

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056856.D
 Acq On : 22 Jul 2019 15:36
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072219

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:01:33 PM

Quant Time: Jul 23 02:17:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	386023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	565805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	509875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	189215	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
35) Dibromofluoromethane	7.59	113	169558	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
50) Toluene-d8	10.09	98	658855	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
62) 4-Bromofluorobenzene	12.40	95	225303	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	229893	48.714	ug/l	99
3) Chloromethane	2.06	50	257971	47.883	ug/l	98
4) Vinyl Chloride	2.18	62	240479	48.590	ug/l	98
5) Bromomethane	2.55	94	143514	47.673	ug/l	100
6) Chloroethane	2.69	64	129223	47.645	ug/l	97
7) Trichlorofluoromethane	3.01	101	294041	48.631	ug/l	96
8) Diethyl Ether	3.40	74	106130	47.108	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	184866	49.438	ug/l	98
10) Methyl Iodide	3.94	142	239696	45.612	ug/l	100
11) Tert butyl alcohol	4.81	59	146101	249.782	ug/l	99
12) 1,1-Dichloroethene	3.72	96	179709	47.972	ug/l	99
13) Acrolein	3.60	56	107730	221.357	ug/l	98
14) Allyl chloride	4.31	41	303182	49.228	ug/l	99
15) Acrylonitrile	4.99	53	435760	247.586	ug/l	100
16) Acetone	3.82	43	391151	263.802	ug/l	100
17) Carbon Disulfide	4.04	76	486500	47.582	ug/l	100
18) Methyl Acetate	4.32	43	233700	48.015	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	542316	49.000	ug/l	100
20) Methylene Chloride	4.54	84	205408	46.329	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	191394	48.911	ug/l	96
22) Diisopropyl ether	5.95	45	611129	49.083	ug/l	98
23) Vinyl Acetate	5.89	43	2252563	250.453	ug/l	100
24) 1,1-Dichloroethane	5.84	63	354213	49.103	ug/l	100
25) 2-Butanone	6.84	43	569343	261.232	ug/l	98
26) 2,2-Dichloropropane	6.82	77	267737	53.041	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	220904	49.242	ug/l	99
28) Bromochloromethane	7.19	49	163545	49.945	ug/l	99
29) Tetrahydrofuran	7.21	42	369928	246.871	ug/l	100
30) Chloroform	7.37	83	342620	47.378	ug/l	97
31) Cyclohexane	7.65	56	340586	48.664	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	288204	49.264	ug/l	99
36) 1,1-Dichloropropene	7.79	75	269341	51.619	ug/l	99
37) Ethyl Acetate	6.93	43	224501	53.353	ug/l	100
38) Carbon Tetrachloride	7.77	117	251007	50.533	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056856.D
 Acq On : 22 Jul 2019 15:36
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 ICVVN072219

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:01:33 PM

Quant Time: Jul 23 02:17:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	346089	53.005	ug/l	99
40) Benzene	8.04	78	805595	49.704	ug/l	99
41) Methacrylonitrile	7.17	41	114077	54.603	ug/l	94
42) 1,2-Dichloroethane	8.12	62	250372	49.439	ug/l	99
43) Isopropyl Acetate	8.17	43	366065	50.606	ug/l #	91
44) Trichloroethene	8.83	130	220582	50.814	ug/l	99
45) 1,2-Dichloropropane	9.12	63	216692	49.629	ug/l	99
46) Dibromomethane	9.21	93	133006	49.353	ug/l	99
47) Bromodichloromethane	9.40	83	259166	51.136	ug/l	97
48) Methyl methacrylate	9.20	41	181865	50.258	ug/l	100
49) 1,4-Dioxane	9.20	88	76008	1070.826	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1111041	257.566	ug/l	100
52) Toluene	10.15	92	506528	51.935	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	277781	53.403	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	322343	52.564	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	192796	49.804	ug/l	99
56) Ethyl methacrylate	10.43	69	291112	54.172	ug/l	98
57) 1,3-Dichloropropane	10.71	76	328704	51.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	631167	249.462	ug/l	100
59) 2-Hexanone	10.75	43	805819	269.880	ug/l	100
60) Dibromochloromethane	10.90	129	204060	52.532	ug/l	100
61) 1,2-Dibromoethane	11.00	107	199762	51.959	ug/l	99
64) Tetrachloroethene	10.63	164	220567	50.425	ug/l	98
65) Chlorobenzene	11.43	112	540555	51.016	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	199940	50.052	ug/l	100
67) Ethyl Benzene	11.51	91	964737	52.742	ug/l	100
68) m/p-Xylenes	11.62	106	724187	105.754	ug/l	99
69) o-Xylene	11.94	106	349853	52.335	ug/l	99
70) Styrene	11.96	104	592234	50.482	ug/l	100
71) Bromoform	12.13	173	145486	52.556	ug/l #	100
73) Isopropylbenzene	12.25	105	941943	54.157	ug/l	100
74) N-amyl acetate	12.07	43	318917	47.139	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	255940	51.302	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	204462m	42.816	ug/l	
77) Bromobenzene	12.52	156	242938	48.335	ug/l	99
78) n-propylbenzene	12.59	91	1054722	49.799	ug/l	100
79) 2-Chlorotoluene	12.67	91	621921	53.632	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	792304	53.843	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	79316	53.197	ug/l	97
82) 4-Chlorotoluene	12.77	91	621370	49.312	ug/l	100
83) tert-Butylbenzene	12.99	119	684415	53.640	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	787971	49.361	ug/l	100
85) sec-Butylbenzene	13.17	105	911836	48.607	ug/l	99
86) p-Isopropyltoluene	13.29	119	833313	49.863	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	399584	49.596	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	390390	49.878	ug/l	100
89) n-Butylbenzene	13.61	91	686535	53.431	ug/l	100
90) Hexachloroethane	13.87	117	137294	47.055	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	393393	48.580	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41296	46.838	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
Data File : VN056856.D
Acq On : 22 Jul 2019 15:36
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

