

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055172.D
 Acq On : 22 Apr 2019 10:38
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:46:41 PM

Quant Time: Apr 23 05:13:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 04:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	438482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	697549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	606244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	262067	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	287664	44.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.40%	
35) Dibromofluoromethane	7.59	113	235140	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
50) Toluene-d8	10.09	98	865785	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.40	95	290859	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	302158	53.520	ug/l 100
3) Chloromethane	2.06	50	354715	51.275	ug/l 100
4) Vinyl Chloride	2.19	62	282243	50.916	ug/l 100
5) Bromomethane	2.56	94	148760	46.274	ug/l 100
6) Chloroethane	2.70	64	143722	47.949	ug/l 100
7) Trichlorofluoromethane	3.02	101	377975	50.106	ug/l 100
8) Diethyl Ether	3.41	74	136909	50.848	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	229092	48.668	ug/l 100
10) Methyl Iodide	3.95	142	349375	55.244	ug/l 100
11) Tert butyl alcohol	4.79	59	85424	250.892	ug/l 100
12) 1,1-Dichloroethene	3.74	96	226054	50.109	ug/l 100
13) Acrolein	3.61	56	121065	261.139	ug/l 100
14) Allyl chloride	4.33	41	447506	50.179	ug/l 100
15) Acrylonitrile	4.99	53	485499	255.492	ug/l 100
16) Acetone	3.81	43	540450	275.460	ug/l 100
17) Carbon Disulfide	4.06	76	650364	51.567	ug/l 100
18) Methyl Acetate	4.33	43	207092	38.245	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	626044	50.193	ug/l 100
20) Methylene Chloride	4.55	84	262336	46.510	ug/l 100
21) trans-1,2-Dichloroethene	5.04	96	240975	50.940	ug/l 100
22) Diisopropyl ether	5.95	45	888680	49.991	ug/l 100
23) Vinyl Acetate	5.90	43	3208483	268.585	ug/l 100
24) 1,1-Dichloroethane	5.85	63	471106	49.269	ug/l 100
25) 2-Butanone	6.84	43	660181	260.633	ug/l 100
26) 2,2-Dichloropropane	6.82	77	319639	49.399	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	271159	49.725	ug/l 100
28) Bromochloromethane	7.19	49	237850	48.798	ug/l 100
29) Tetrahydrofuran	7.21	42	392392	246.468	ug/l 100
30) Chloroform	7.37	83	445485	48.979	ug/l 100
31) Cyclohexane	7.65	56	453346	41.292	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	367305	50.267	ug/l 100
36) 1,1-Dichloropropene	7.79	75	343493	53.055	ug/l 100
37) Ethyl Acetate	6.93	43	265271	49.039	ug/l 100
38) Carbon Tetrachloride	7.77	117	315210	48.727	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055172.D
 Acq On : 22 Apr 2019 10:38
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:46:41 PM

Quant Time: Apr 23 05:13:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 04:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	385904	49.963	ug/l	100
40) Benzene	8.04	78	1017182	50.895	ug/l	100
41) Methacrylonitrile	7.17	41	149983	56.240	ug/l	100
42) 1,2-Dichloroethane	8.12	62	349927	50.187	ug/l	100
43) Isopropyl Acetate	8.17	43	444976	52.591	ug/l	100
44) Trichloroethene	8.83	130	256057	50.690	ug/l	100
45) 1,2-Dichloropropane	9.12	63	284545	50.437	ug/l	100
46) Dibromomethane	9.21	93	160974	49.845	ug/l	100
47) Bromodichloromethane	9.40	83	338280	52.324	ug/l	100
48) Methyl methacrylate	9.20	41	210486	51.285	ug/l	100
49) 1,4-Dioxane	9.20	88	49325	1040.682	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1244167	255.543	ug/l	100
52) Toluene	10.16	92	606412	51.758	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	321067	54.114	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	396132	53.802	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	216349	50.086	ug/l	100
56) Ethyl methacrylate	10.43	69	292537	54.365	ug/l	100
57) 1,3-Dichloropropane	10.71	76	385303	51.270	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	504185	290.616	ug/l	100
59) 2-Hexanone	10.75	43	832484	270.699	ug/l	100
60) Dibromochloromethane	10.90	129	233923	52.577	ug/l	100
61) 1,2-Dibromoethane	11.00	107	211618	52.107	ug/l	100
64) Tetrachloroethene	10.63	164	240603	48.650	ug/l	100
65) Chlorobenzene	11.43	112	612679	49.513	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	231378	50.451	ug/l	100
67) Ethyl Benzene	11.51	91	1126213	51.094	ug/l	100
68) m/p-Xylenes	11.62	106	823562	104.174	ug/l	100
69) o-Xylene	11.95	106	401746	51.207	ug/l	100
70) Styrene	11.96	104	672584	55.306	ug/l	100
71) Bromoform	12.13	173	149854	54.755	ug/l	100
73) Isopropylbenzene	12.25	105	1062979	42.251	ug/l	100
74) N-amyl acetate	12.07	43	339165	50.197	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	270287	40.597	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	234243m	47.694	ug/l	
77) Bromobenzene	12.53	156	260350	45.000	ug/l	100
78) n-propylbenzene	12.59	91	1198604	45.606	ug/l	100
79) 2-Chlorotoluene	12.67	91	729466	43.955	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	891306	45.432	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	64547	46.023	ug/l	100
82) 4-Chlorotoluene	12.77	91	715362	46.851	ug/l	100
83) tert-Butylbenzene	12.99	119	745711	42.489	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	870109	46.999	ug/l	100
85) sec-Butylbenzene	13.17	105	977067	44.023	ug/l	100
86) p-Isopropyltoluene	13.29	119	857864	46.916	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	433923	48.858	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	414642	47.952	ug/l	100
89) n-Butylbenzene	13.61	91	694190	51.219	ug/l	100
90) Hexachloroethane	13.87	117	142283	43.875	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	431403	47.292	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37197	46.742	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
Data File : VN055172.D
Acq On : 22 Apr 2019 10:38
Operator : JC/SP
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:46:41 PM

Quant Time: Apr 23 05:13:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 04:56:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	182255	56.593	ug/l	100
94) Hexachlorobutadiene	15.01	225	137763	42.196	ug/l	100
95) Naphthalene	15.13	128	384370	56.499	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	185731	55.436	ug/l	100

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

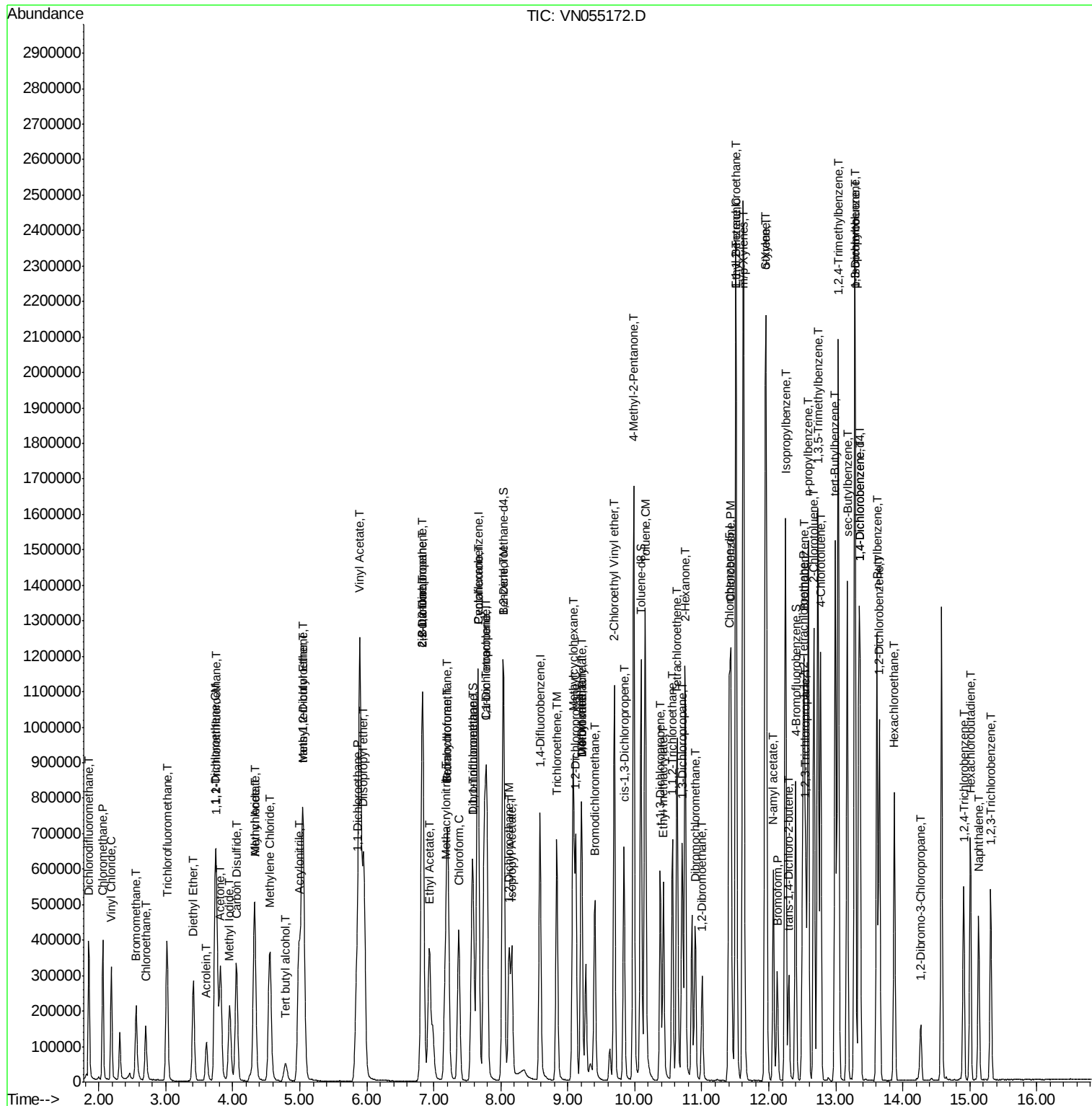
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055172.D
 Acq On : 22 Apr 2019 10:38
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

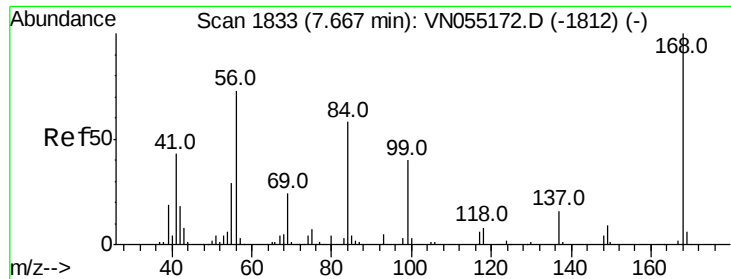
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:46:41 PM

Quant Time: Apr 23 05:13:06 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 04:56:29 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 438482

Ion Ratio Lower Upper

168 100

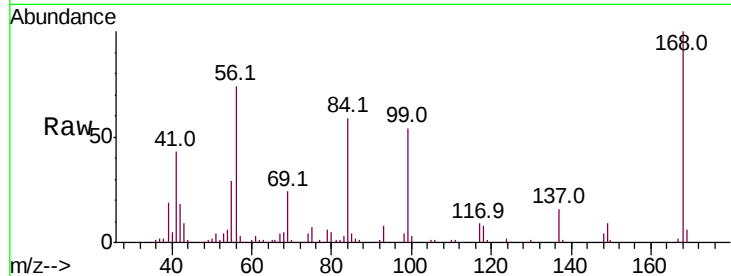
99 52.5 42.0 63.0

Manual Integrations

APPROVED

MMDadoda

4/23/2019 1:46:41 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

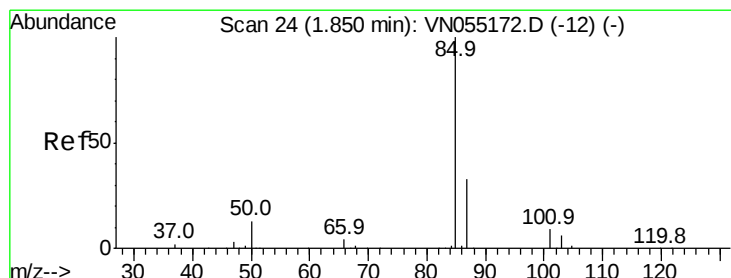
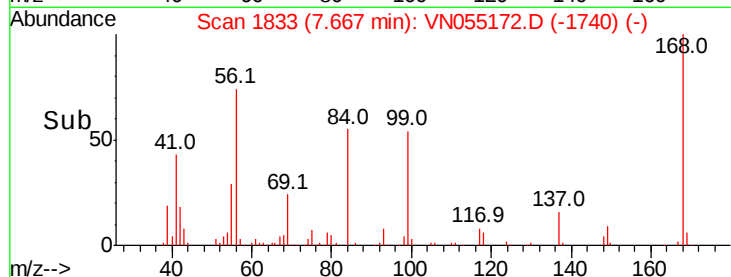
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.520 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055172.D

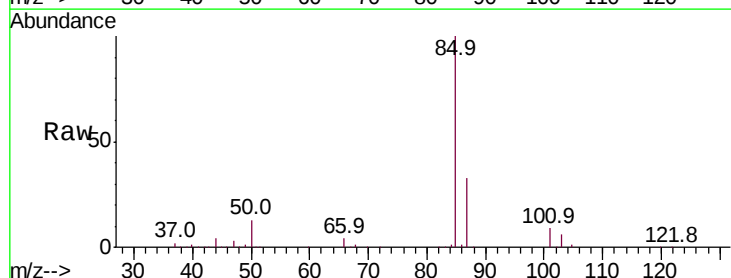
Acq: 22 Apr 2019 10:38

Tgt Ion: 85 Resp: 302158

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

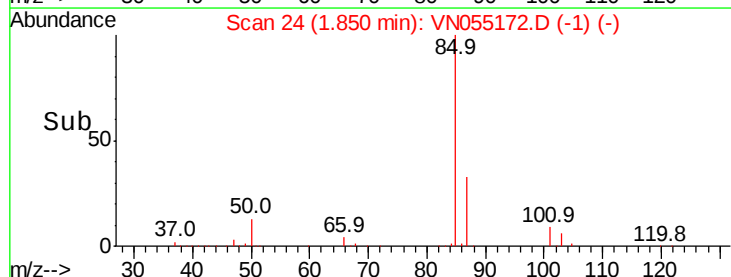
150000

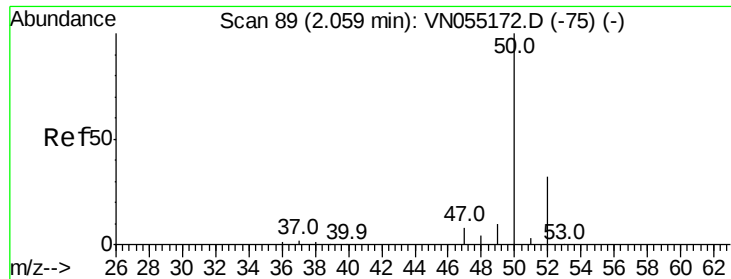
100000

50000

0

Time-->





#3

Chloromethane

Concen: 51.275 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 354715

Ion Ratio Lower Upper

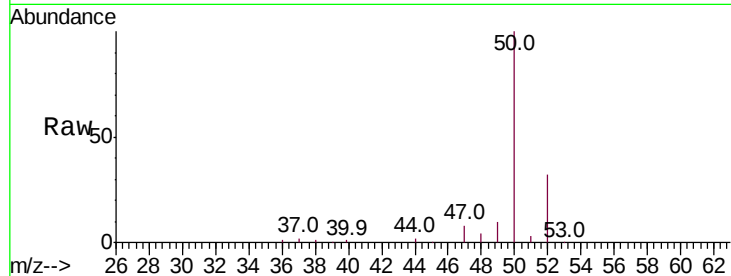
50 100

52 32.2 25.8 38.6

Manual Integrations
APPROVED

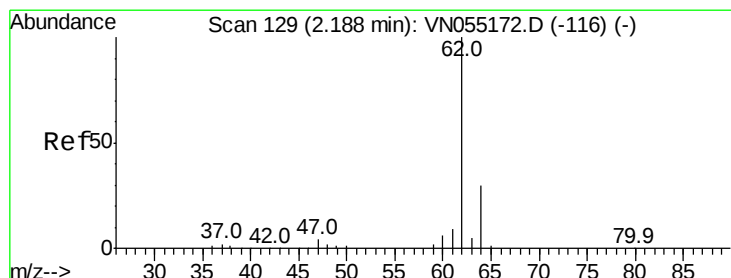
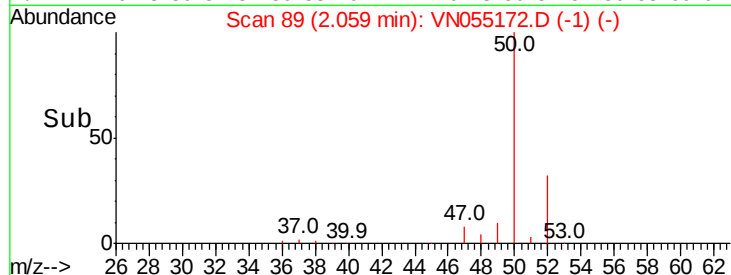
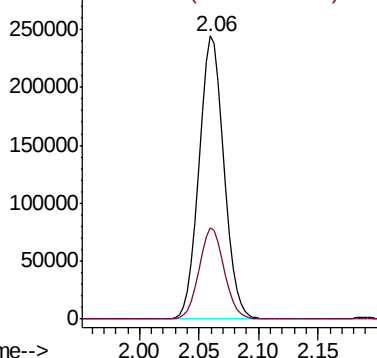
MMDadoda

4/23/2019 1:46:41 PM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 50.916 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055172.D

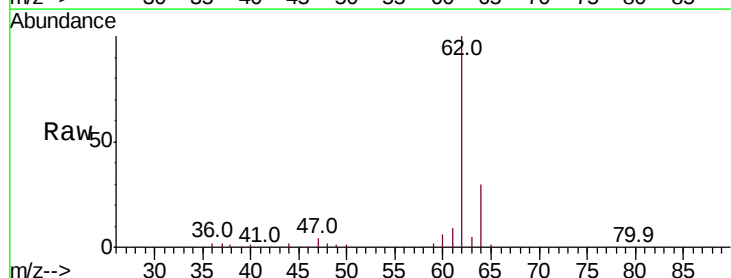
Acq: 22 Apr 2019 10:38

Tgt Ion: 62 Resp: 282243

Ion Ratio Lower Upper

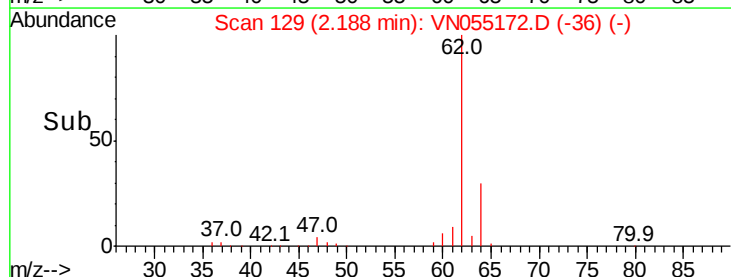
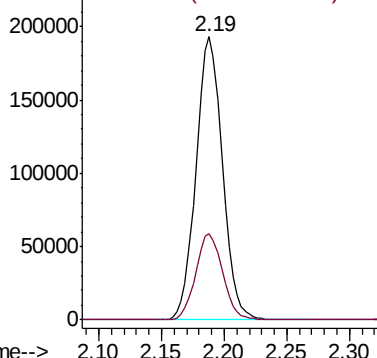
62 100

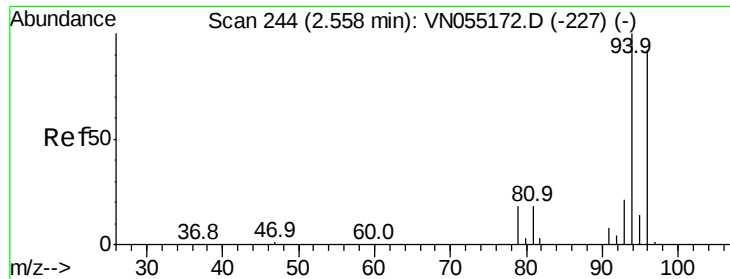
64 30.3 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





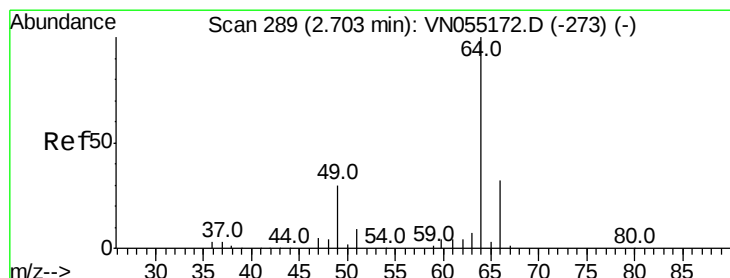
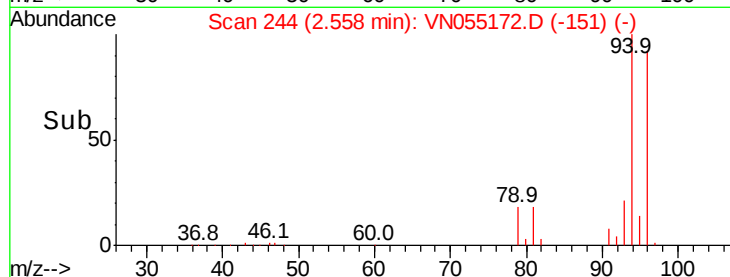
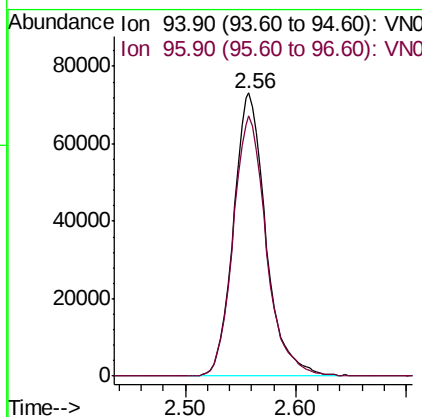
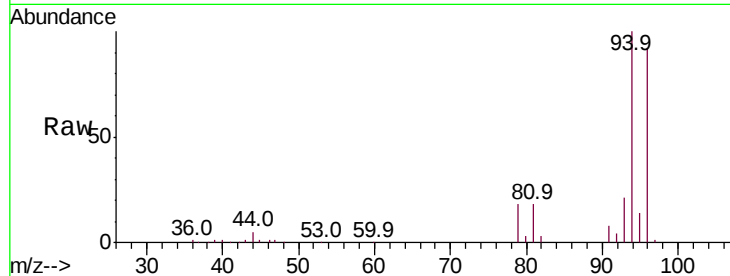
#5
Bromomethane
Concen: 46.274 ug/l
RT: 2.56 min Scan# 244
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
94	100		
96	91.8	73.4	110.2

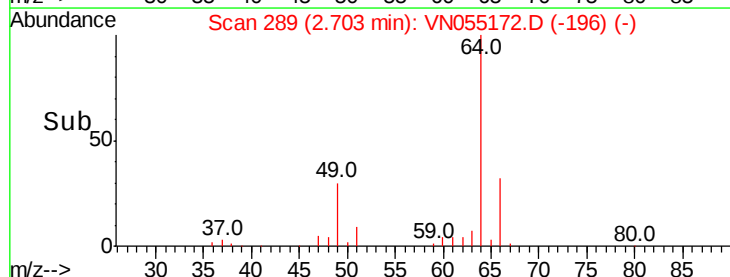
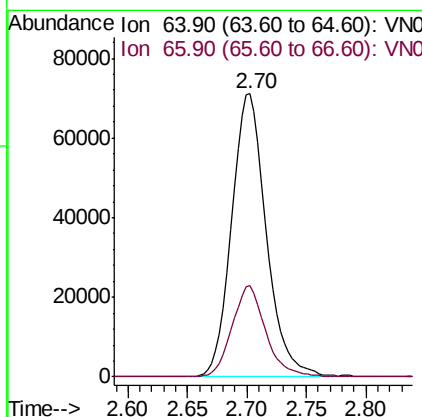
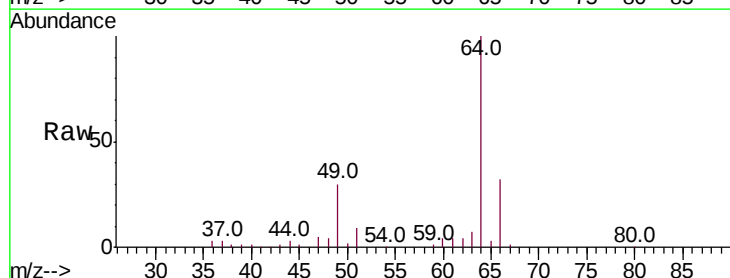
Manual Integrations
APPROVED

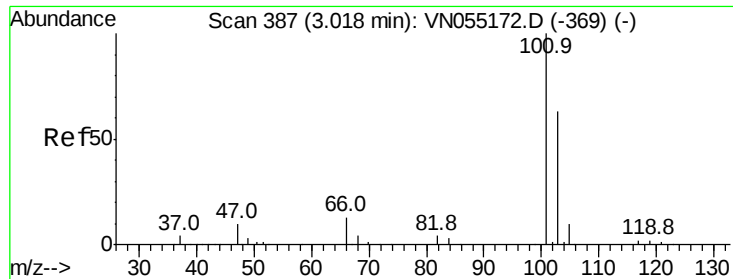
MMDadoda
4/23/2019 1:46:41 PM



#6
Chloroethane
Concen: 47.949 ug/l
RT: 2.70 min Scan# 289
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Tgt Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.9	38.9





#7

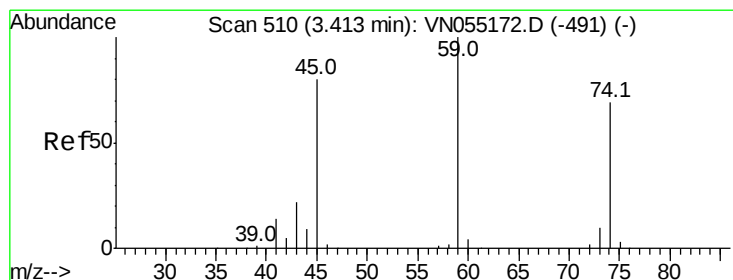
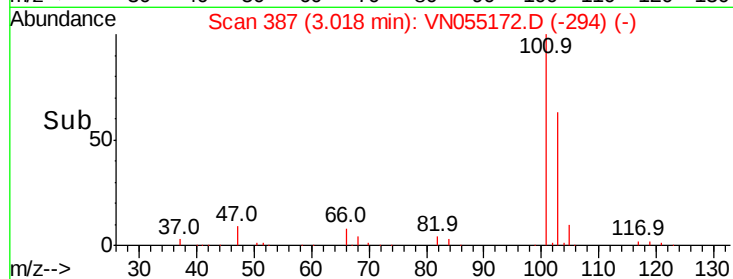
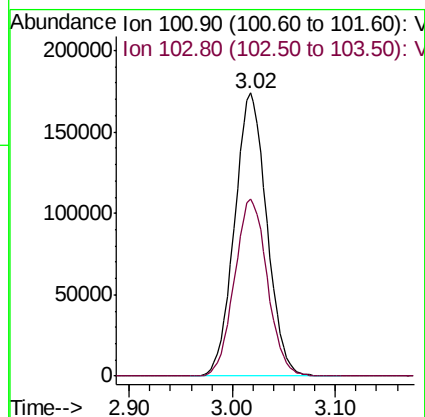
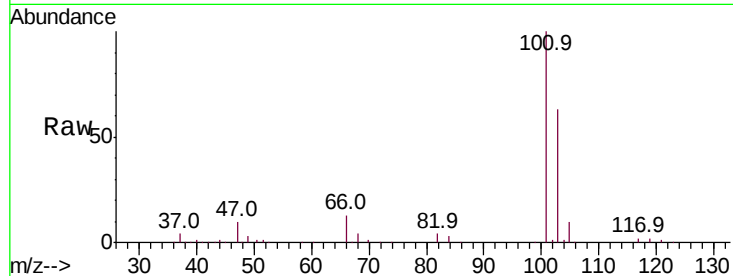
Trichlorofluoromethane
 Concen: 50.106 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.1	75.1

Manual Integrations
 APPROVED

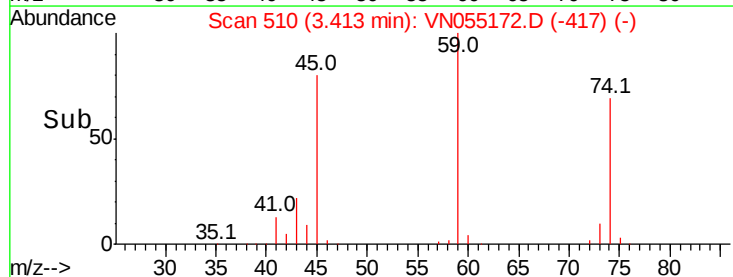
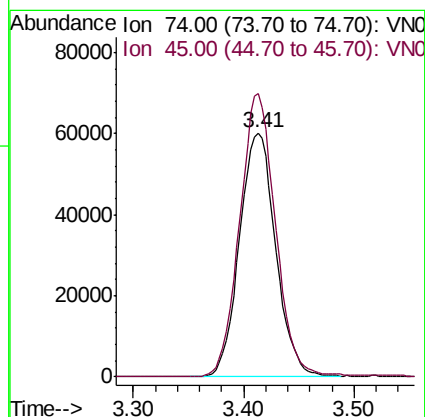
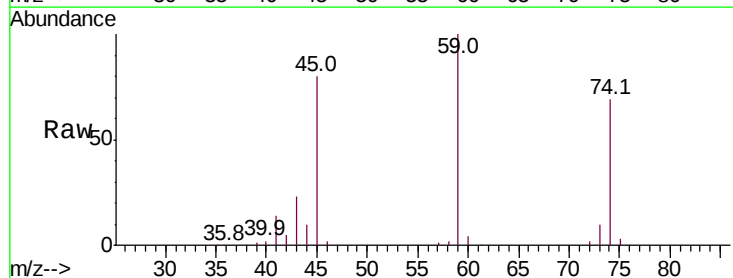
MMDadoda
 4/23/2019 1:46:41 PM

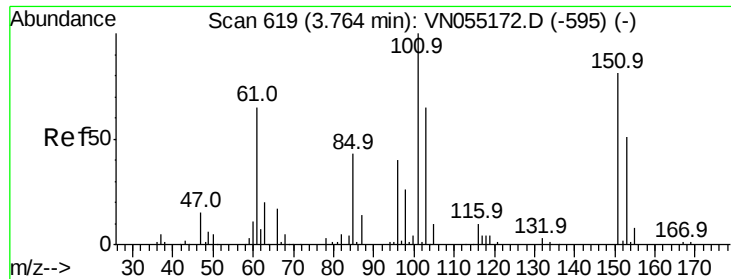


#8

Diethyl Ether
 Concen: 50.848 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.7	56.9	170.6





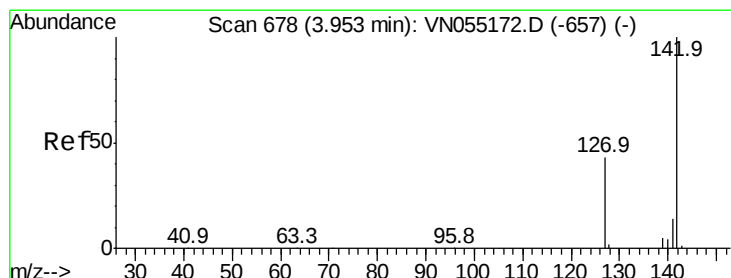
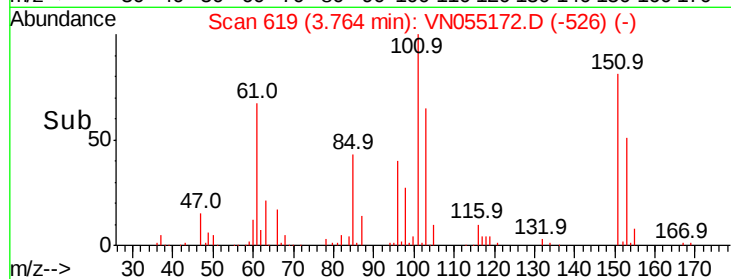
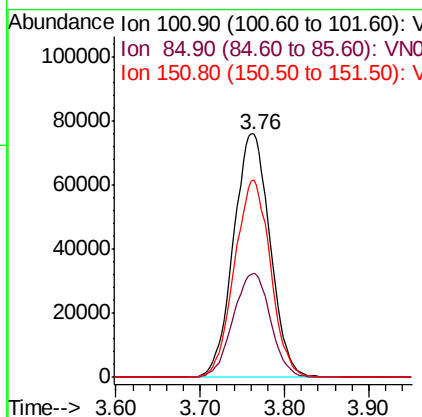
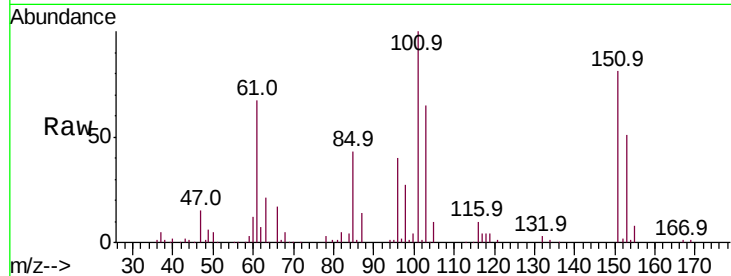
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.668 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion:	101	Resp:	229092
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.9	52.3
151	79.8	63.8	95.8

