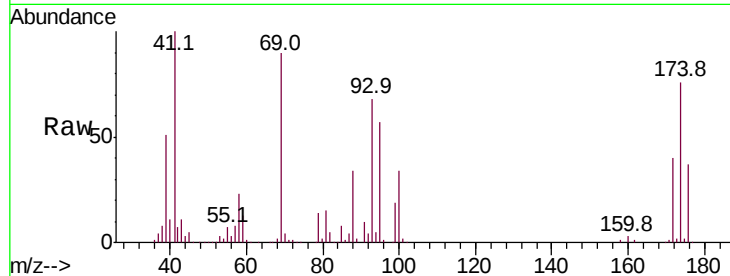
43 28.4 21.4 32.2

58 71.0 55.7 83.5

Manual Integrations
APPROVED

MMDadoda

7/25/2019 3:01:23 PM

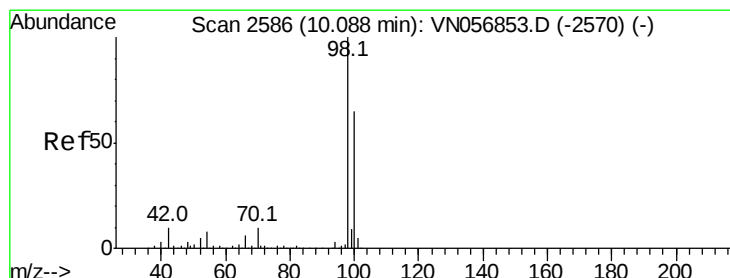
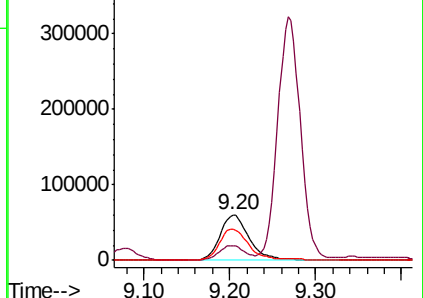
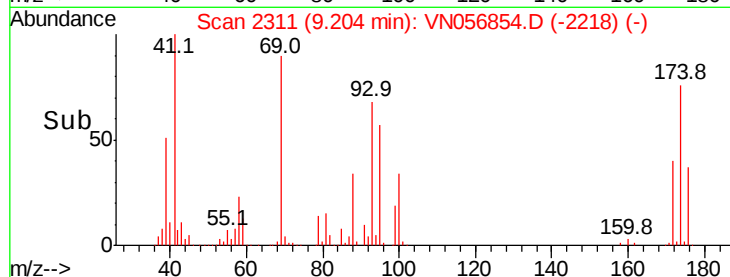


Abundance Ion 88.00 (87.70 to 88.70): VN056853.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN056853.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN056853.D (-2295) (-)

Time-->



#50

Toluene-d8

Concen: 100.884 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056854.D

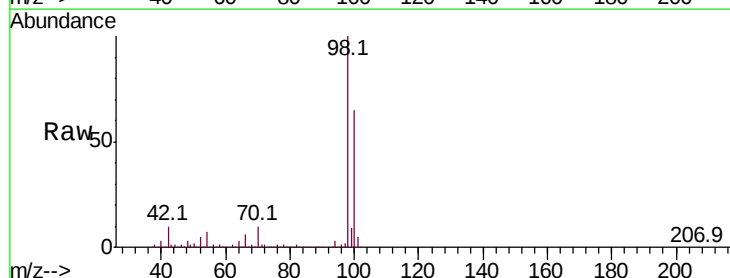
Acq: 22 Jul 2019 13:34

Tgt Ion: 98 Resp: 1284604

Ion Ratio Lower Upper

98 100

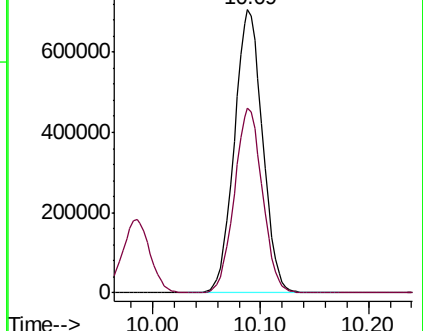
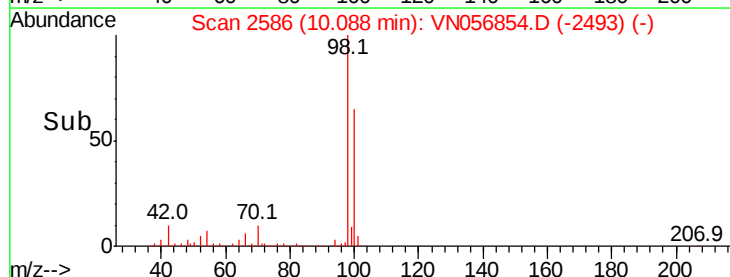
100 64.9 51.5 77.3

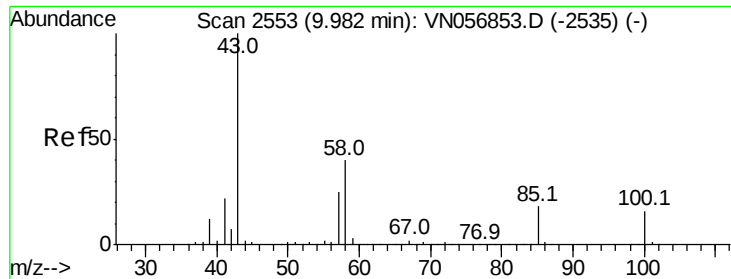


Abundance Ion 98.00 (97.70 to 98.70): VN056853.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056853.D (-2570) (-)

Time-->





#51

4-Methyl-2-Pentanone

Concen: 443.605 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 2131925

Ion Ratio Lower Upper

43 100

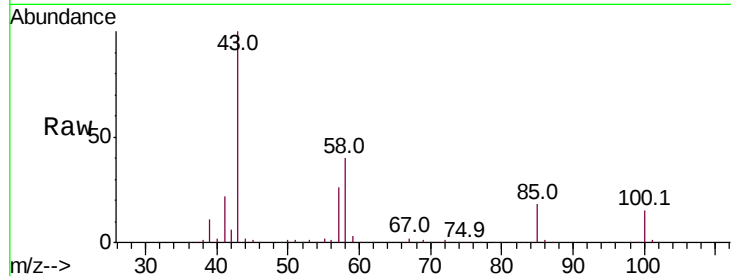
58 40.2 32.4 48.6

Manual Integrations

APPROVED

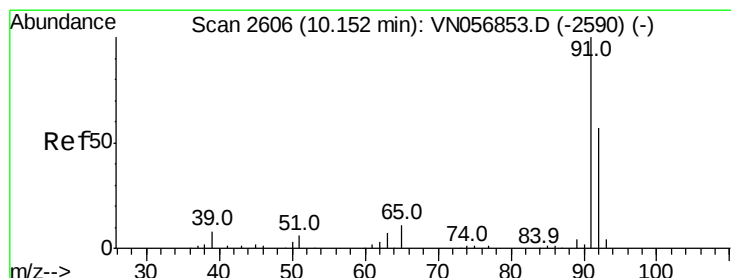
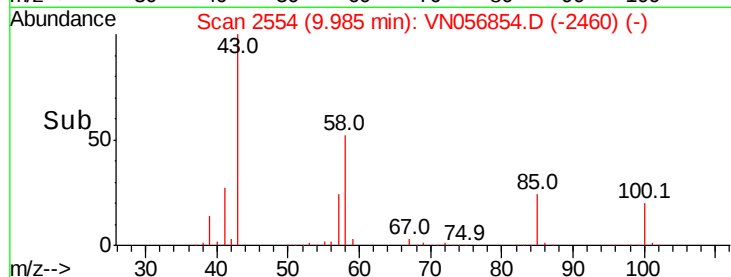
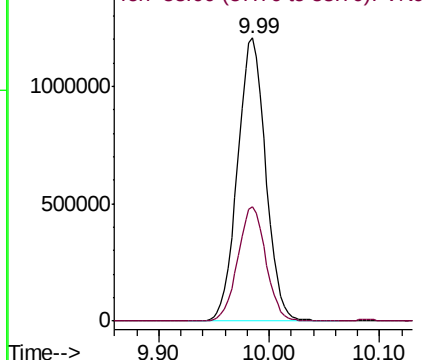
MMDadoda

7/25/2019 3:01:23 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 104.827 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056854.D

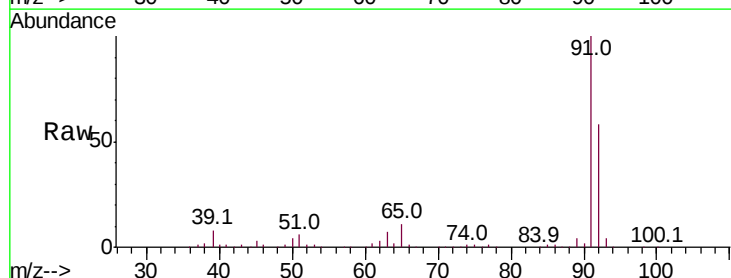
Acq: 22 Jul 2019 13:34

Tgt Ion: 92 Resp: 947031

Ion Ratio Lower Upper

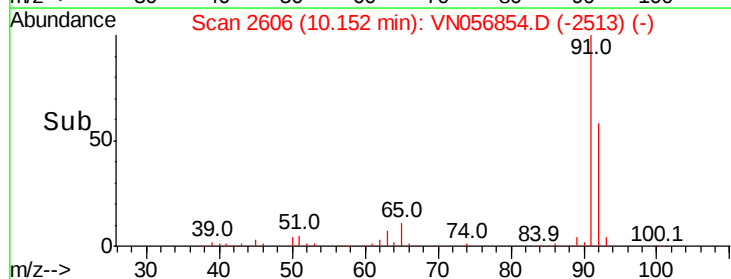
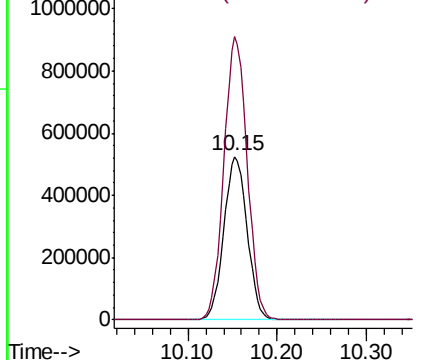
92 100

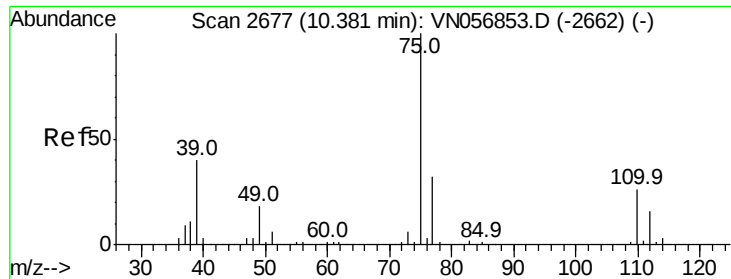
91 173.9 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





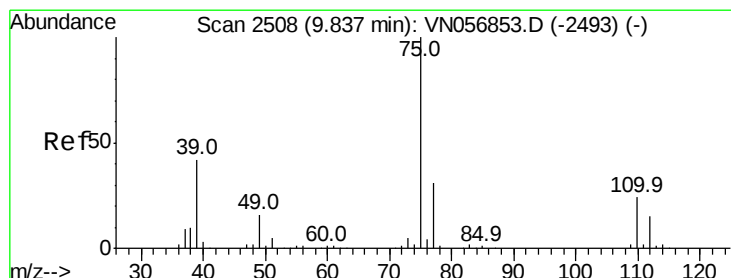
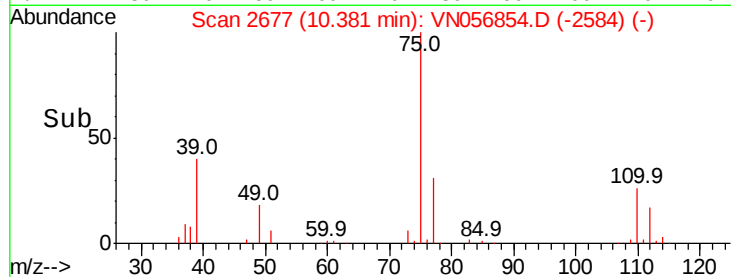
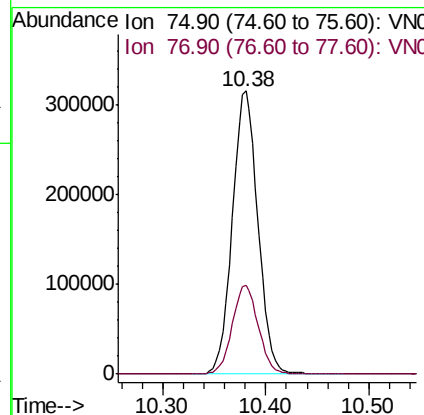
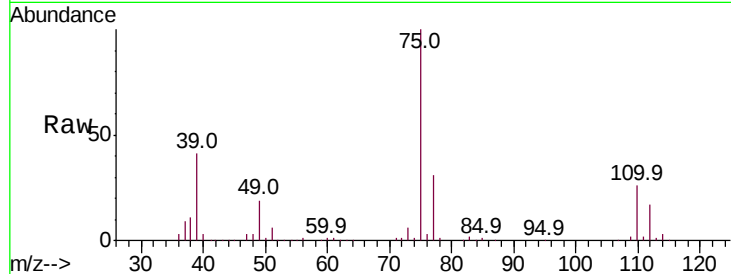
#53
t-1,3-Dichloropropene
Concen: 110.744 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 545768
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.2

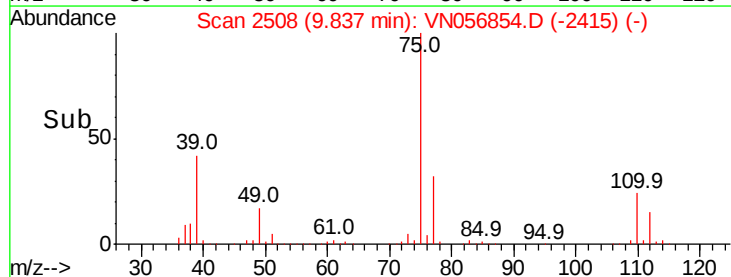
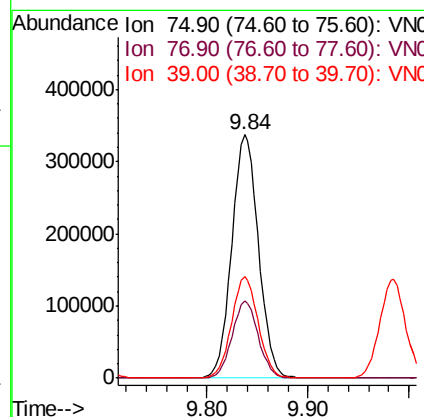
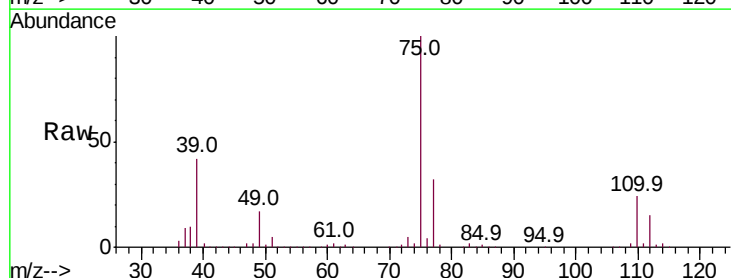
Manual Integrations
APPROVED