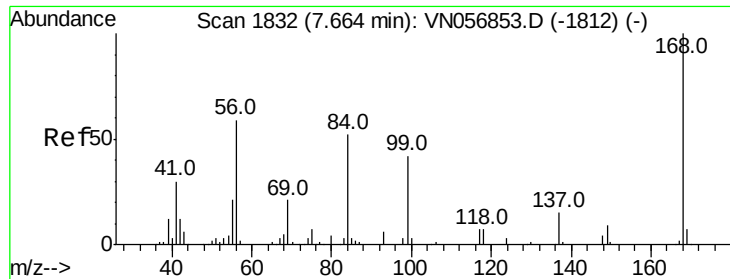
Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:33 PM

Quant Time: Jul 23 02:17:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 23 01:46:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	197966	45.856	ug/l	100
94) Hexachlorobutadiene	15.01	225	146267	54.388	ug/l	99
95) Naphthalene	15.13	128	504695	45.371	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	210143	47.418	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

Tot Ion:168 Resp: 386023

Ion Ratio Lower Upper

168 100

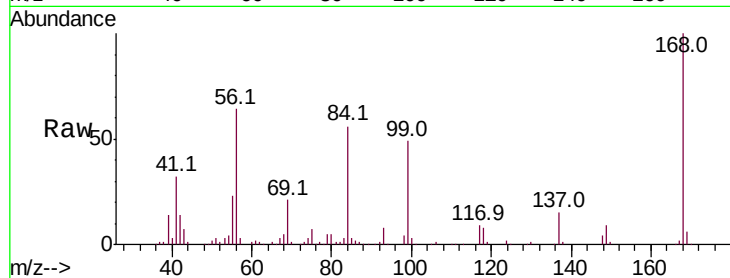
99 49.0 40.9 61.3

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:33 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

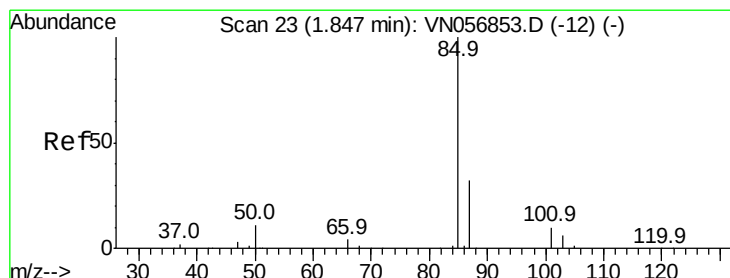
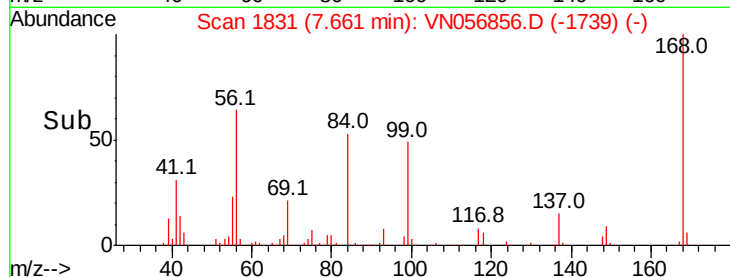
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.714 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056856.D

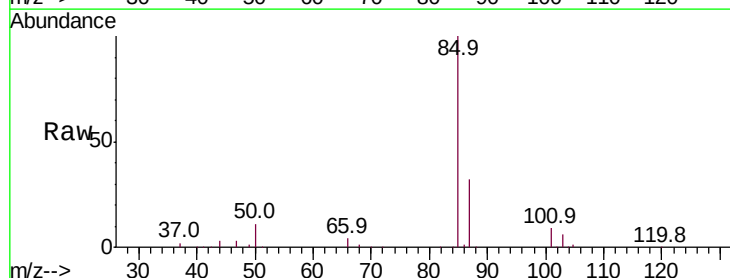
Acq: 22 Jul 2019 15:36

Tgt Ion: 85 Resp: 229893

Ion Ratio Lower Upper

85 100

87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

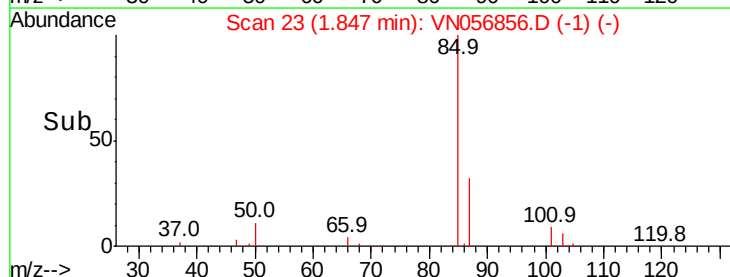
150000

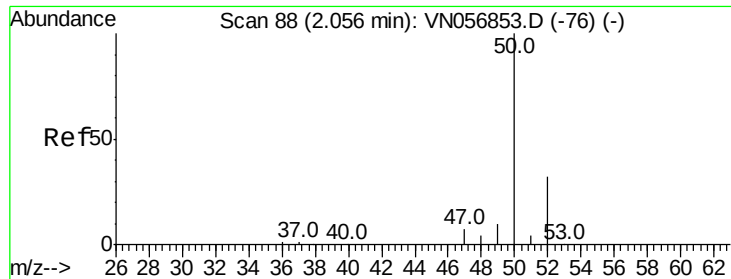
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.883 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