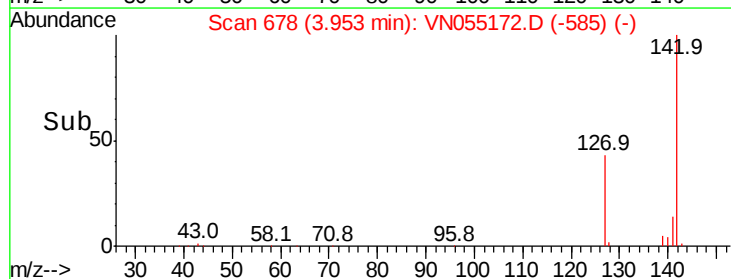
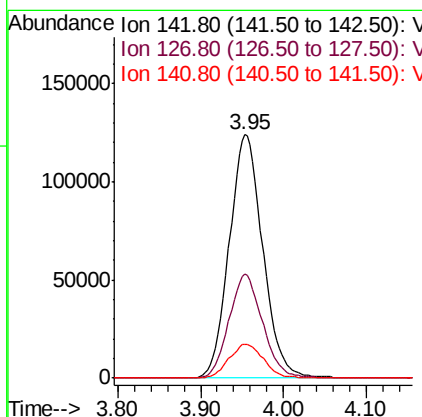
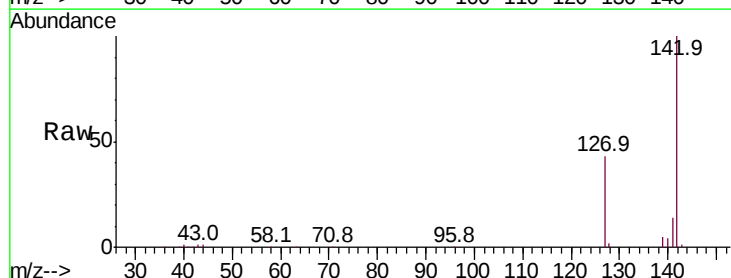
Manual Integrations
 APPROVED

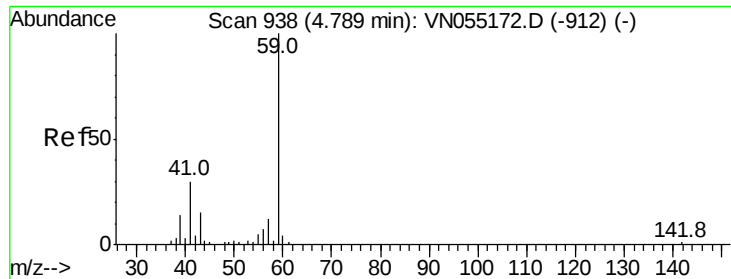
MMDadoda
 4/23/2019 1:46:41 PM



#10
 Methyl Iodide
 Concen: 55.244 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Tgt Ion:	142	Resp:	349375
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.1	51.1
141	14.3	11.4	17.2





#11

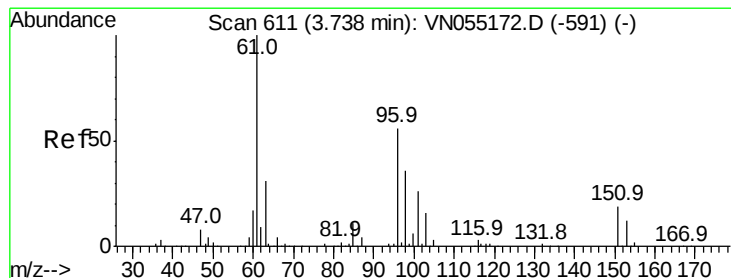
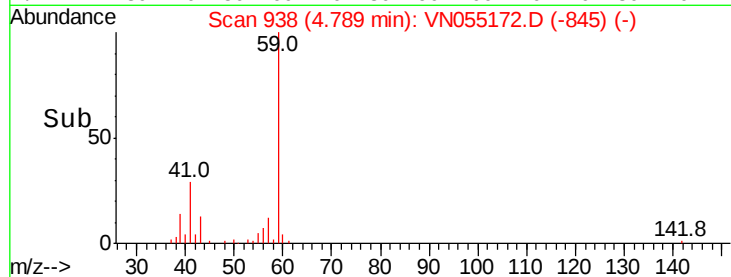
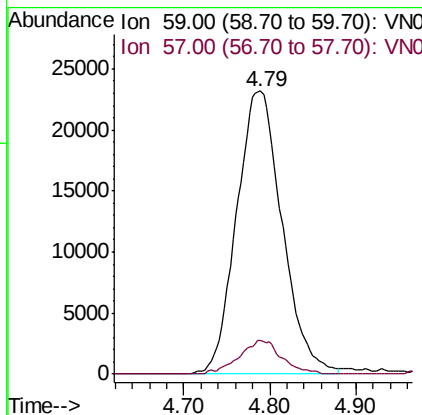
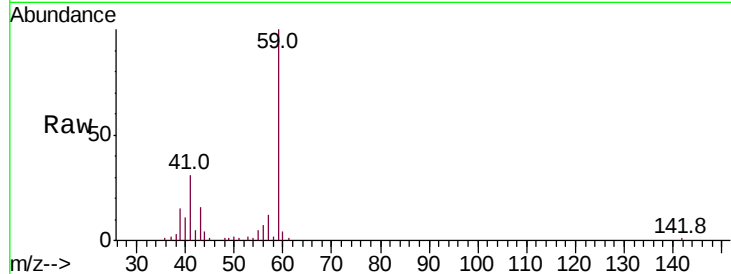
Tert butyl alcohol
 Concen: 250.892 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	59	Resp	85424
Ion Ratio	100	Lower	Upper
57	11.0	8.8	13.2

Manual Integrations
 APPROVED

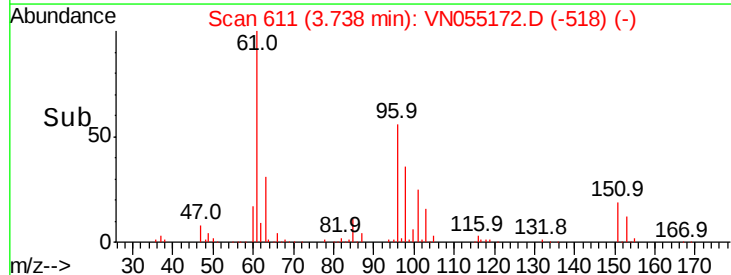
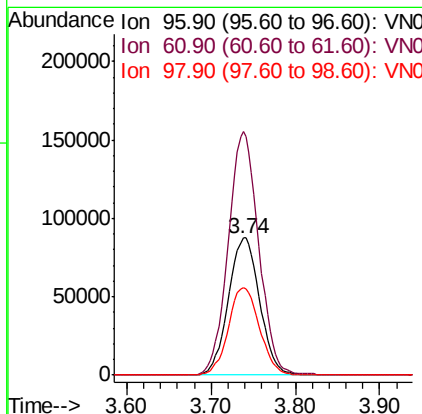
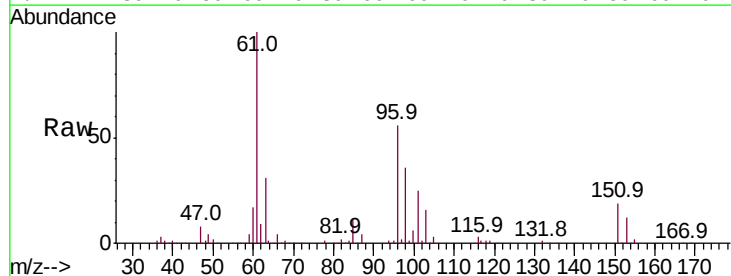
MMDadoda
 4/23/2019 1:46:41 PM

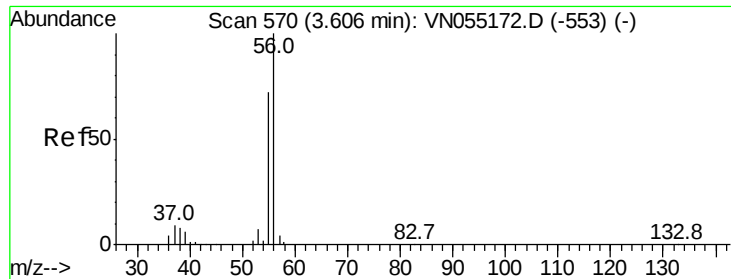


#12

1,1-Dichloroethene
 Concen: 50.109 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Tgt Ion	96	Resp	226054
Ion Ratio	100	Lower	Upper
61	177.6	142.1	213.1
98	64.0	51.2	76.8





#13

Acrolein

Concen: 261.139 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 121065

Ion Ratio Lower Upper

56 100

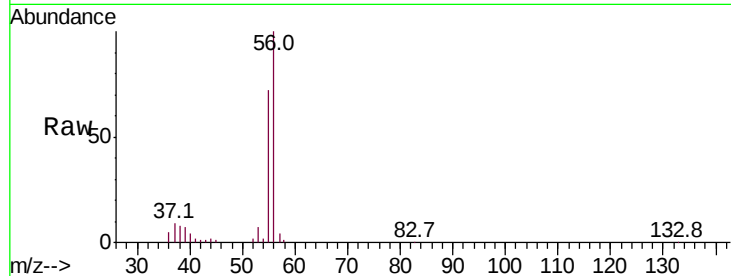
55 71.7 57.4 86.0

Manual Integrations

APPROVED

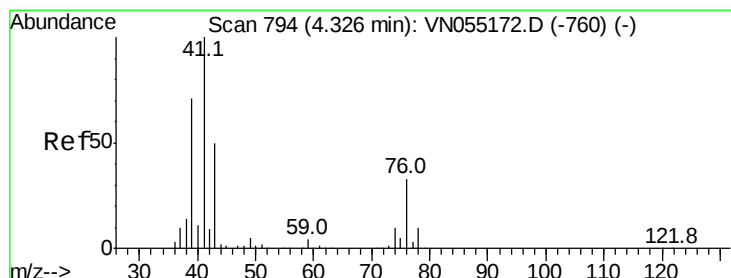
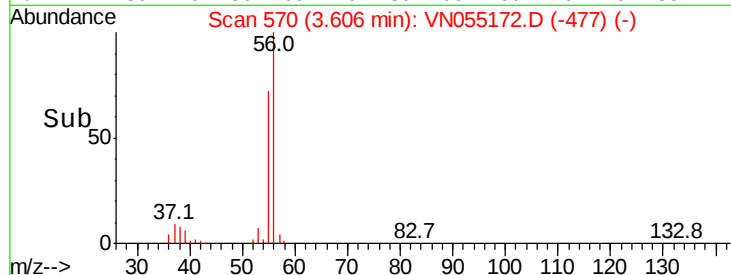
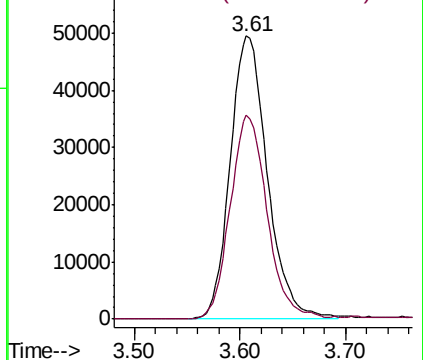
MMDadoda

4/23/2019 1:46:41 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.179 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

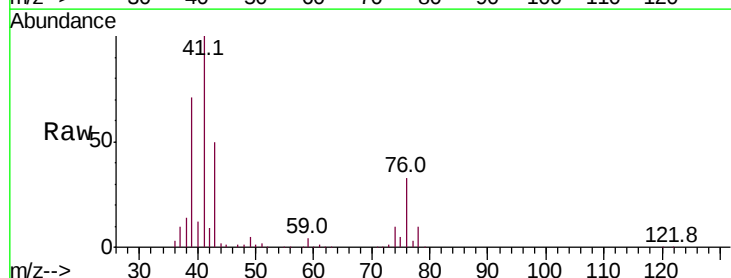
Tgt Ion: 41 Resp: 447506

Ion Ratio Lower Upper

41 100

39 66.1 52.9 79.3

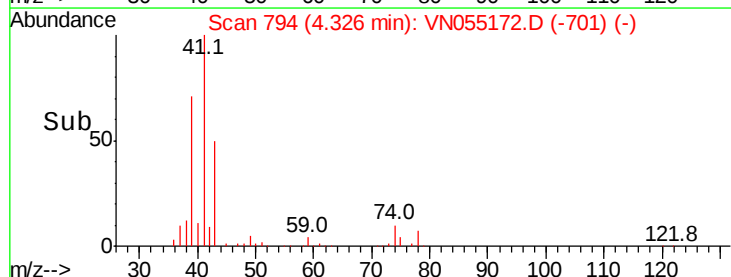
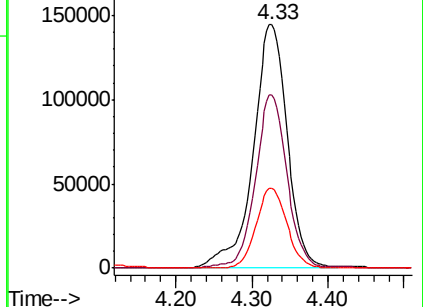
76 29.5 23.6 35.4

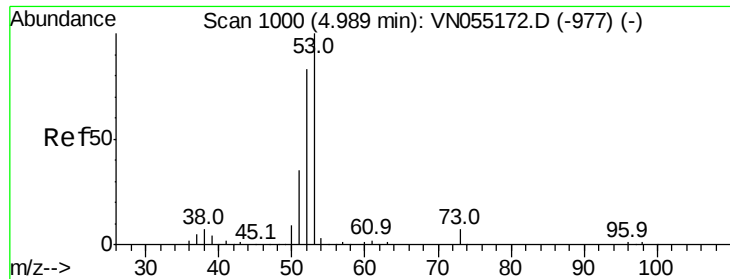


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





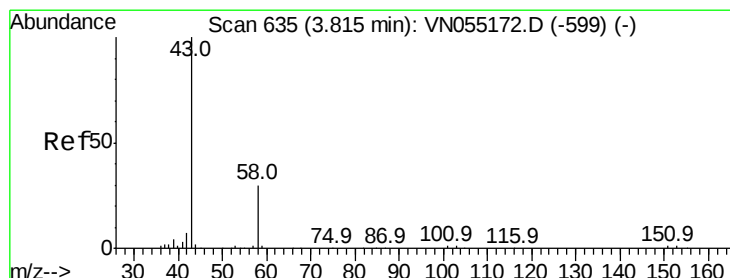
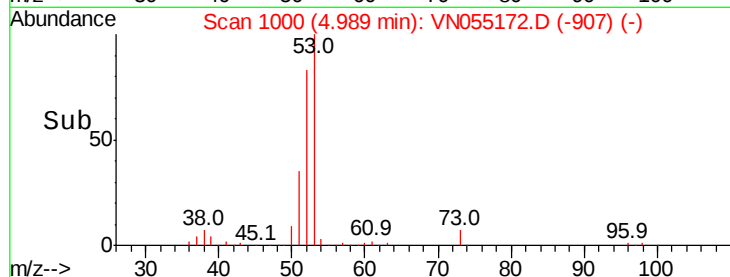
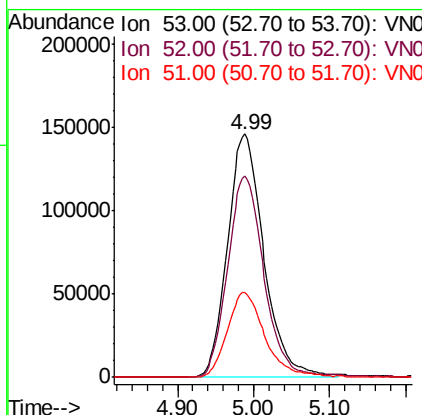
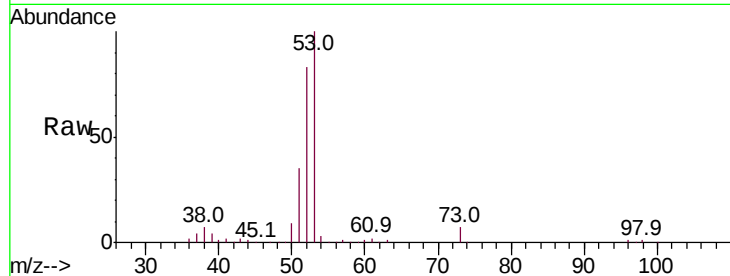
#15
 Acrylonitrile
 Concen: 255.492 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.8	98.8
51	36.1	28.9	43.3

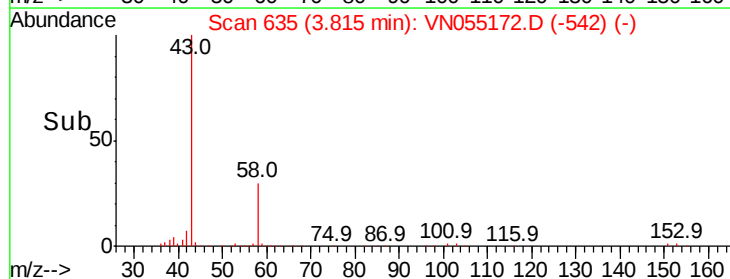
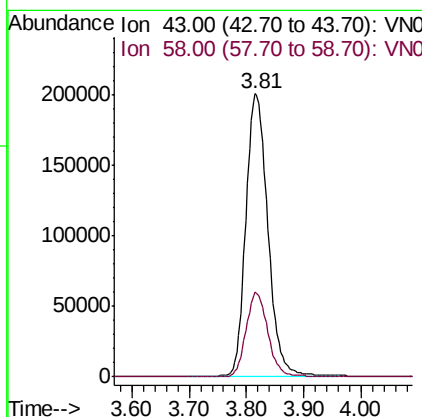
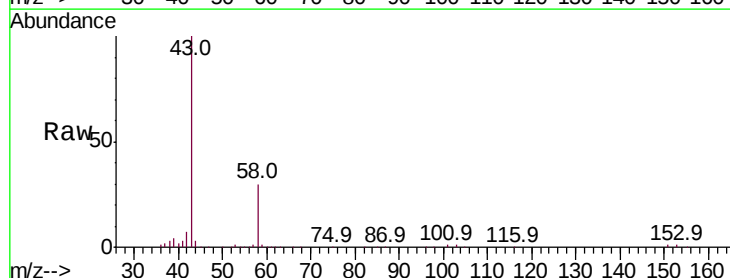
Manual Integrations
 APPROVED

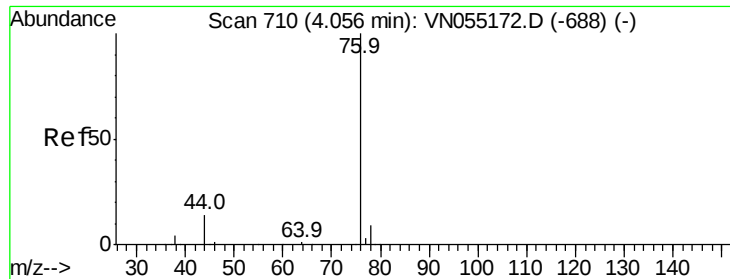
MMDadoda
 4/23/2019 1:46:41 PM



#16
 Acetone
 Concen: 275.460 ug/l
 RT: 3.81 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.8	35.8





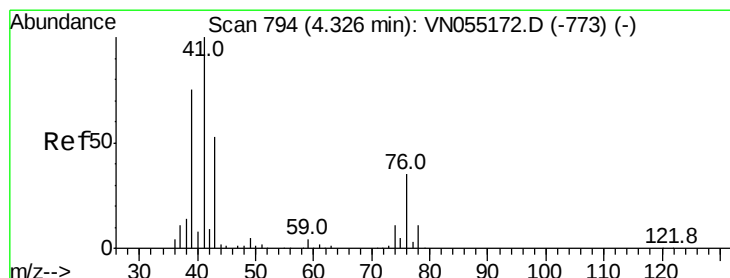
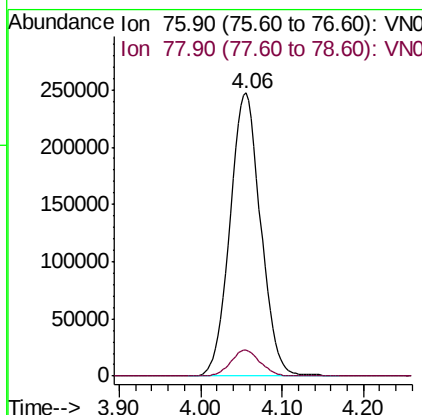
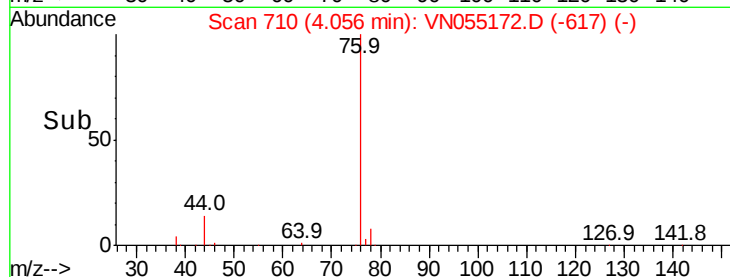
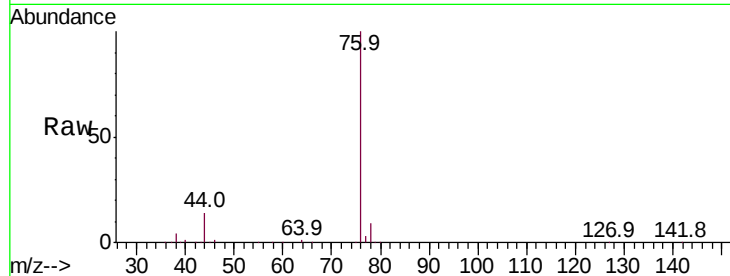
#17
Carbon Disulfide
Concen: 51.567 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

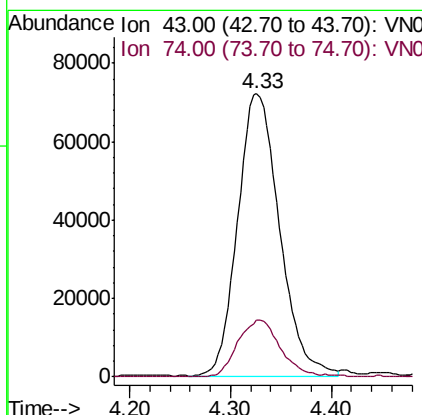
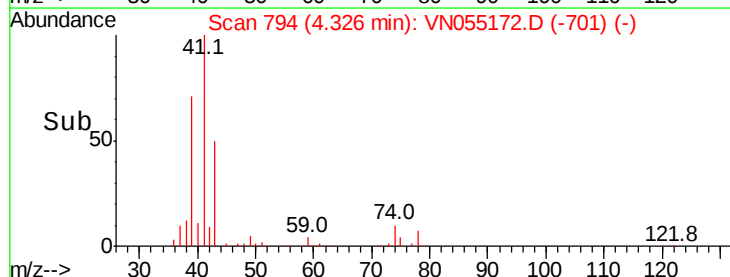
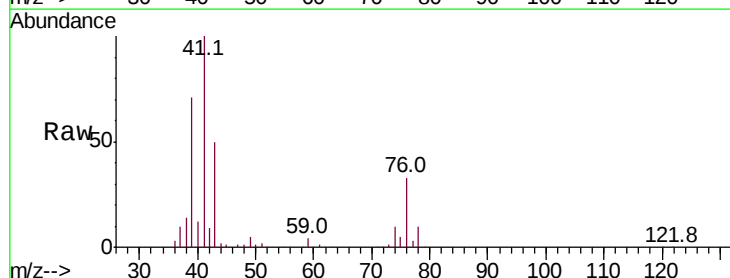
Manual Integrations
APPROVED

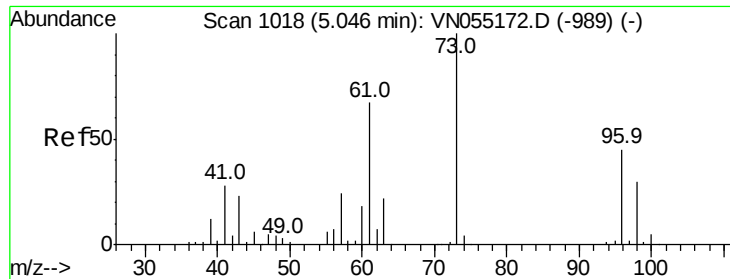
MMDadoda
4/23/2019 1:46:41 PM



#18
Methyl Acetate
Concen: 38.245 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1





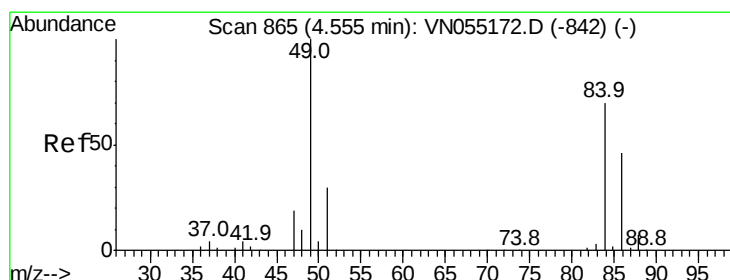
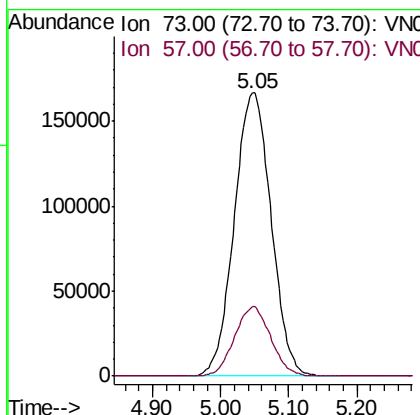
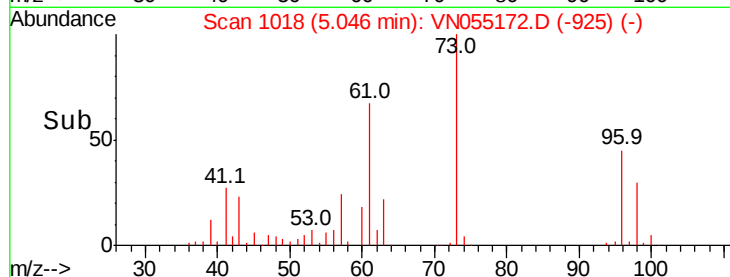
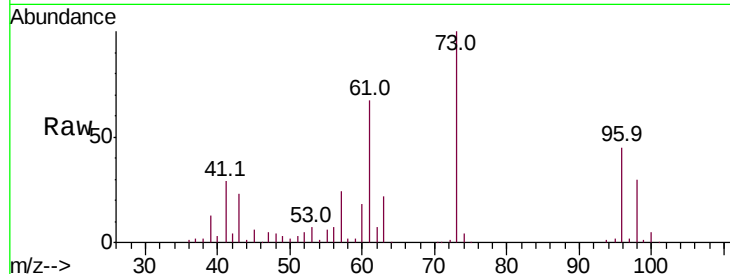
#19
Methvl tert-butvl Ether
Concen: 50.193 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 626044
Ion Ratio Lower Upper
73 100
57 24.4 19.5 29.3

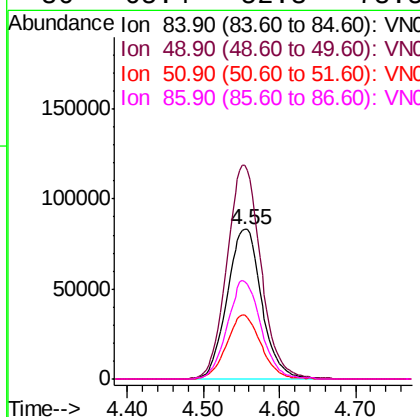
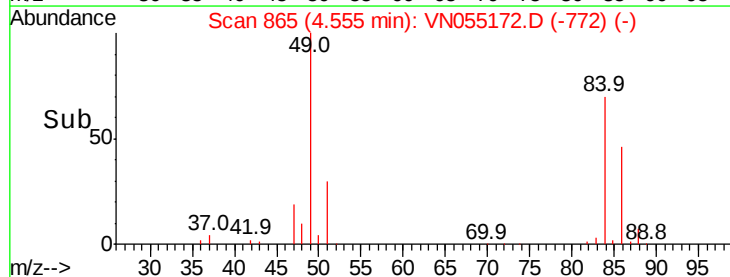
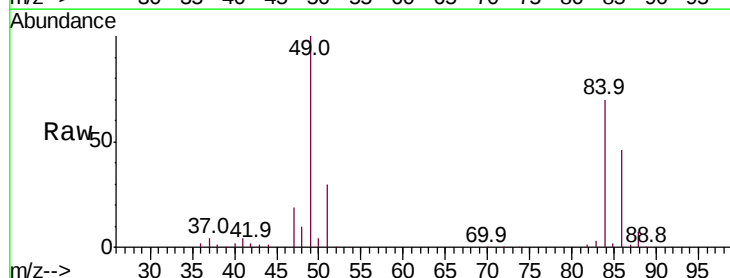
Manual Integrations
APPROVED

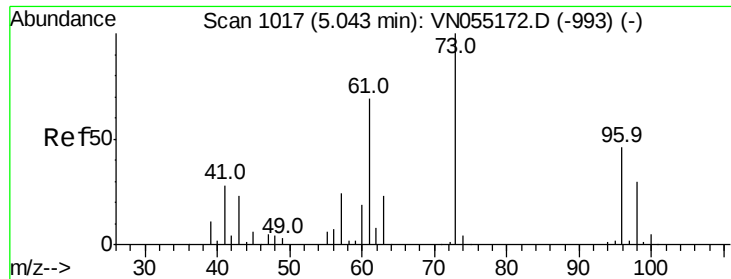
MMDadoda
4/23/2019 1:46:41 PM



#20
Methylene Chloride
Concen: 46.510 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Tgt Ion: 84 Resp: 262336
Ion Ratio Lower Upper
84 100
49 142.2 113.8 170.6
51 42.5 34.0 51.0
86 65.4 52.3 78.5





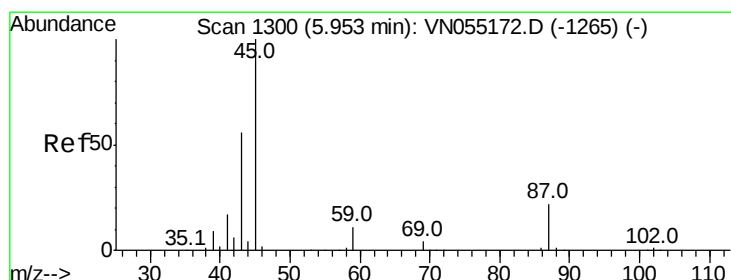
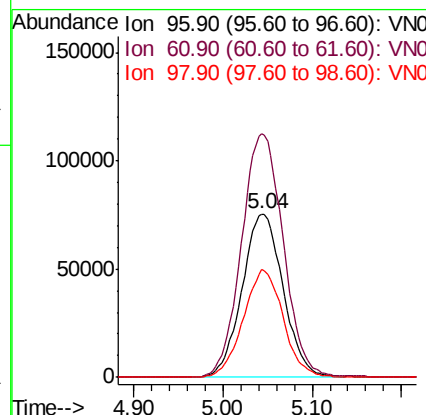
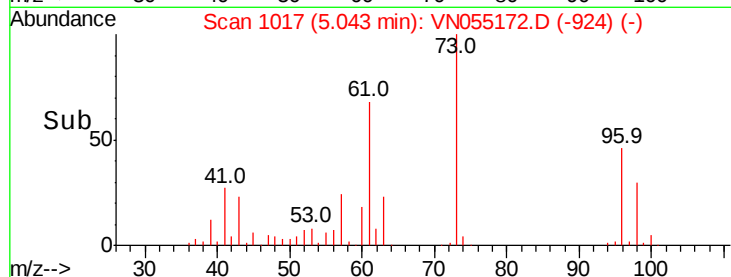
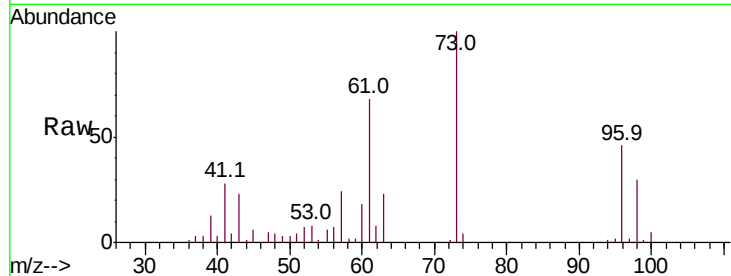
#21
trans-1,2-Dichloroethene
Concen: 50.940 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.1	119.3	178.9
98	66.2	53.0	79.4