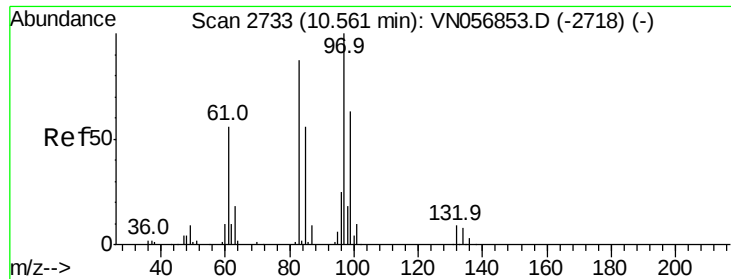
MMDadoda
7/25/2019 3:01:23 PM



#54
cis-1,3-Dichloropropene
Concen: 108.674 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion: 75 Resp: 623174
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7
39 41.5 33.4 50.2





#55

1,1,2-Trichloroethane

Concen: 97.705 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 366906

Ion Ratio Lower Upper

97 100

83 86.9 70.0 105.0

85 56.1 45.1 67.7

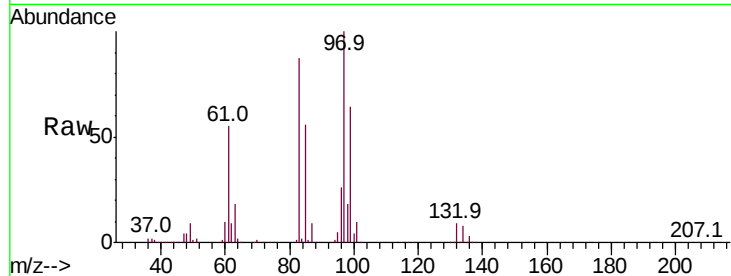
99 63.6 50.2 75.4

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:23 PM

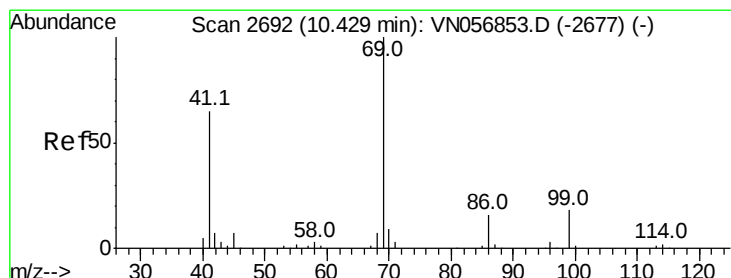
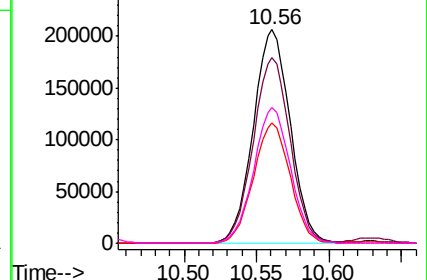
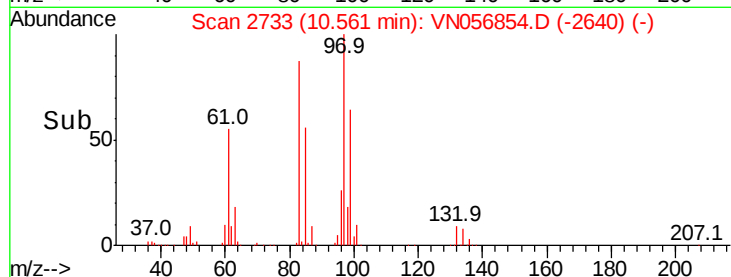


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 105.306 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

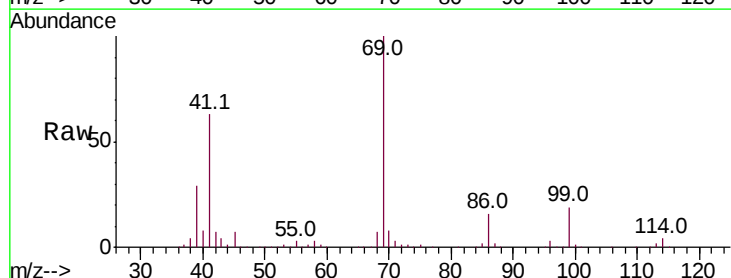
Tgt Ion: 69 Resp: 562476

Ion Ratio Lower Upper

69 100

41 62.8 51.0 76.6

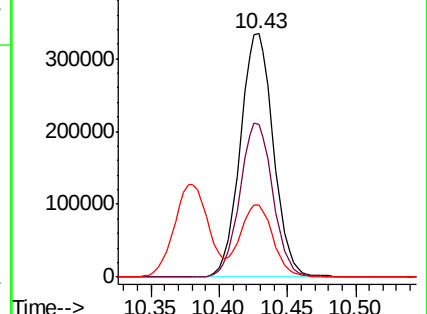
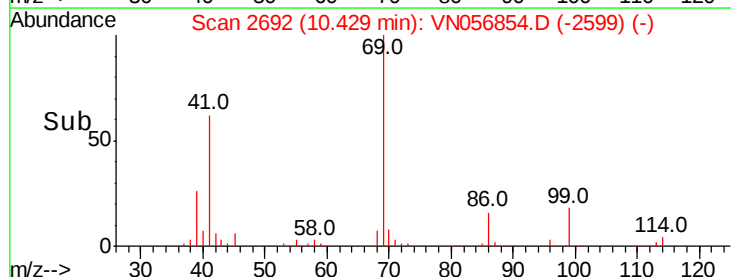
39 29.8 24.5 36.7

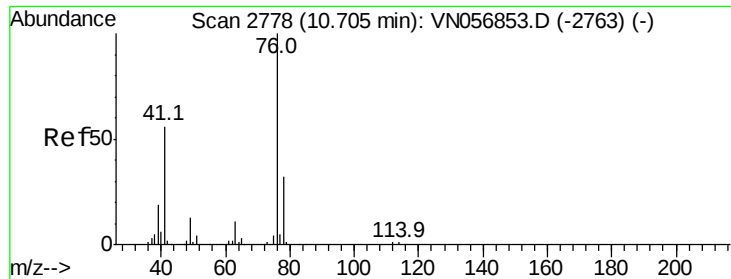


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 101.971 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 626176

Ion Ratio Lower Upper

76 100

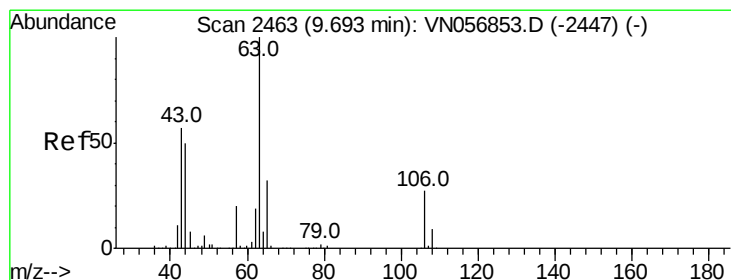
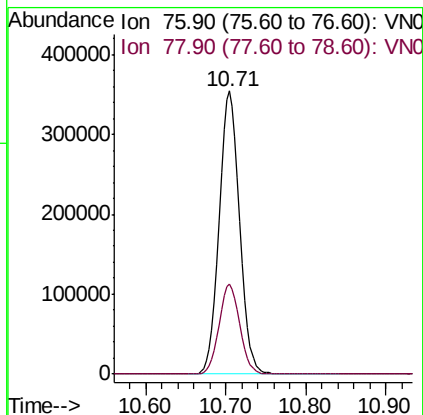
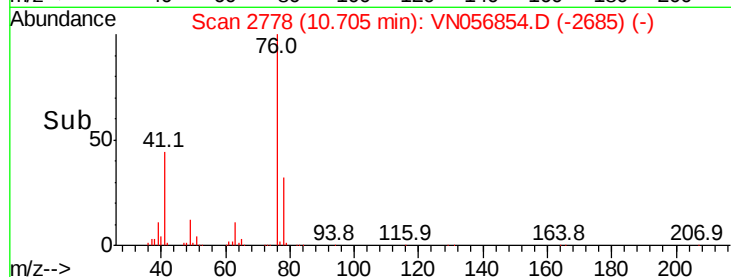
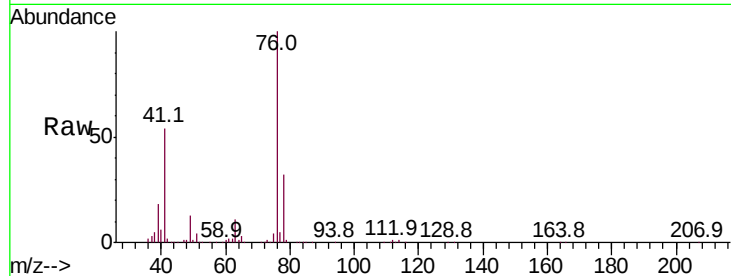
78 32.2 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:23 PM



#58

2-Chloroethyl Vinyl ether

Concen: 483.186 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056854.D

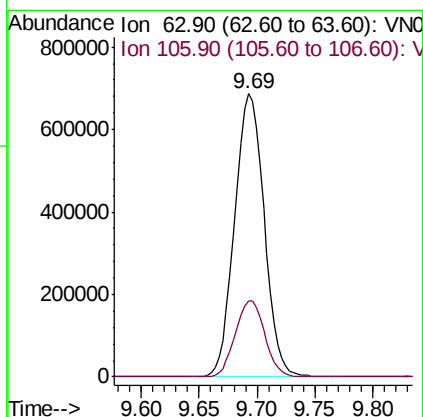
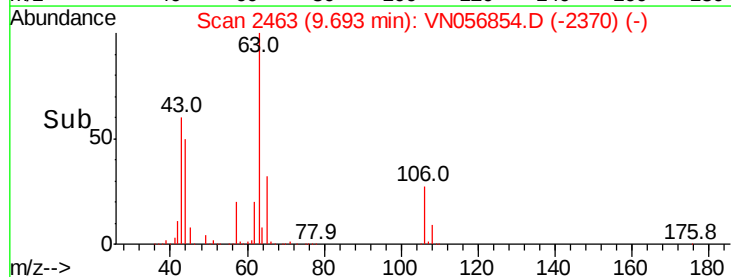
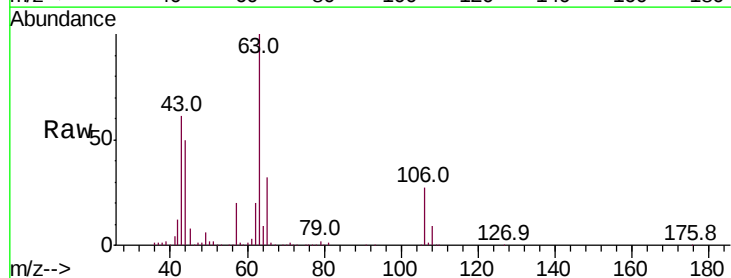
Acq: 22 Jul 2019 13:34

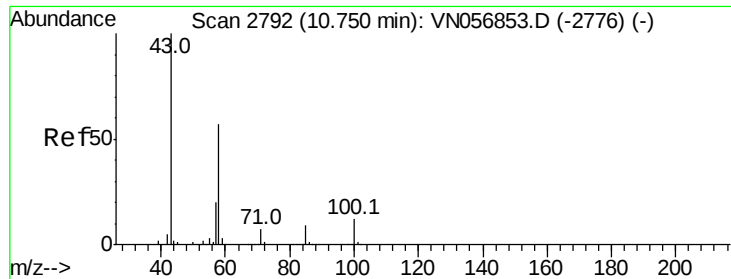
Tgt Ion: 63 Resp: 1215378

Ion Ratio Lower Upper

63 100

106 27.1 21.8 32.8





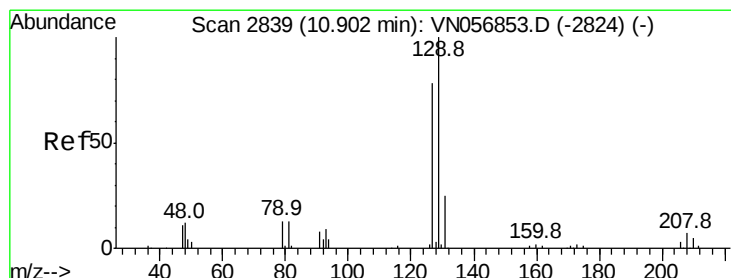
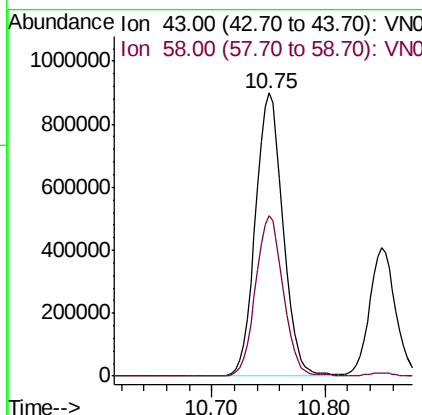
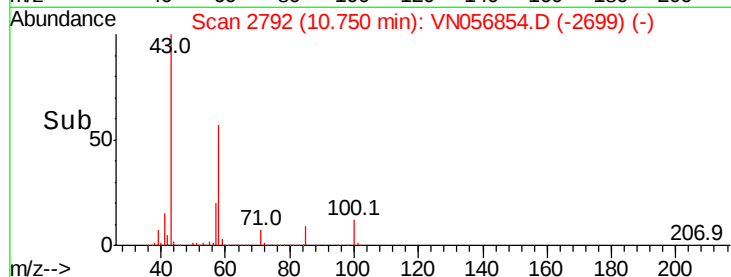
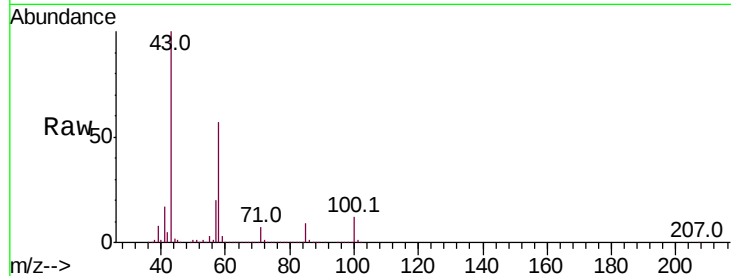
#59
2-Hexanone
Concen: 445.840 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1522493
Ion Ratio Lower Upper
43 100
58 56.8 28.3 85.0

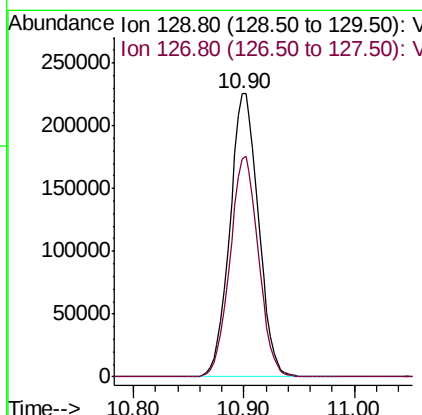
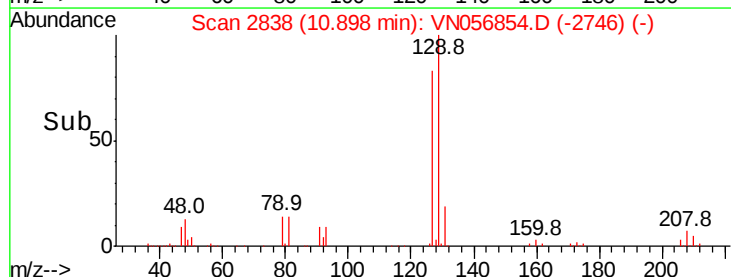
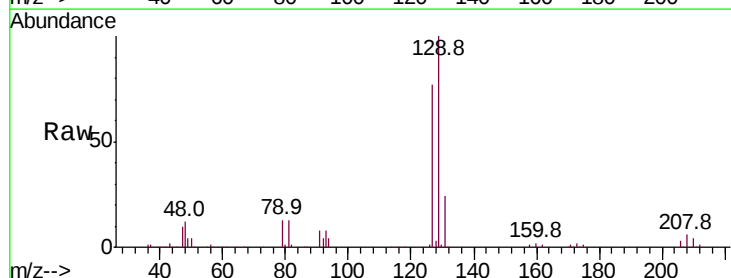
Manual Integrations
APPROVED