Tot Ion: 50 Resp: 257971

Ion Ratio Lower Upper

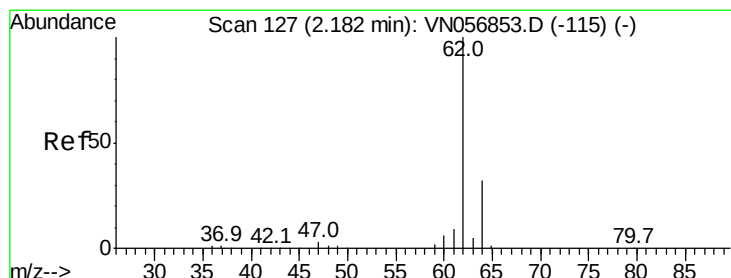
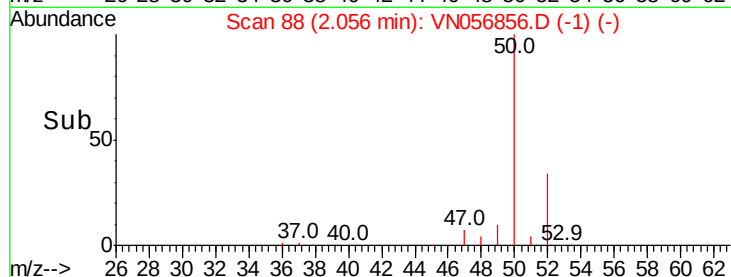
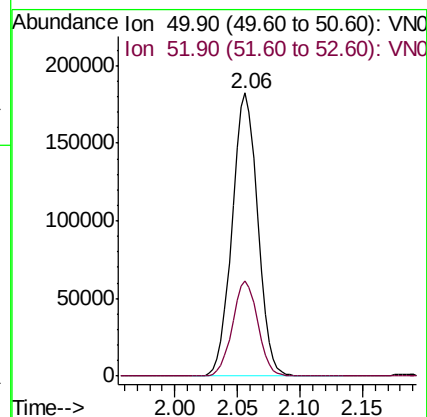
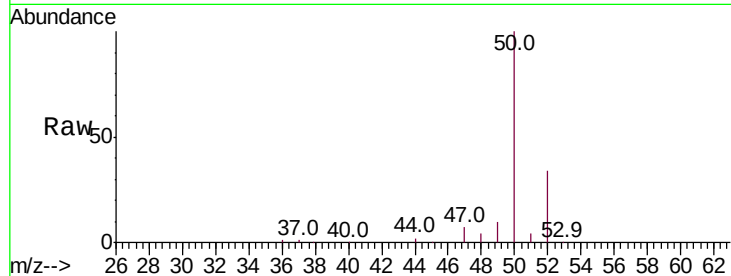
50 100

52 33.7 25.9 38.9

Manual Integrations
APPROVED

MMDadoda

7/25/2019 3:01:33 PM



#4

Vinyl Chloride

Concen: 48.590 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056856.D

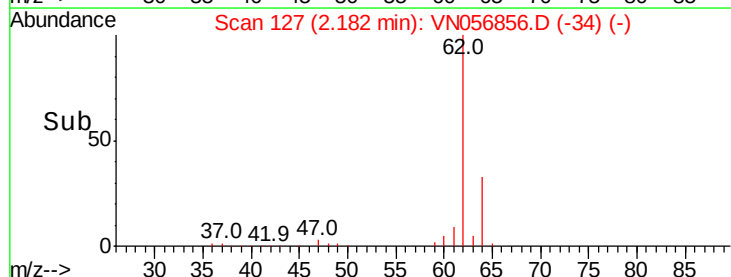
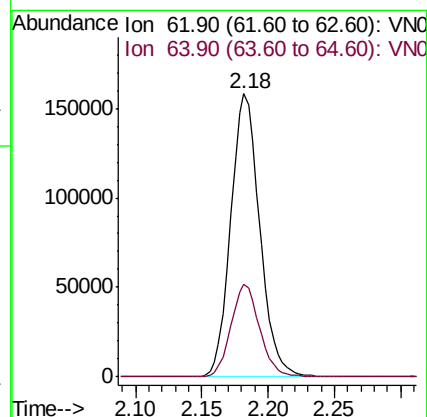
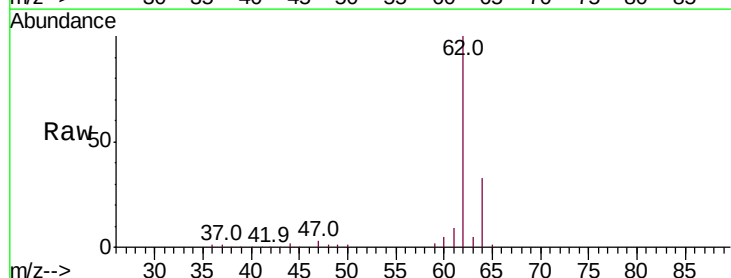
Acq: 22 Jul 2019 15:36

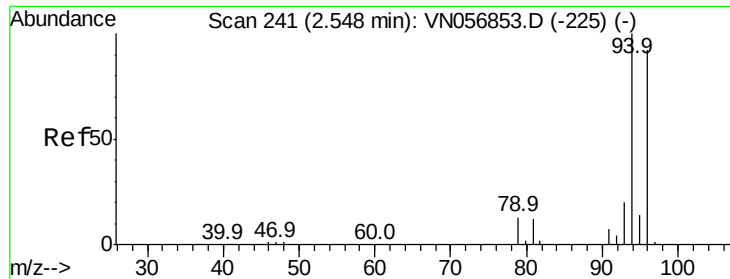
Tgt Ion: 62 Resp: 240479

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.2





#5

Bromomethane

Concen: 47.673 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

Tot Ion: 94 Resp: 143514

Ion Ratio Lower Upper

94 100

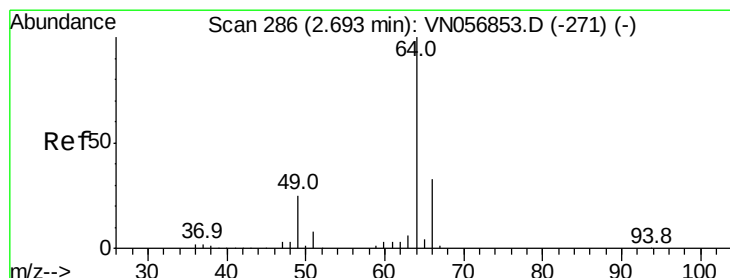
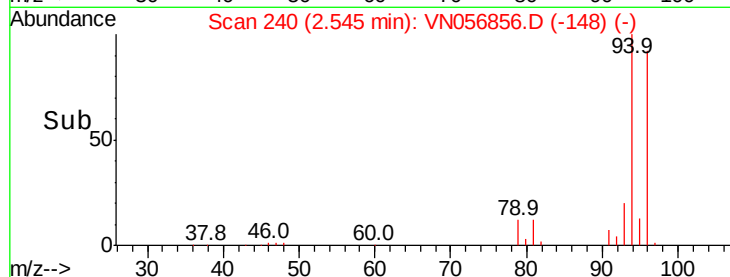
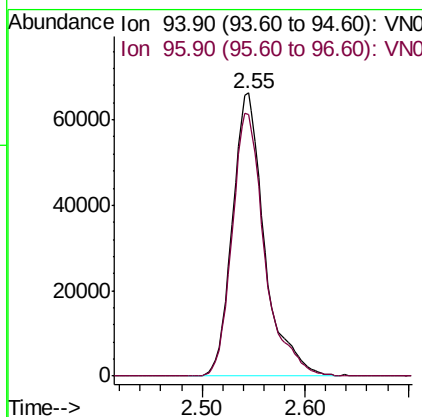
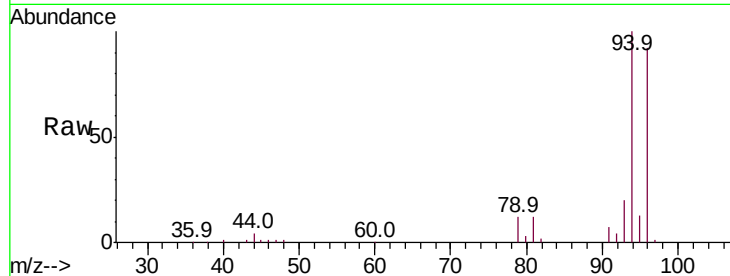
96 92.2 73.6 110.4