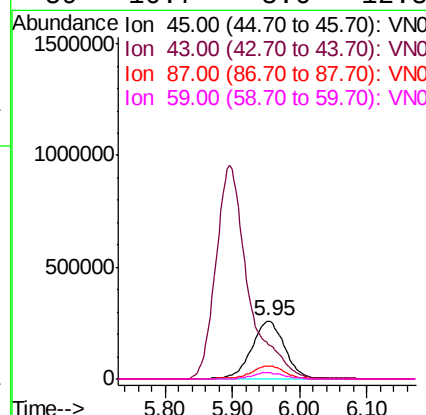
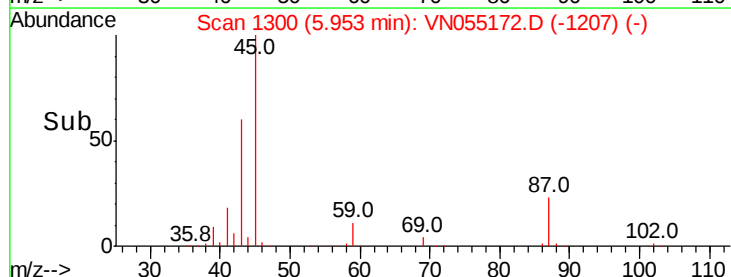
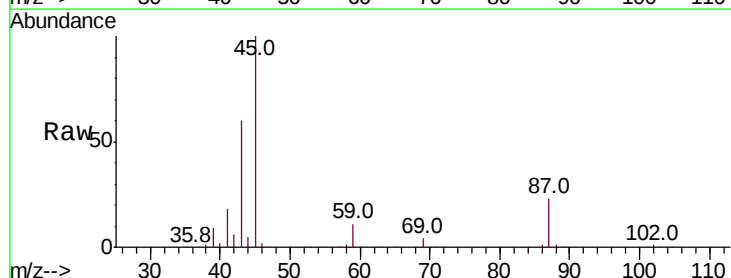
Manual Integrations
APPROVED

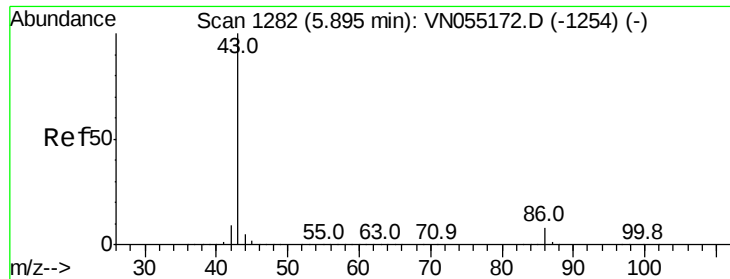
MMDadoda
4/23/2019 1:46:41 PM



#22
Diisopropyl ether
Concen: 49.991 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.2	47.4	71.0
87	23.0	18.4	27.6
59	10.7	8.6	12.8





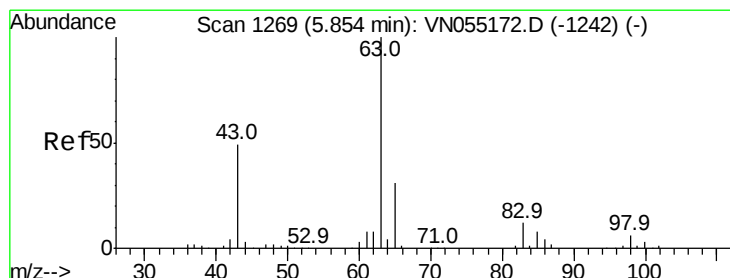
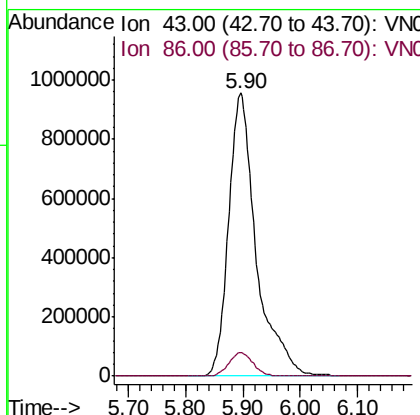
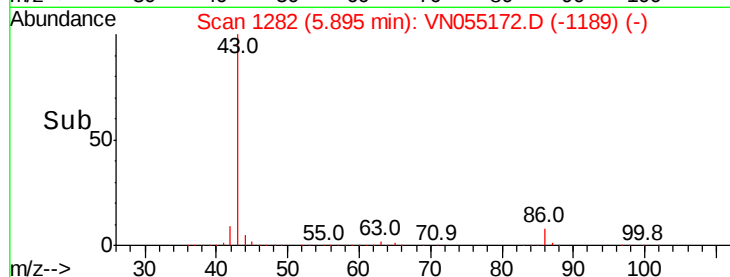
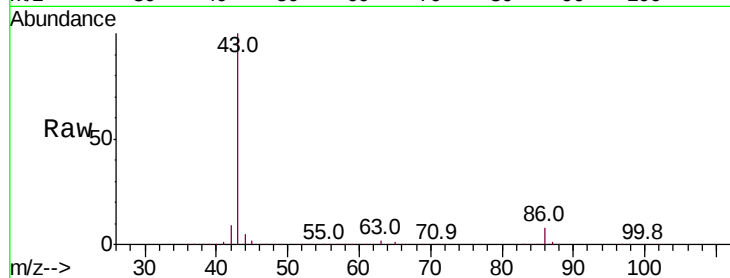
#23
 Vinyl Acetate
 Concen: 268.585 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 3208483
 Ion Ratio Lower Upper
 43 100
 86 8.5 6.8 10.2

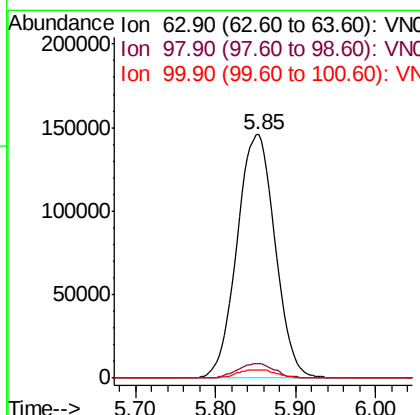
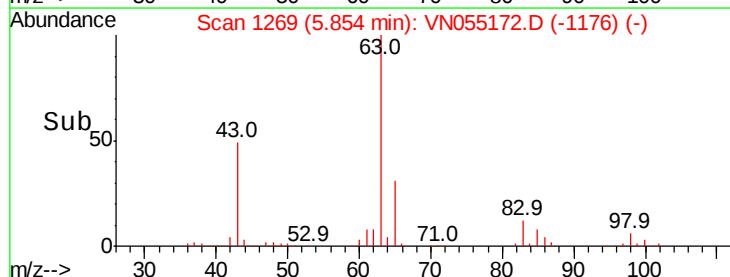
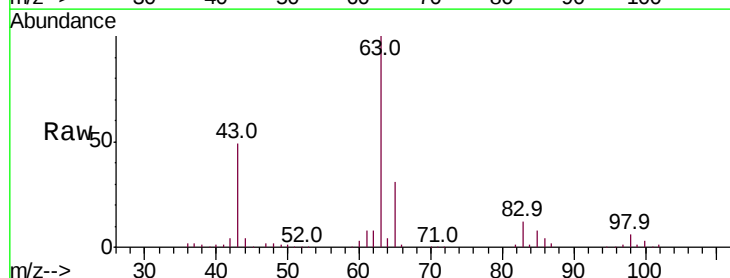
Manual Integrations
 APPROVED

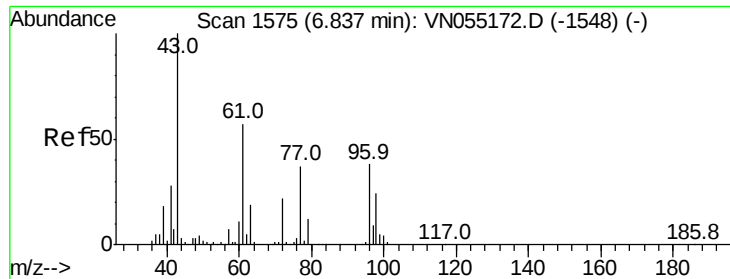
MMDadoda
 4/23/2019 1:46:41 PM



#24
 1,1-Dichloroethane
 Concen: 49.269 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Tgt Ion: 63 Resp: 471106
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.1 9.3
 100 3.5 1.8 5.3





#25

2-Butanone

Concen: 260.633 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 660181

Ion Ratio Lower Upper

43 100

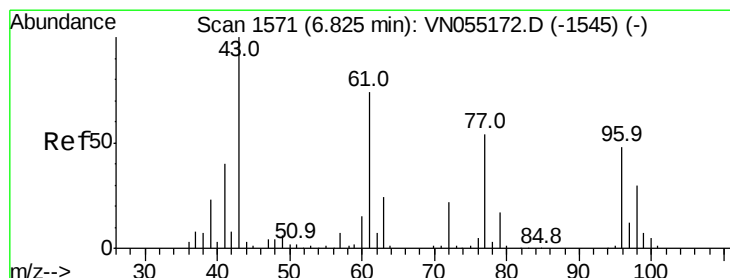
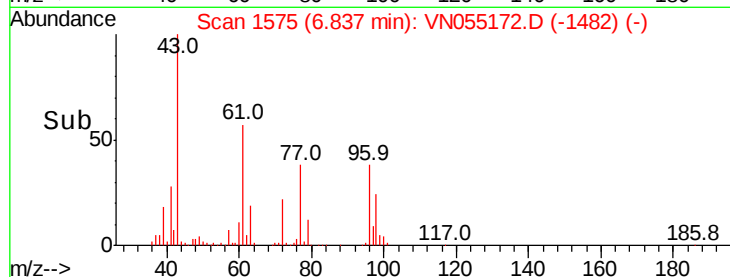
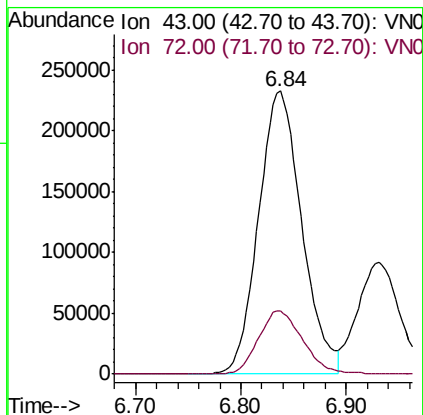
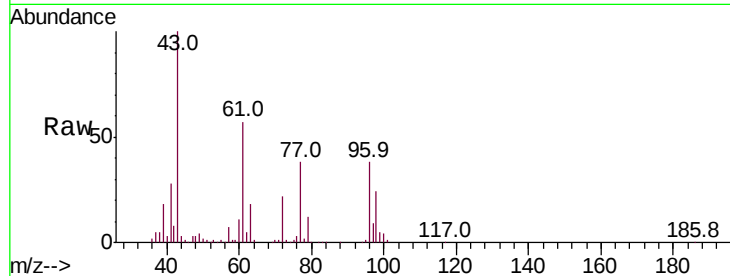
72 22.3 17.8 26.8

Manual Integrations

APPROVED

MMDadoda

4/23/2019 1:46:41 PM



#26

2,2-Dichloropropane

Concen: 49.399 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055172.D

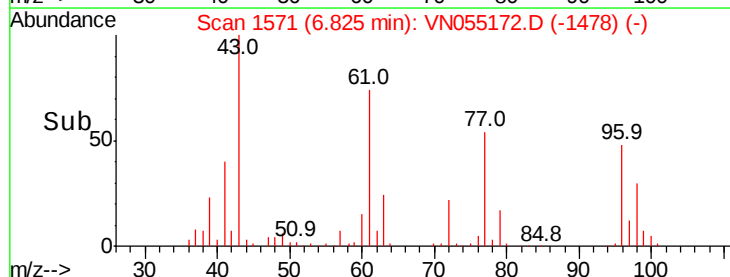
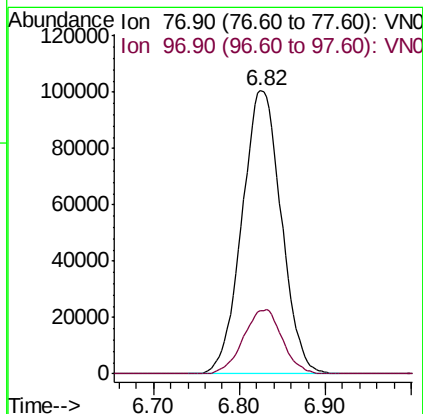
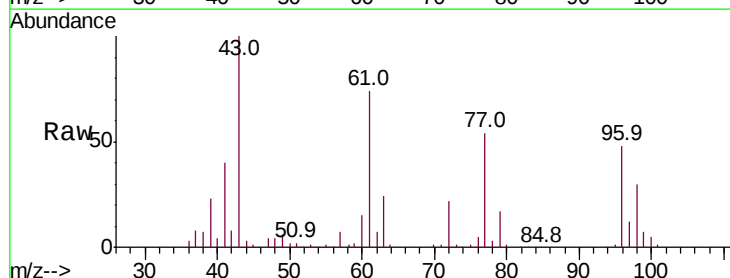
Acq: 22 Apr 2019 10:38

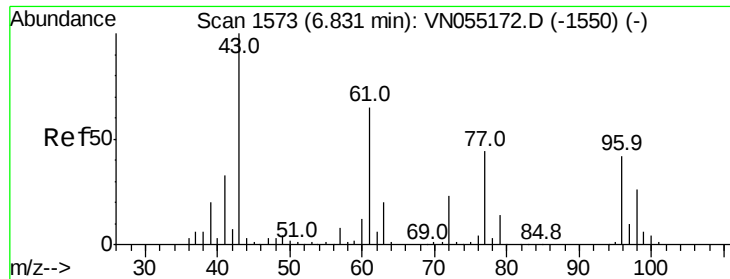
Tgt Ion: 77 Resp: 319639

Ion Ratio Lower Upper

77 100

97 22.5 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 49.725 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 271159

Ion Ratio Lower Upper

96 100

61 155.4 0.0 310.8

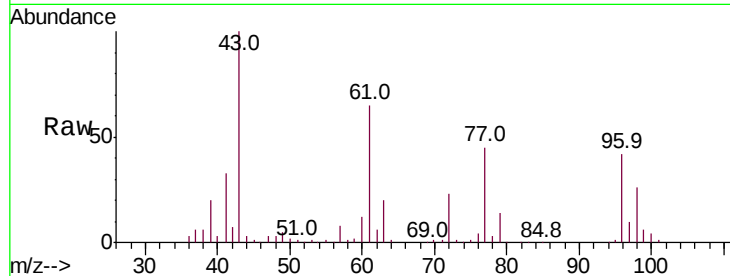
98 63.7 0.0 127.4

Manual Integrations

APPROVED

MMDadoda

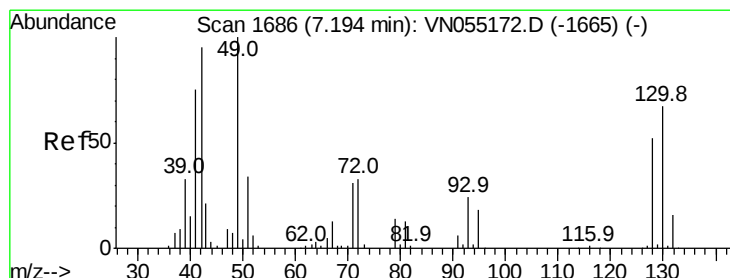
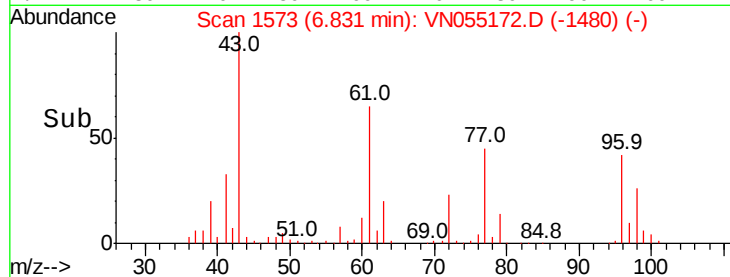
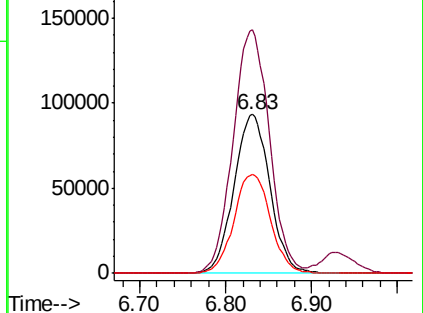
4/23/2019 1:46:41 PM



Abundance Ion 95.90 (95.60 to 96.60): VN055172.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN055172.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN055172.D (-1550) (-)



#28

Bromochloromethane

Concen: 48.798 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

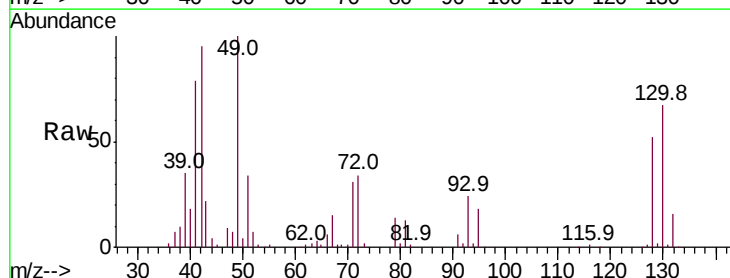
Tgt Ion: 49 Resp: 237850

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

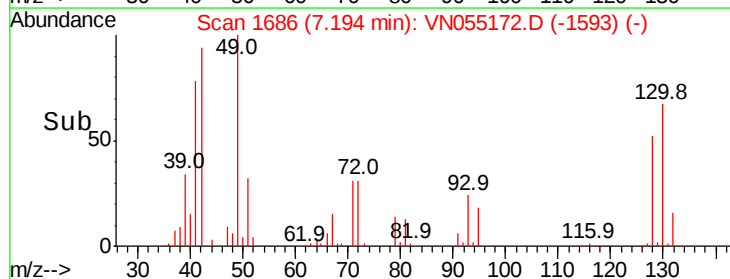
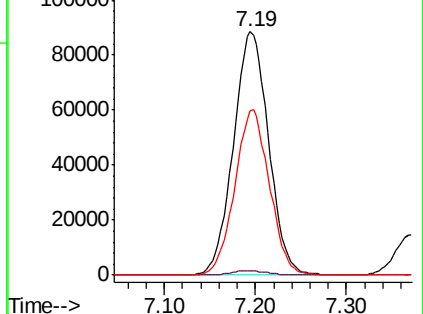
130 66.8 53.4 80.2

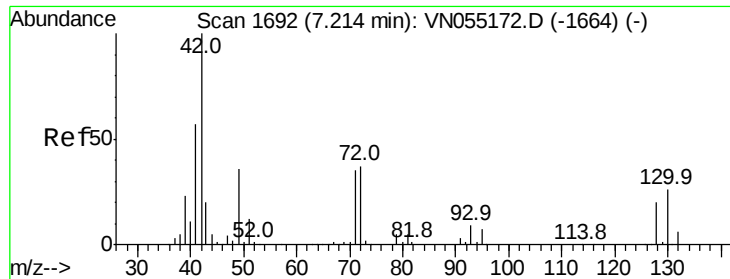


Abundance Ion 48.90 (48.60 to 49.60): VN055172.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN055172.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN055172.D (-1665) (-)





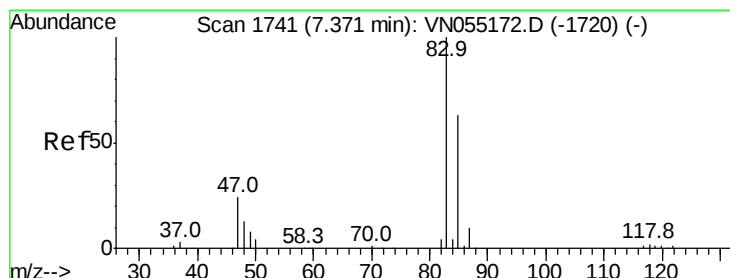
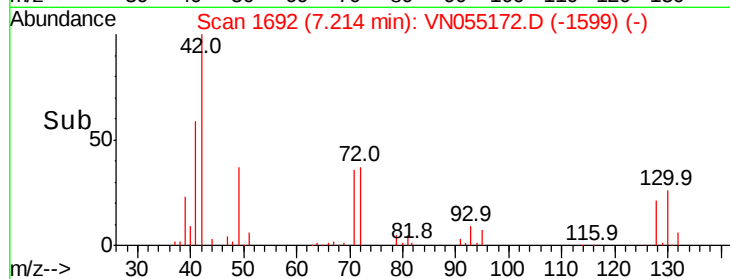
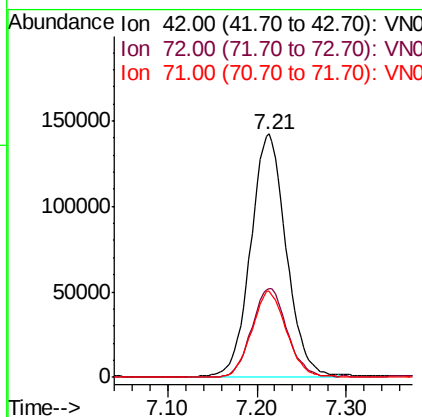
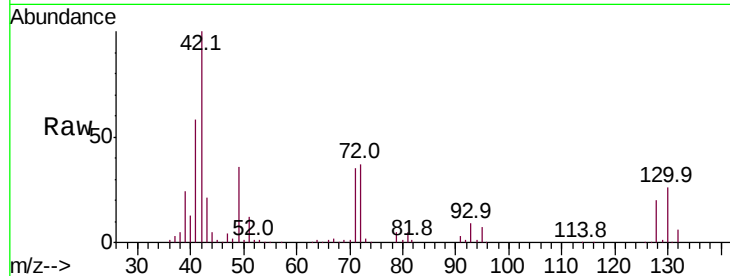
#29
Tetrahydrofuran
Concen: 246.468 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	29.4	44.2
71	34.8	27.8	41.8

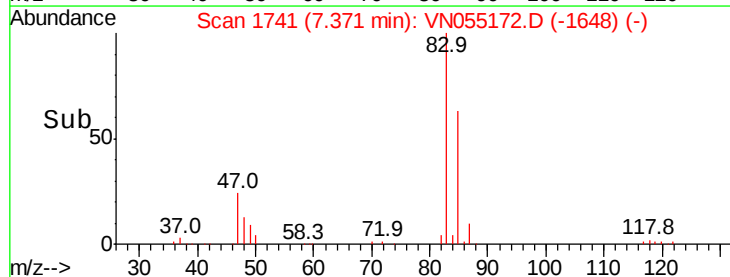
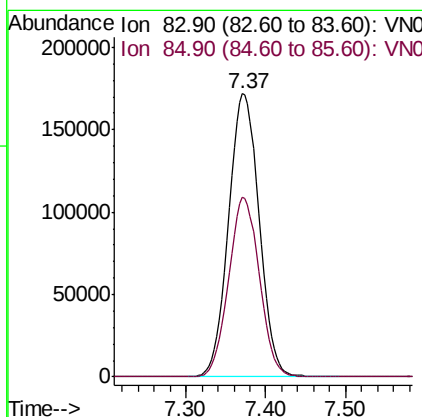
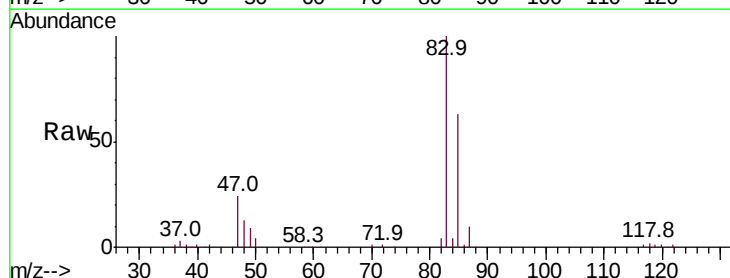
Manual Integrations
APPROVED

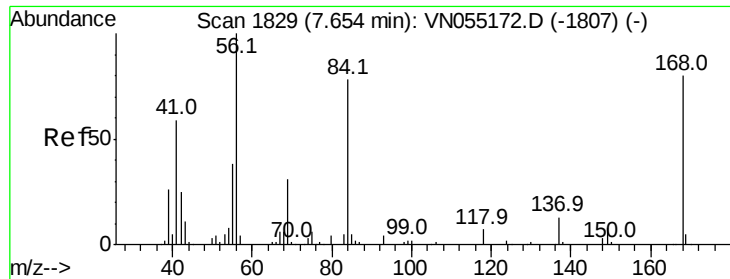
MMDadoda
4/23/2019 1:46:41 PM



#30
Chloroform
Concen: 48.979 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0





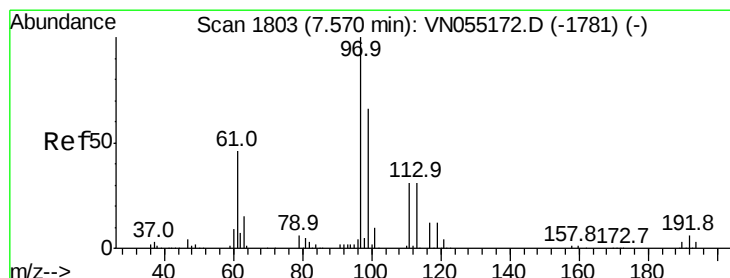
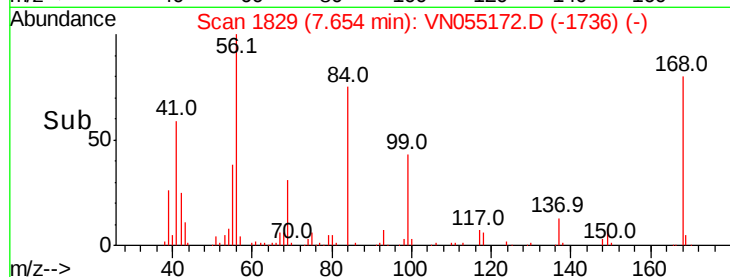
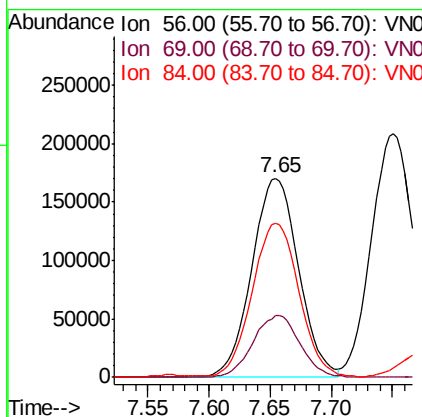
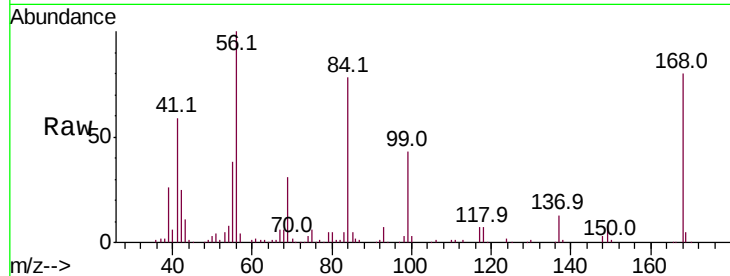
#31
Cyclohexane
Concen: 41.292 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.6	37.0
84	76.8	61.4	92.2

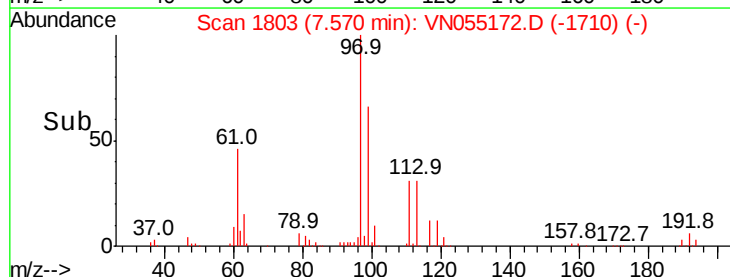
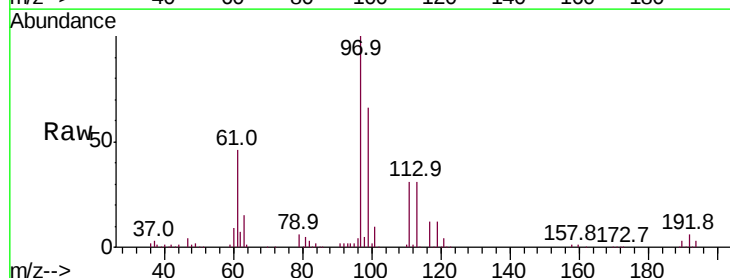
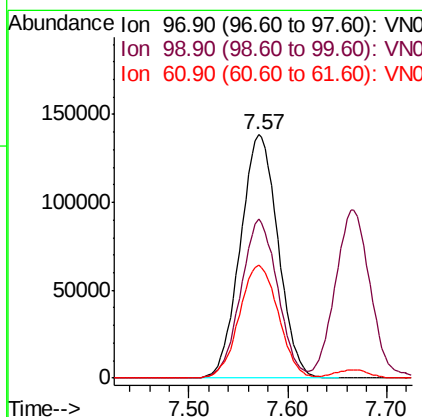
Manual Integrations
APPROVED

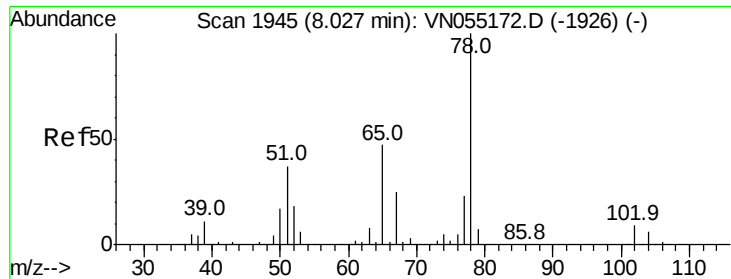
MMDadoda
4/23/2019 1:46:41 PM



#32
1,1,1-Trichloroethane
Concen: 50.267 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	47.9	38.3	57.5





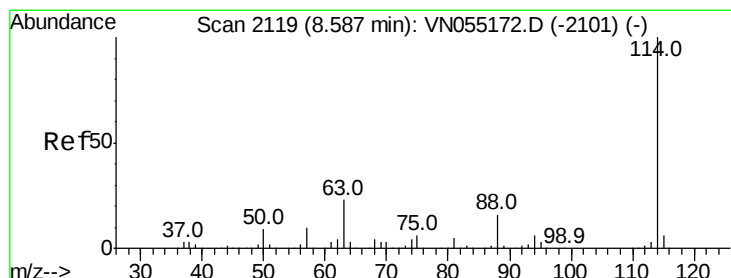
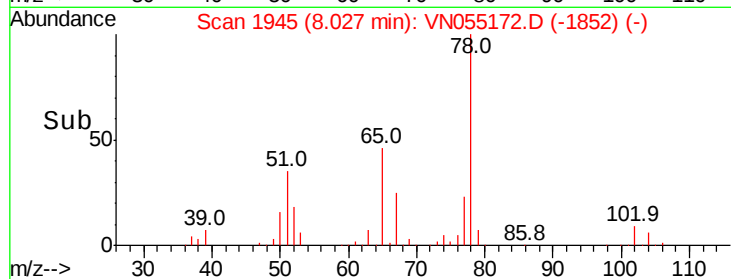
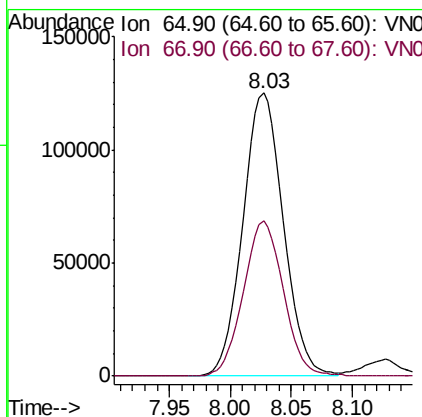
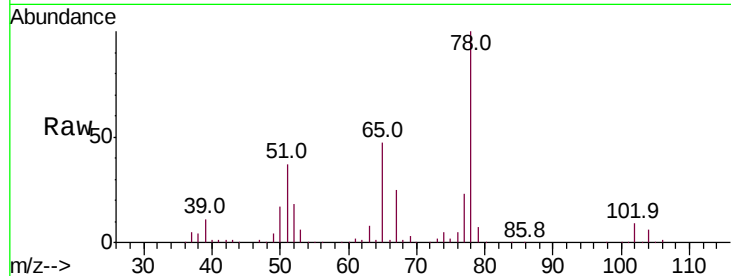
#33
 1,2-Dichloroethane-d4
 Concen: 44.696 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	287664		
67	54.3	0.0	108.6	