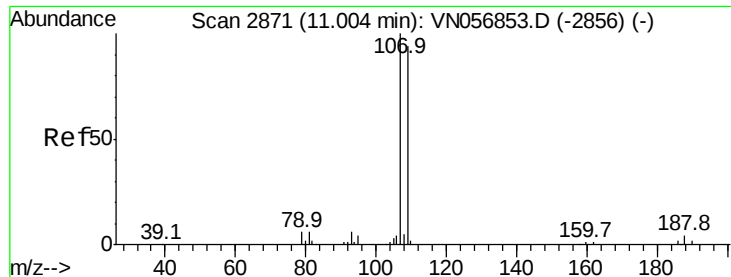
MMDadoda
7/25/2019 3:01:23 PM



#60
Dibromochloromethane
Concen: 109.937 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion: 129 Resp: 406548
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





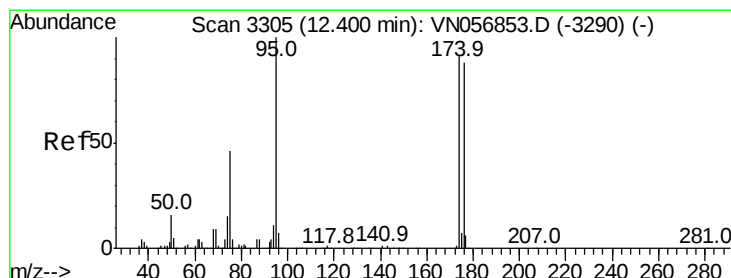
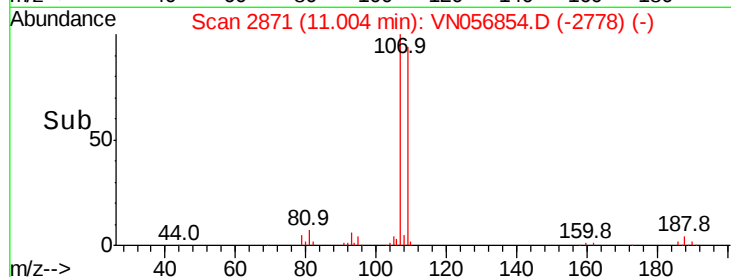
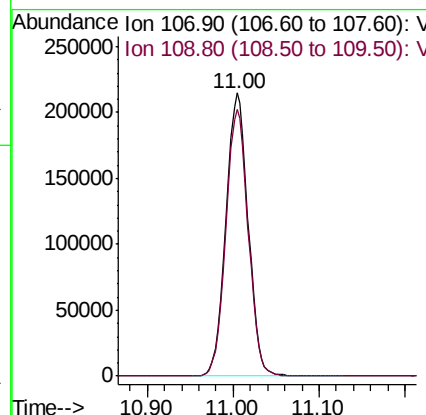
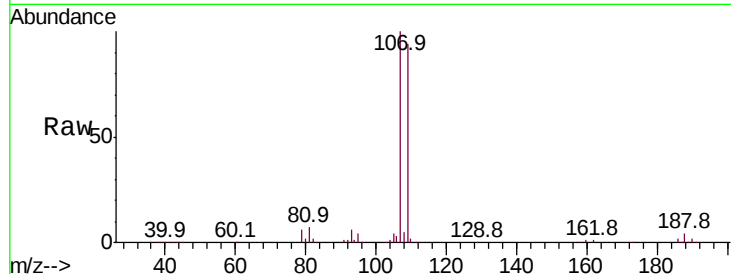
#61
 1,2-Dibromoethane
 Concen: 103.424 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.3	112.9

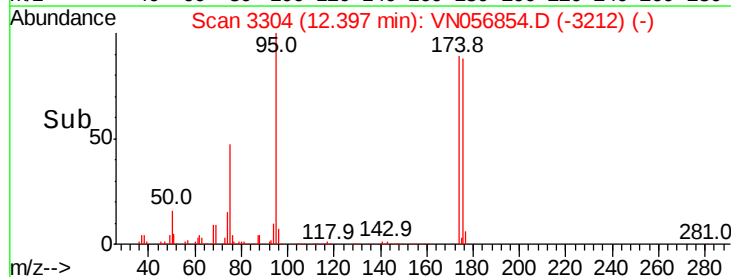
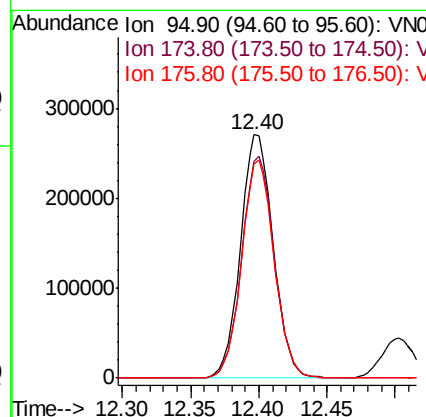
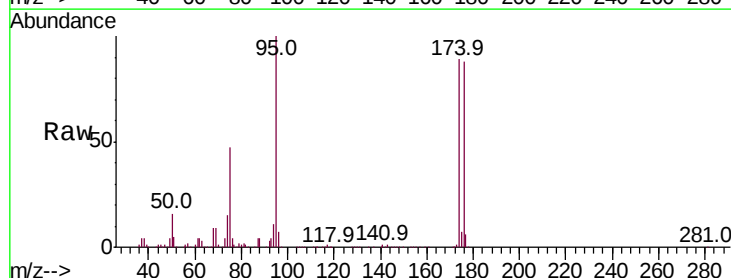
Manual Integrations
 APPROVED

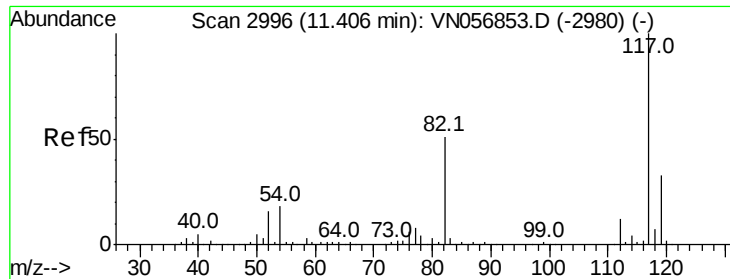
MMDadoda
 7/25/2019 3:01:23 PM



#62
 4-Bromofluorobenzene
 Concen: 105.418 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	183.4
176	88.8	0.0	175.8





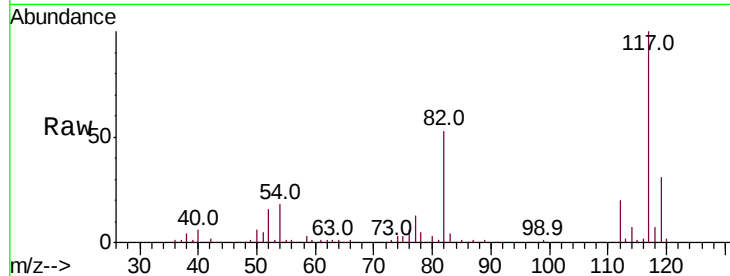
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	41.2	61.8
119	31.4	26.4	39.6

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:23 PM

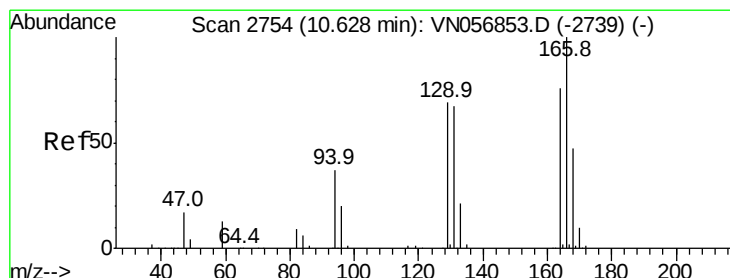
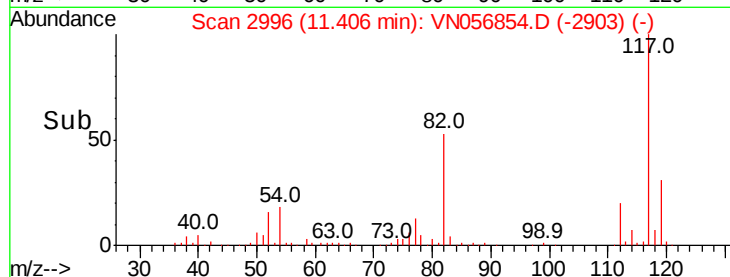
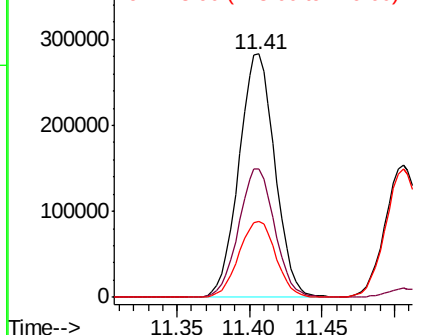


Abundance

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: 94.310 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	104.9	157.3
129	89.5	72.8	109.2
131	86.3	70.2	105.2

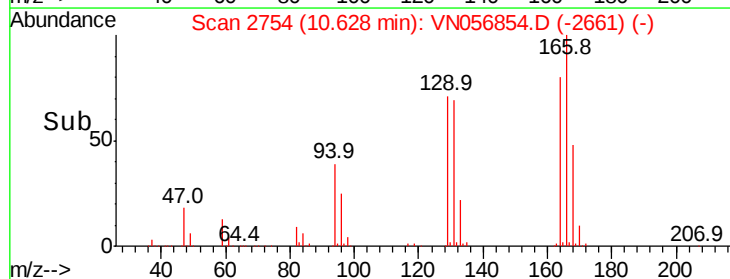
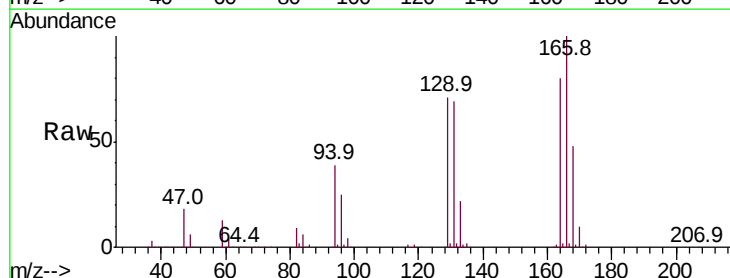
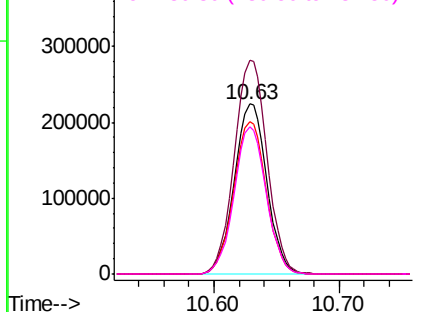
Abundance

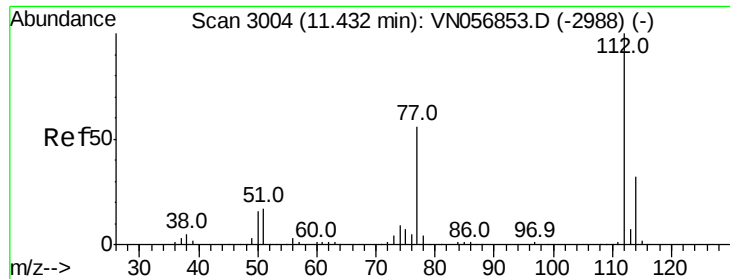
Ion 163.80 (163.50 to 164.50): V

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





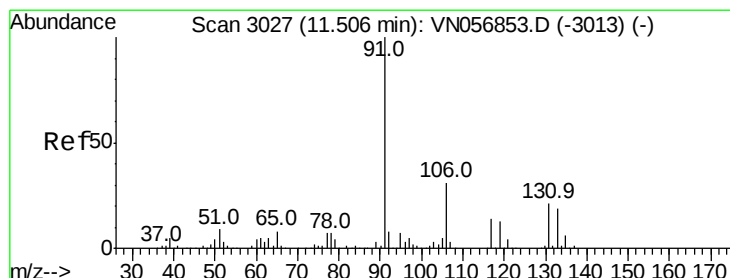
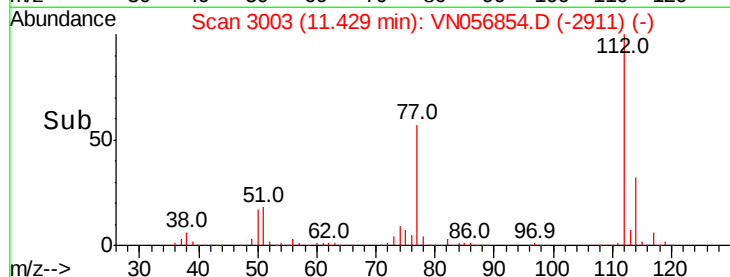
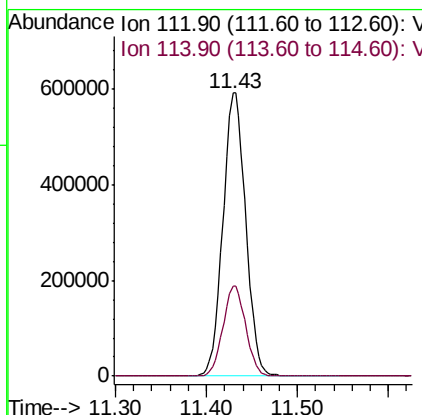
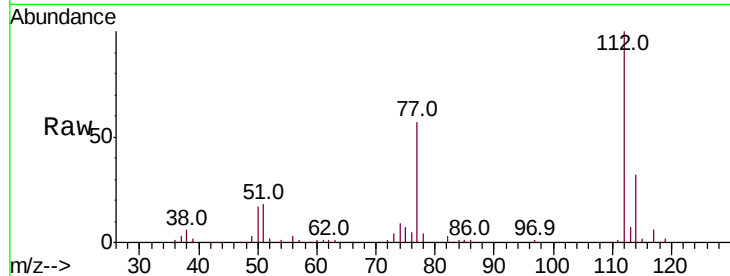
#65
Chlorobenzene
Concen: 101.680 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1029696
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3

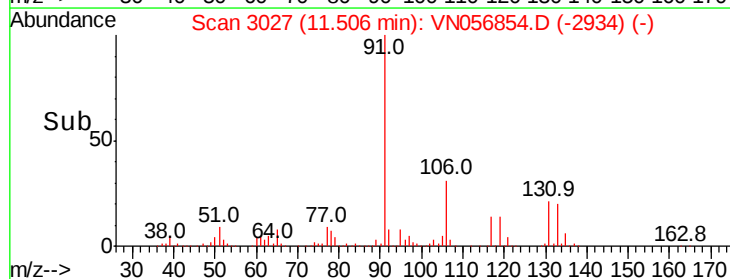
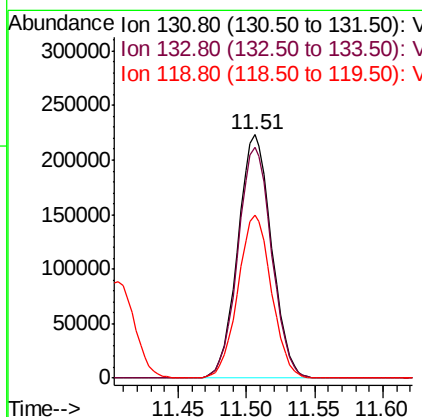
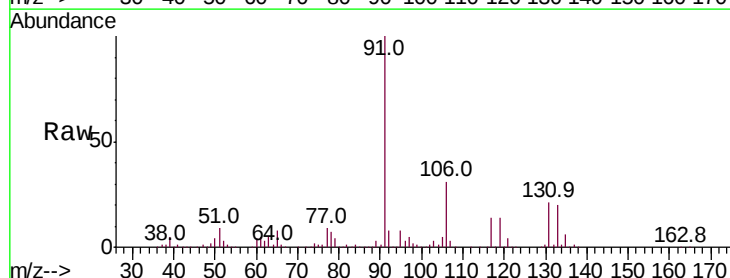
Manual Integrations
APPROVED