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:33 PM



#6

Chloroethane

Concen: 47.645 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN056856.D

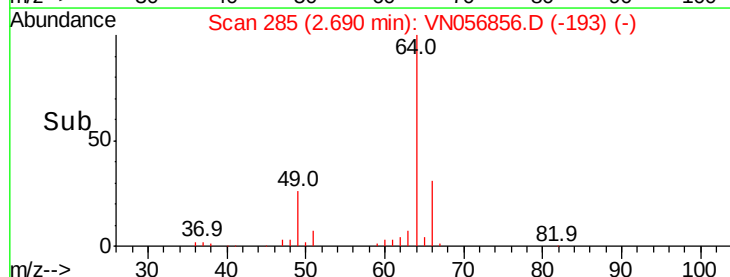
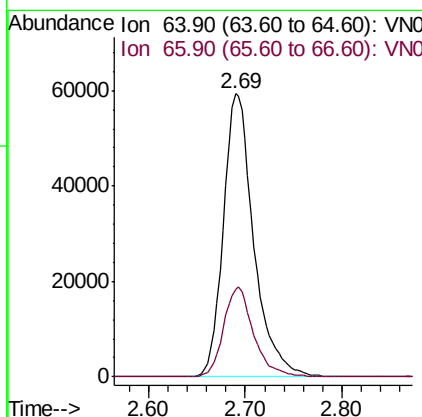
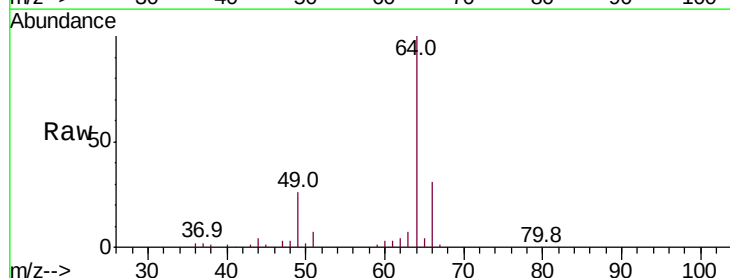
Acq: 22 Jul 2019 15:36

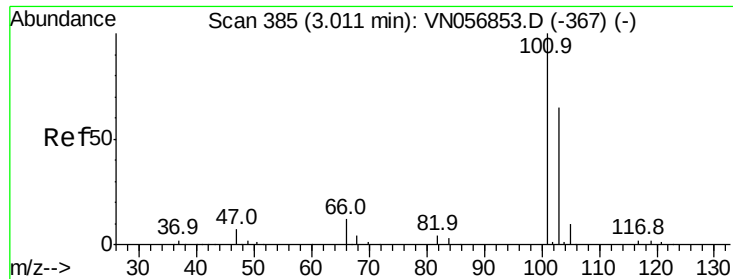
Tgt Ion: 64 Resp: 129223

Ion Ratio Lower Upper

64 100

66 31.0 26.4 39.6





#7

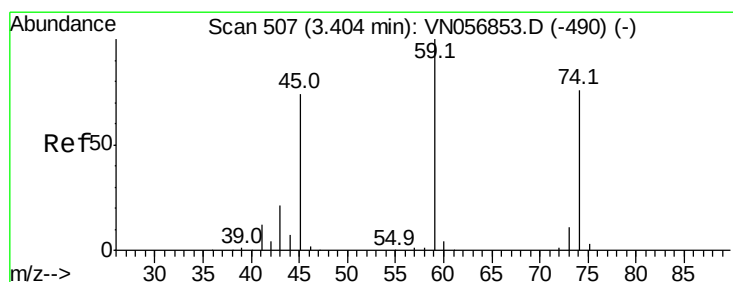
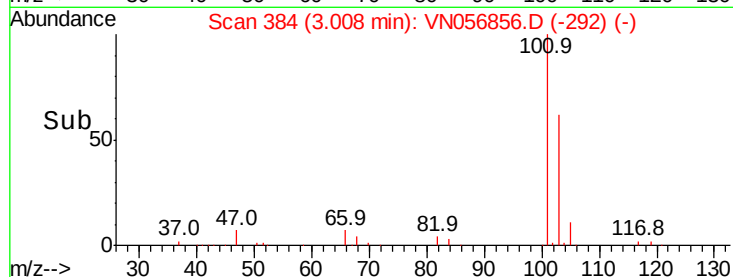
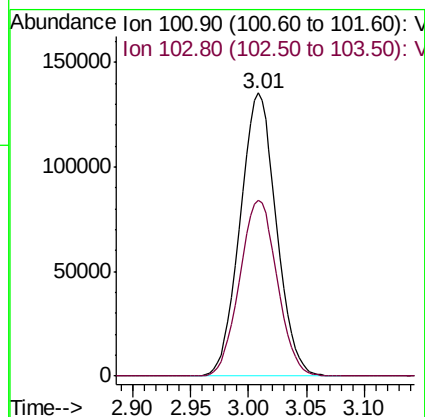
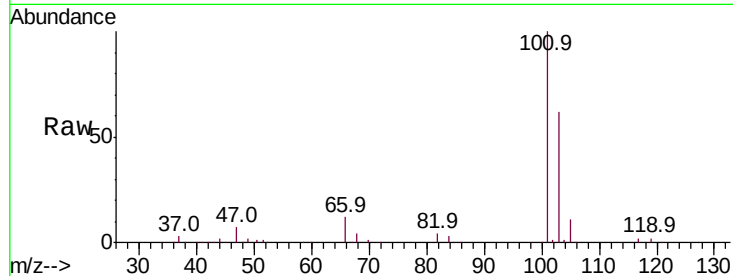
Trichlorofluoromethane
Concen: 48.631 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	52.3	78.5