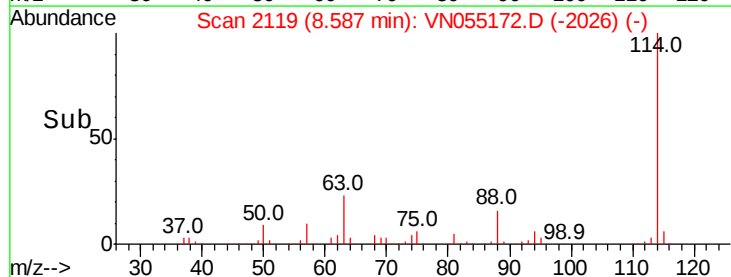
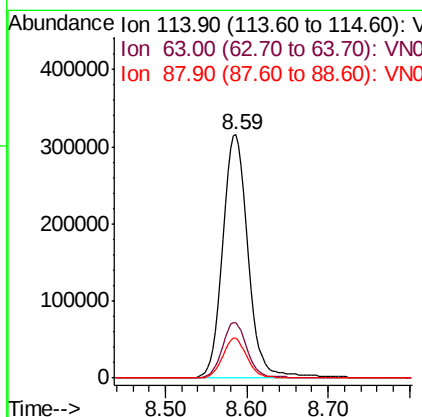
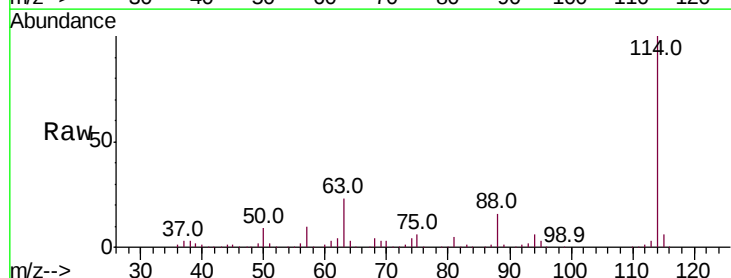
Manual Integrations
 APPROVED

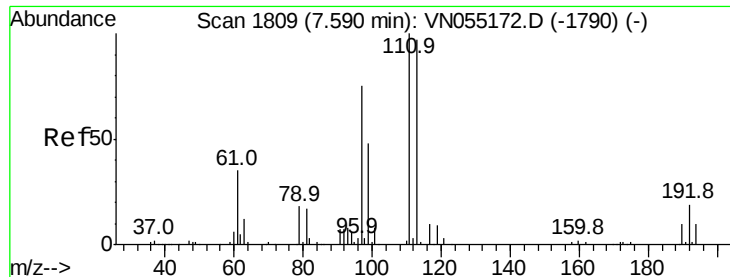
MMDadoda
 4/23/2019 1:46:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	697549		
63	22.6	0.0	45.2	
88	16.4	0.0	32.8	





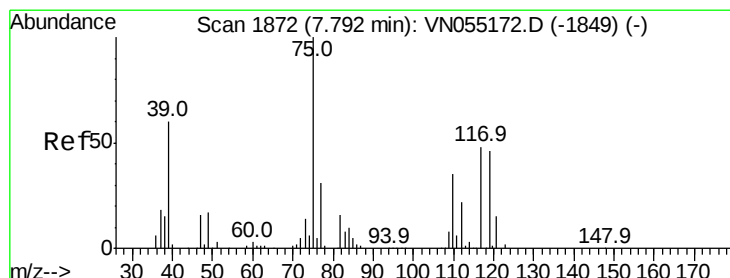
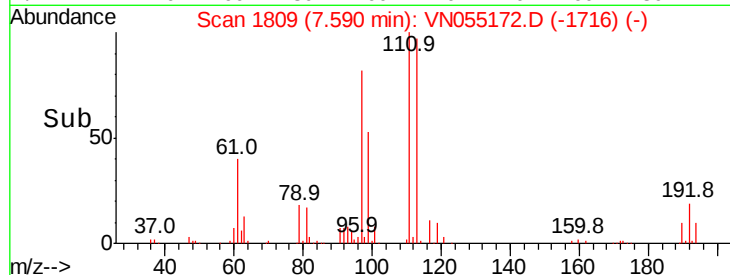
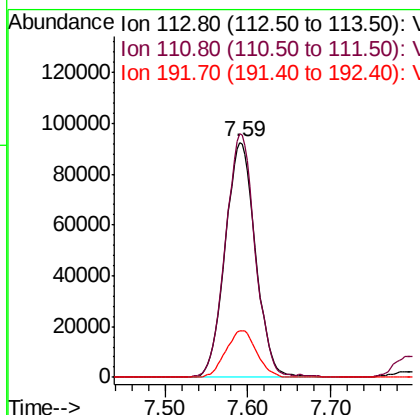
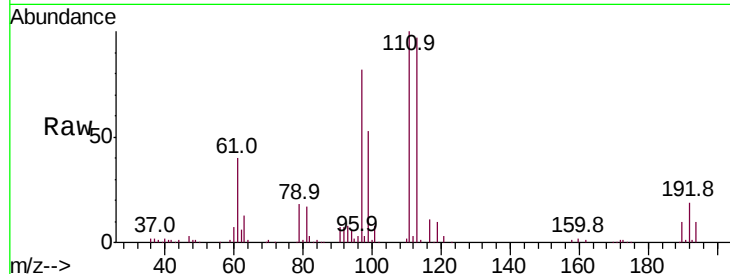
#35
 Dibromofluoromethane
 Concen: 46.981 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.2	81.0	121.4	
192	20.3	16.2	24.4	

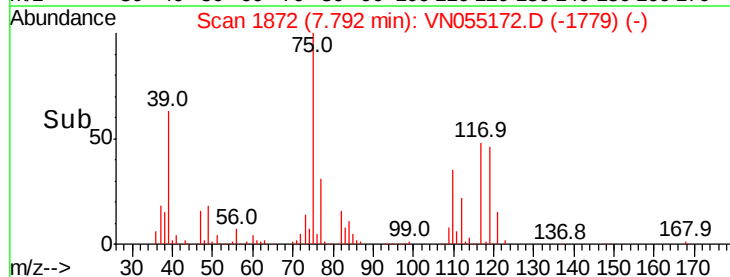
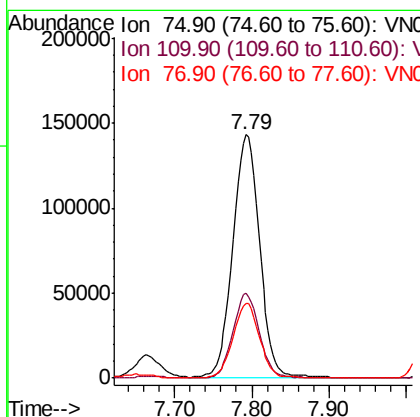
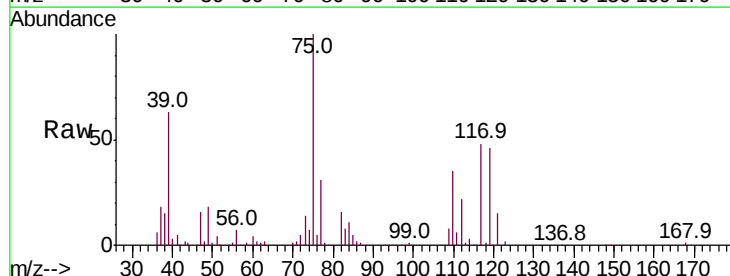
Manual Integrations
 APPROVED

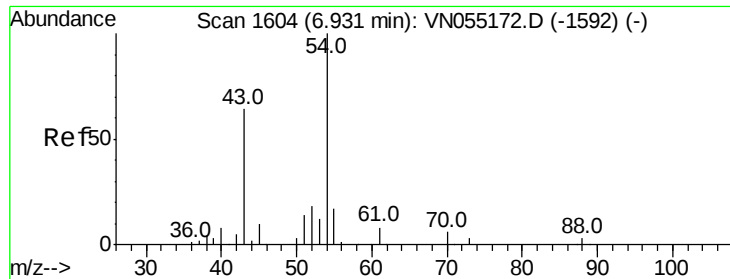
MMDadoda
 4/23/2019 1:46:41 PM



#36
 1,1-Dichloropropene
 Concen: 53.055 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.1	17.1	51.2	
77	30.7	24.6	36.8	





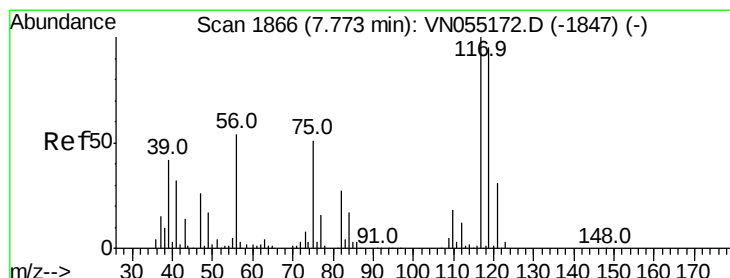
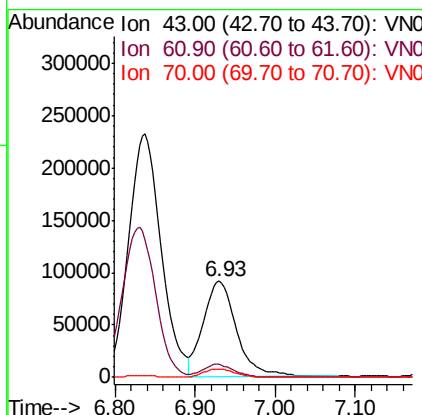
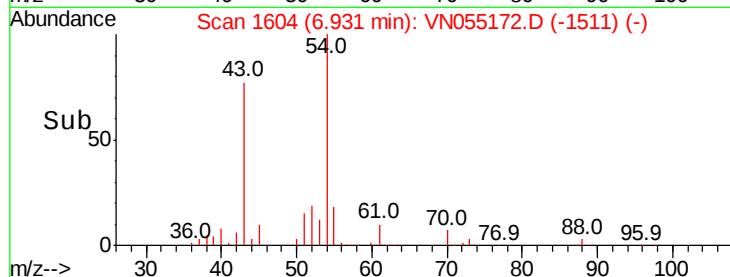
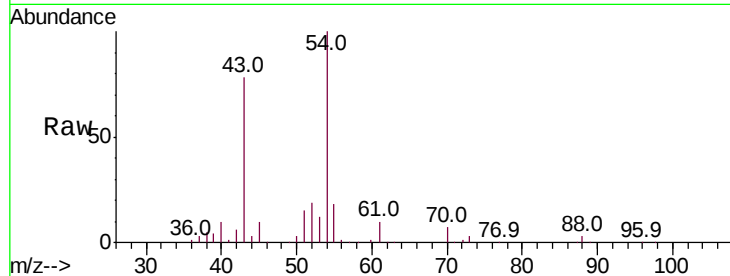
#37
Ethyl Acetate
Concen: 49.039 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.7	14.5
70	8.6	6.9	10.3

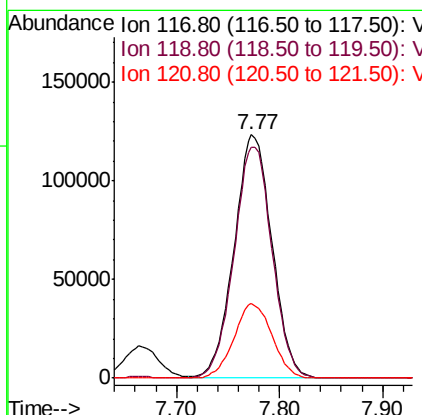
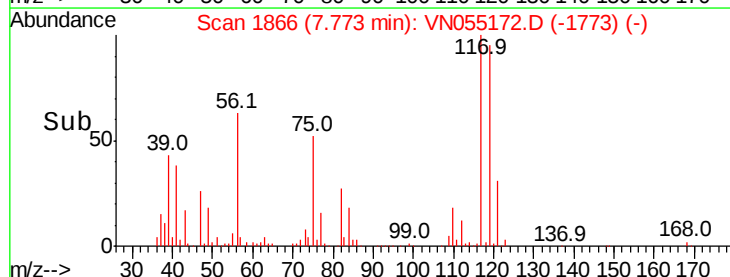
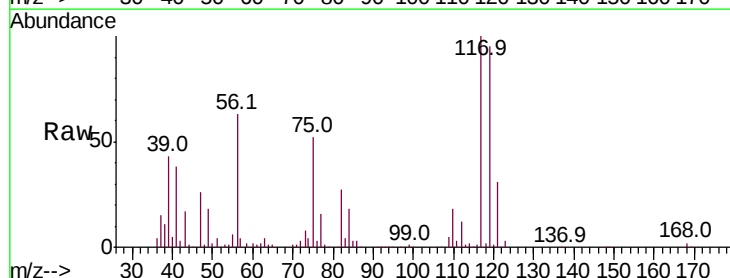
Manual Integrations
APPROVED

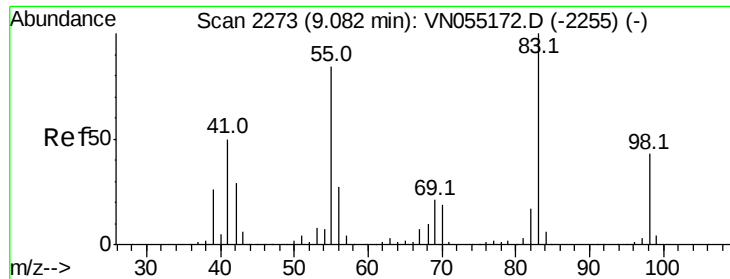
MMDadoda
4/23/2019 1:46:41 PM



#38
Carbon Tetrachloride
Concen: 48.727 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.0	114.0
121	30.7	24.6	36.8





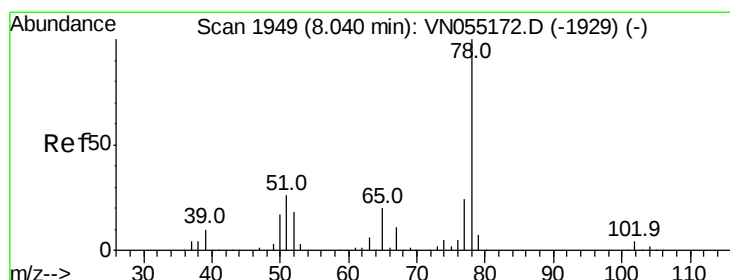
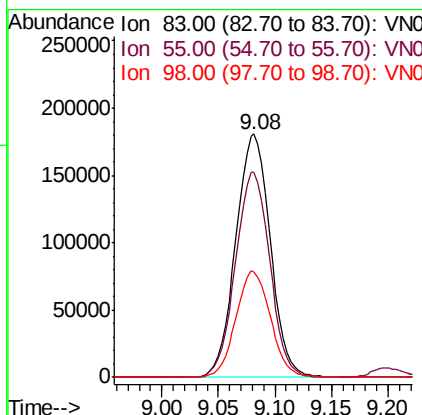
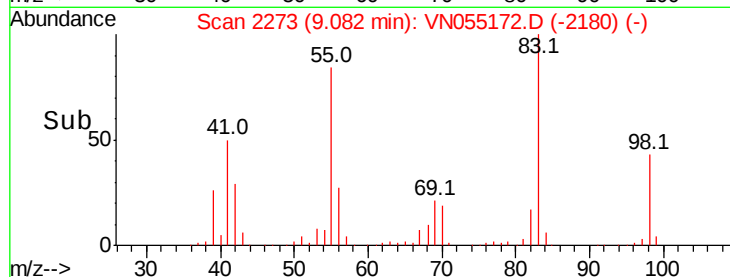
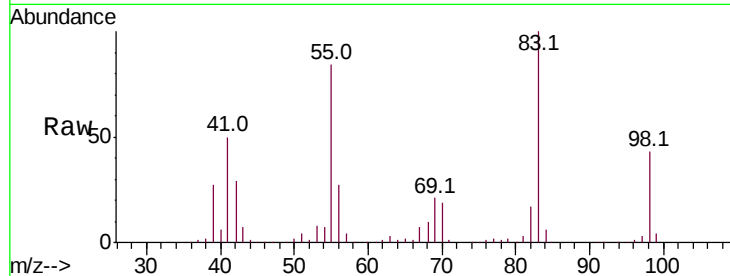
#39
Methvlcvclohexane
Concen: 49.963 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Ratio	100	Resp	385904
Ion	83	100		Lower	Upper
	55	84.2		67.4	101.0
	98	43.4		34.7	52.1

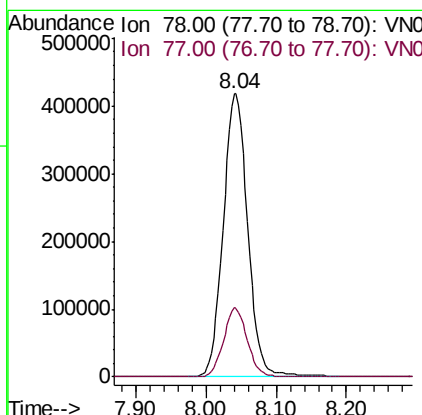
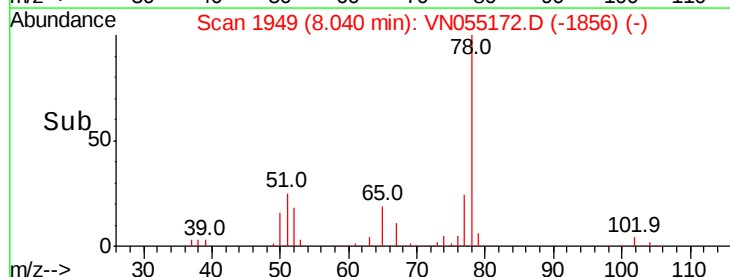
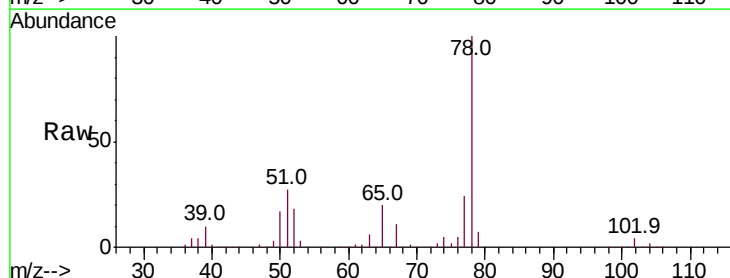
Manual Integrations
APPROVED

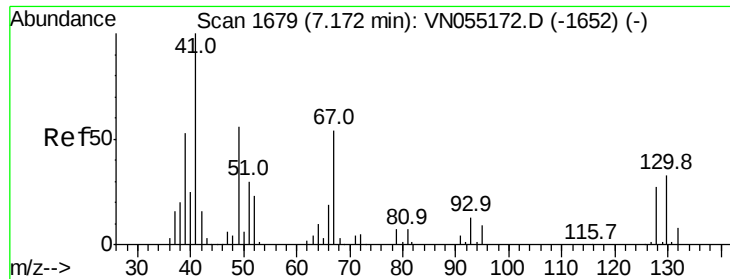
MMDadoda
4/23/2019 1:46:41 PM



#40
Benzene
Concen: 50.895 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Tgt Ion	78	Ratio	100	Resp	1017182
Ion	78	100		Lower	Upper
	77	24.4		19.5	29.3





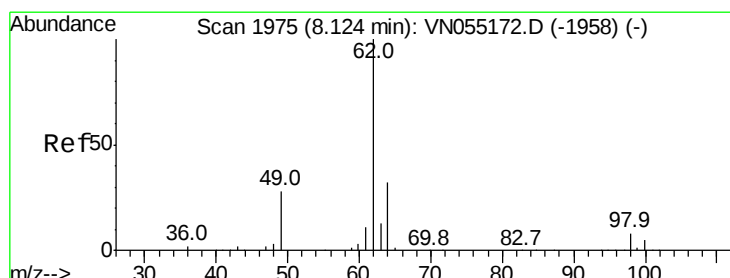
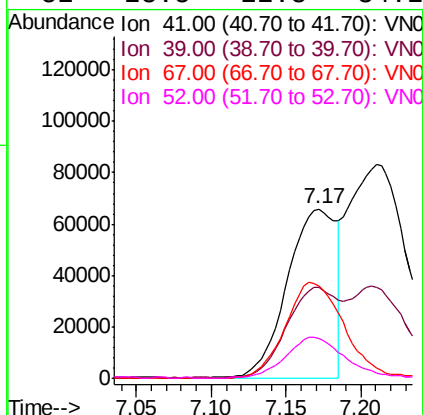
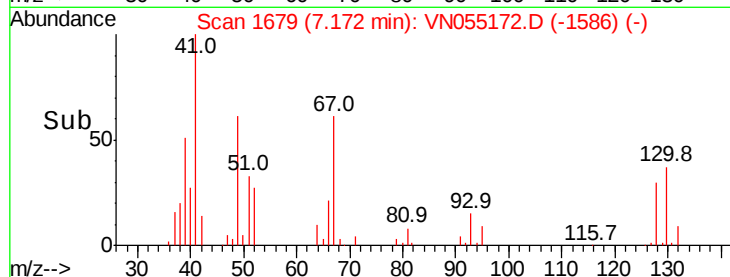
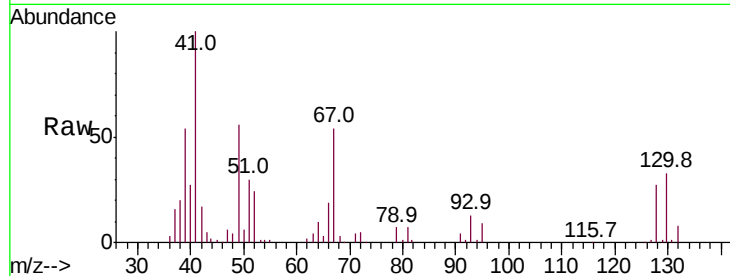
#41
Methacrylonitrile
Concen: 56.240 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.7	45.4	68.0	
67	68.2	54.6	81.8	
52	28.5	22.8	34.2	

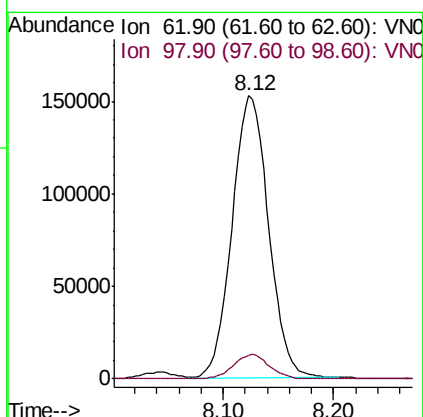
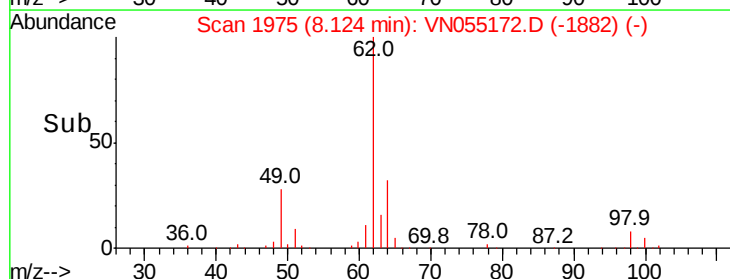
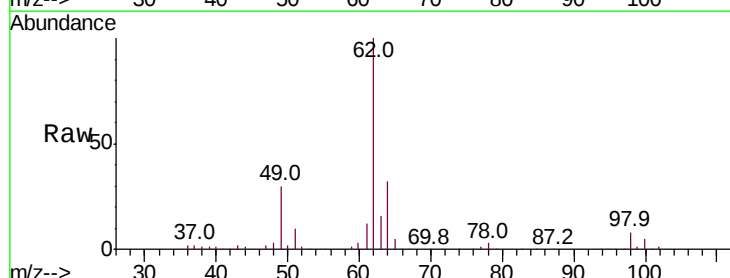
Manual Integrations
APPROVED

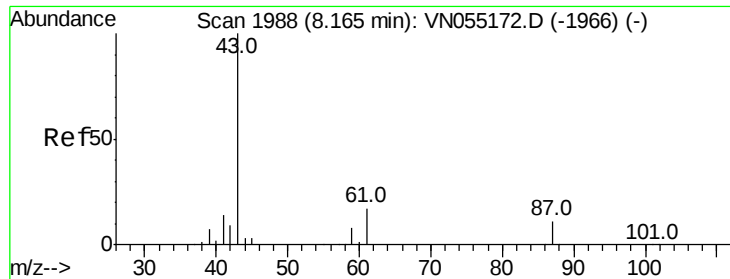
MMDadoda
4/23/2019 1:46:41 PM



#42
1,2-Dichloroethane
Concen: 50.187 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.0	





#43

Isopropyl Acetate

Concen: 52.591 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

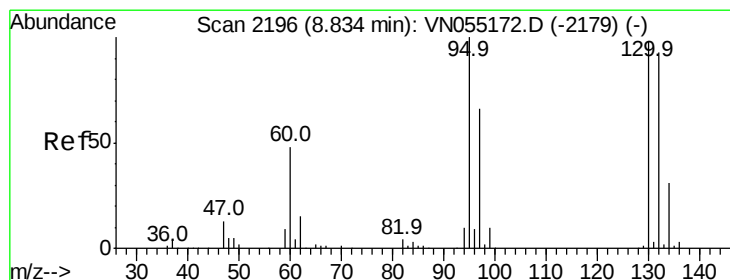
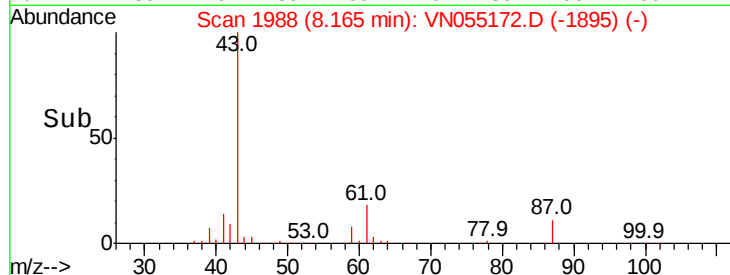
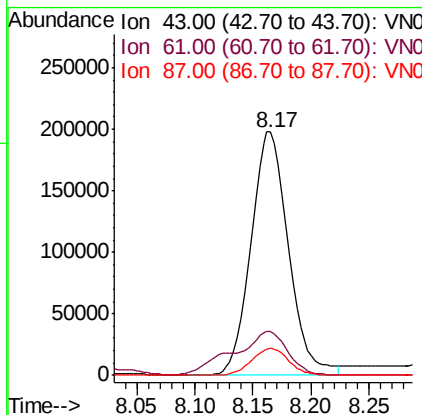
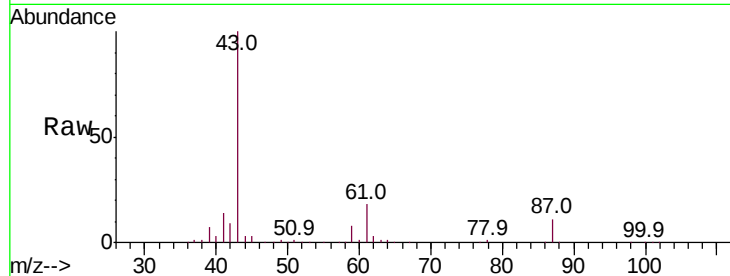
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	444976
Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.6	30.8
87	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:46:41 PM



#44

Trichloroethene

Concen: 50.690 ug/l

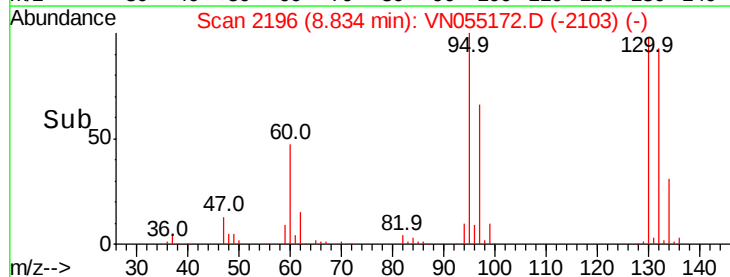
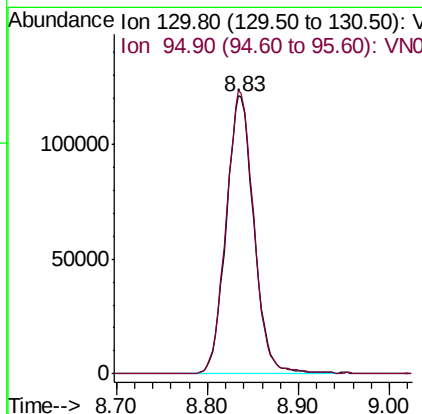
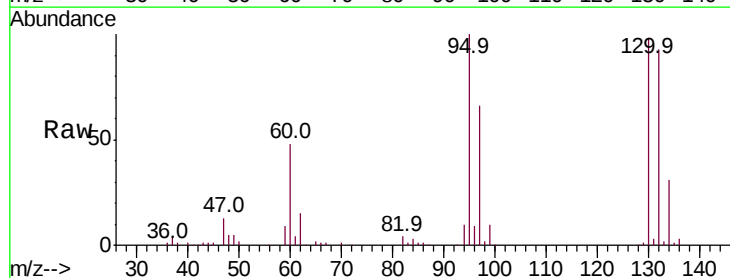
RT: 8.83 min Scan# 2196

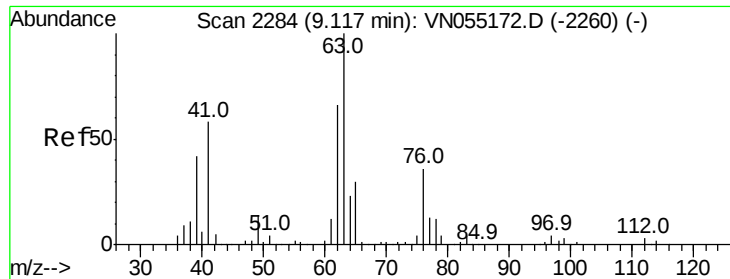
Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Tgt Ion:	130	Resp:	256057
Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	203.6





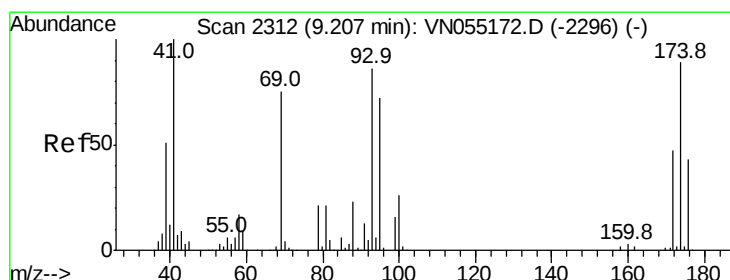
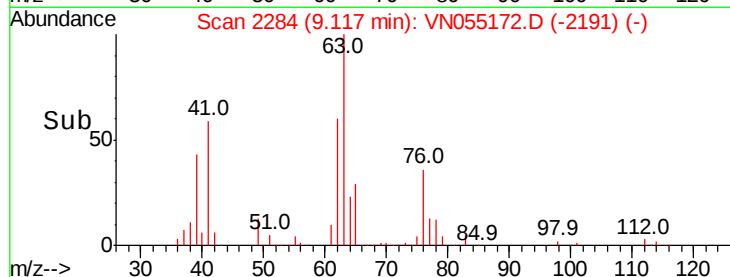
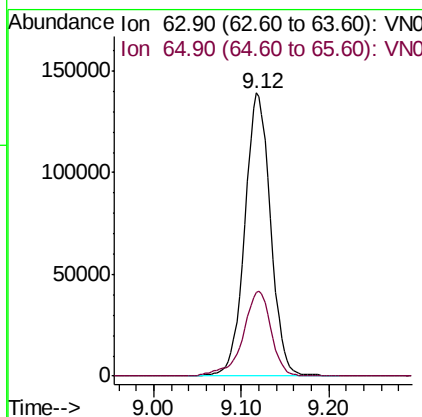
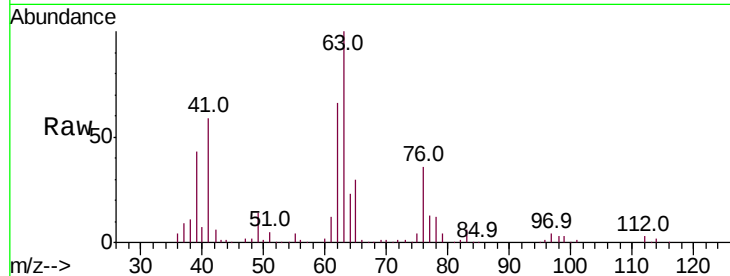
#45
 1,2-Dichloropropane
 Concen: 50.437 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 284545
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.8 35.6

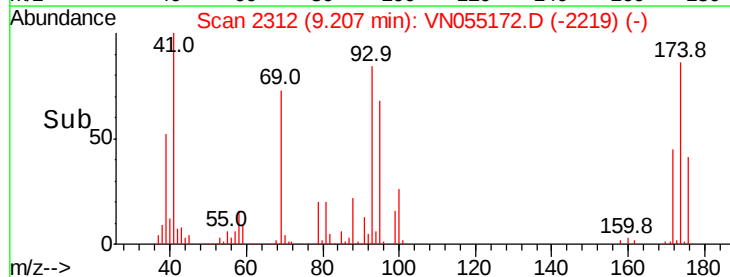
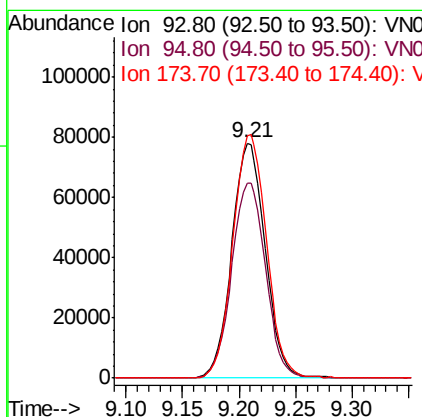
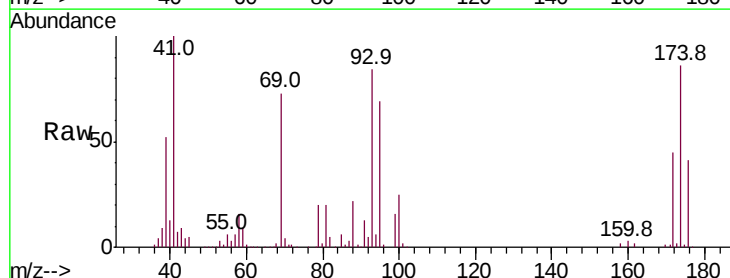
Manual Integrations
 APPROVED