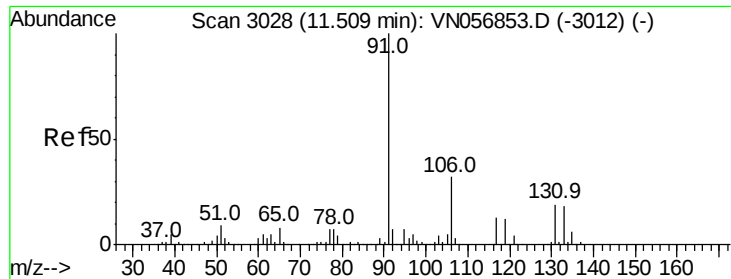
MMDadoda
7/25/2019 3:01:23 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 102.818 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion:131 Resp: 383112
Ion Ratio Lower Upper
131 100
133 95.1 47.4 142.3
119 66.6 33.1 99.5





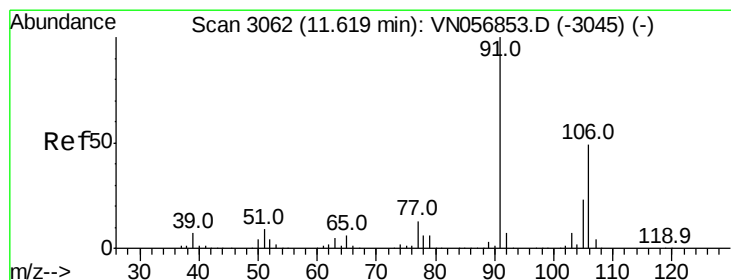
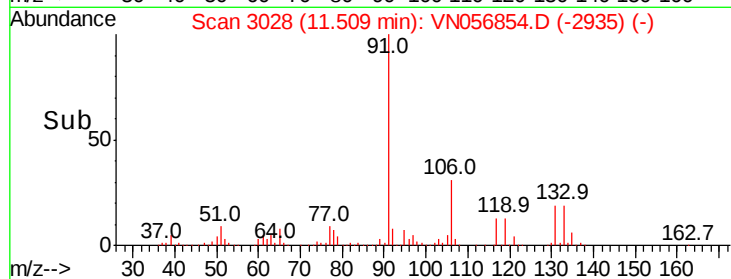
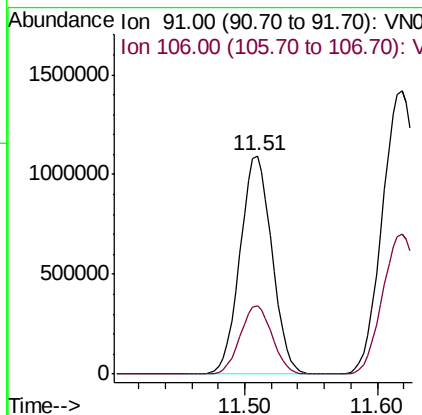
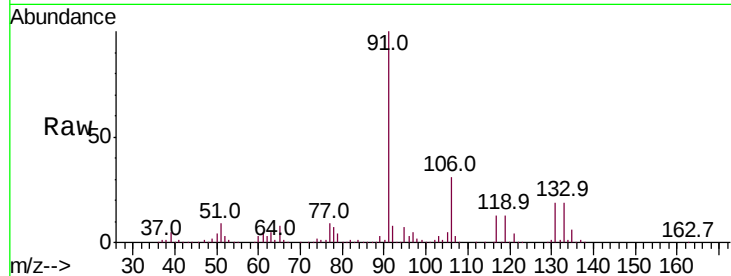
#67
Ethyl Benzene
Concen: 102.704 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1825071
Ion Ratio Lower Upper
91 100
106 31.4 25.3 37.9

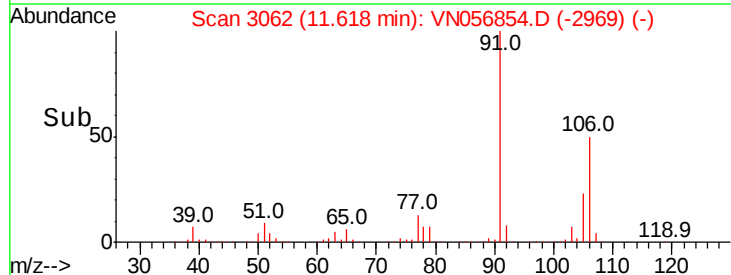
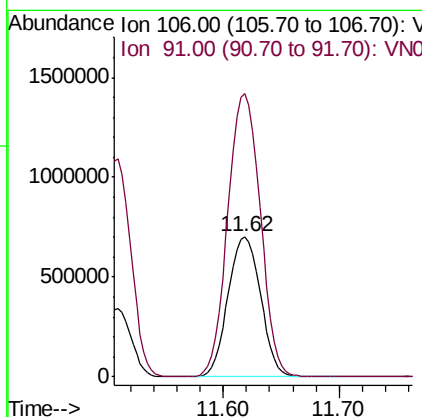
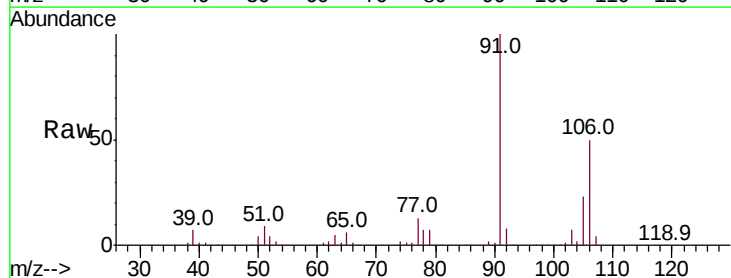
Manual Integrations
APPROVED

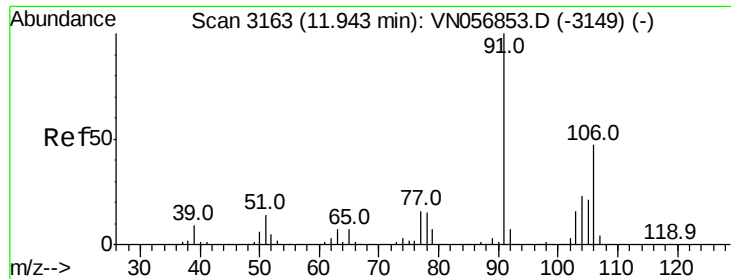
MMDadoda
7/25/2019 3:01:23 PM



#68
m/p-Xylenes
Concen: 207.404 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion:106 Resp: 1376739
Ion Ratio Lower Upper
106 100
91 201.7 160.5 240.7





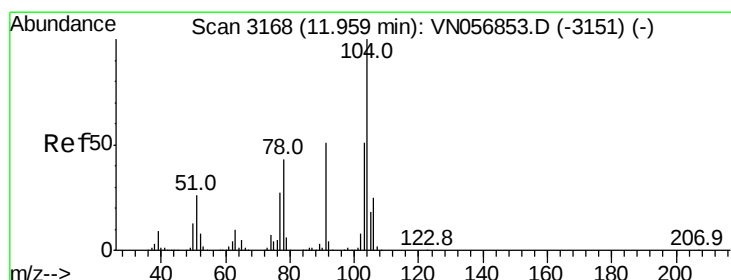
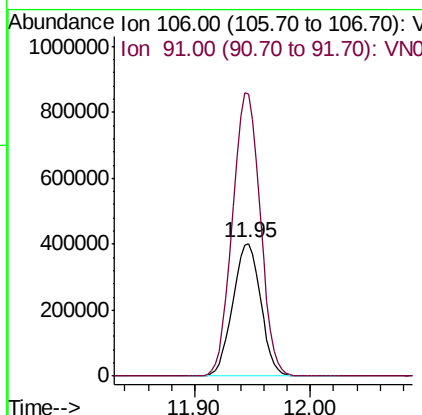
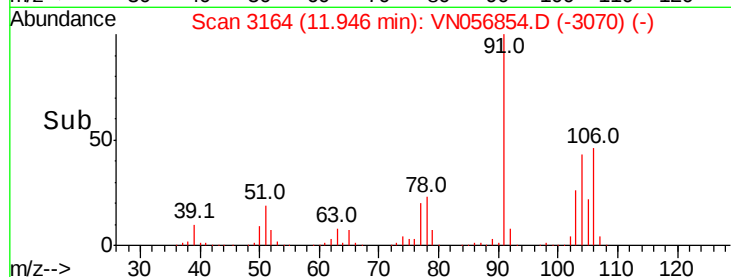
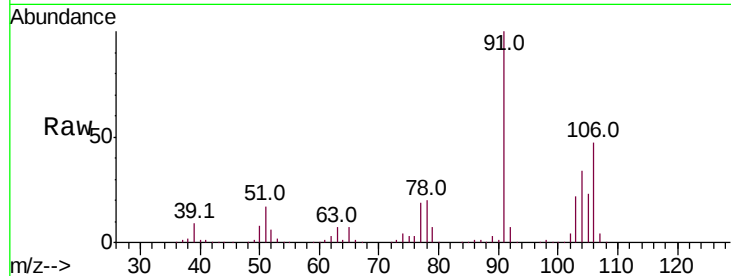
#69
o-Xylene
Concen: 102.174 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 666968
Ion Ratio Lower Upper
106 100
91 212.9 105.1 315.3

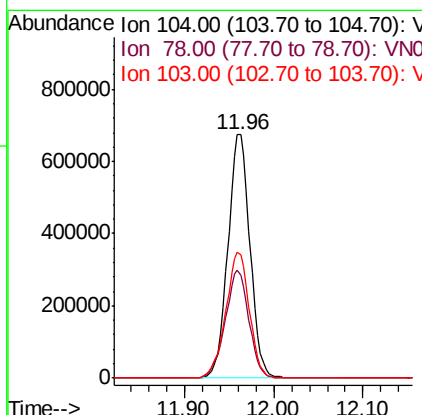
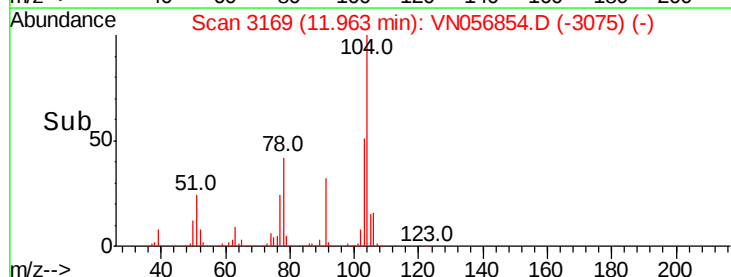
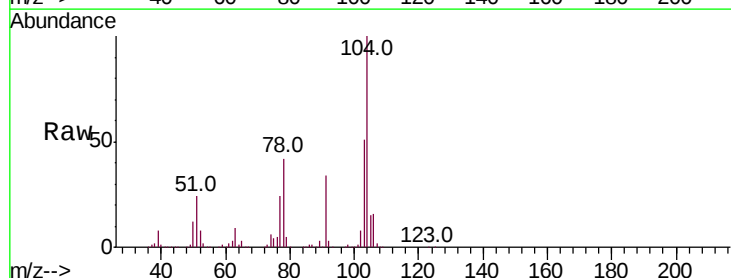
Manual Integrations
APPROVED

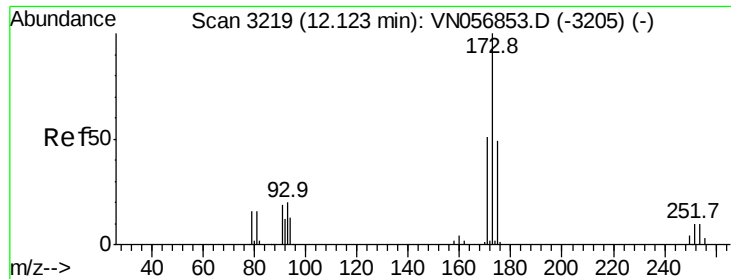
MMDadoda
7/25/2019 3:01:23 PM



#70
Styrene
Concen: 109.198 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion:104 Resp: 1151154
Ion Ratio Lower Upper
104 100
78 47.7 38.1 57.1
103 55.2 44.2 66.4





#71

Bromoform

Concen: 106.721 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 297875

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.3

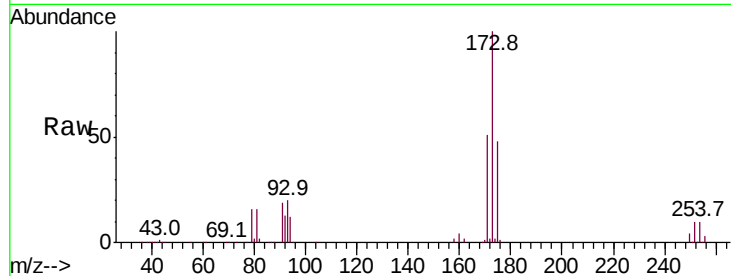
254 0.1 0.0 0.0#

Manual Integrations

APPROVED

MMDadoda

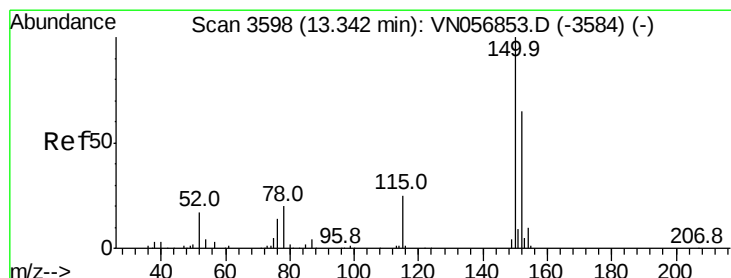
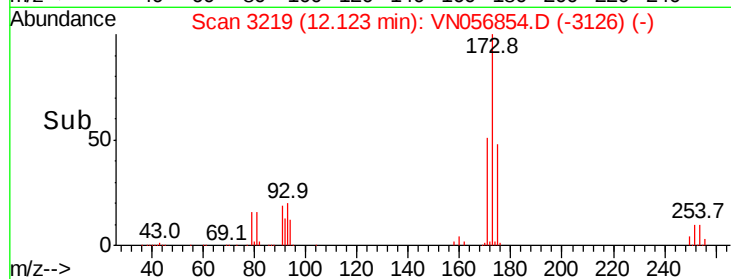
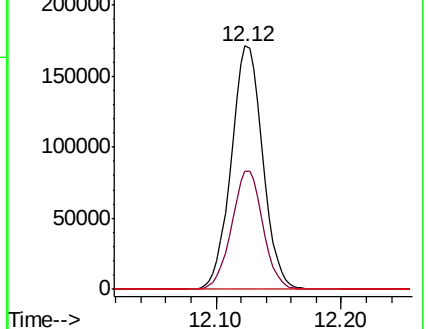
7/25/2019 3:01:23 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

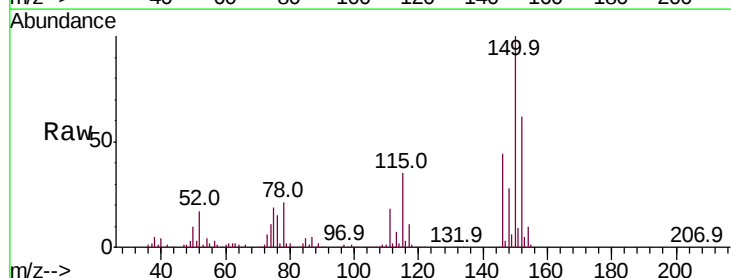
Tgt Ion:152 Resp: 235048

Ion Ratio Lower Upper

152 100

115 55.8 27.6 82.7

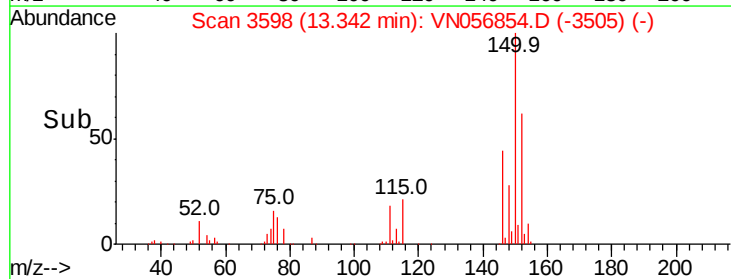
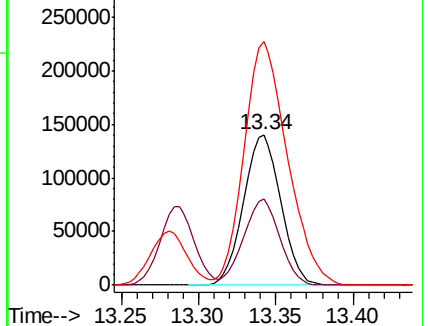
150 188.8 0.0 343.0