Manual Integrations
APPROVED

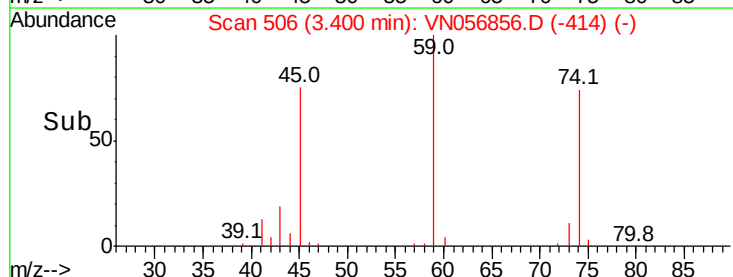
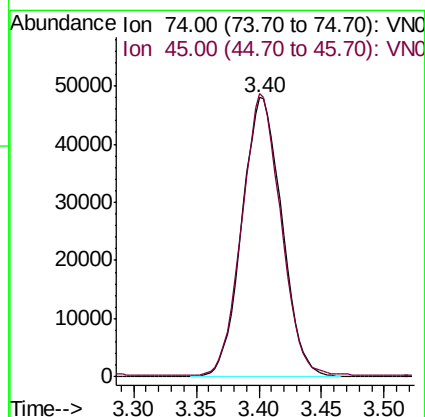
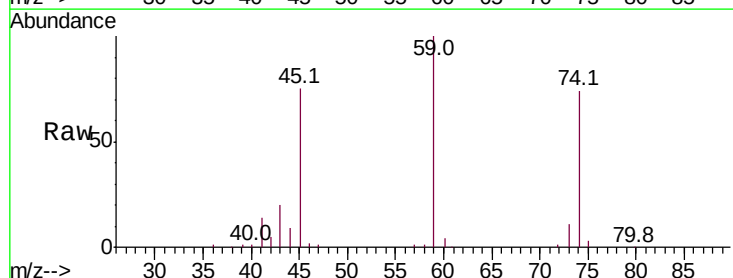
MMDadoda
7/25/2019 3:01:33 PM

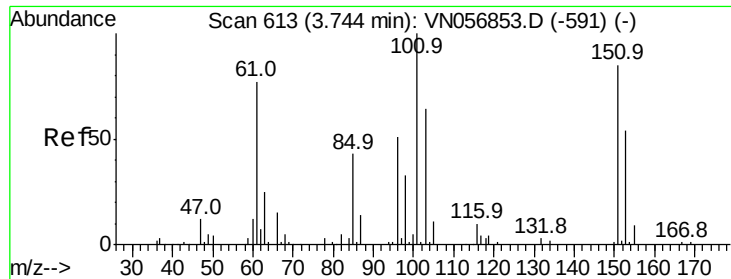


#8

Diethyl Ether
Concen: 47.108 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	49.2	147.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.438 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

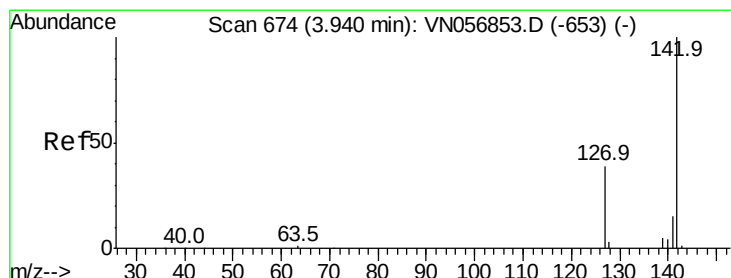
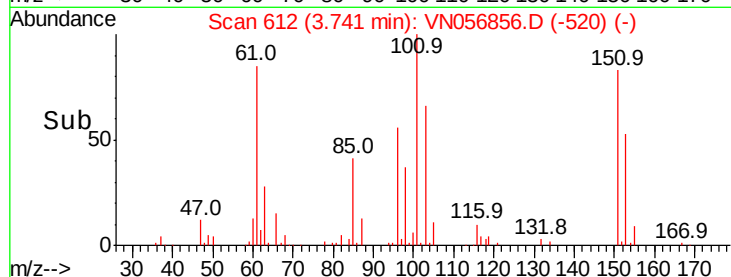
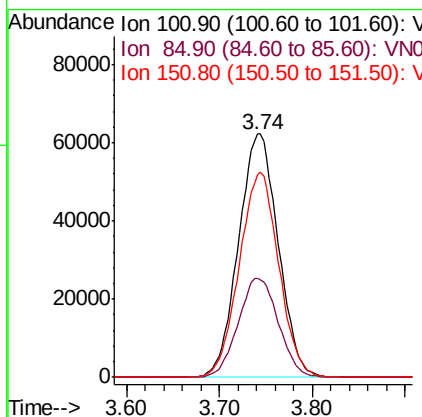
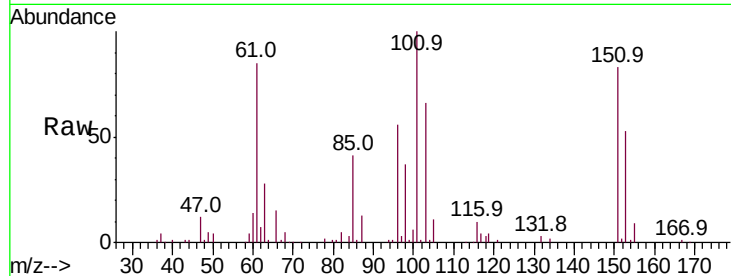
ClientSampleId :

ICVVN072219

Tot Ion:	101	Resp:	184866
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.7	50.5
151	83.8	68.1	102.1