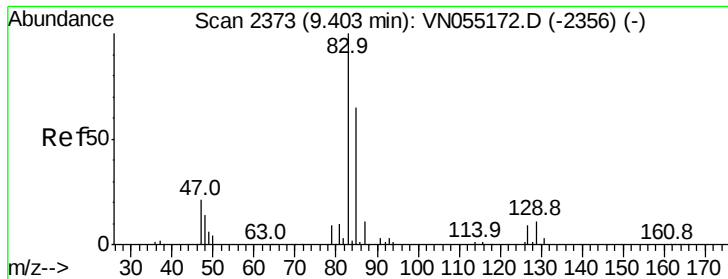
MMDadoda
 4/23/2019 1:46:41 PM



#46
 Dibromomethane
 Concen: 49.845 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Tgt Ion: 93 Resp: 160974
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.6 101.4
 174 104.3 83.4 125.2





#47

Bromodichloromethane

Concen: 52.324 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

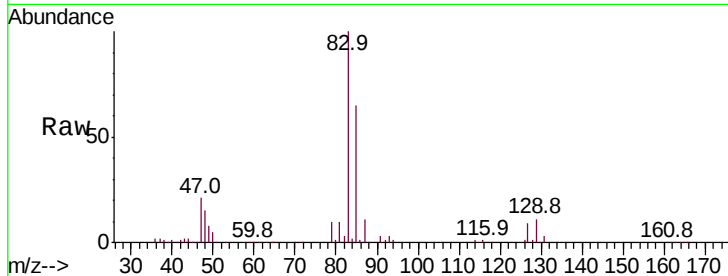
ClientSampleId :

VSTDICCC050

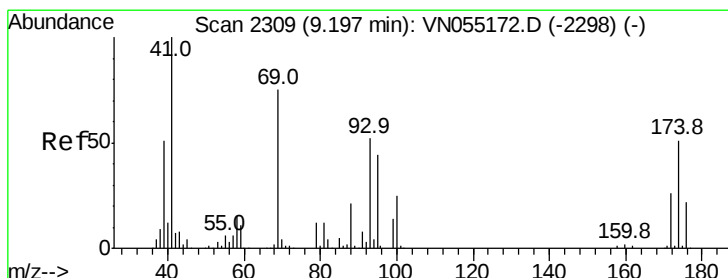
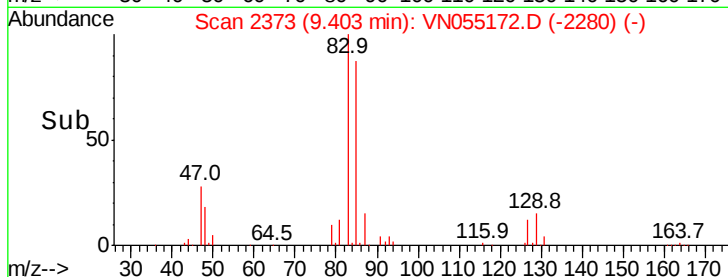
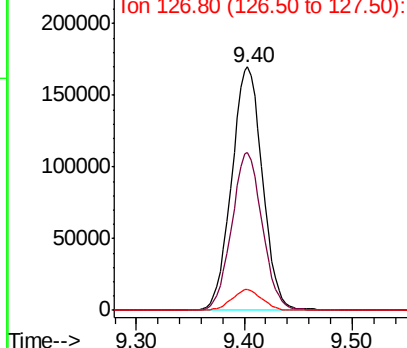
Tot Ion:	83	Resp:	338280
Ion Ratio	Lower	Upper	
83	100		
85	65.1	52.1	78.1
127	8.6	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:46:41 PM



Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.285 ug/l

RT: 9.20 min Scan# 2309

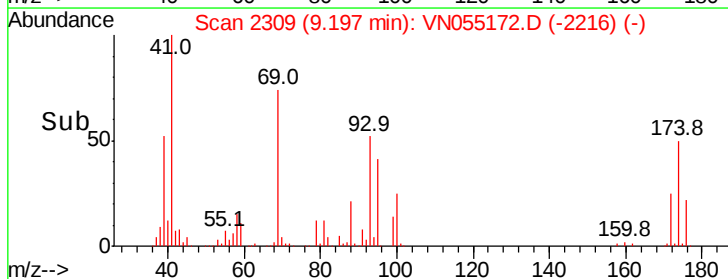
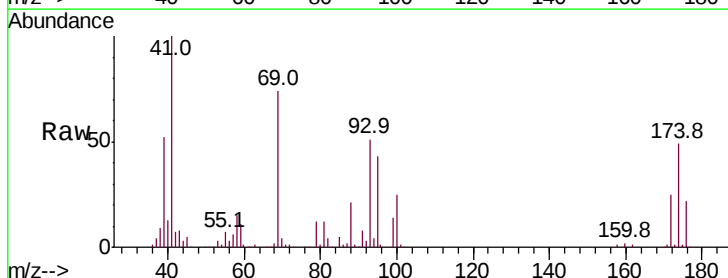
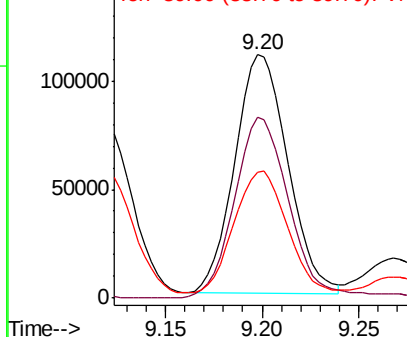
Delta R.T. 0.00 min

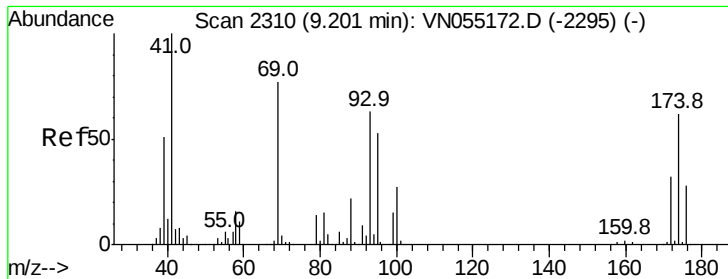
Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Tgt Ion:	41	Resp:	210486
Ion Ratio	Lower	Upper	
41	100		
69	79.5	63.6	95.4
39	54.8	43.8	65.8

Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC





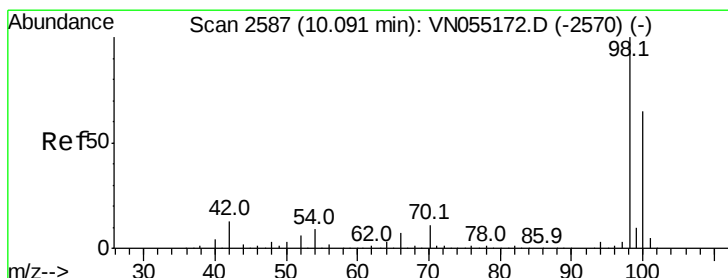
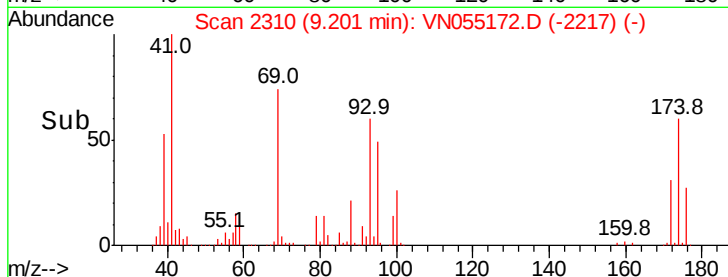
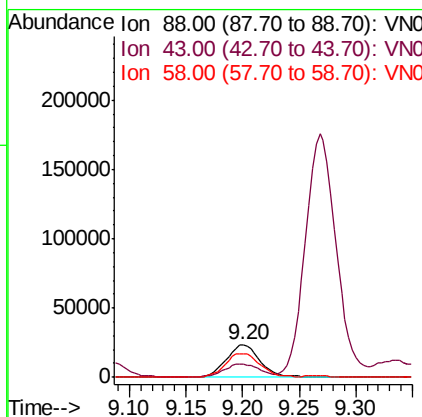
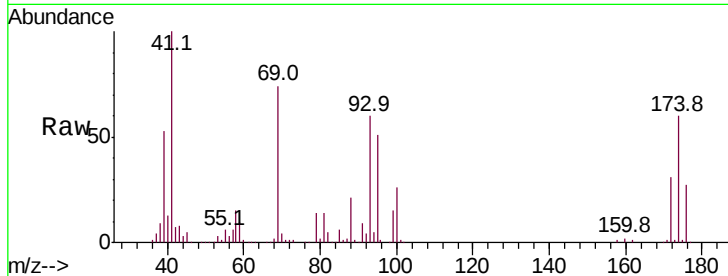
#49
1,4-Dioxane
Concen: 1040.682 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.0	32.0	48.0
58	75.5	60.4	90.6

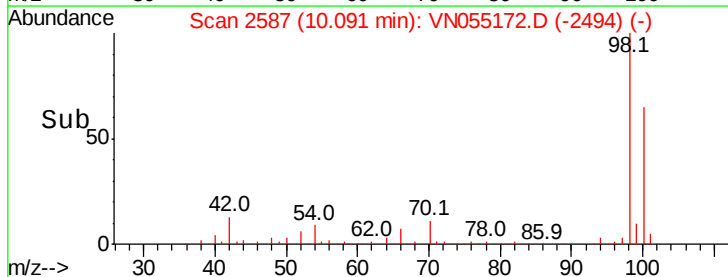
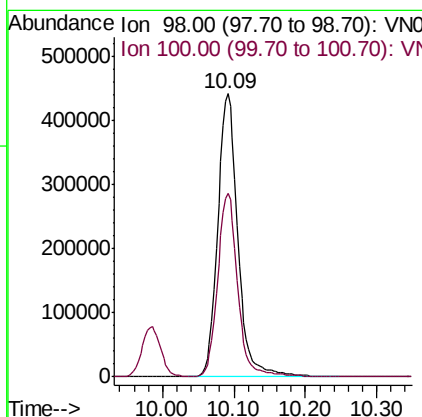
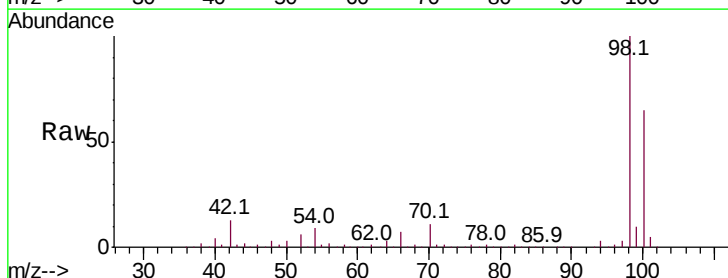
Manual Integrations
APPROVED

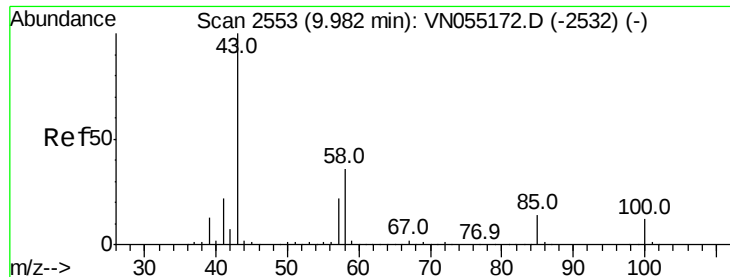
MMDadoda
4/23/2019 1:46:41 PM



#50
Toluene-d8
Concen: 47.780 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 255.543 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1244167

Ion Ratio Lower Upper

43 100

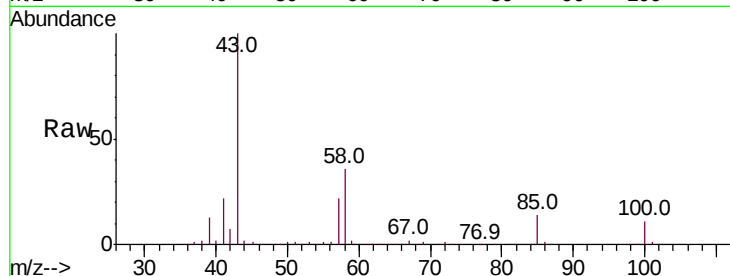
58 35.4 28.3 42.5

Manual Integrations

APPROVED

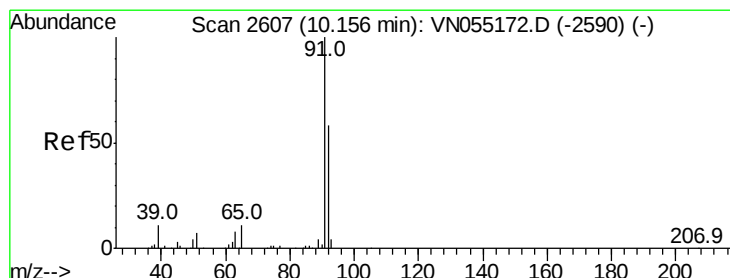
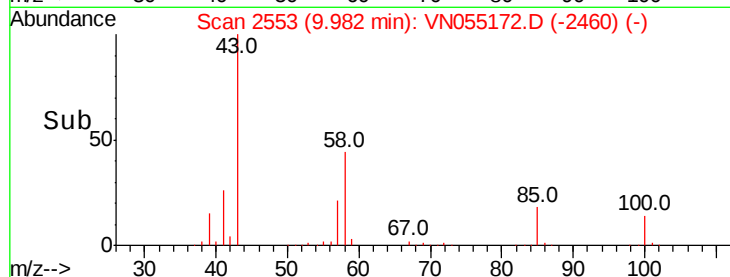
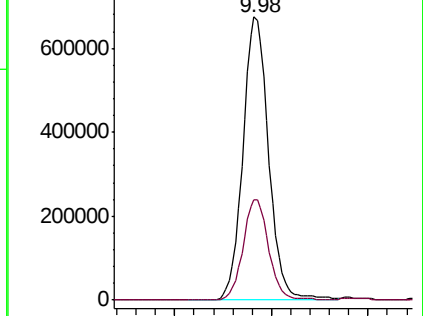
MMDadoda

4/23/2019 1:46:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.758 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055172.D

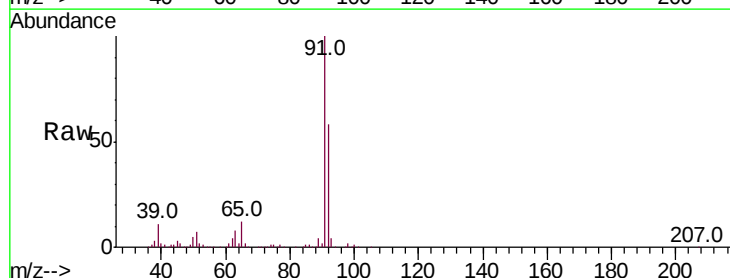
Acq: 22 Apr 2019 10:38

Tgt Ion: 92 Resp: 606412

Ion Ratio Lower Upper

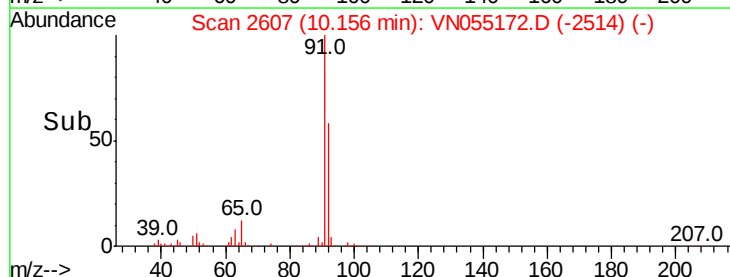
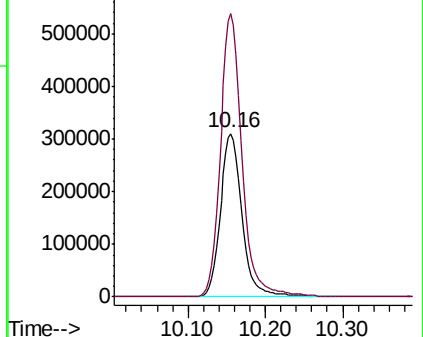
92 100

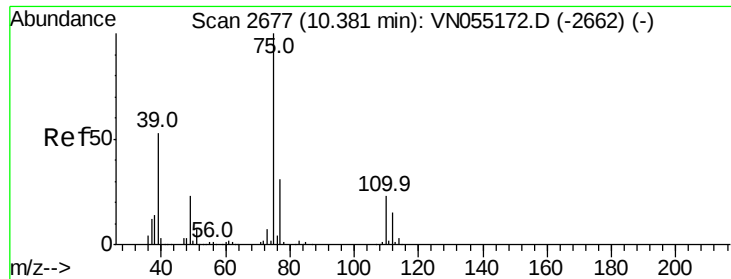
91 173.4 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





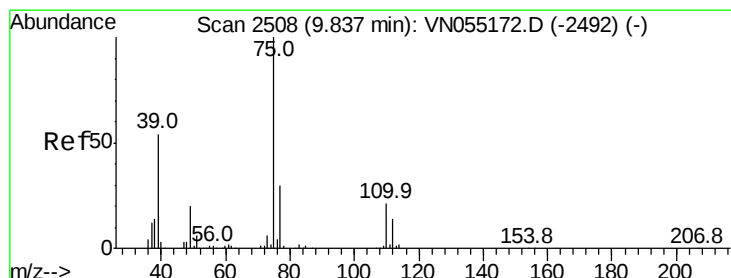
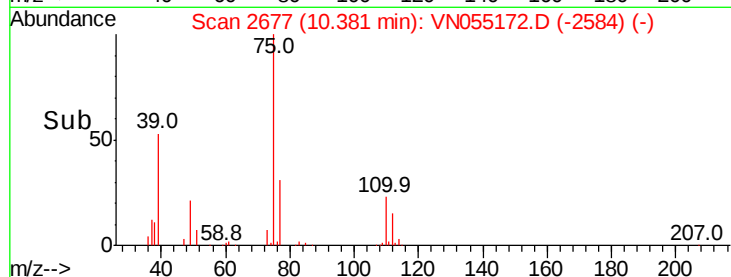
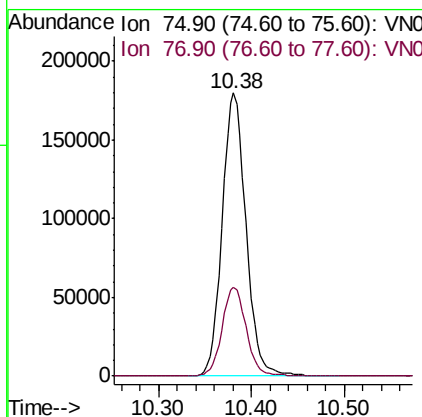
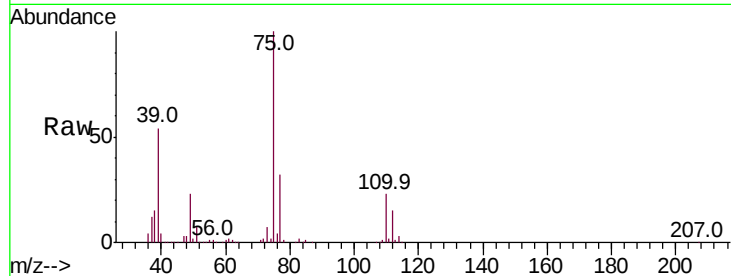
#53
t-1,3-Dichloropropene
Concen: 54.114 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 321067
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7

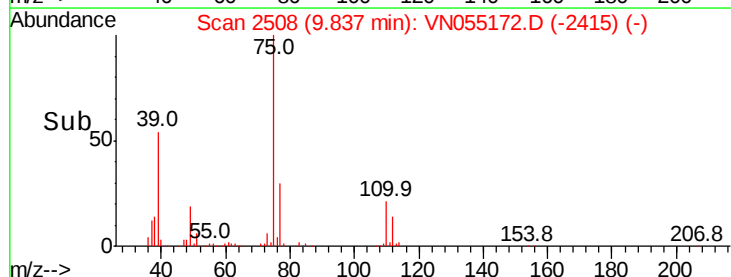
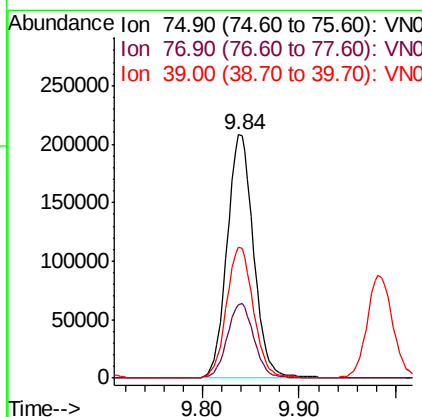
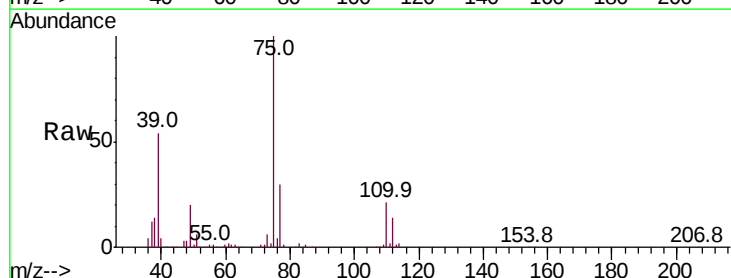
Manual Integrations
APPROVED

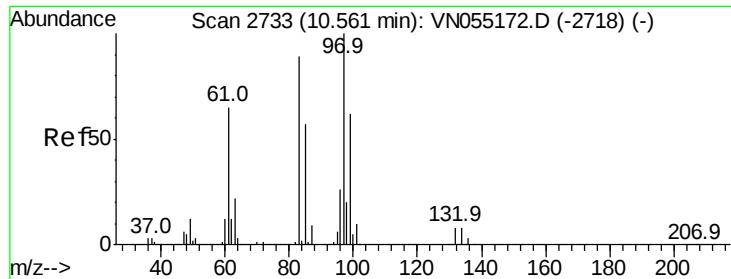
MMDadoda
4/23/2019 1:46:41 PM



#54
cis-1,3-Dichloropropene
Concen: 53.802 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Tgt Ion: 75 Resp: 396132
Ion Ratio Lower Upper
75 100
77 30.4 24.3 36.5
39 53.7 43.0 64.4





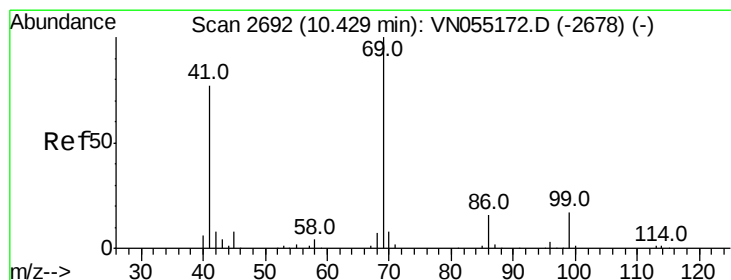
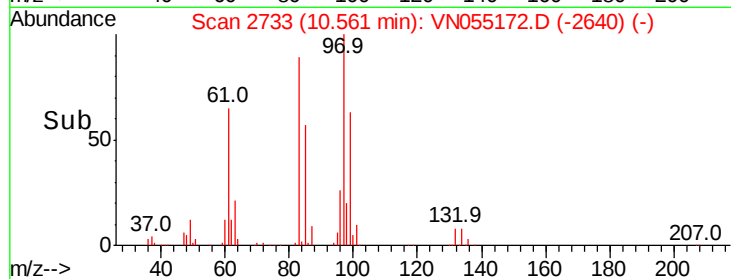
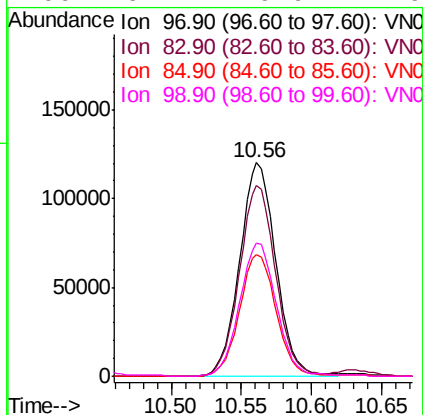
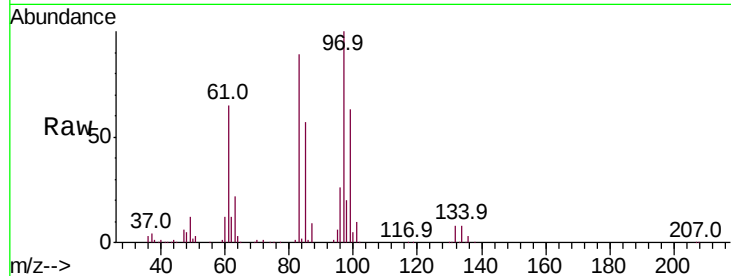
#55
 1,1,2-Trichloroethane
 Concen: 50.086 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	216349
Ion	Ratio	Lower	Upper
97	100		
83	89.4	71.5	107.3
85	57.2	45.8	68.6
99	62.4	49.9	74.9

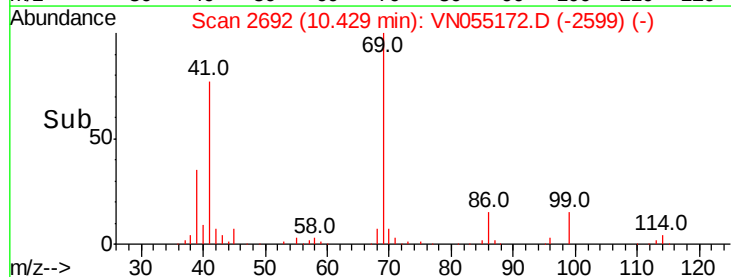
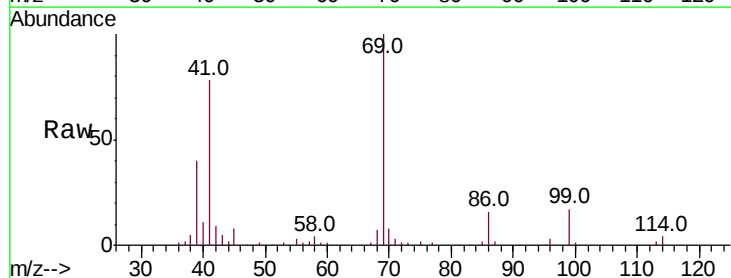
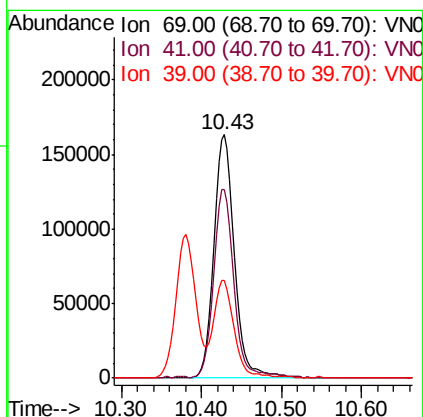
Manual Integrations
 APPROVED

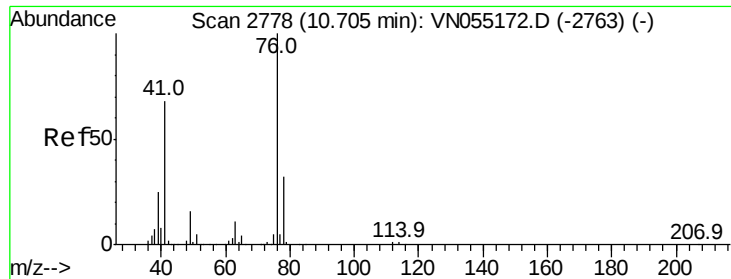
MMDadoda
 4/23/2019 1:46:41 PM



#56
 Ethyl methacrylate
 Concen: 54.365 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Tgt Ion:	69	Resp:	292537
Ion	Ratio	Lower	Upper
69	100		
41	75.7	60.6	90.8
39	39.6	31.7	47.5





#57

1,3-Dichloropropane

Concen: 51.270 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 385303

Ion Ratio Lower Upper

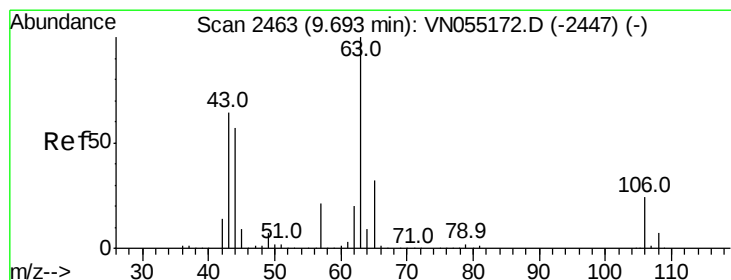
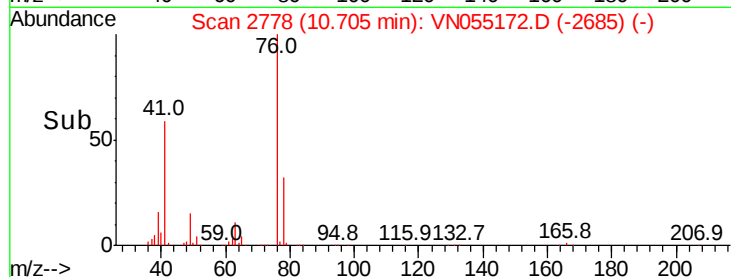
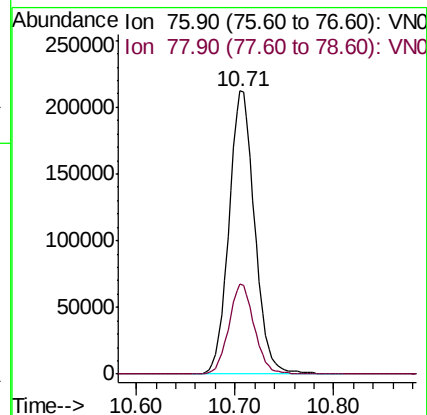
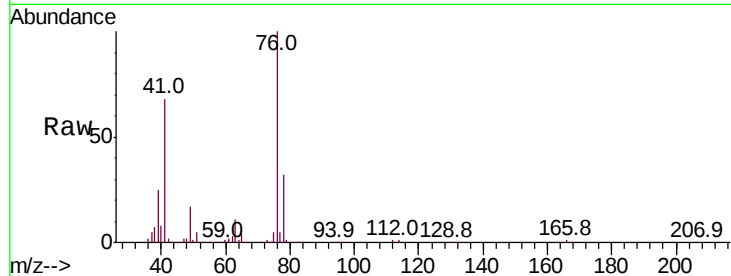
76 100

78 31.6 25.3 37.9

Manual Integrations
APPROVED

MMDadoda

4/23/2019 1:46:41 PM



#58

2-Chloroethyl Vinyl ether

Concen: 290.616 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055172.D

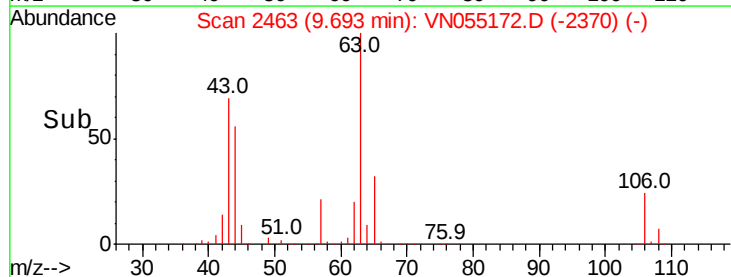
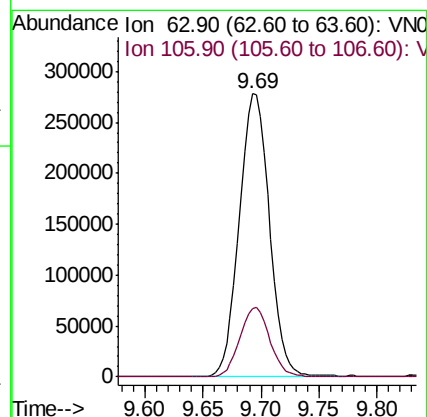
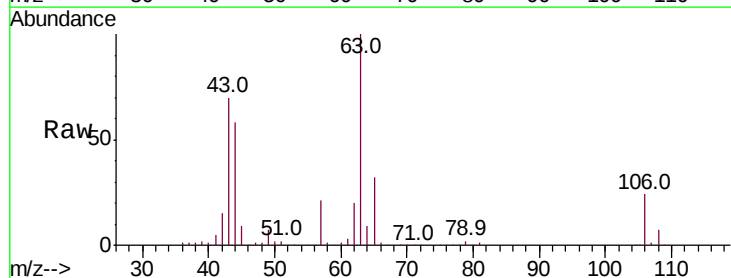
Acq: 22 Apr 2019 10:38