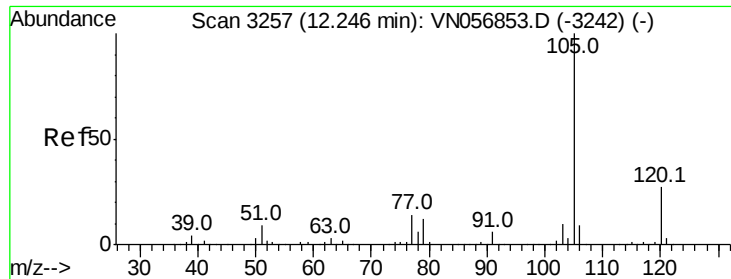


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





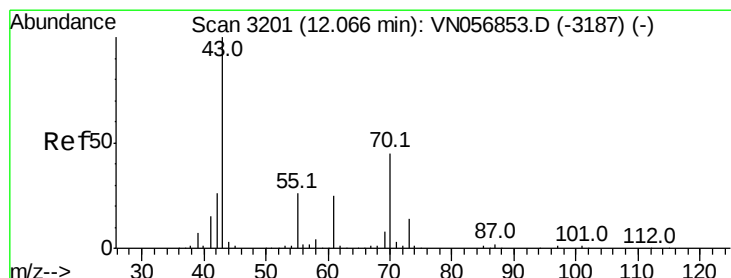
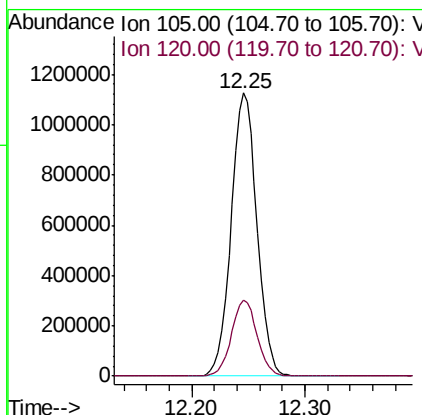
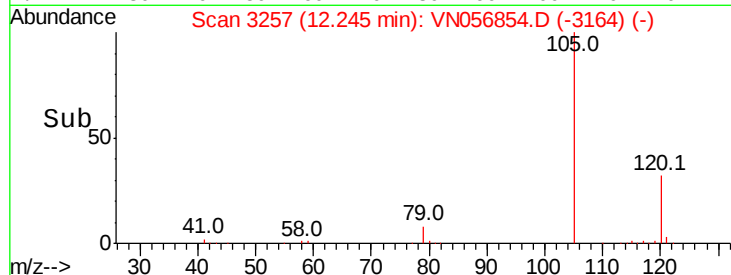
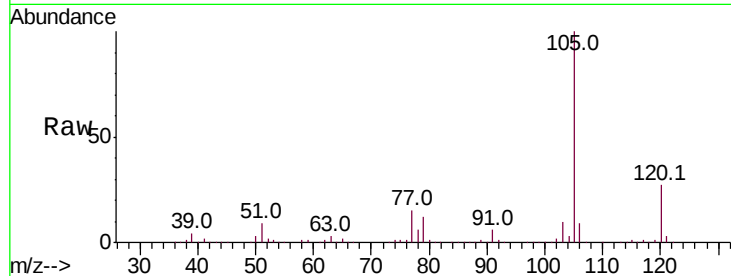
#73
Isopropylbenzene
Concen: 92.118 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 1776536
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.2

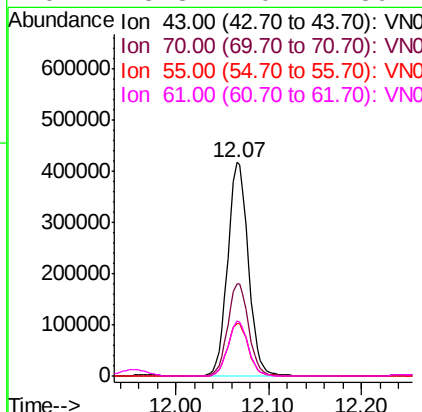
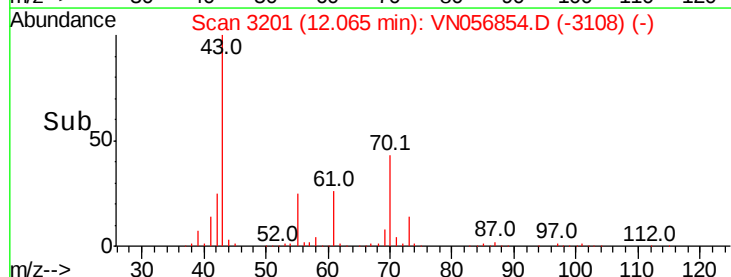
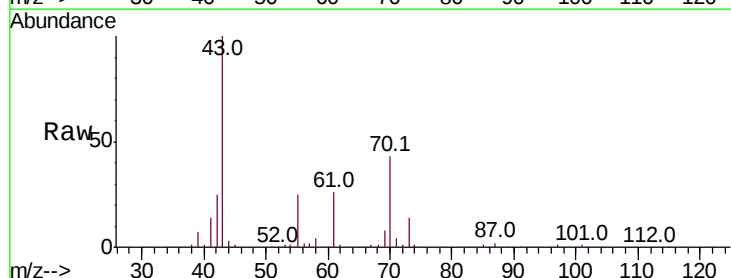
Manual Integrations
APPROVED

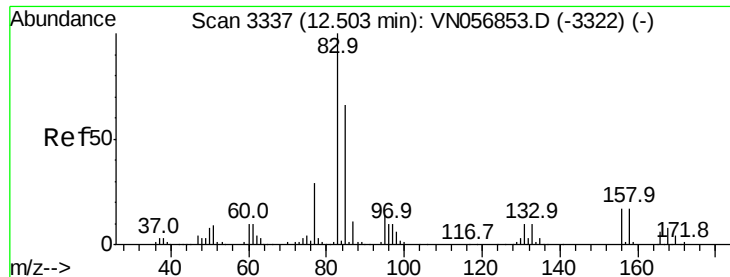
MMDadoda
7/25/2019 3:01:23 PM



#74
N-ethyl acetate
Concen: 91.698 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion: 43 Resp: 644071
Ion Ratio Lower Upper
43 100
70 43.9 35.3 52.9
55 25.1 20.6 31.0
61 25.3 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 79.037 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 502869

Ion Ratio Lower Upper

83 100

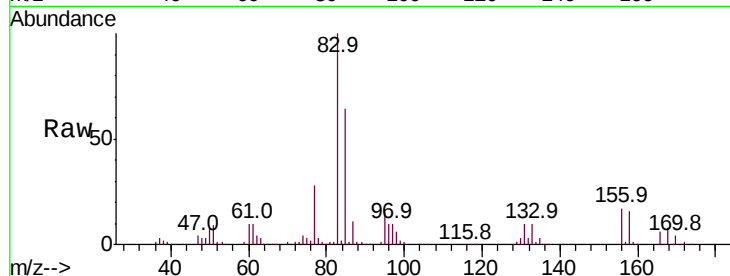
131 10.4 5.1 15.4

85 64.3 32.8 98.3

Manual Integrations
APPROVED

MMDadoda

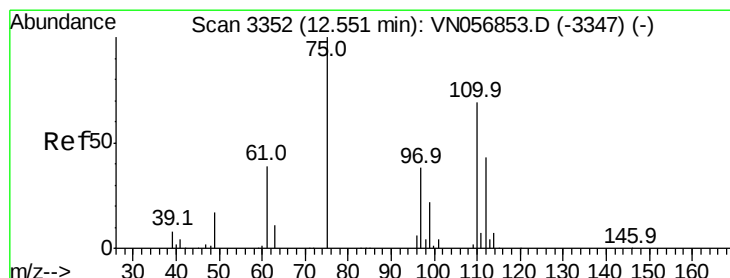
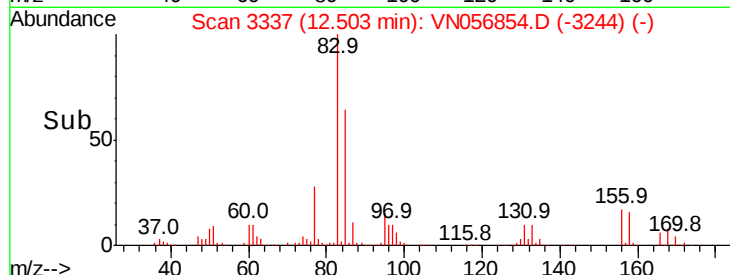
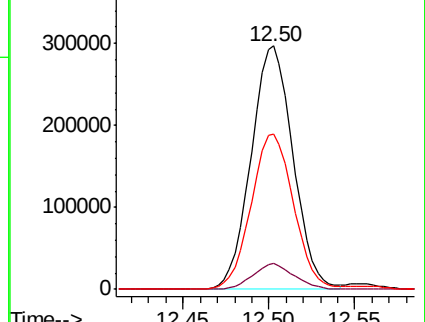
7/25/2019 3:01:23 PM



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 84.522 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056854.D

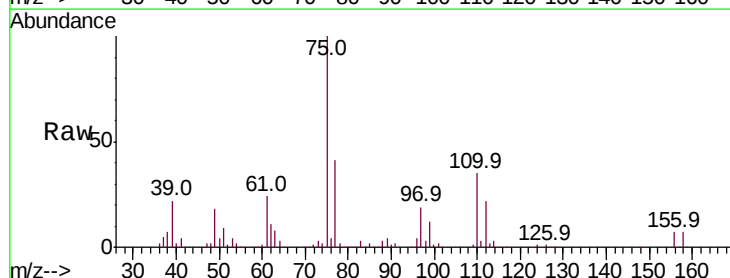
Acq: 22 Jul 2019 13:34

Tgt Ion: 75 Resp: 431802

Ion Ratio Lower Upper

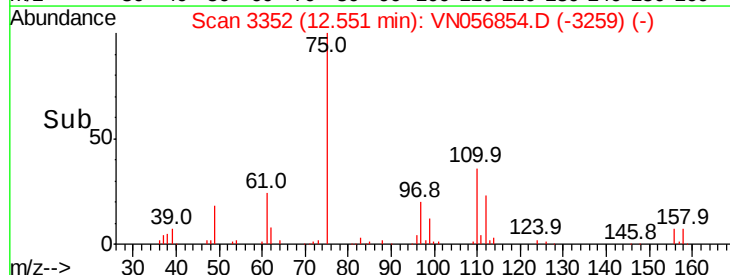
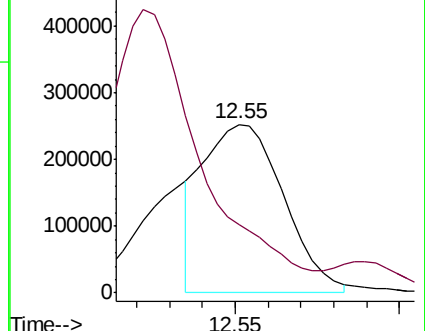
75 100

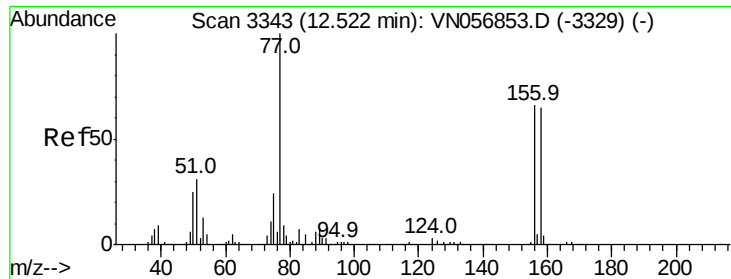
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 93.631 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:156 Resp: 471944

Ion Ratio Lower Upper

156 100

77 183.7 90.7 272.1

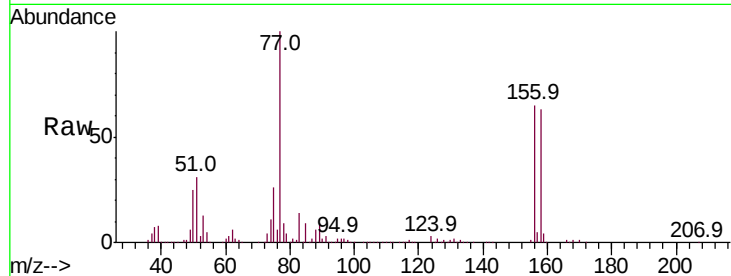
158 97.4 48.5 145.5

Manual Integrations

APPROVED

MMDadoda

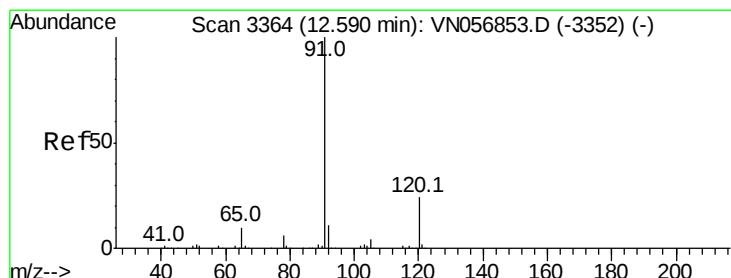
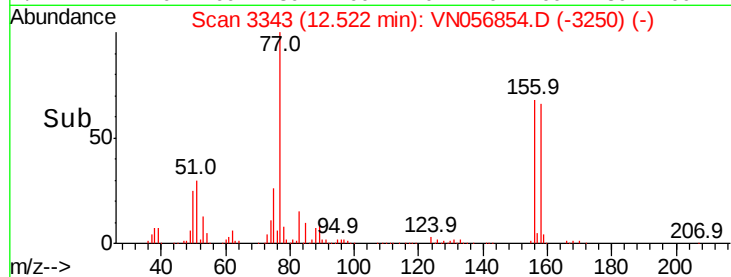
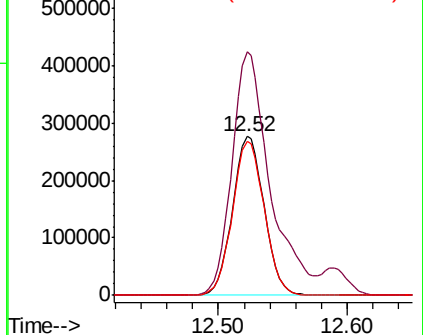
7/25/2019 3:01:23 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 95.202 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056854.D

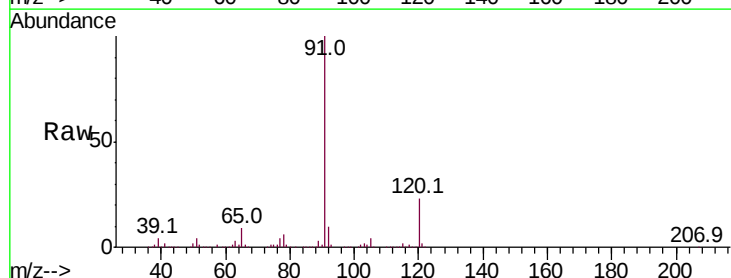
Acq: 22 Jul 2019 13:34

Tgt Ion: 91 Resp: 2028067

Ion Ratio Lower Upper

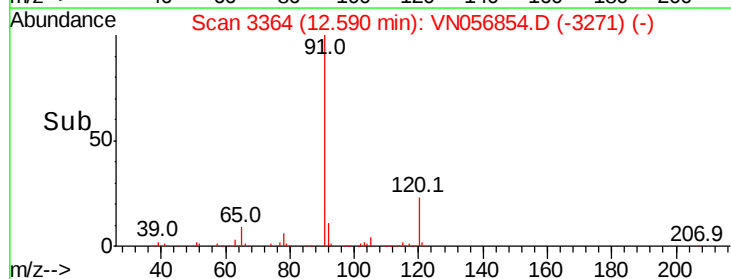
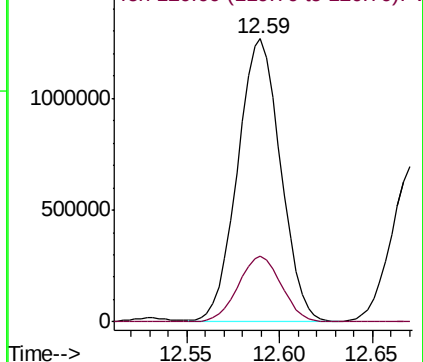
91 100