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:33 PM



#10

Methyl Iodide

Concen: 45.612 ug/l

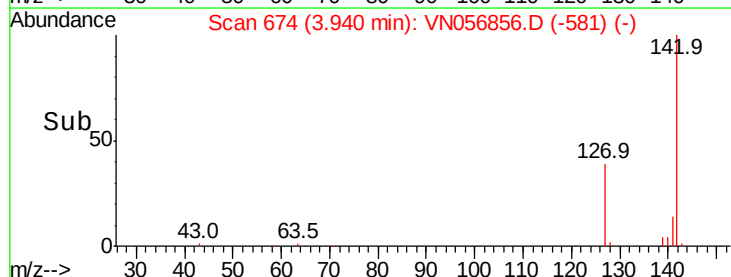
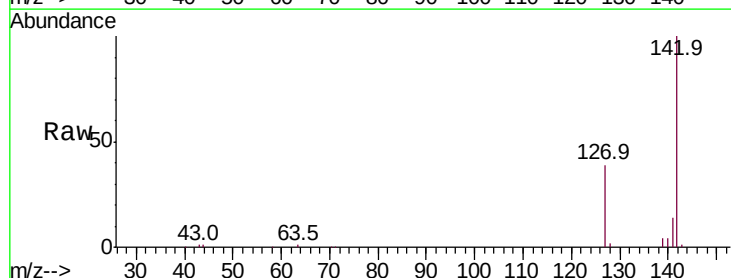
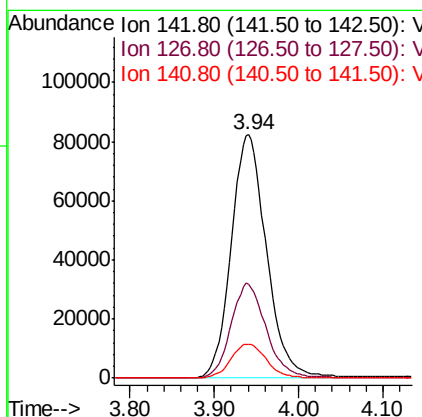
RT: 3.94 min Scan# 674

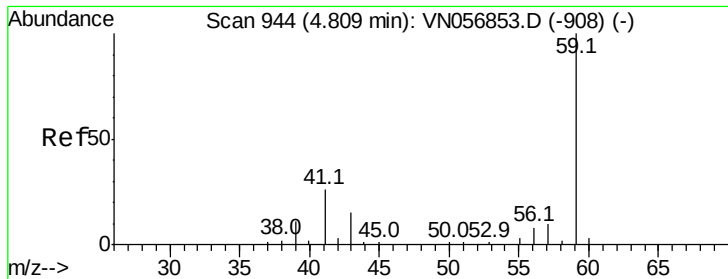
Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Tgt Ion:	142	Resp:	239696
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.2	46.8
141	14.1	11.4	17.2





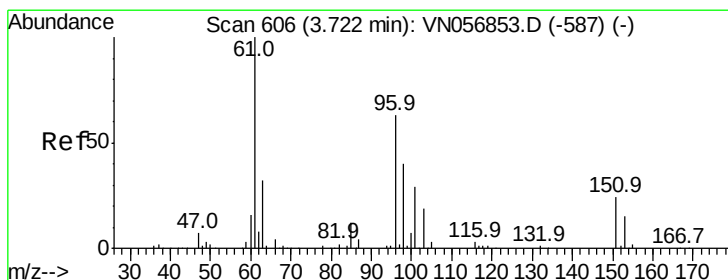
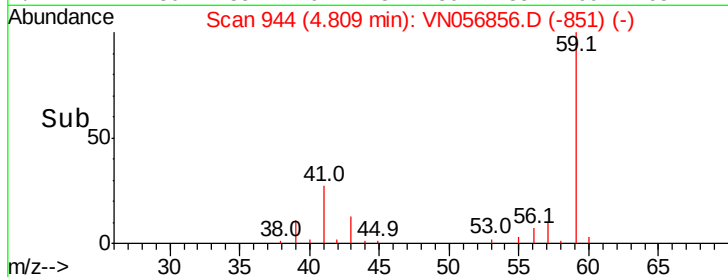
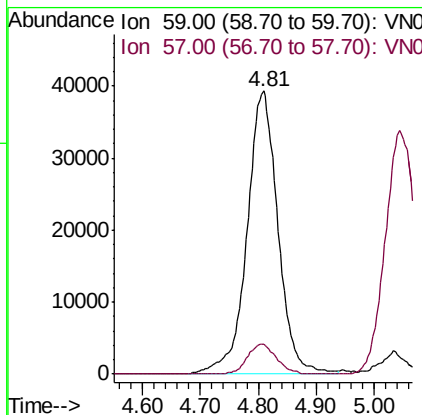
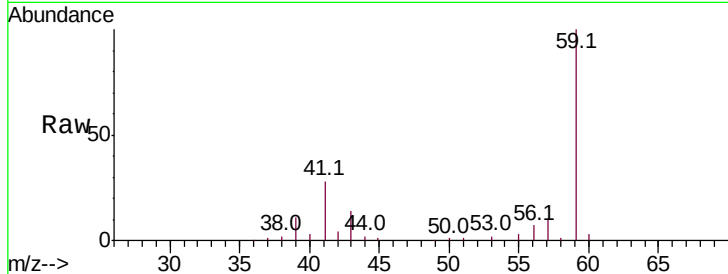
#11
Tert butyl alcohol
Concen: 249.782 ug/l
RT: 4.81 min Scan# 944
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4