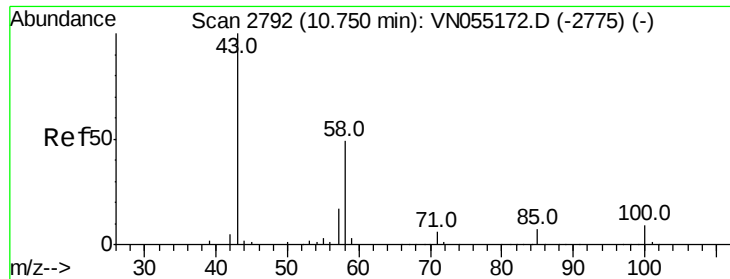
Tgt Ion: 63 Resp: 504185

Ion Ratio Lower Upper

63 100

106 24.2 19.4 29.0





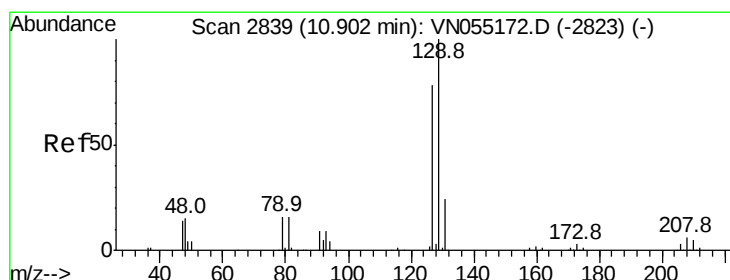
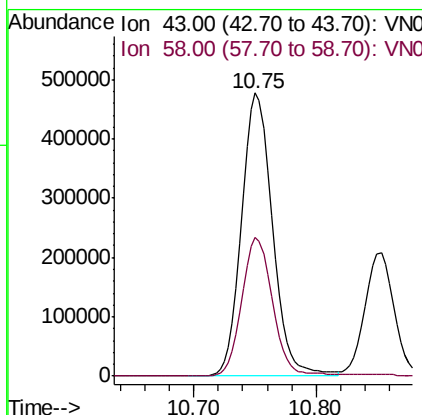
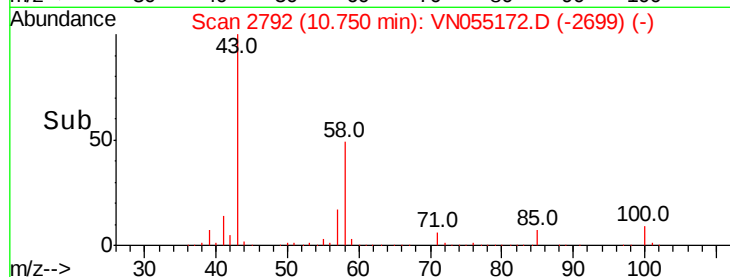
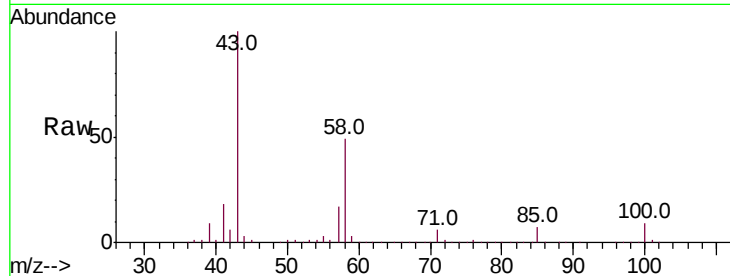
#59
2-Hexanone
Concen: 270.699 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 832484
Ion Ratio Lower Upper
43 100
58 49.0 24.5 73.5

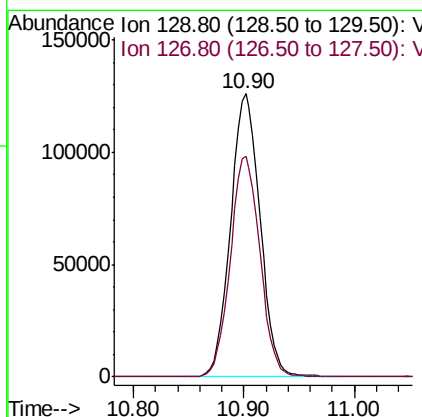
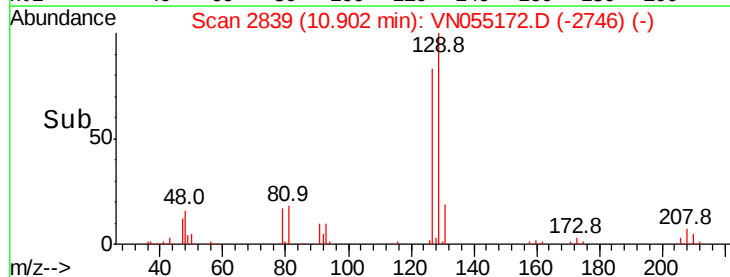
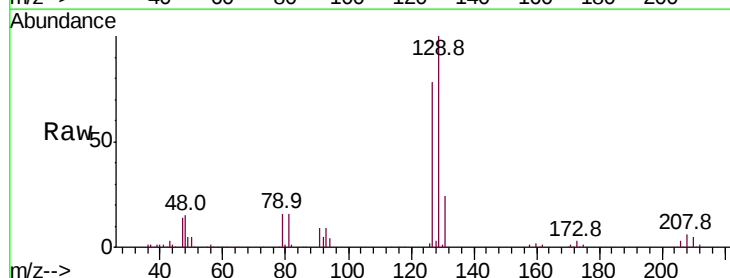
Manual Integrations
APPROVED

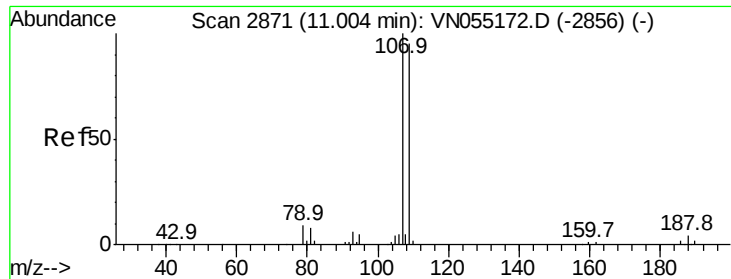
MMDadoda
4/23/2019 1:46:41 PM



#60
Dibromochloromethane
Concen: 52.577 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Tgt Ion: 129 Resp: 233923
Ion Ratio Lower Upper
129 100
127 78.0 39.0 117.0





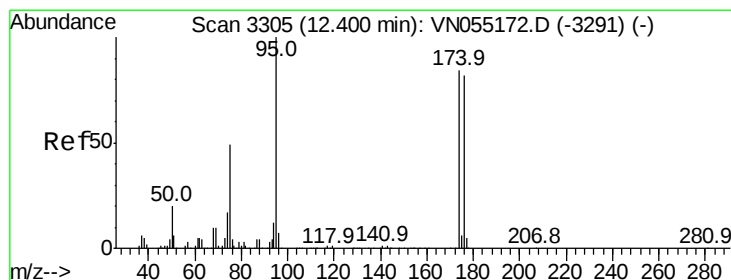
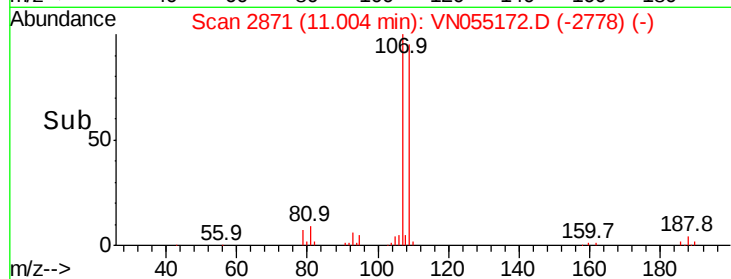
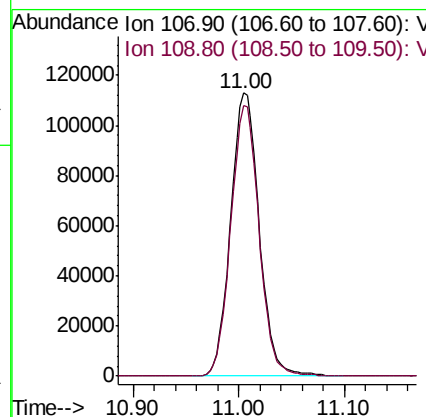
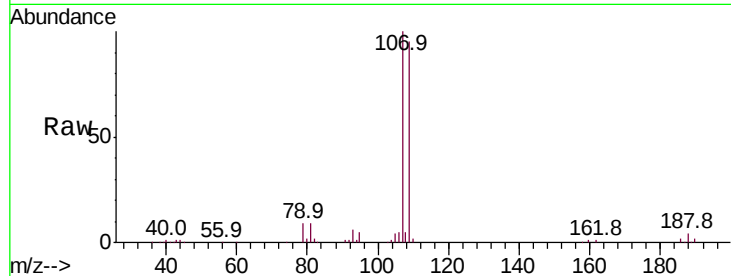
#61
 1,2-Dibromoethane
 Concen: 52.107 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	211618		
109	94.7	75.8	113.6	

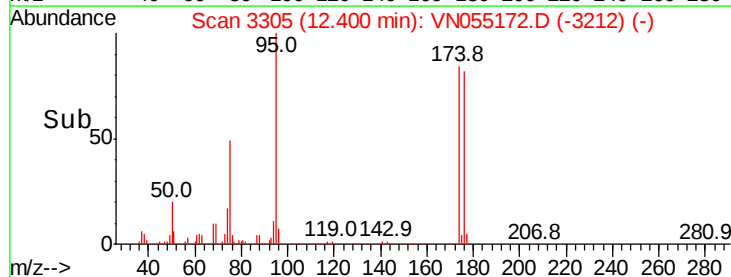
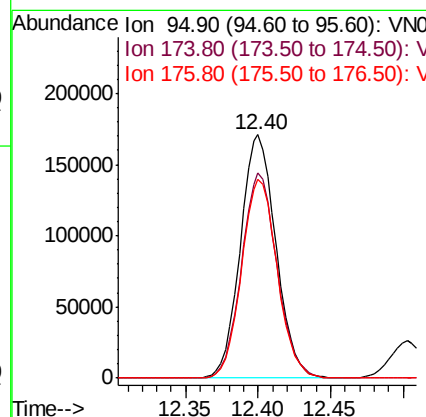
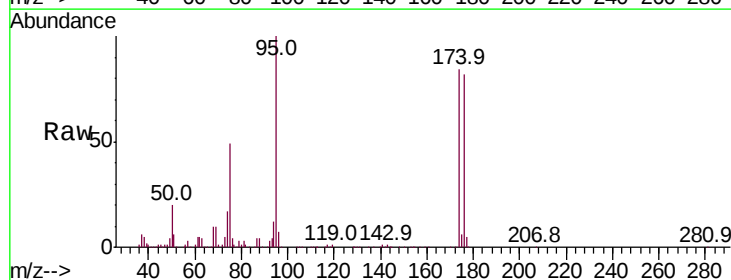
Manual Integrations
 APPROVED

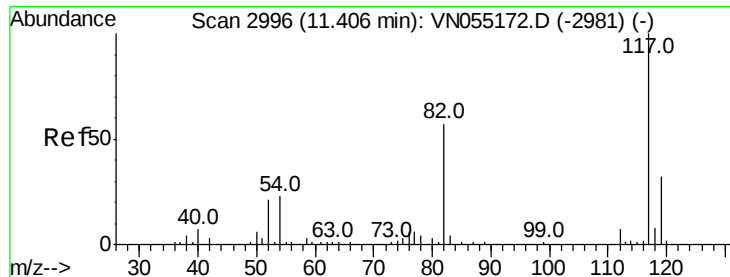
MMDadoda
 4/23/2019 1:46:41 PM



#62
 4-Bromofluorobenzene
 Concen: 50.937 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	290859		
174	84.2	0.0	168.4	
176	82.0	0.0	164.0	





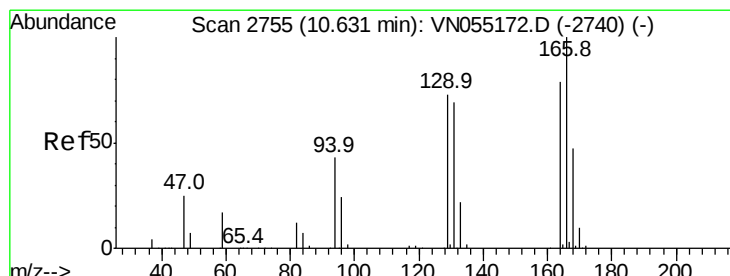
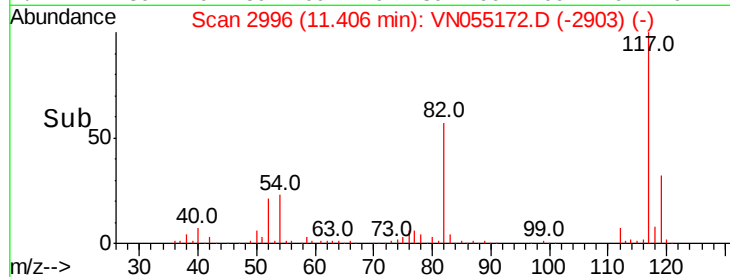
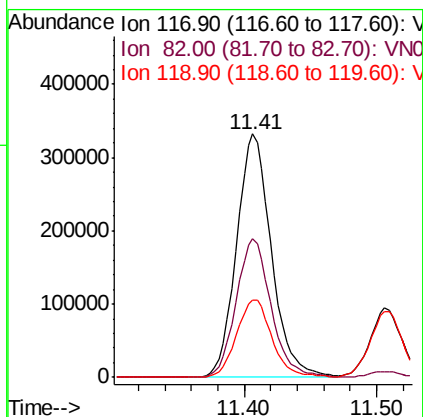
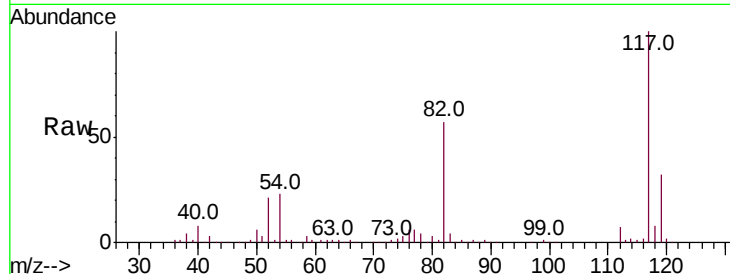
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.7	68.5
119	31.8	25.4	38.2

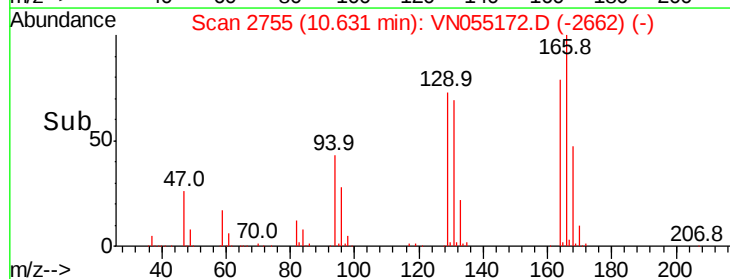
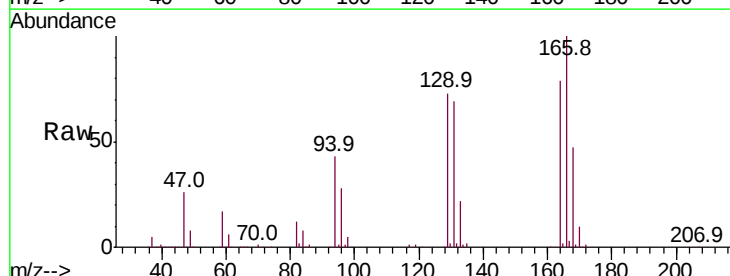
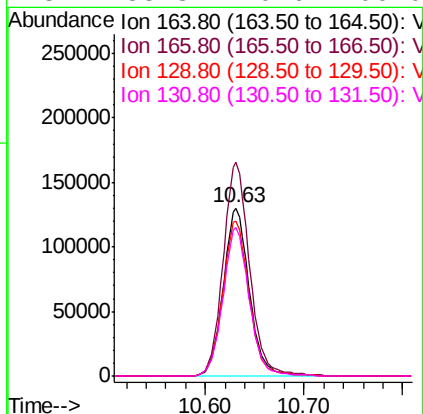
Manual Integrations
APPROVED

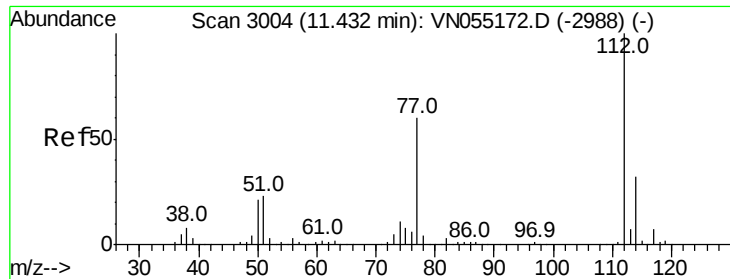
MMDadoda
4/23/2019 1:46:41 PM



#64
Tetrachloroethene
Concen: 48.650 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.9	152.9
129	92.6	74.1	111.1
131	88.3	70.6	106.0





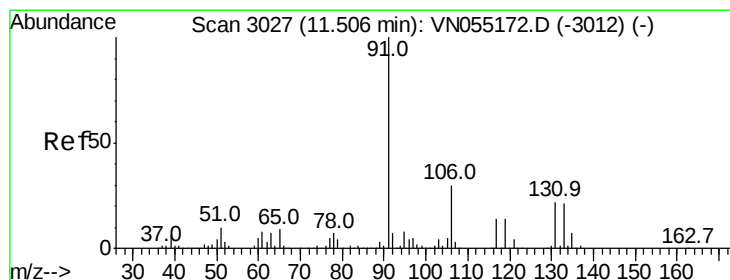
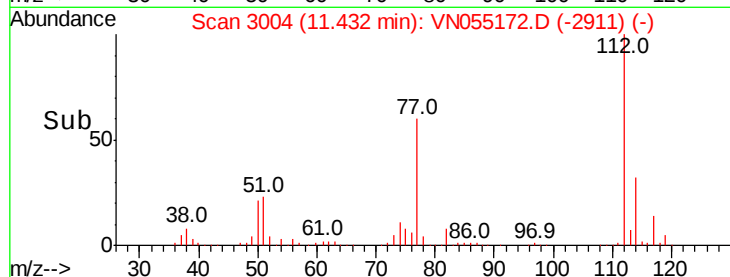
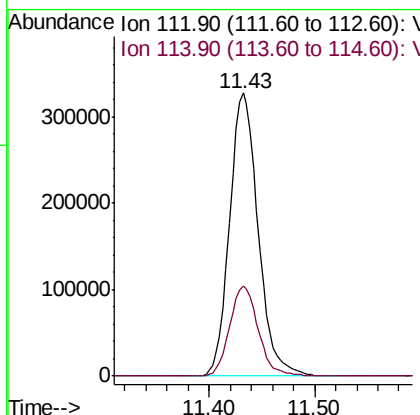
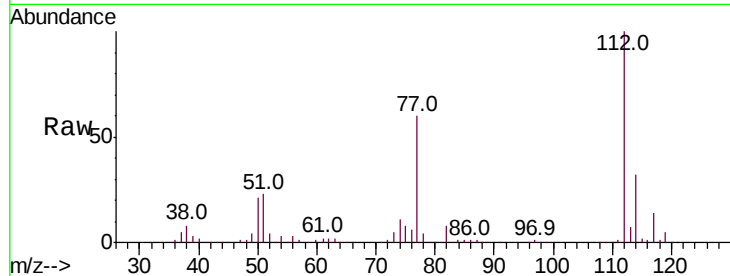
#65
Chlorobenzene
Concen: 49.513 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 612679
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0

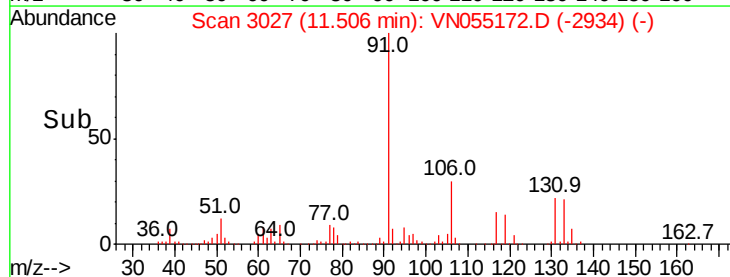
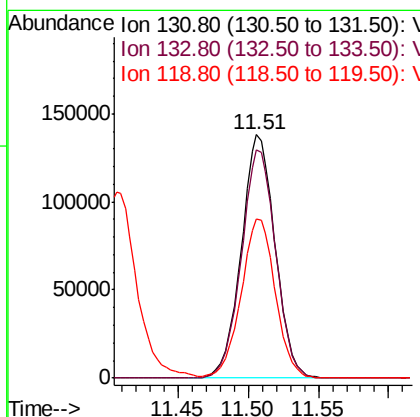
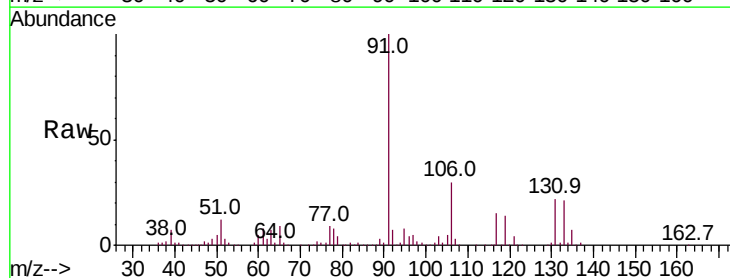
Manual Integrations
APPROVED

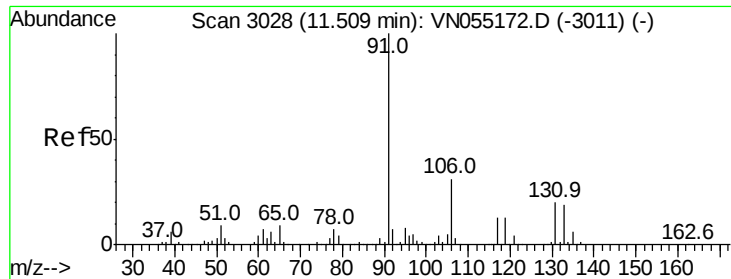
MMDadoda
4/23/2019 1:46:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.451 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Tgt Ion:131 Resp: 231378
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 66.4 33.2 99.6





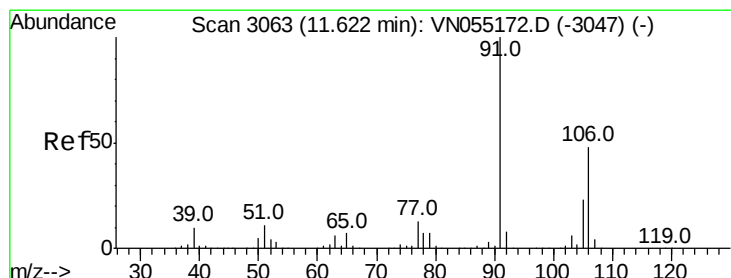
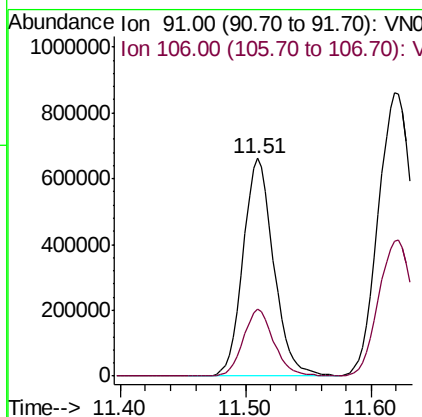
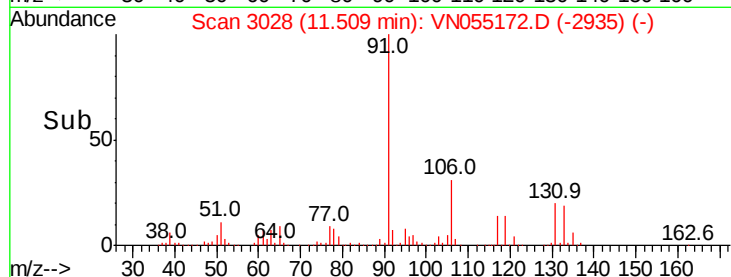
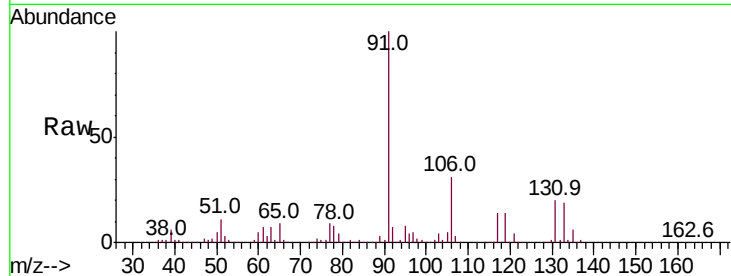
#67
Ethyl Benzene
Concen: 51.094 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1126213
Ion Ratio Lower Upper
91 100
106 30.6 24.5 36.7

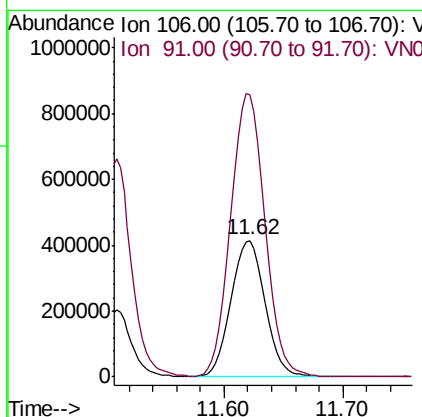
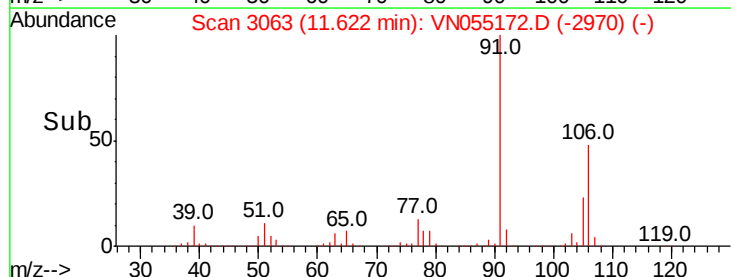
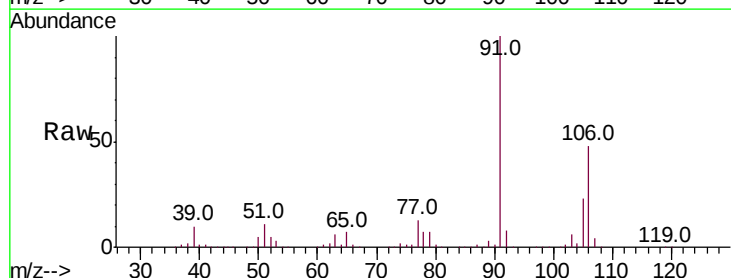
Manual Integrations
APPROVED

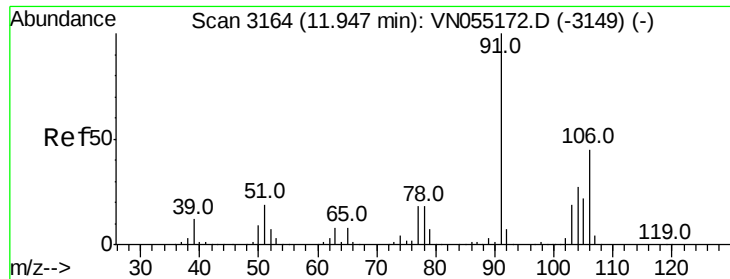
MMDadoda
4/23/2019 1:46:41 PM



#68
m/p-Xylenes
Concen: 104.174 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Tgt Ion: 106 Resp: 823562
Ion Ratio Lower Upper
106 100
91 208.9 167.1 250.7





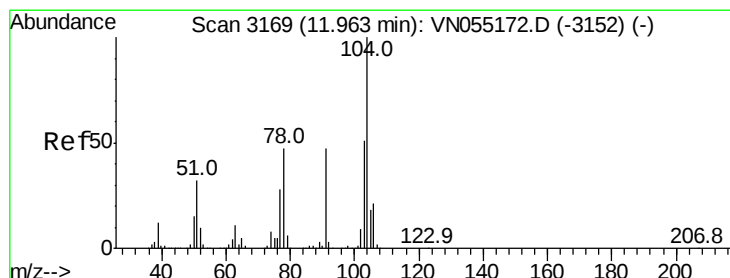
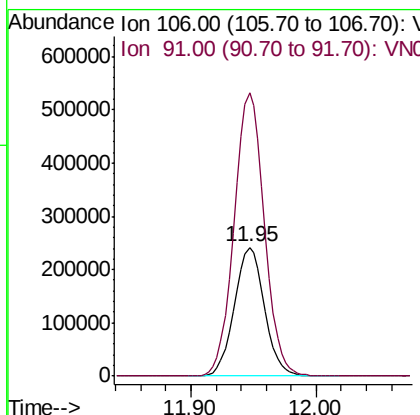
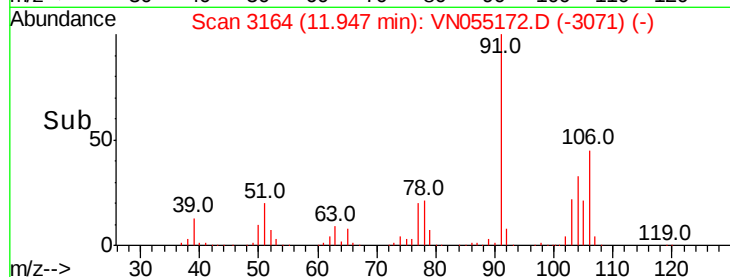
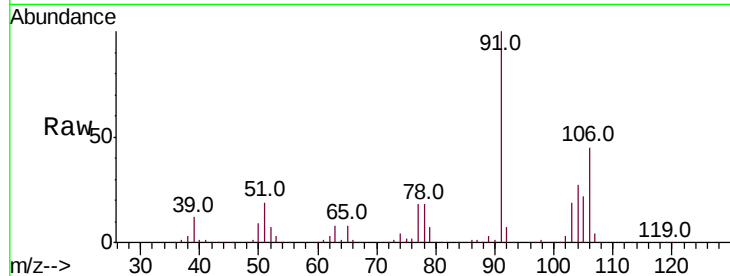
#69
o-Xylene
Concen: 51.207 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 401746
Ion Ratio Lower Upper
106 100
91 221.2 110.6 331.8

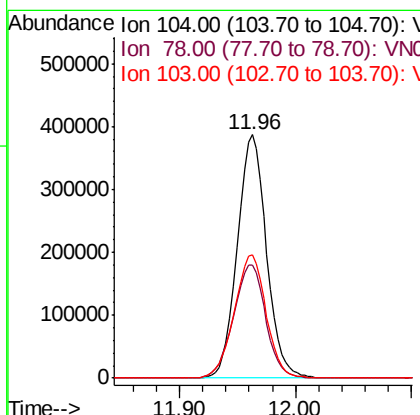
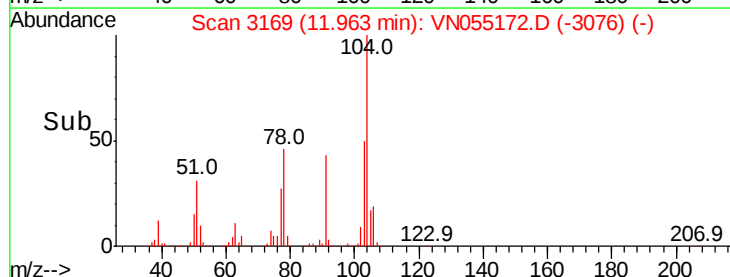
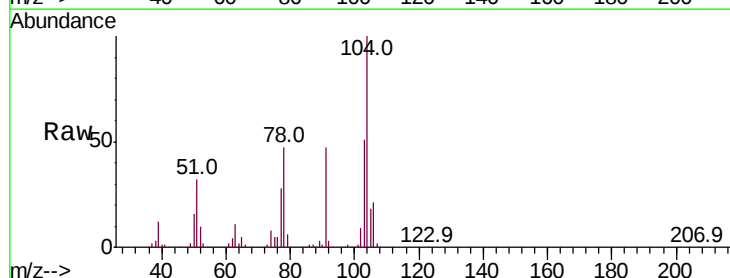
Manual Integrations
APPROVED

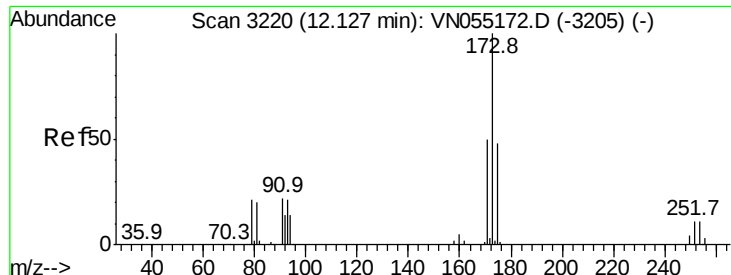
MMDadoda
4/23/2019 1:46:41 PM



#70
Styrene
Concen: 55.306 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Tgt Ion:104 Resp: 672584
Ion Ratio Lower Upper
104 100
78 51.6 41.3 61.9
103 55.3 44.2 66.4