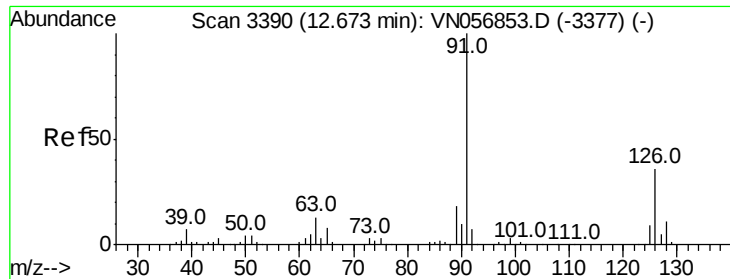
120 23.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





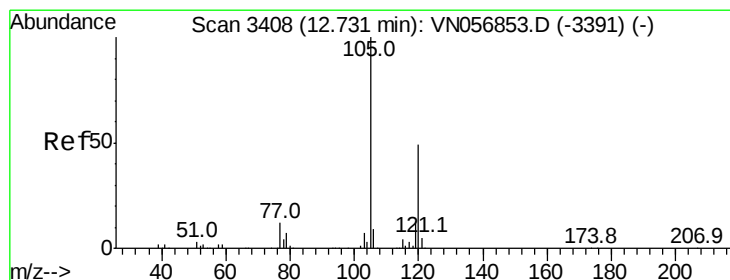
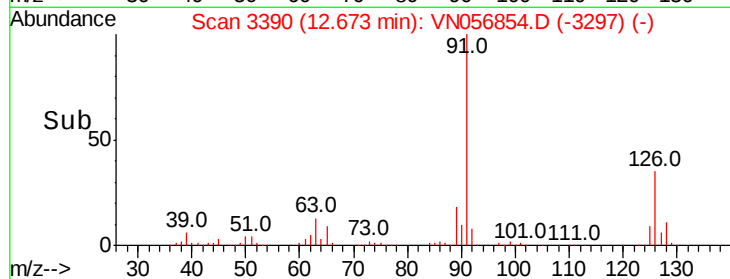
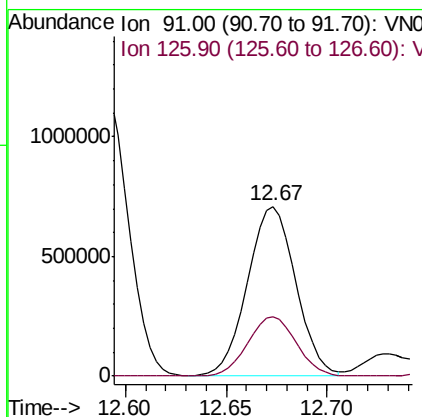
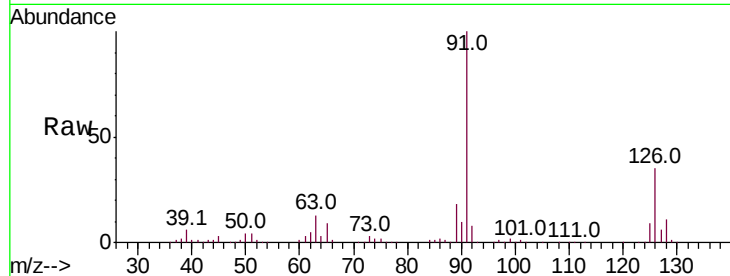
#79
 2-Chlorotoluene
 Concen: 89.798 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 91 Resp: 1183761
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.8 53.5

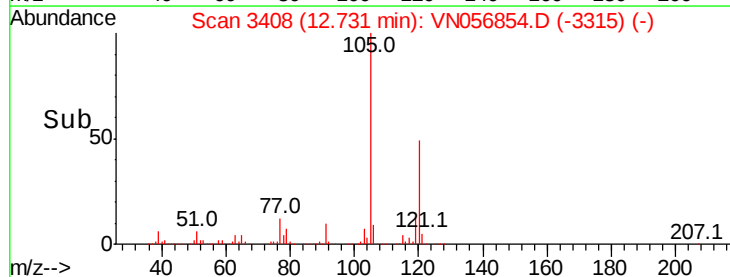
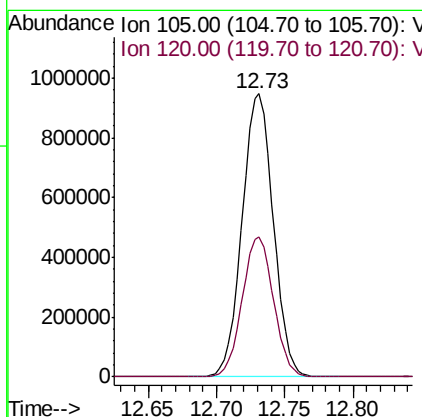
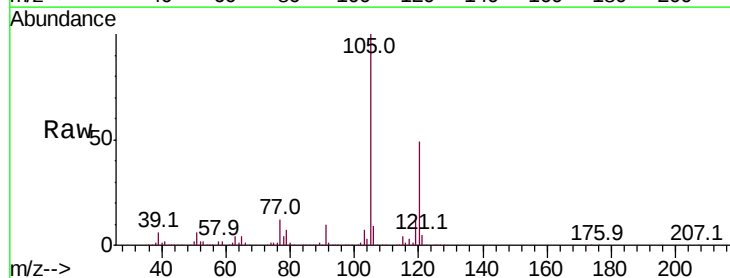
Manual Integrations
 APPROVED

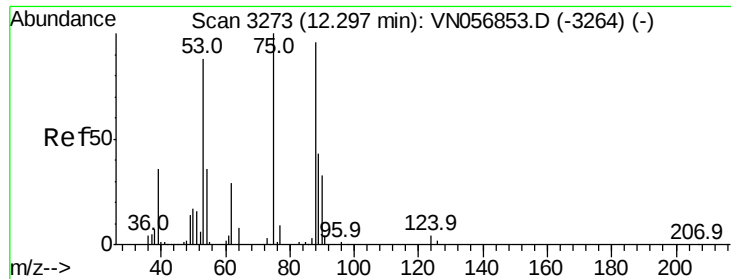
MMDadoda
 7/25/2019 3:01:23 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 92.135 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion: 105 Resp: 1502048
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 96.220 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 158407

Ion Ratio Lower Upper

75 100

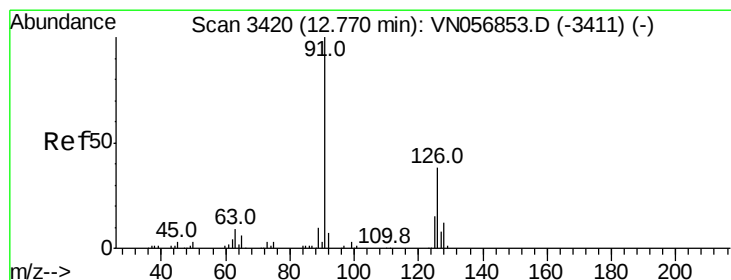
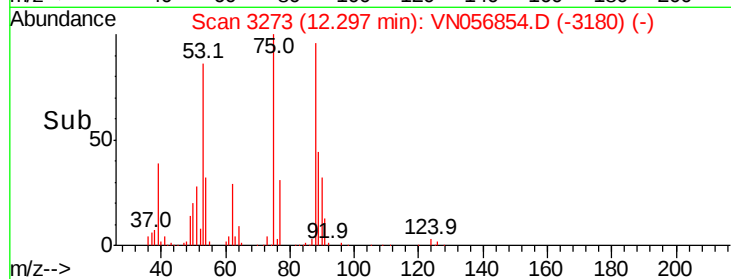
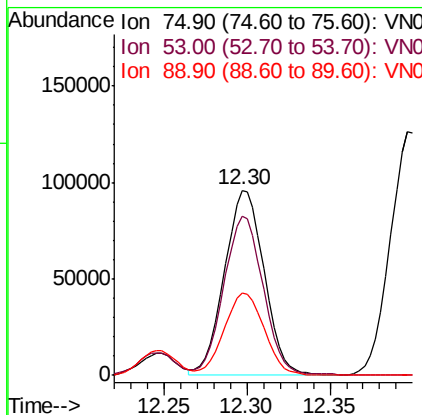
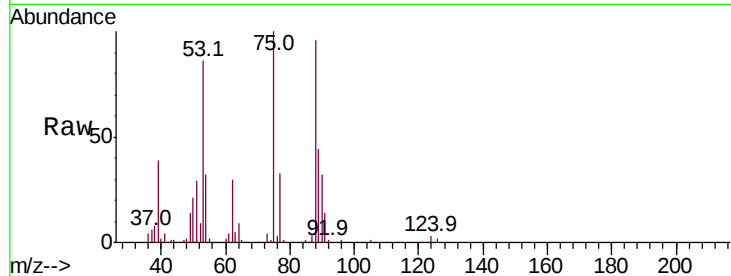
53 86.7 72.3 108.5

89 45.2 36.2 54.4

Manual Integrations
APPROVED

MMDadoda

7/25/2019 3:01:23 PM



#82

4-Chlorotoluene

Concen: 96.624 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056854.D

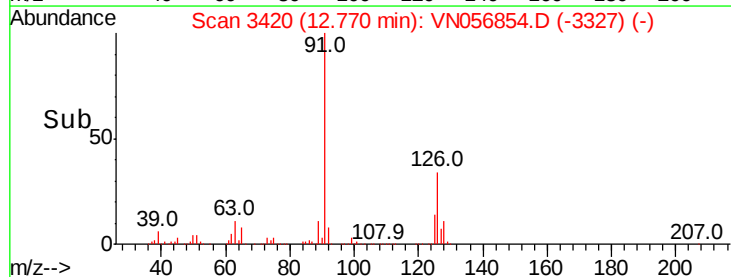
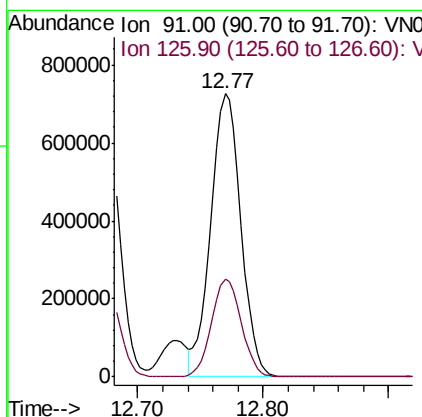
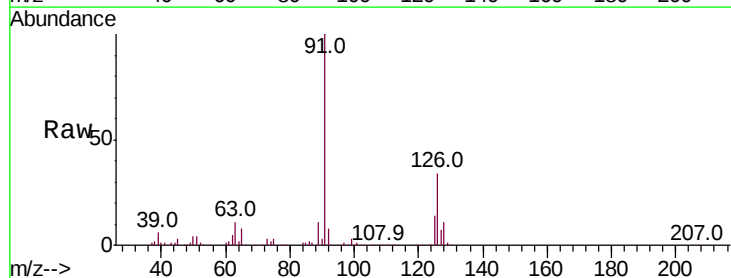
Acq: 22 Jul 2019 13:34

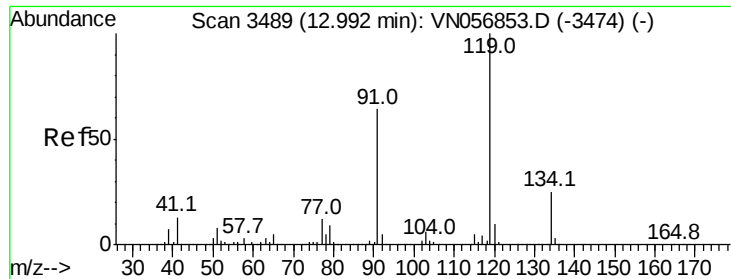
Tgt Ion: 91 Resp: 1208718

Ion Ratio Lower Upper

91 100

126 34.3 17.3 52.0





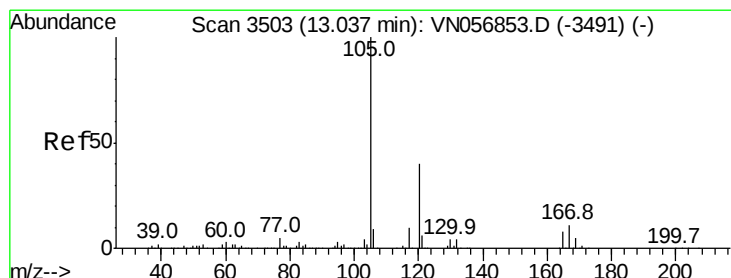
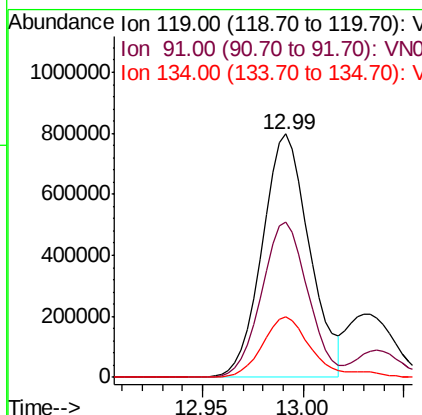
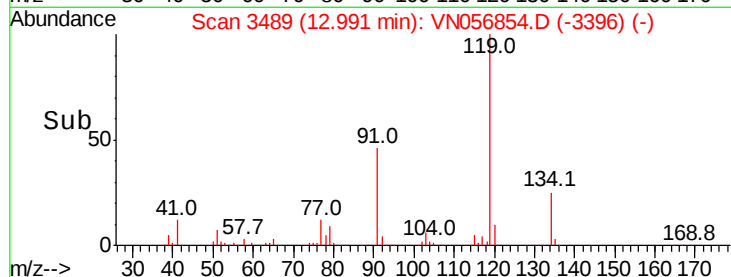
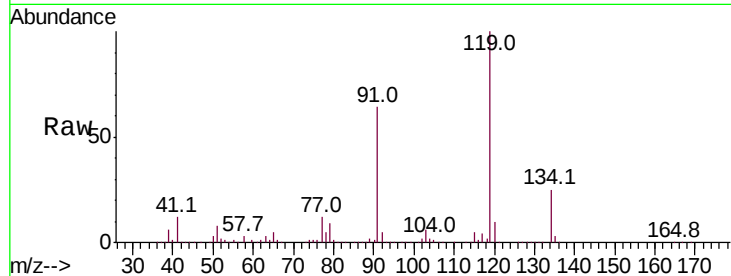
#83
 tert-Butylbenzene
 Concen: 91.618 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:119 Resp: 1303108
 Ion Ratio Lower Upper
 119 100
 91 62.7 31.5 94.5
 134 26.2 12.2 36.6