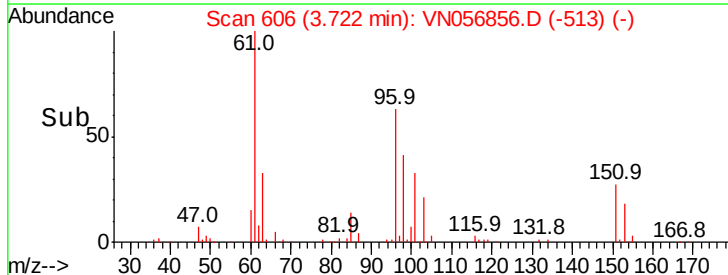
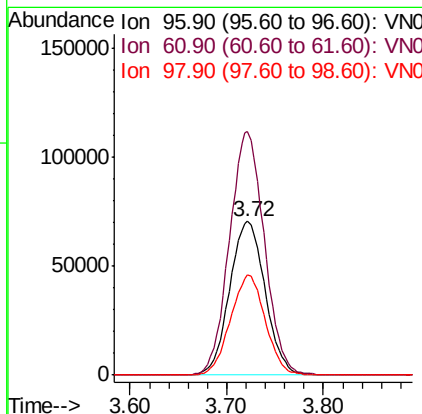
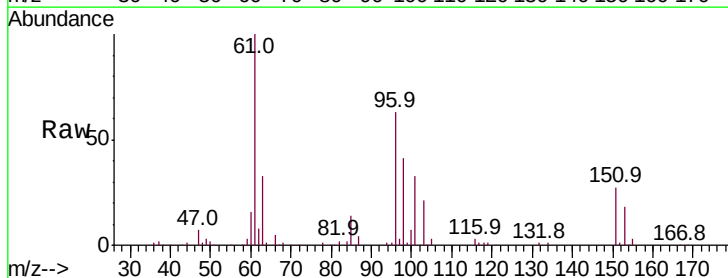
Manual Integrations
APPROVED

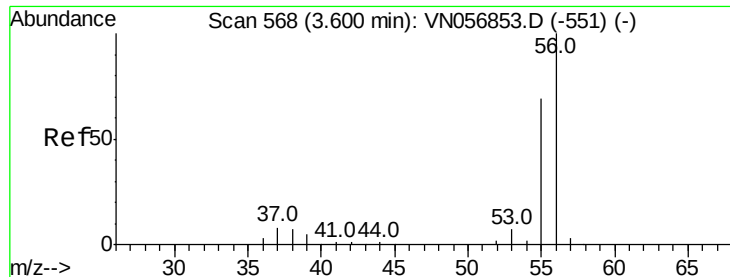
MMDadoda
7/25/2019 3:01:33 PM



#12
1,1-Dichloroethene
Concen: 47.972 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.4	126.3	189.5
98	64.9	51.0	76.4





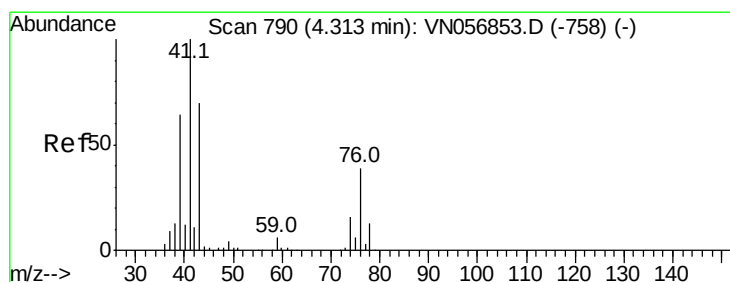
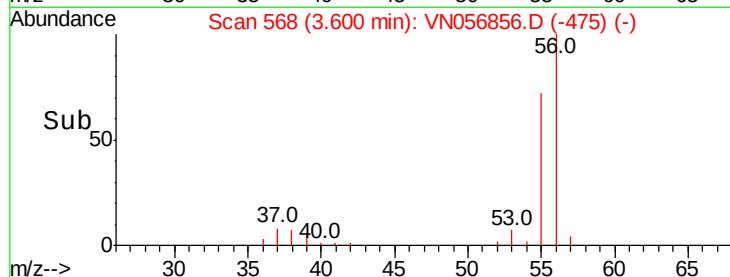
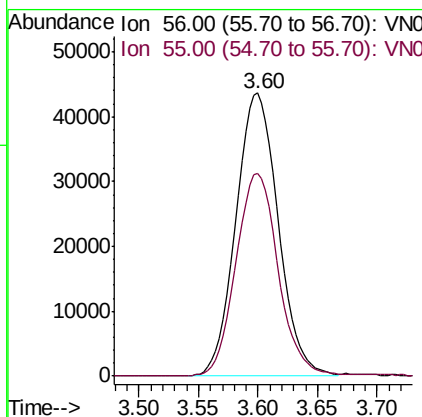
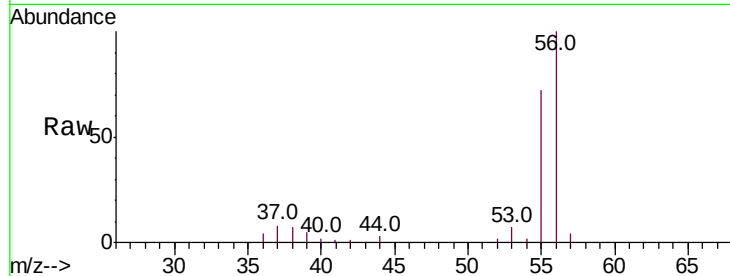
#13
Acrolein
Concen: 221.357 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

Tot Ion: 56 Resp: 107730
Ion Ratio Lower Upper
56 100
55 71.6 56.2 84.4

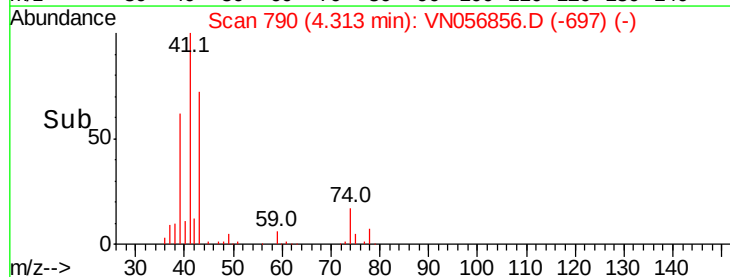
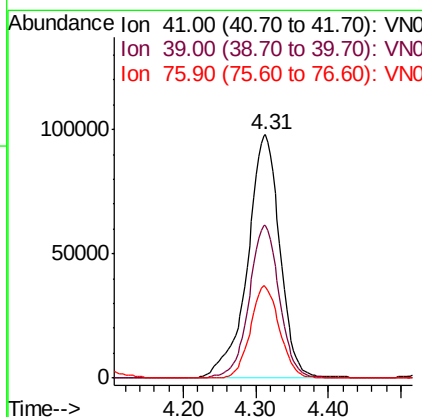
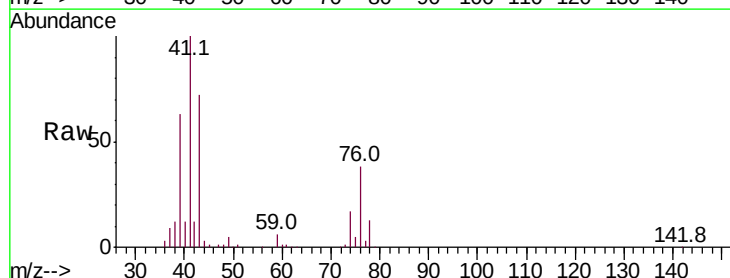
Manual Integrations
APPROVED