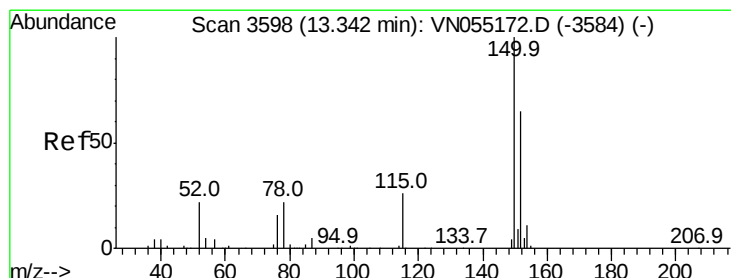
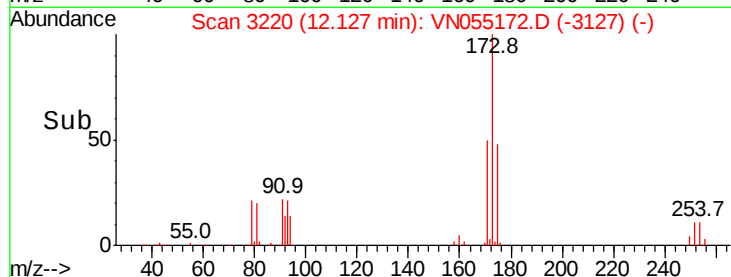
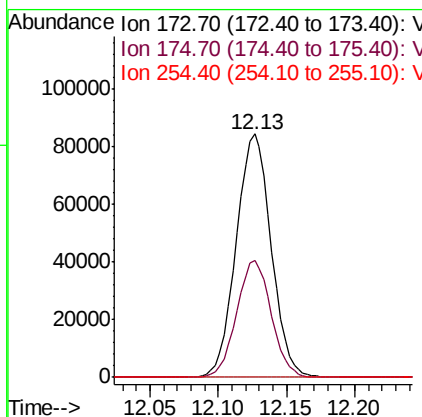
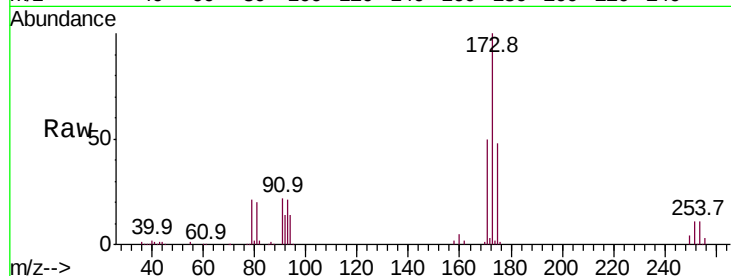
#71
Bromoform
Concen: 54.755 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.8	71.2
254	0.1	0.1	0.1

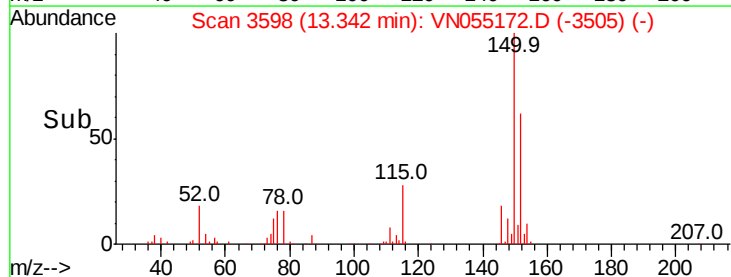
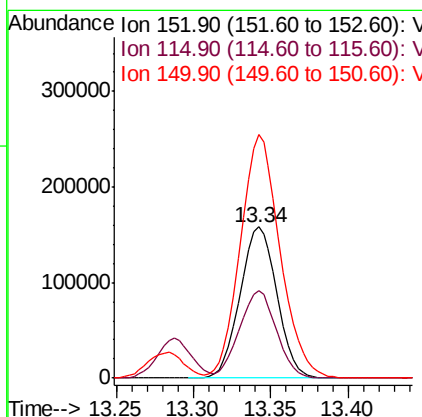
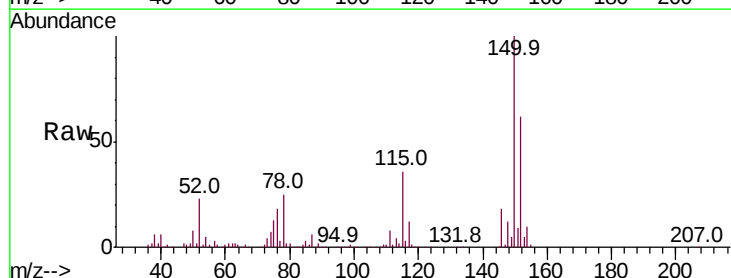
Manual Integrations
APPROVED

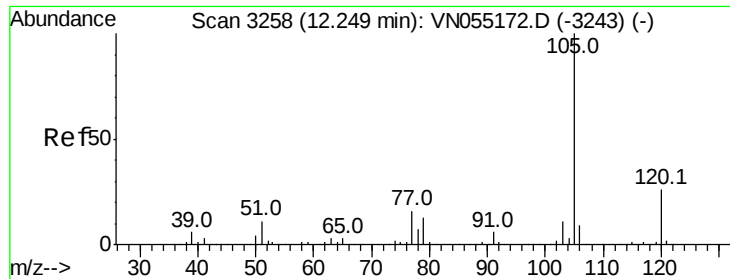
MMDadoda
4/23/2019 1:46:41 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055172.D
Acq: 22 Apr 2019 10:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	173.3	0.0	346.6





#73

Isopropylbenzene

Concen: 42.251 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1062979

Ion Ratio Lower Upper

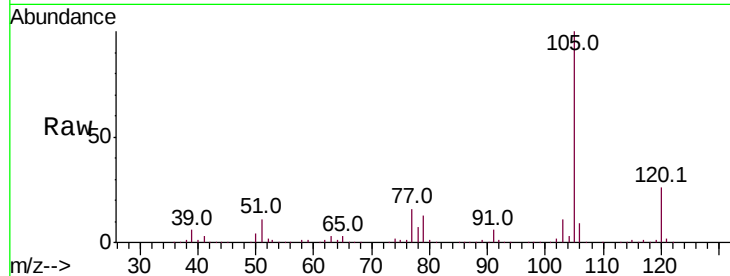
105 100

120 26.1 13.1 39.1

Manual Integrations
APPROVED

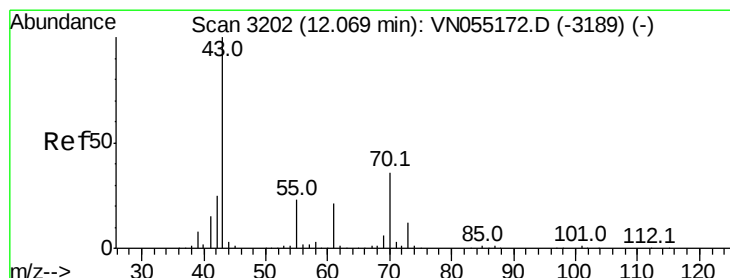
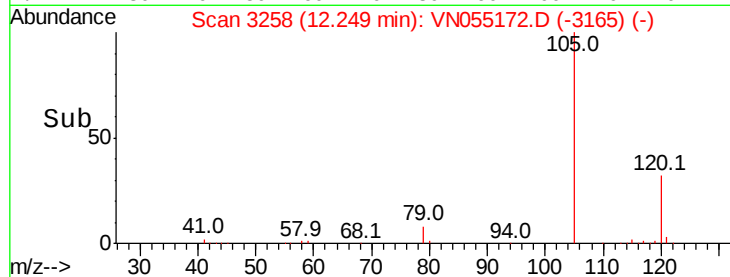
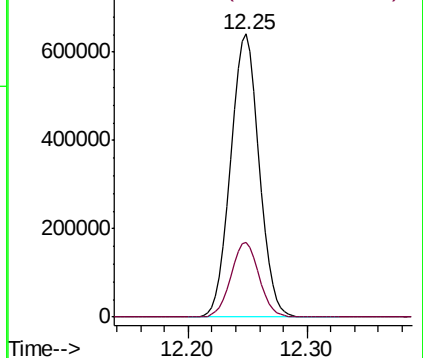
MMDadoda

4/23/2019 1:46:41 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.197 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Tgt Ion: 43 Resp: 339165

Ion Ratio Lower Upper

43 100

70 36.3 29.0 43.6

55 23.1 18.5 27.7

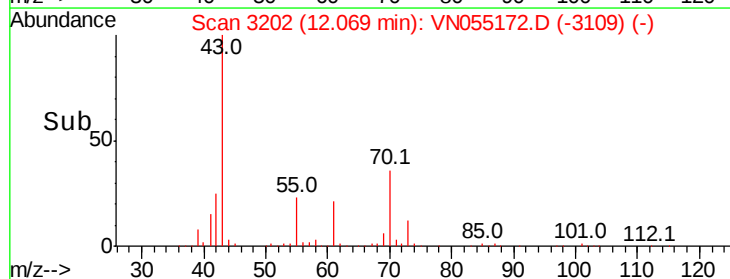
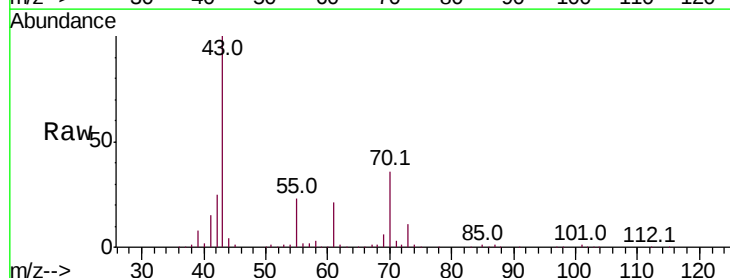
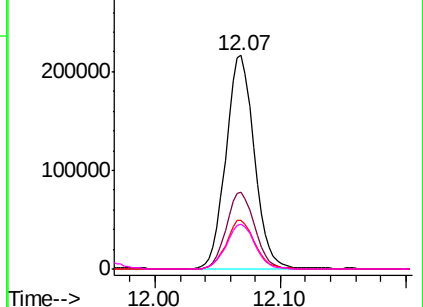
61 21.2 17.0 25.4

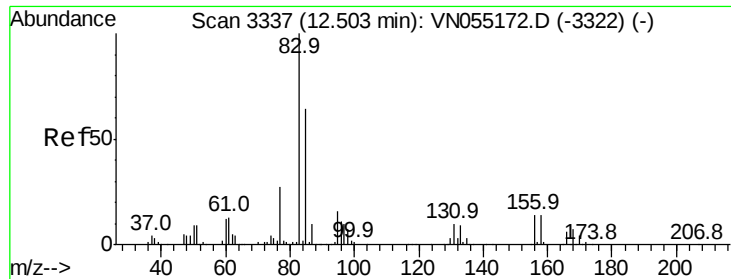
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 40.597 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 270287

Ion Ratio Lower Upper

83 100

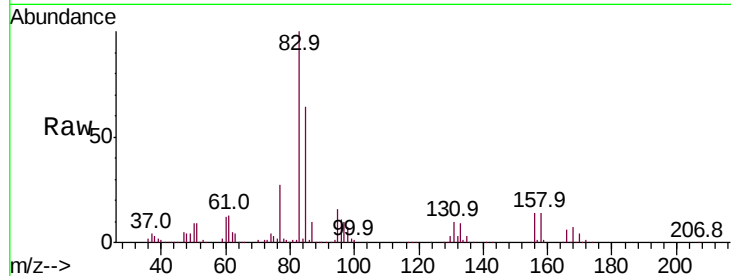
131 10.0 5.0 15.0

85 64.2 32.1 96.3

Manual Integrations
APPROVED

MMDadoda

4/23/2019 1:46:41 PM



Abundance Ion 82.90 (82.60 to 83.60): VN055172.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN055172.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN055172.D (-3322) (-)

12.50

200000

150000

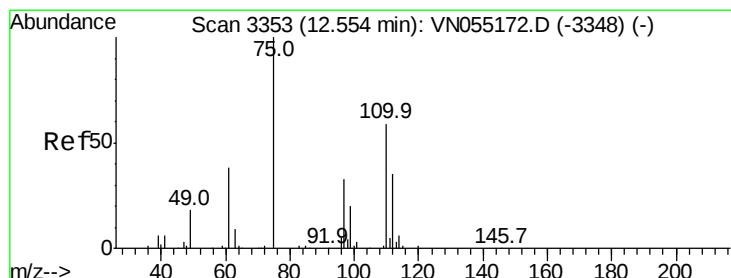
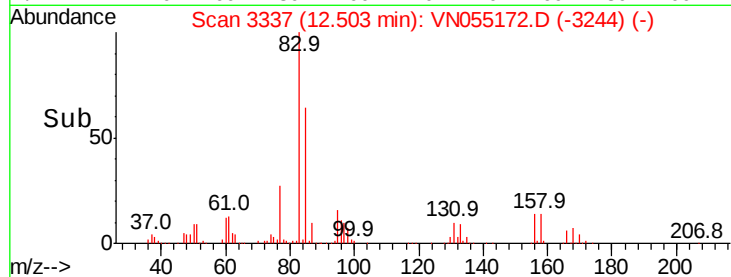
100000

50000

0

Time-->

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 47.694 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055172.D

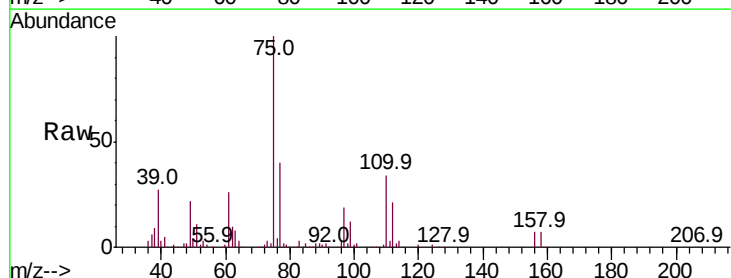
Acq: 22 Apr 2019 10:38

Tgt Ion: 75 Resp: 234243

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055172.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055172.D (-3348) (-)

300000

250000

200000

150000

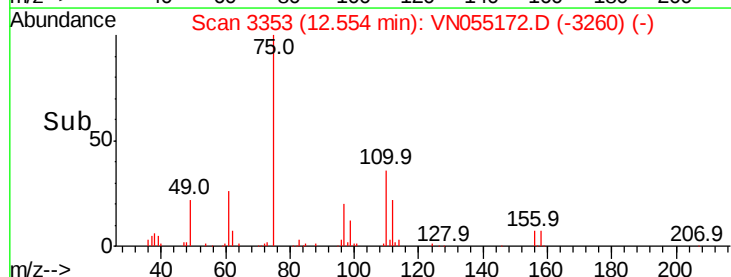
100000

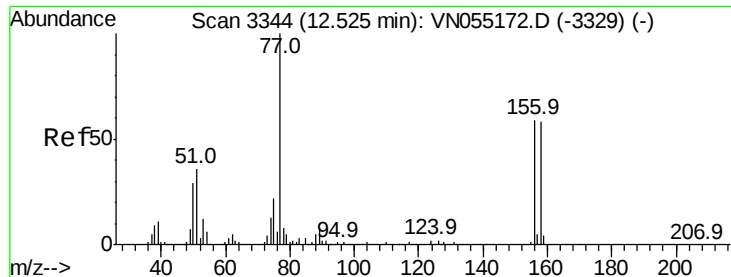
50000

0

Time-->

12.55





#77

Bromobenzene

Concen: 45.000 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

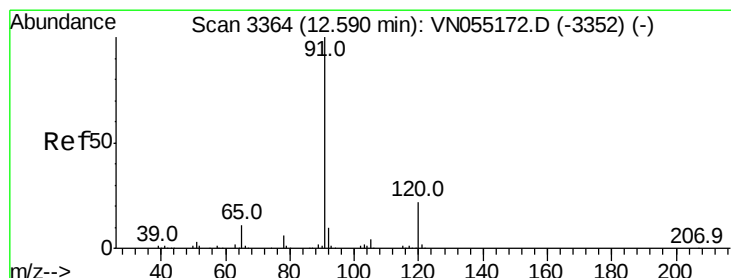
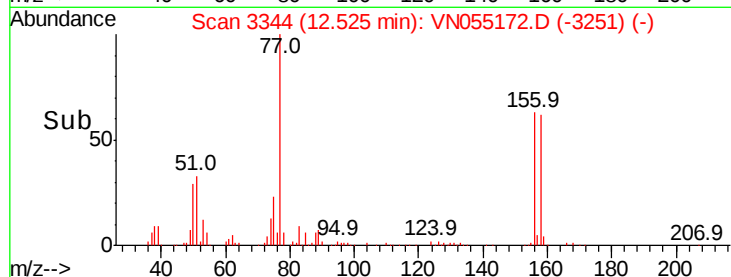
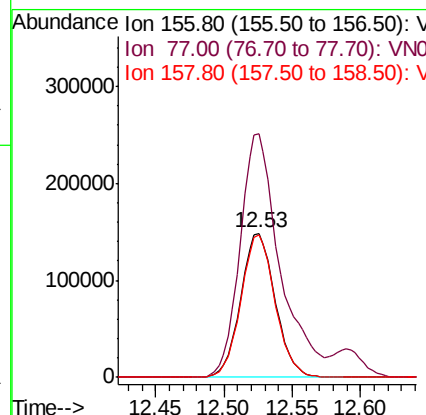
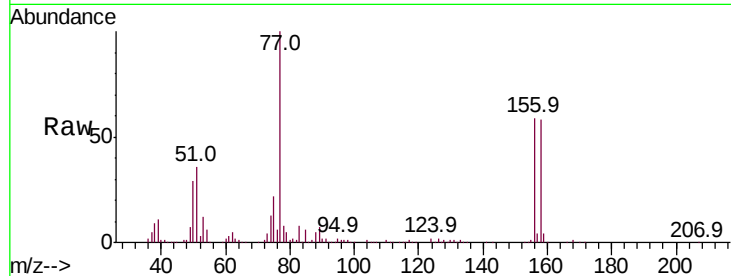
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	260350
Ion Ratio	Lower	Upper	
156	100		
77	195.9	98.0	293.9
158	97.9	48.9	146.8

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:46:41 PM



#78

n-propylbenzene

Concen: 45.606 ug/l

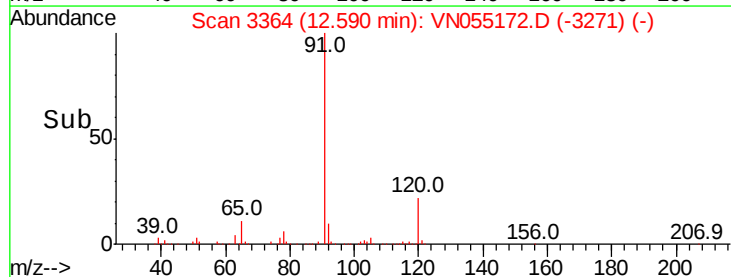
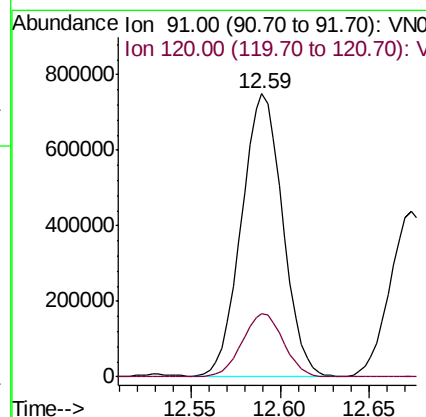
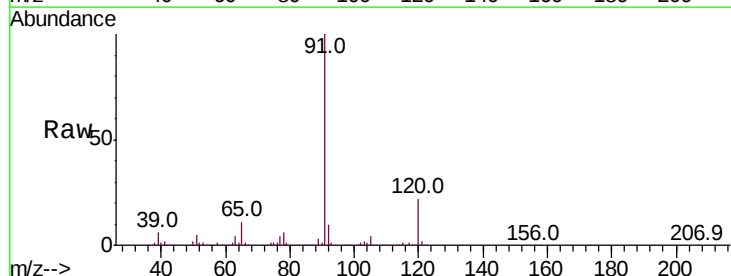
RT: 12.59 min Scan# 3364

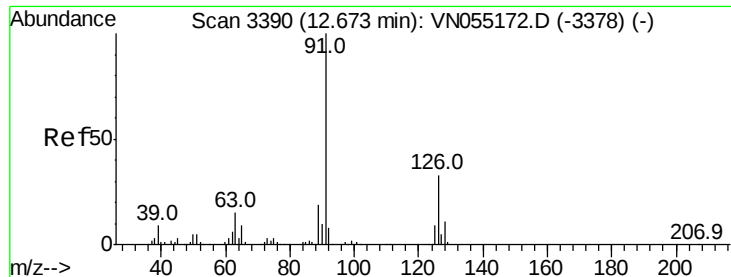
Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Tgt Ion:	91	Resp:	1198604
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.3	33.9





#79

2-Chlorotoluene

Concen: 43.955 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 729466

Ion Ratio Lower Upper

91 100

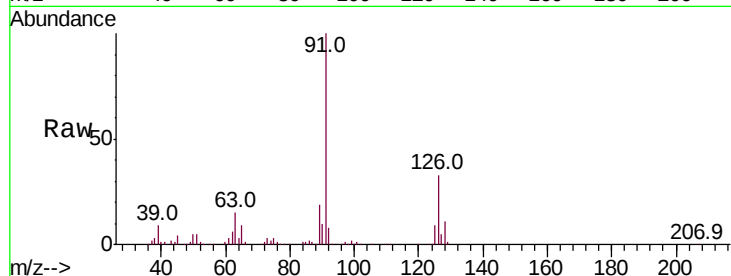
126 33.5 16.8 50.3

Manual Integrations

APPROVED

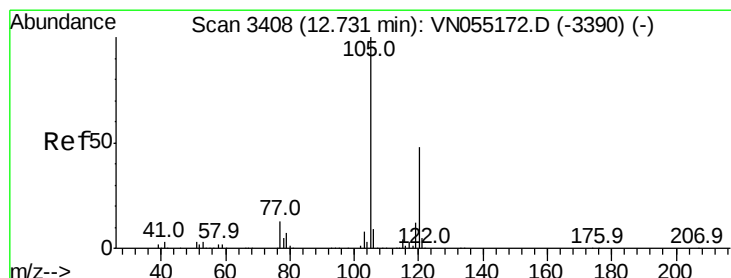
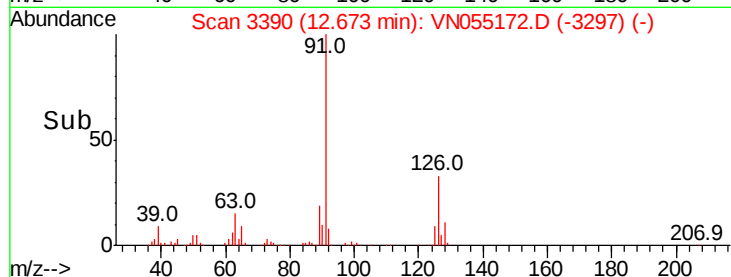
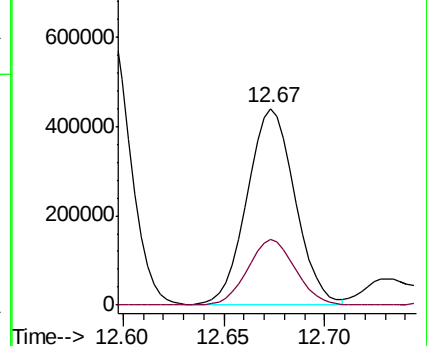
MMDadoda

4/23/2019 1:46:41 PM



Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055172.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.432 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055172.D

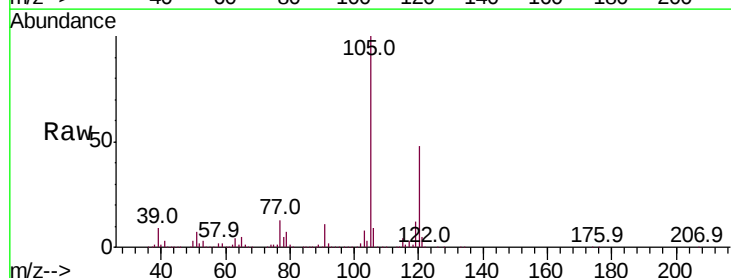
Acq: 22 Apr 2019 10:38

Tgt Ion: 105 Resp: 891306

Ion Ratio Lower Upper

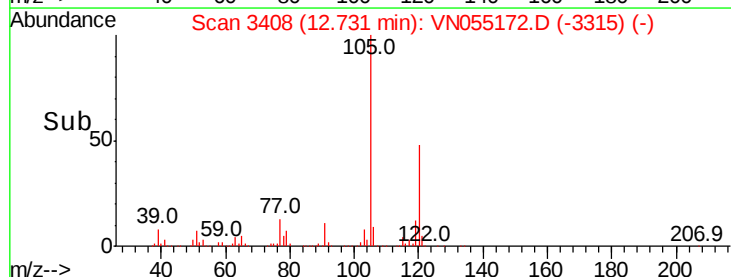
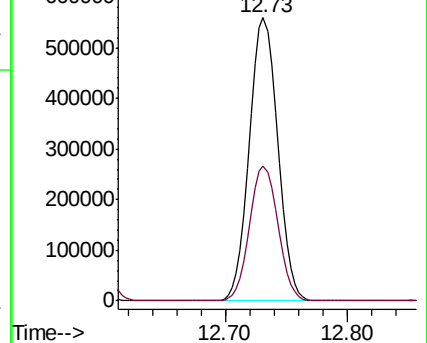
105 100

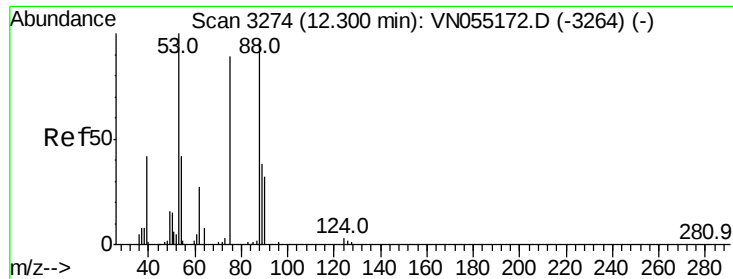
120 47.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN055172.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055172.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.023 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

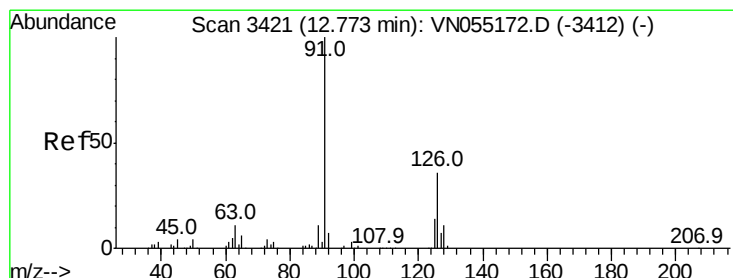
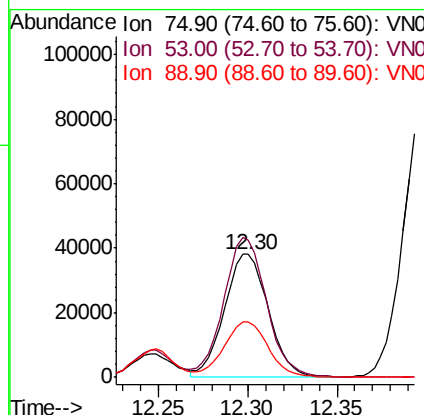
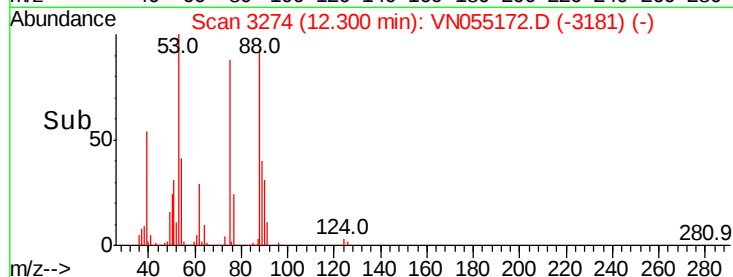
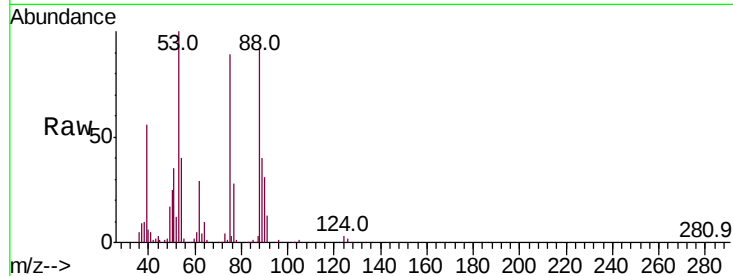
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	64547
Ion	Ratio	Lower	Upper
75	100		
53	112.6	90.1	135.1
89	45.9	36.7	55.1

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:46:41 PM



#82

4-Chlorotoluene

Concen: 46.851 ug/l

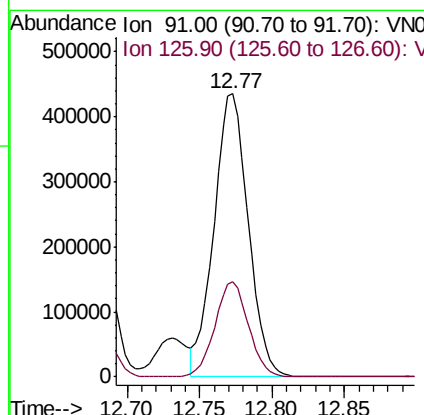
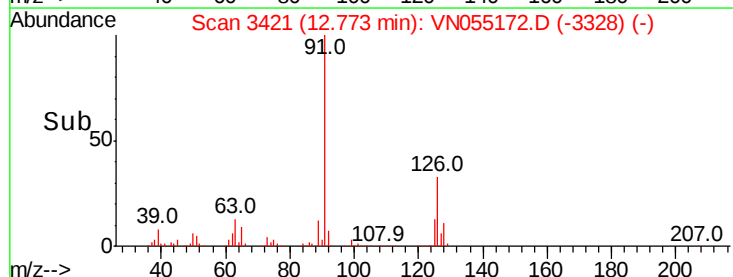
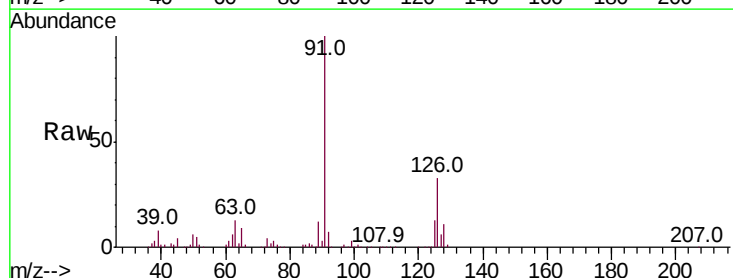
RT: 12.77 min Scan# 3421

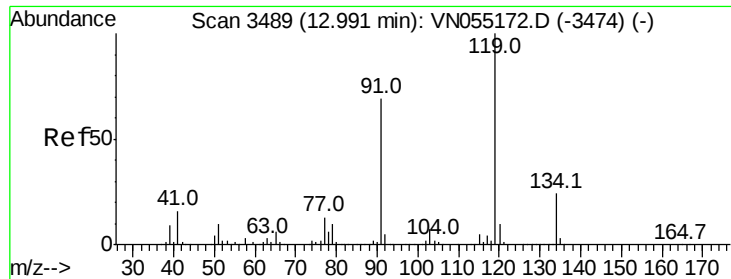
Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Tgt Ion:	91	Resp:	715362
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.5	49.5





#83

tert-Butylbenzene

Concen: 42.489 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055172.D

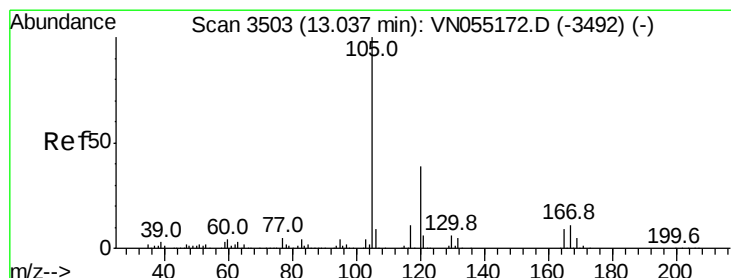
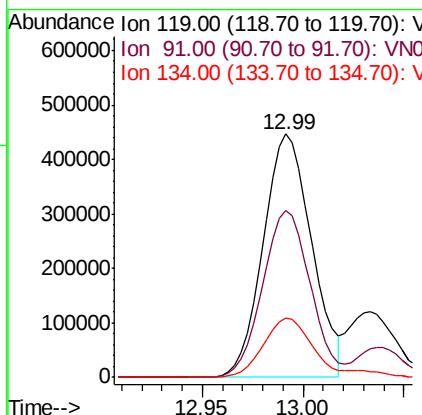
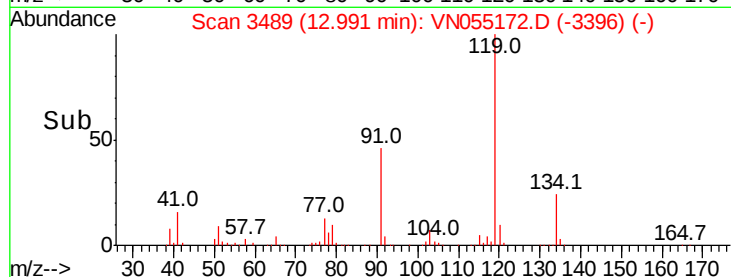
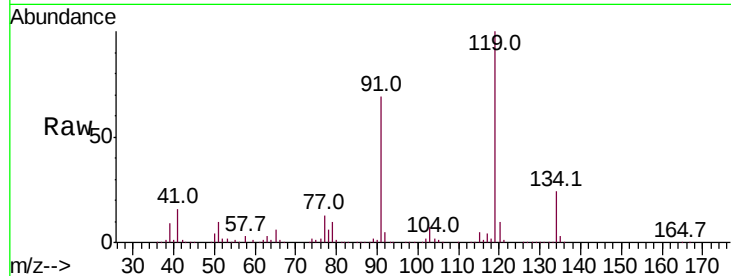
Acq: 22 Apr 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	745711		
91	67.5	33.8	101.3	
134	26.3	13.2	39.5	