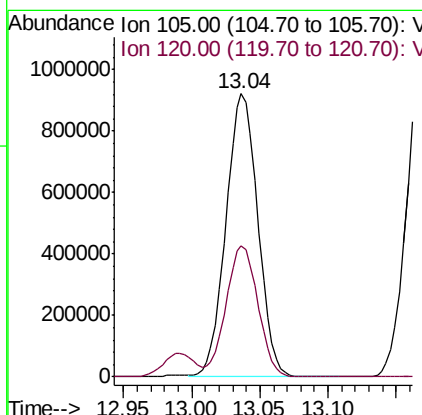
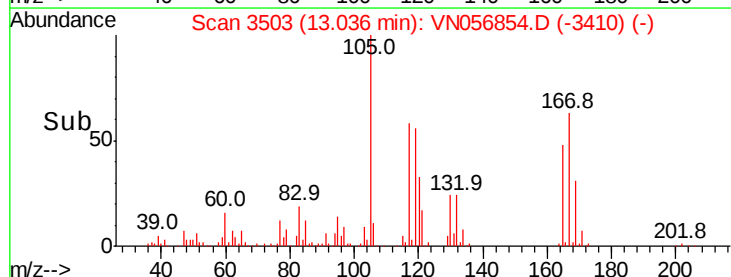
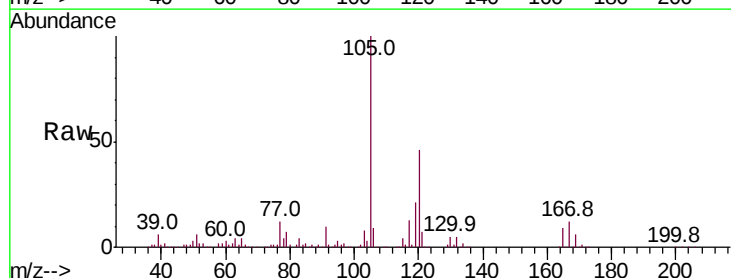
Manual Integrations
 APPROVED

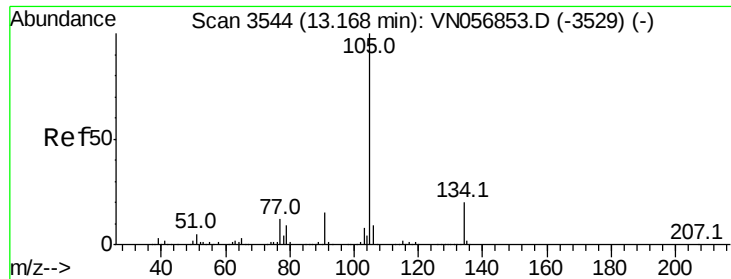
MMDadoda
 7/25/2019 3:01:23 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 93.989 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion:105 Resp: 1493999
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.2 69.5





#85

sec-Butylbenzene

Concen: 94.982 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1723390

Ion Ratio Lower Upper

105 100

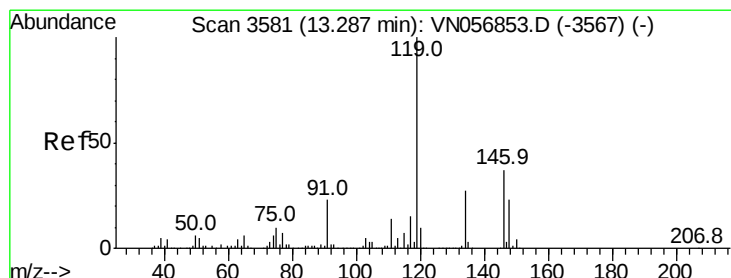
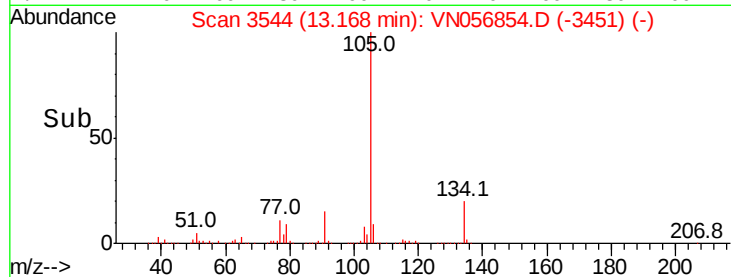
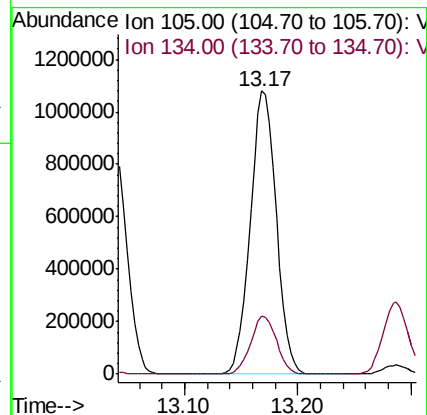
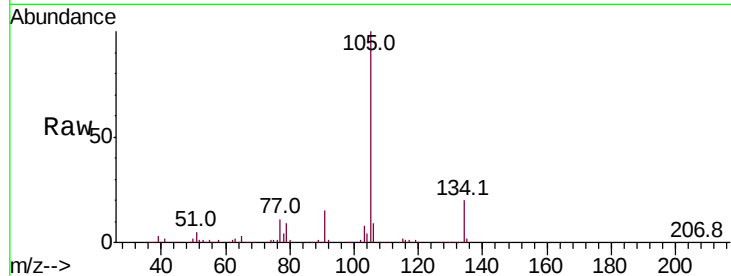
134 20.5 10.1 30.1

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:23 PM



#86

p-Isopropyltoluene

Concen: 96.476 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

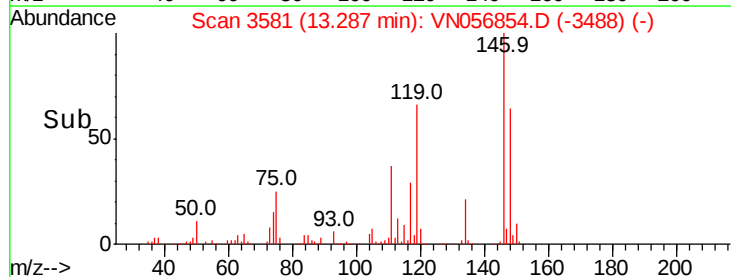
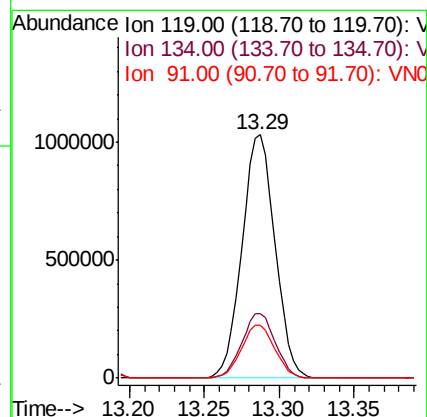
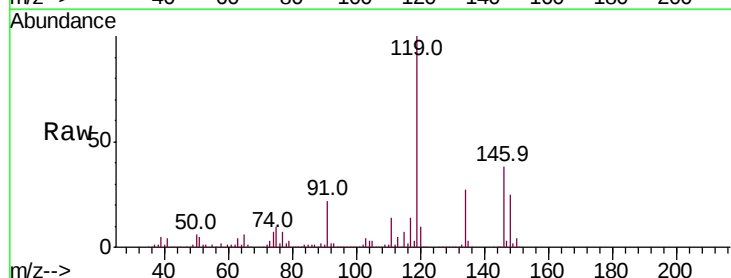
Tgt Ion:119 Resp: 1582590

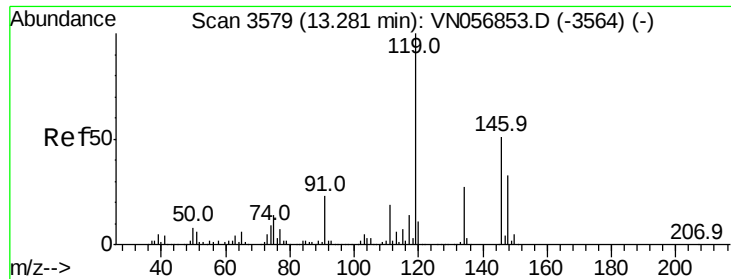
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 22.1 11.3 33.8





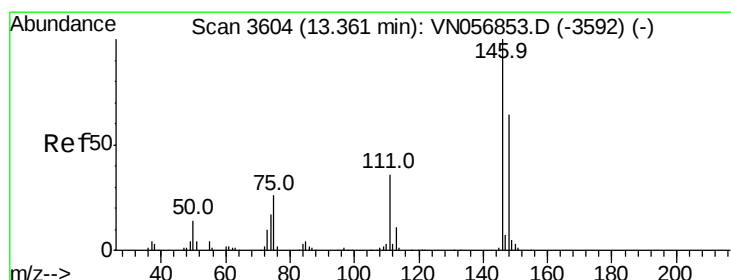
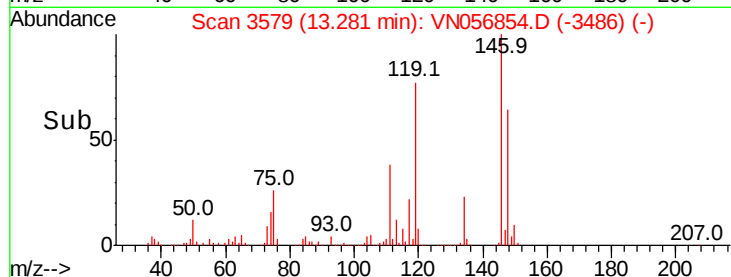
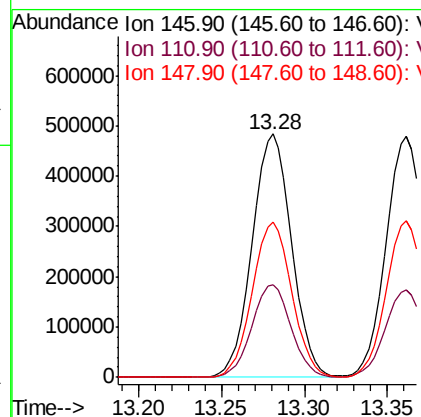
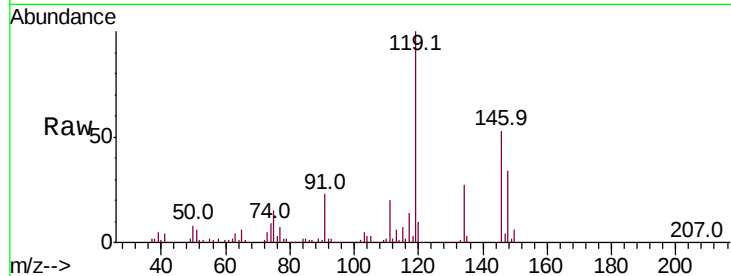
#87
 1,3-Dichlorobenzene
 Concen: 97.997 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.5
148	63.8	32.1	96.3

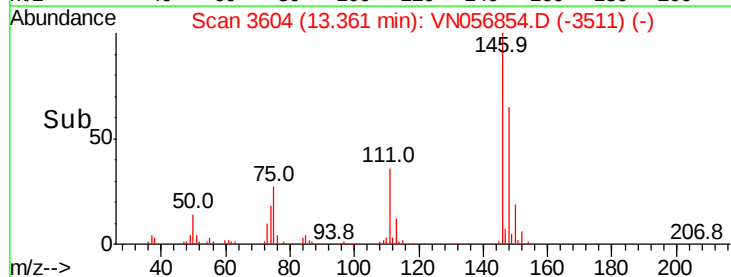
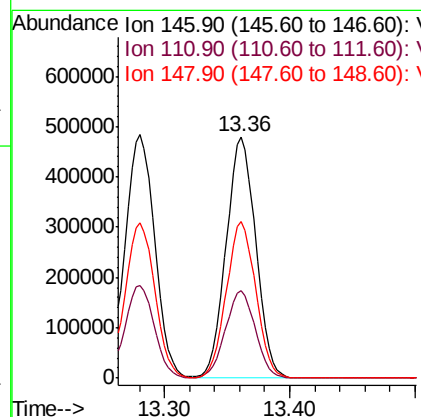
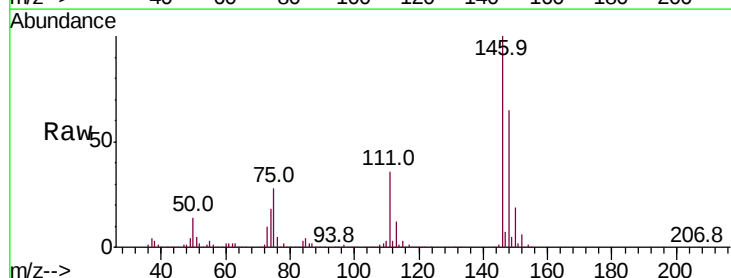
Manual Integrations
 APPROVED

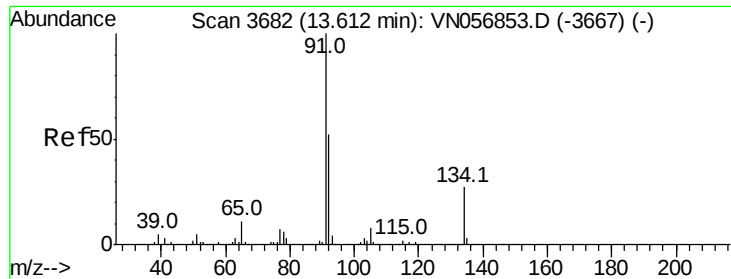
MMDadoda
 7/25/2019 3:01:23 PM



#88
 1,4-Dichlorobenzene
 Concen: 98.535 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.3	54.9
148	64.5	32.1	96.3





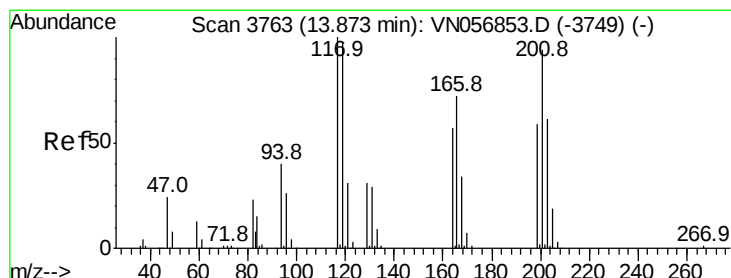
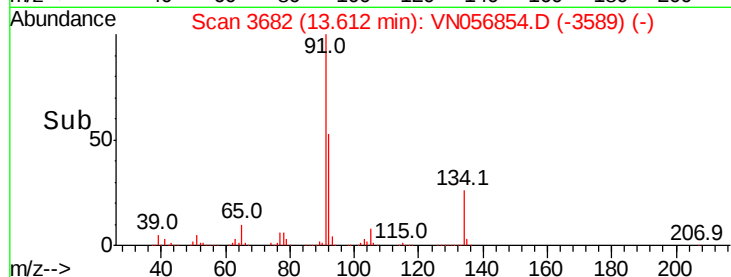
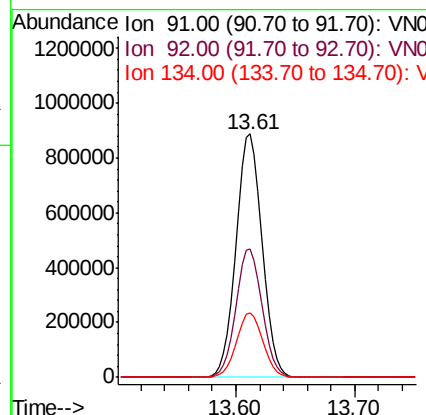
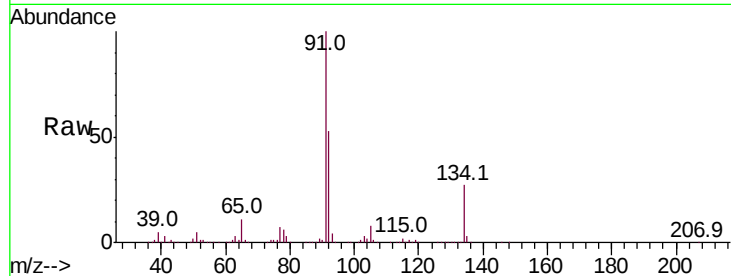
#89
n-Butylbenzene
Concen: 102.762 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.0	78.0
134	26.8	13.3	39.9

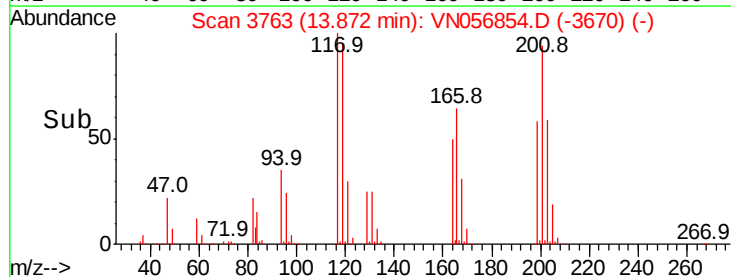
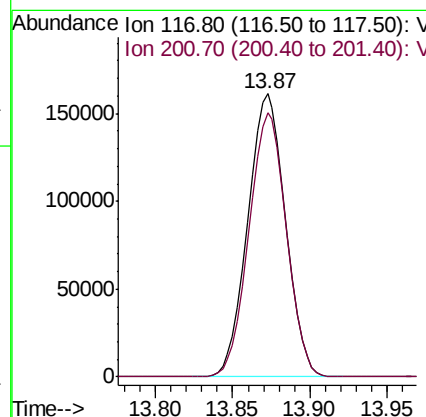
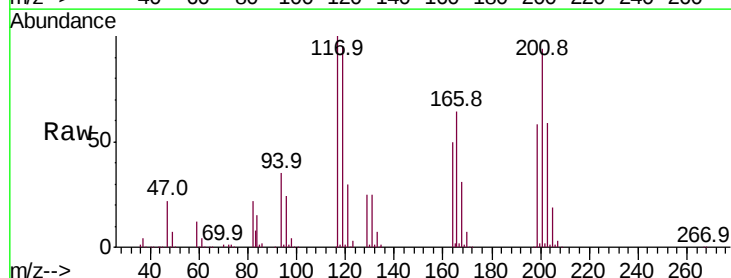
Manual Integrations
APPROVED

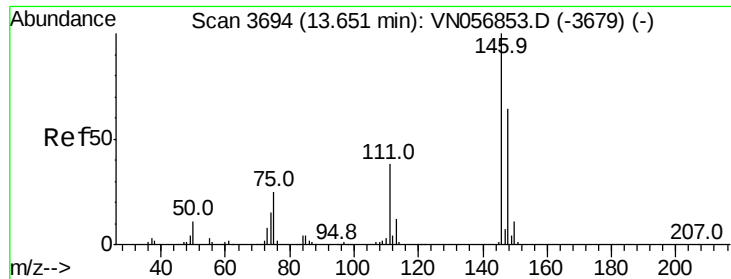
MMDadoda
7/25/2019 3:01:23 PM



#90
Hexachloroethane
Concen: 102.288 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.7	47.1	141.3





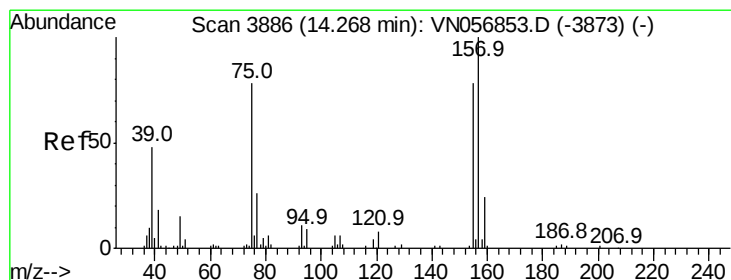
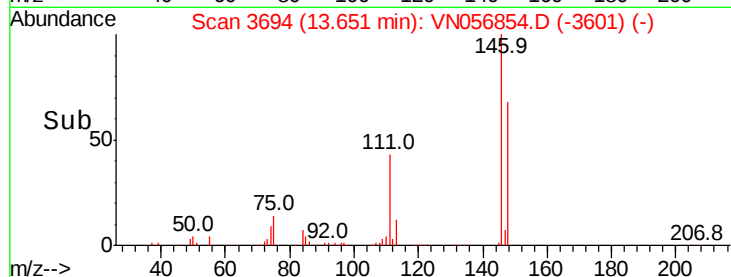
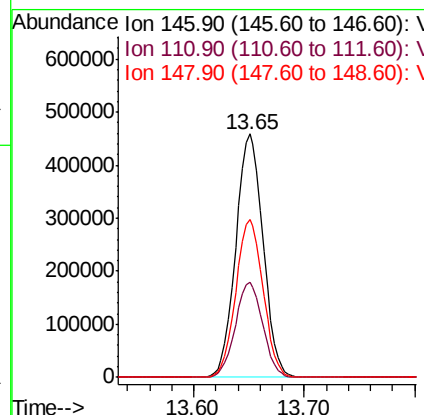
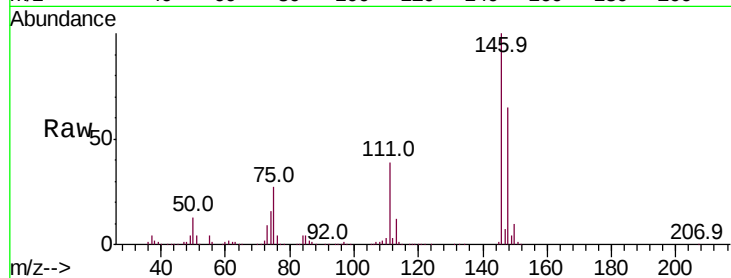
#91
 1,2-Dichlorobenzene
 Concen: 93.515 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.5
148	65.1	32.1	96.5

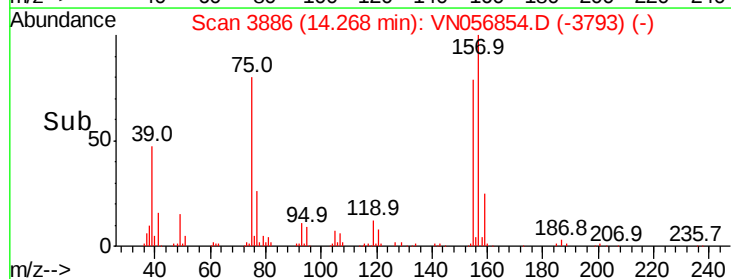
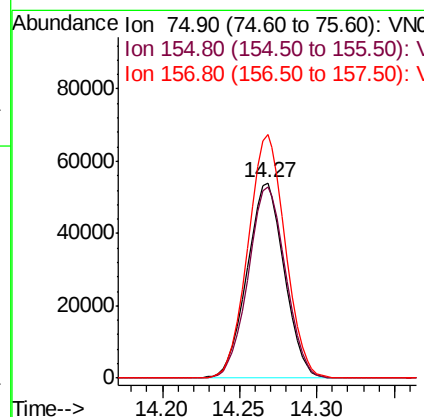
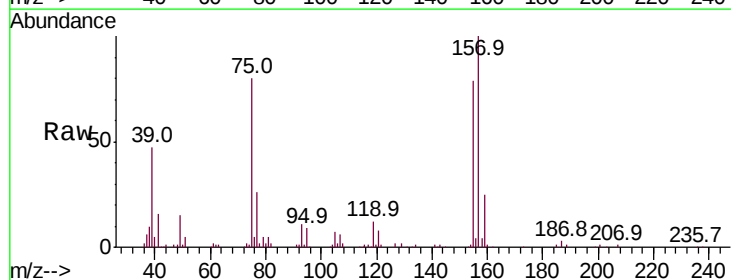
Manual Integrations
 APPROVED

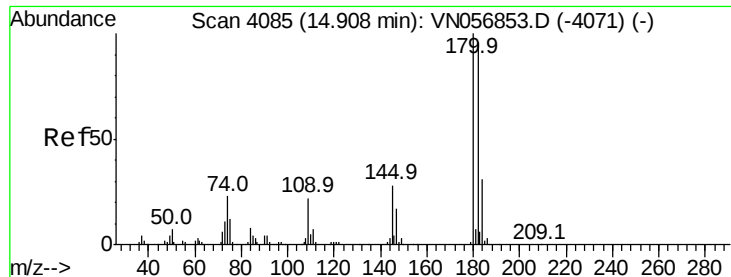
MMDadoda
 7/25/2019 3:01:23 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 90.903 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	49.9	149.6
157	124.7	64.8	194.4





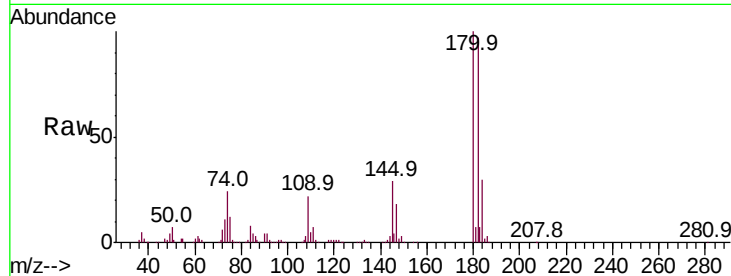
#93
 1,2,4-Trichlorobenzene
 Concen: 122.751 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

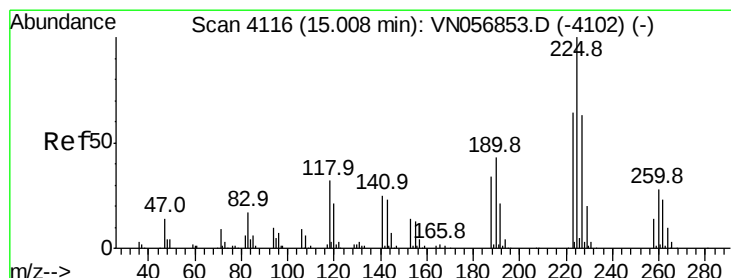
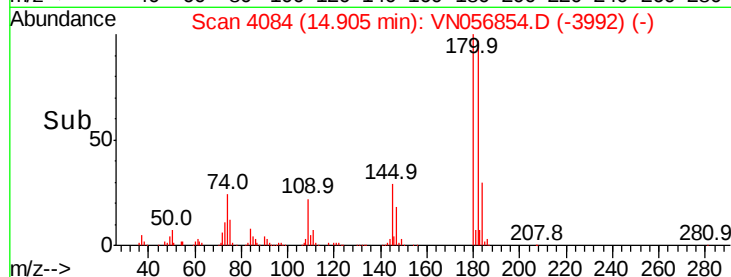
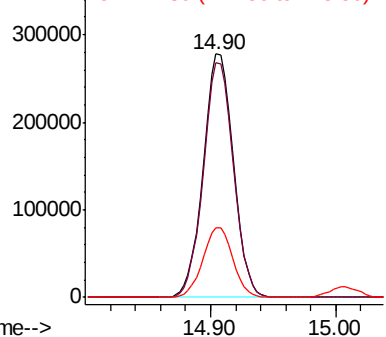
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.4	47.9	143.7	
145	28.6	14.1	42.3	

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:01:23 PM

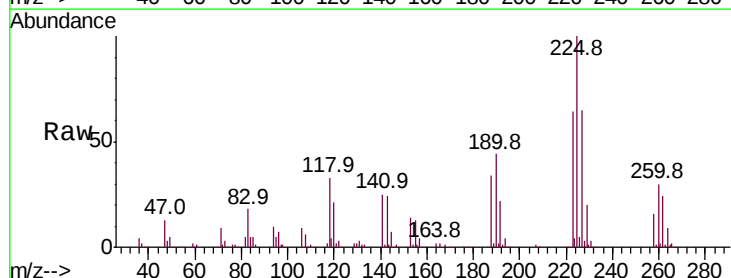


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

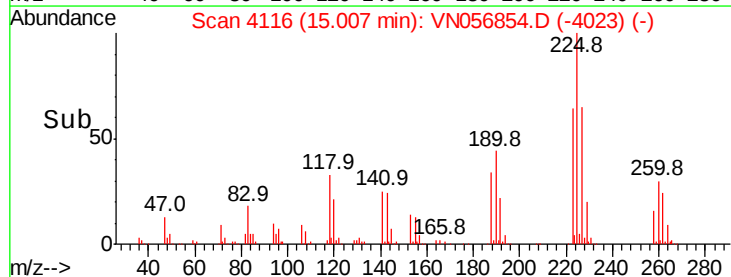
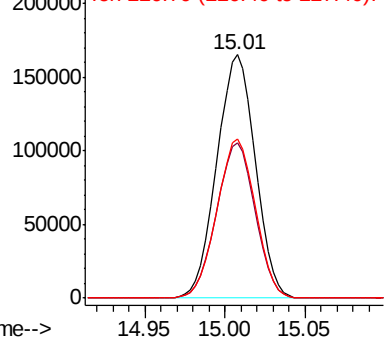


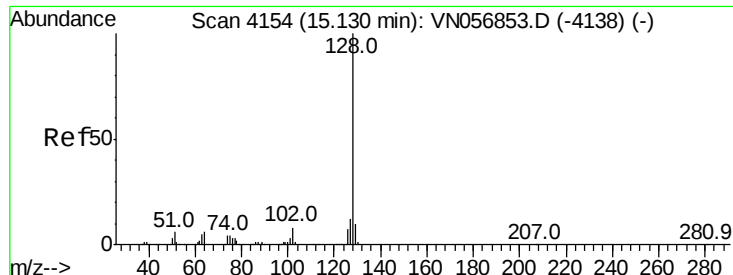
#94
 Hexachlorobutadiene
 Concen: 90.160 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.0	31.9	95.5	
227	65.3	31.7	95.1	



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





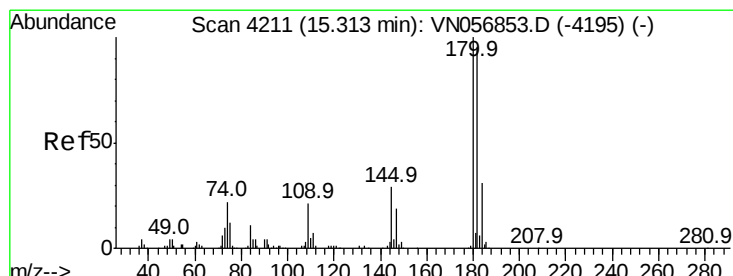
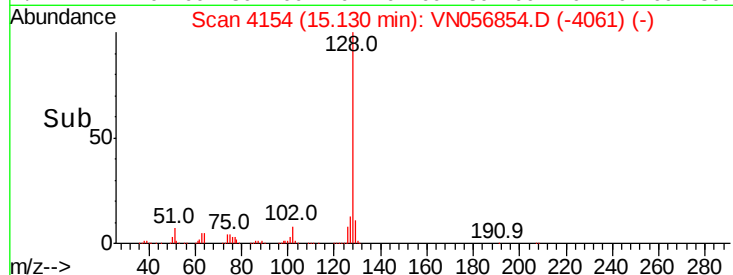
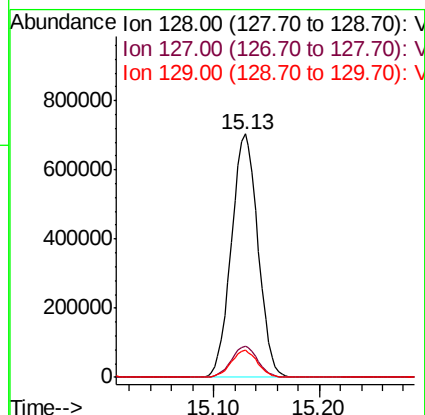
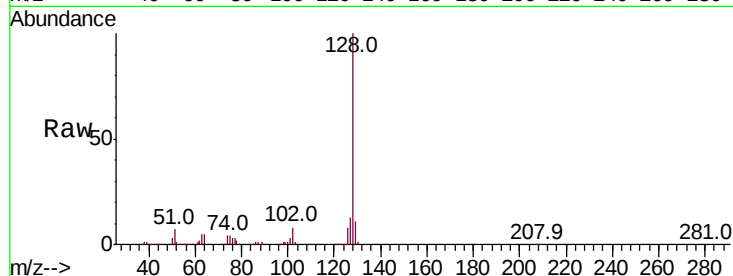
#95
Naphthalene
Concen: 121.505 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:23 PM



#96
1,2,3-Trichlorobenzene
Concen: 119.856 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.1	144.3
145	30.3	14.7	44.1