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:46:41 PM



#84

1,2,4-Trimethylbenzene

Concen: 46.999 ug/l

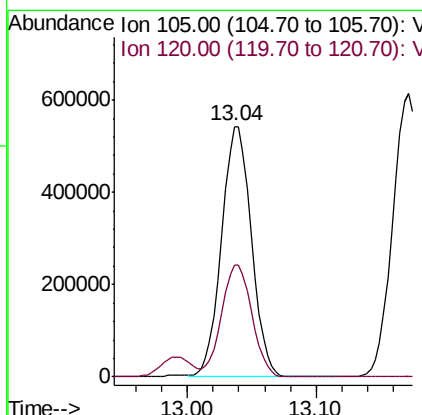
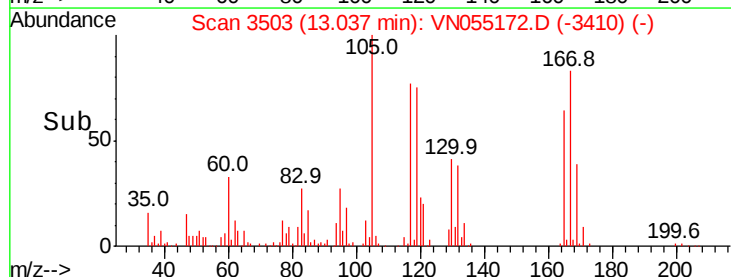
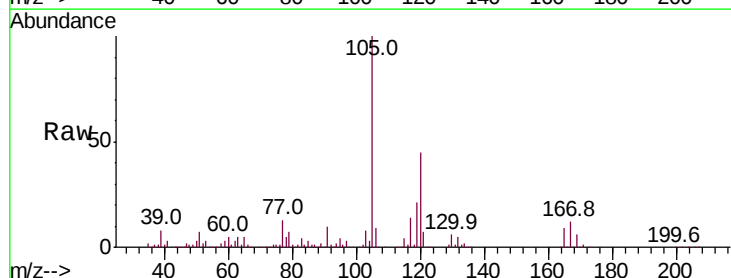
RT: 13.04 min Scan# 3503

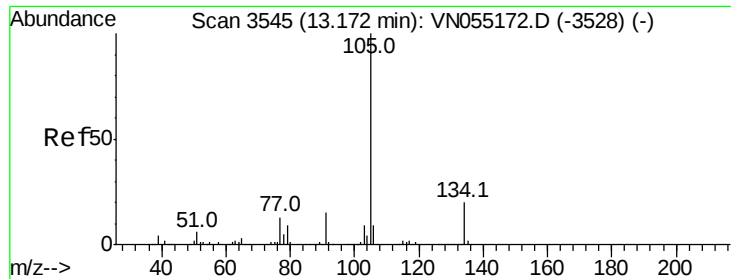
Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	870109		
120	45.4	22.7	68.1	





#85

sec-Butylbenzene

Concen: 44.023 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 977067

Ion Ratio Lower Upper

105 100

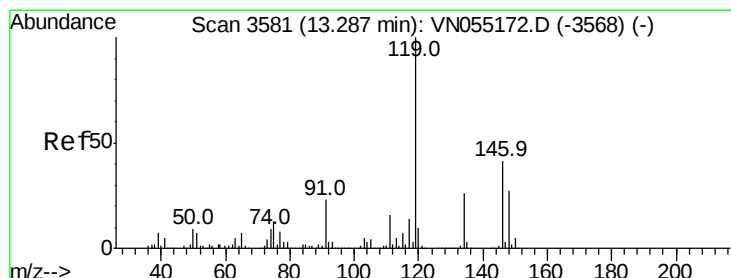
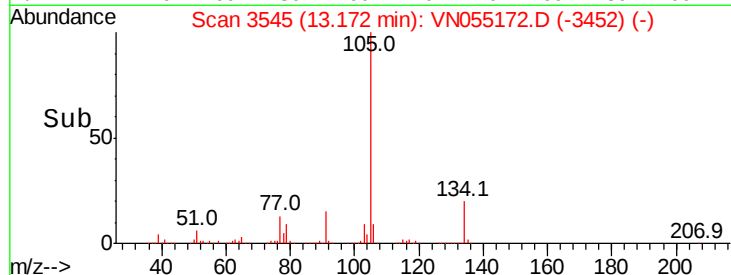
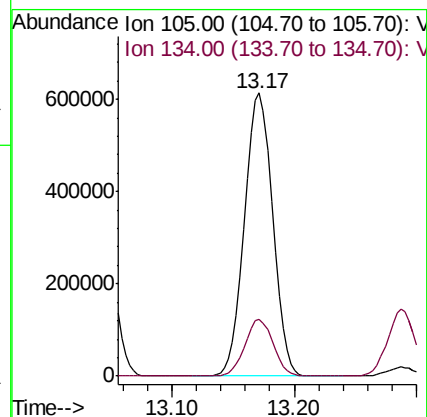
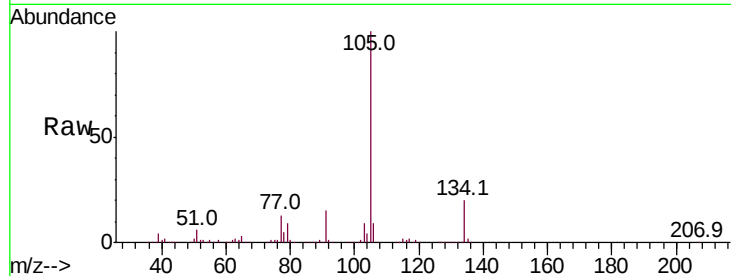
134 20.0 10.0 30.0

Manual Integrations

APPROVED

MMDadoda

4/23/2019 1:46:41 PM



#86

p-Isopropyltoluene

Concen: 46.916 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

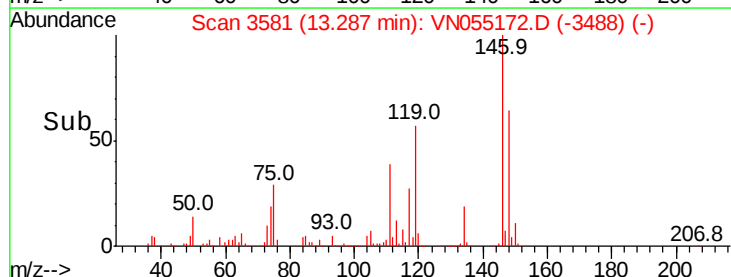
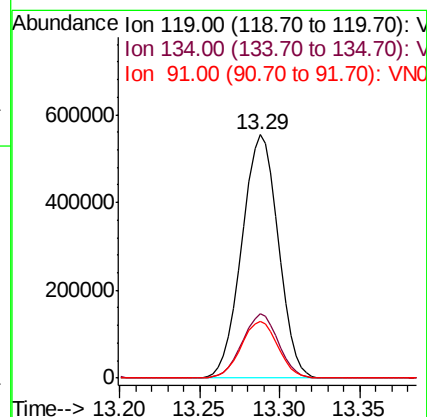
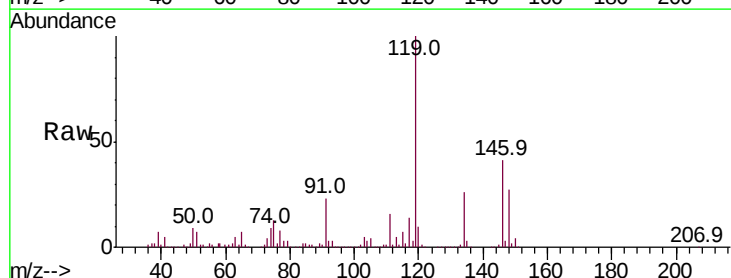
Tgt Ion:119 Resp: 857864

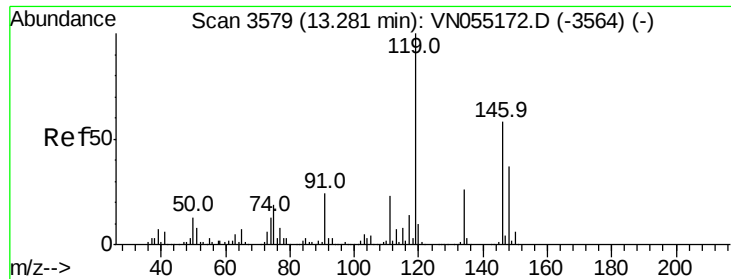
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 23.5 11.8 35.3





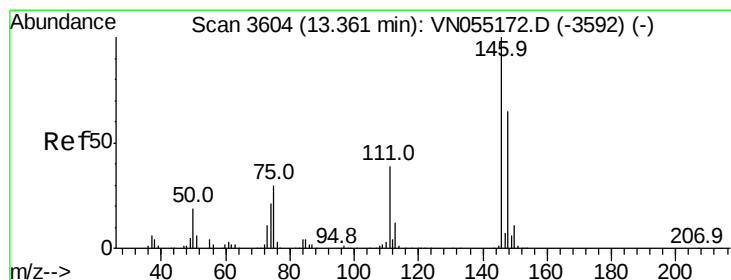
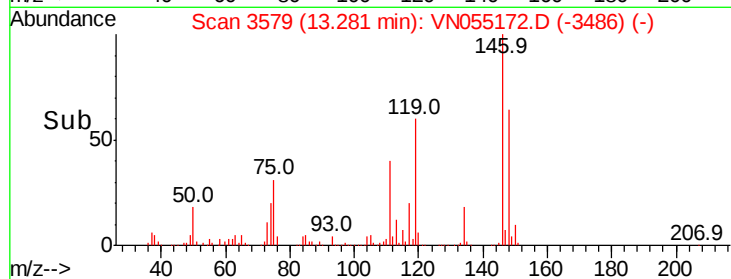
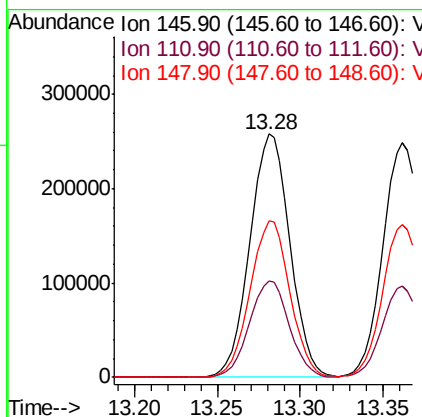
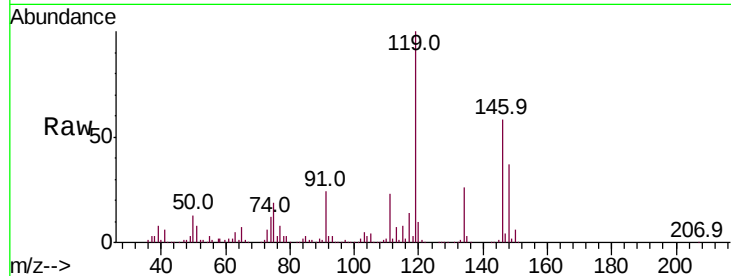
#87
 1,3-Dichlorobenzene
 Concen: 48.858 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	64.0	32.0	96.0

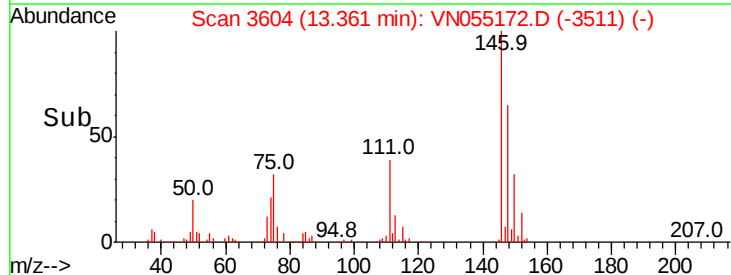
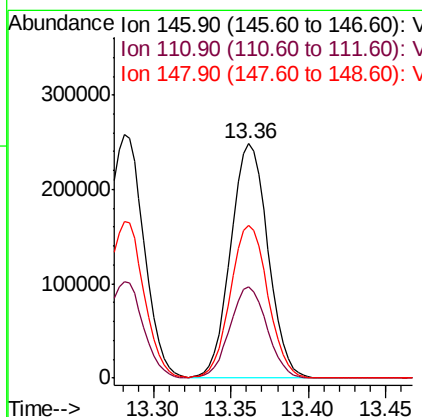
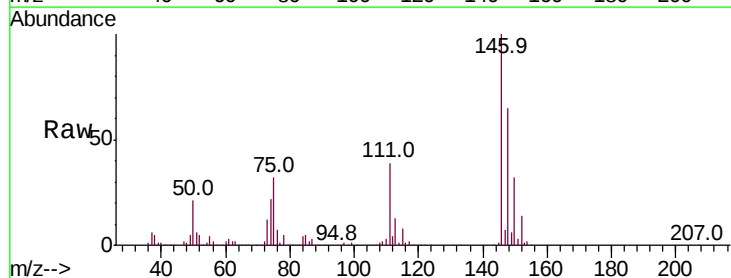
Manual Integrations
 APPROVED

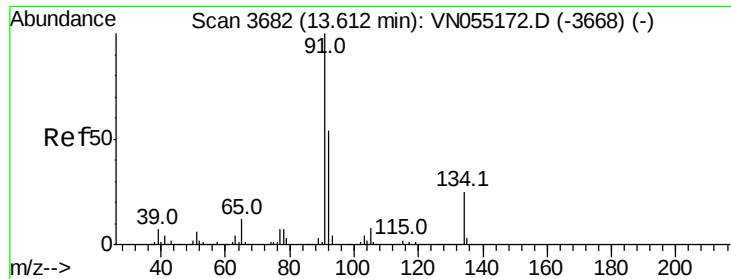
MMDadoda
 4/23/2019 1:46:41 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.952 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	65.7	32.9	98.6





#89

n-Butylbenzene

Concen: 51.219 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

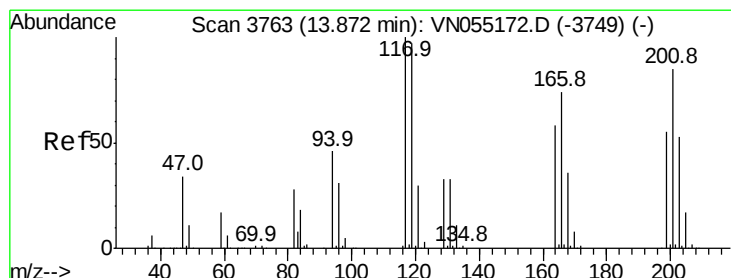
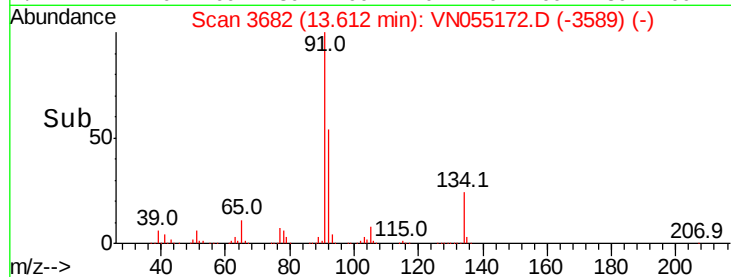
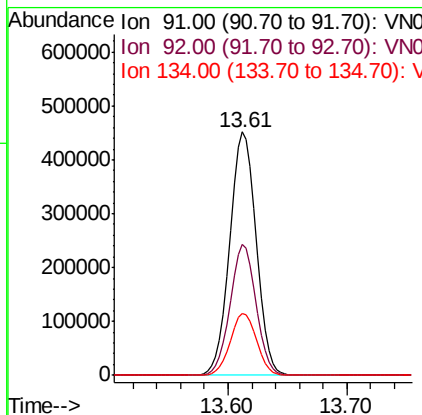
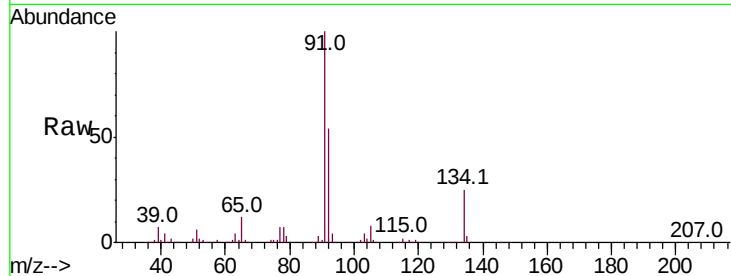
ClientSampleId :

VSTDICCC050

Tot Ion:	91	Resp:	694190
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.6	12.8	38.4

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:46:41 PM



#90

Hexachloroethane

Concen: 43.875 ug/l

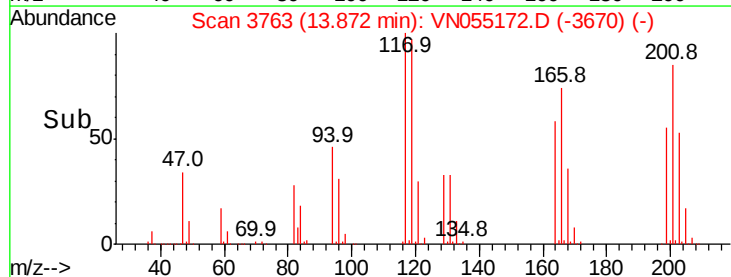
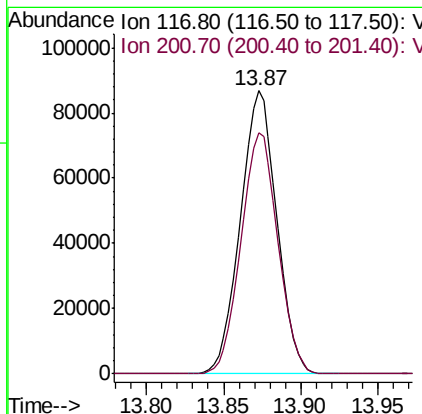
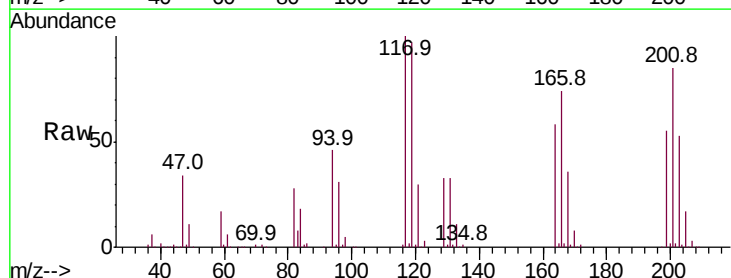
RT: 13.87 min Scan# 3763

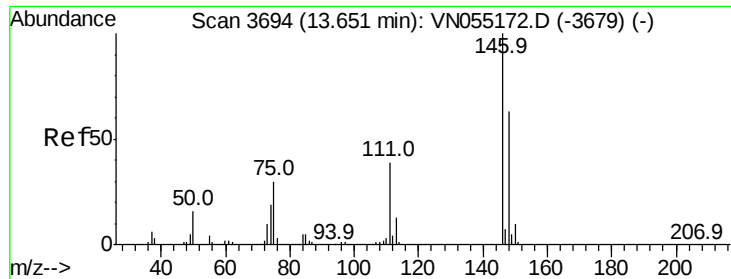
Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Tgt Ion:	117	Resp:	142283
Ion	Ratio	Lower	Upper
117	100		
201	86.3	43.1	129.4





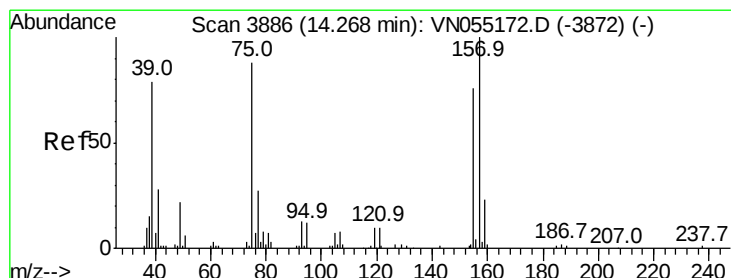
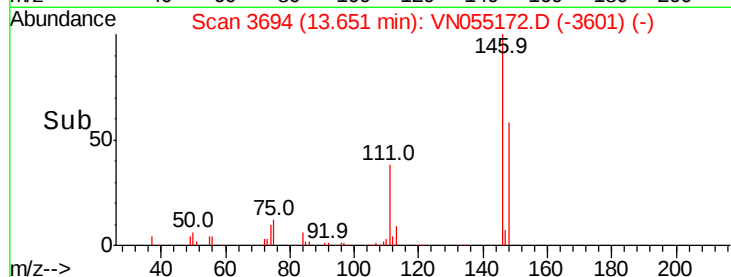
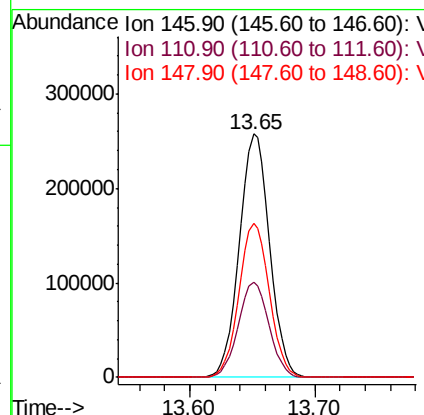
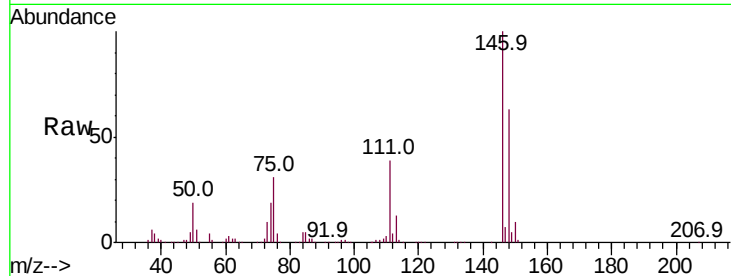
#91
 1,2-Dichlorobenzene
 Concen: 47.292 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	63.4	31.7	95.1

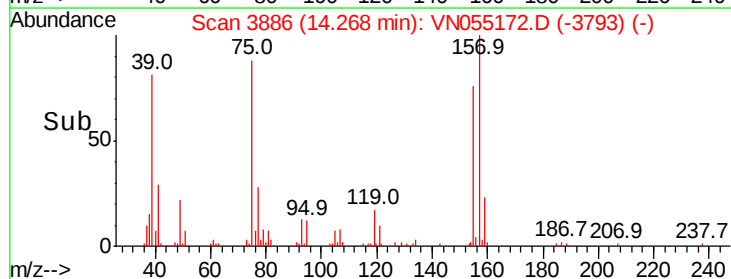
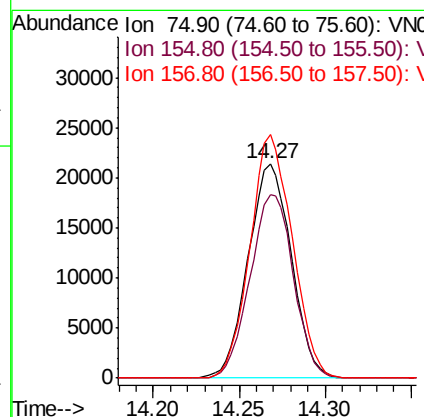
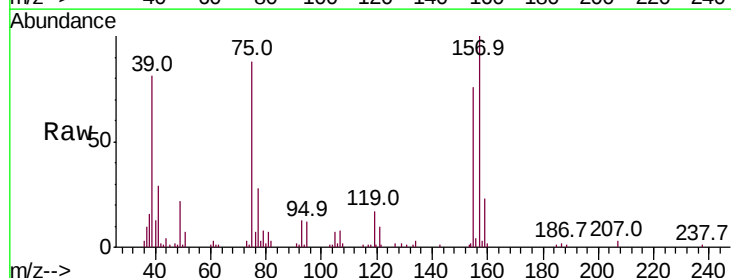
Manual Integrations
 APPROVED

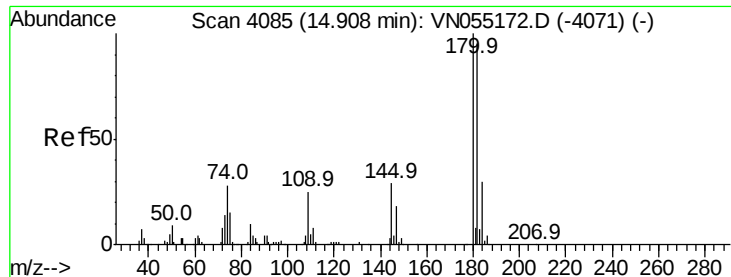
MMDadoda
 4/23/2019 1:46:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.742 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055172.D
 Acq: 22 Apr 2019 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	43.0	129.0
157	111.4	55.7	167.1





#93

1,2,4-Trichlorobenzene

Concen: 56.593 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

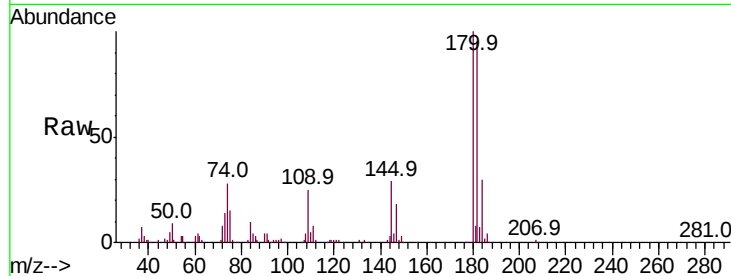
ClientSampled :

VSTDICCC050

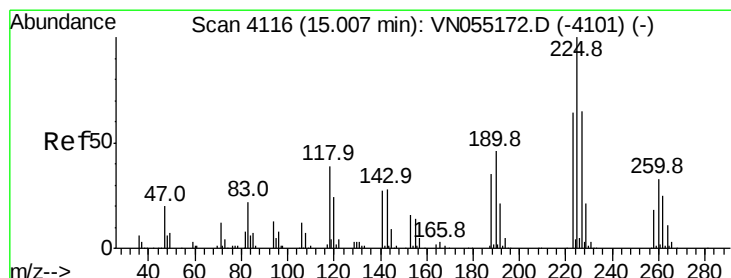
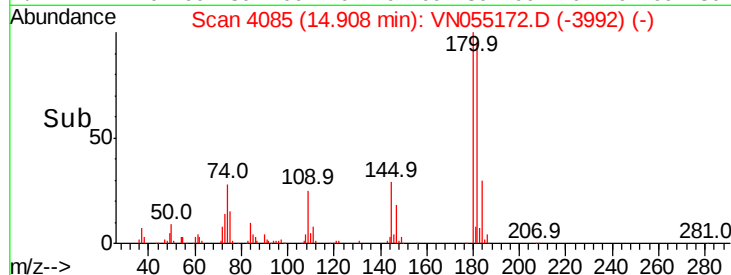
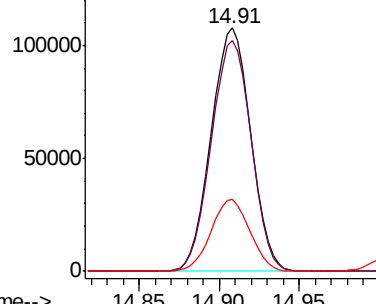
Tot Ion:	180	Resp:	182255
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.8	143.4
145	29.0	14.5	43.5

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:46:41 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: 42.196 ug/l

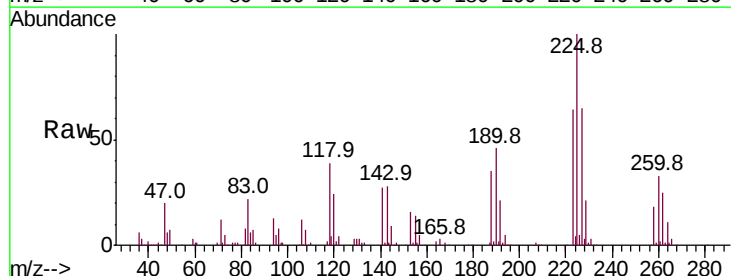
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

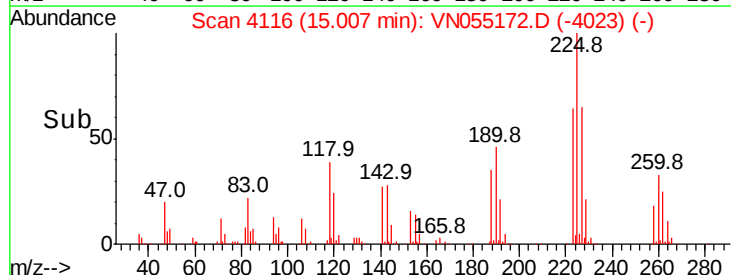
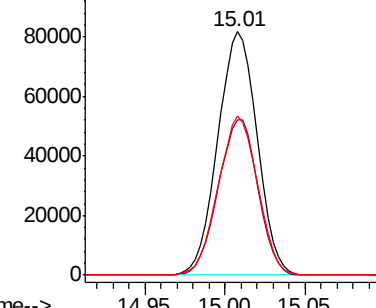
Lab File: VN055172.D

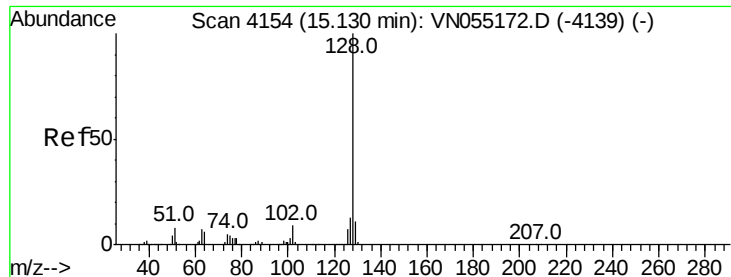
Acq: 22 Apr 2019 10:38

Tgt Ion:	225	Resp:	137763
Ion Ratio	Lower	Upper	
225	100		
223	64.4	32.2	96.6
227	65.3	32.6	98.0



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: 56.499 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Instrument :

MSVOA_N

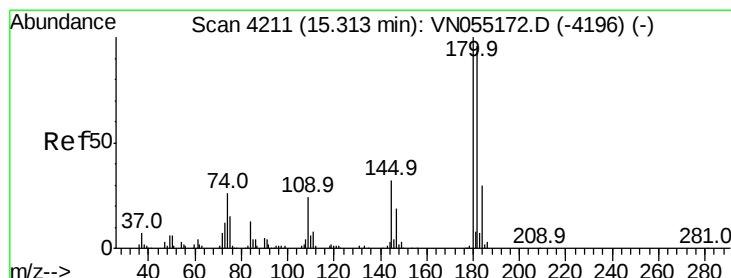
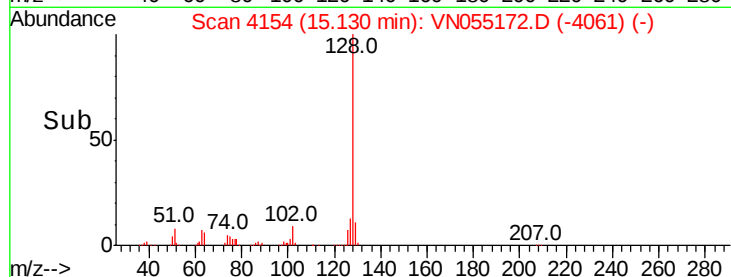
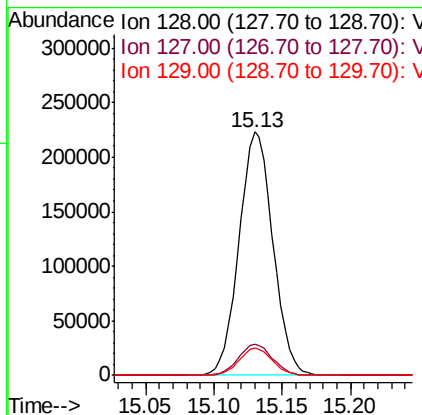
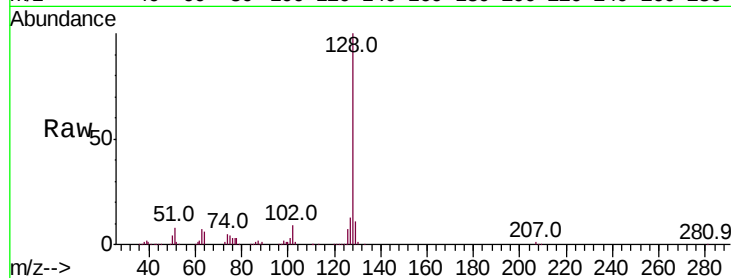
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	384370
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:46:41 PM



#96

1,2,3-Trichlorobenzene

Concen: 55.436 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055172.D

Acq: 22 Apr 2019 10:38

Tgt Ion:	180	Resp:	185731
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.2	141.6
145	30.7	15.4	46.1