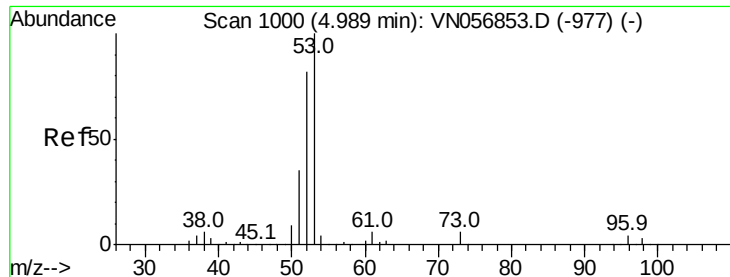
MMDadoda
7/25/2019 3:01:33 PM



#14
Allyl chloride
Concen: 49.228 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 41 Resp: 303182
Ion Ratio Lower Upper
41 100
39 59.0 47.8 71.6
76 34.1 27.9 41.9





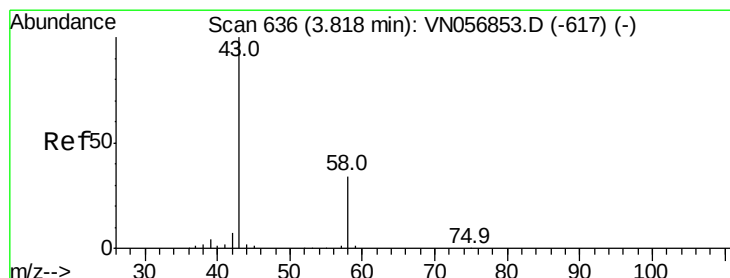
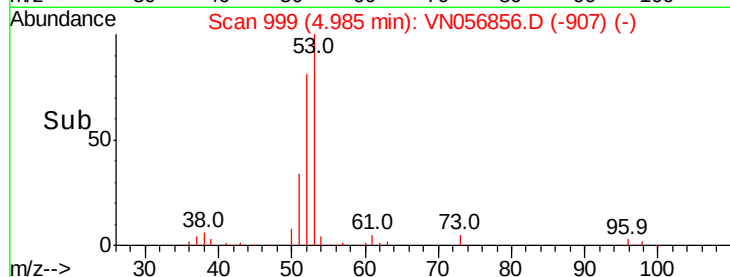
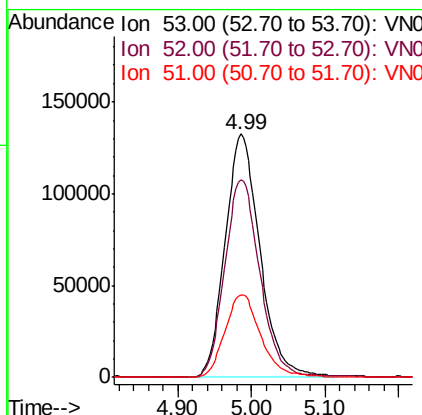
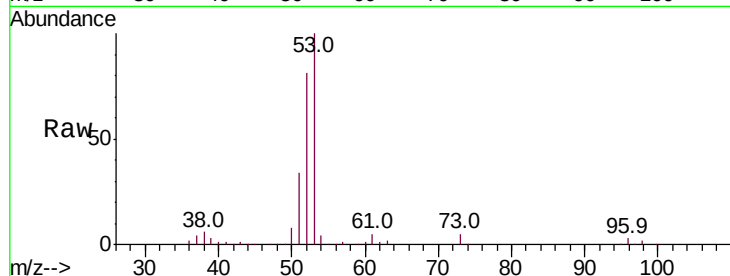
#15
 Acrylonitrile
 Concen: 247.586 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072219

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.0	97.6
51	35.1	28.2	42.2

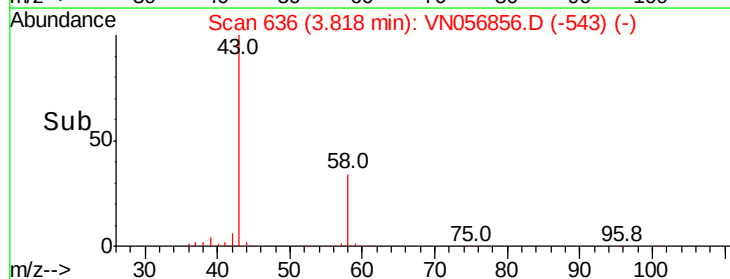
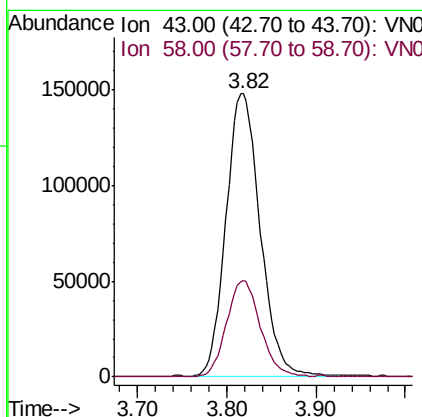
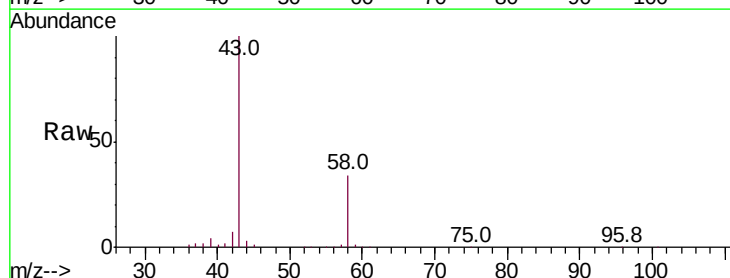
Manual Integrations
 APPROVED

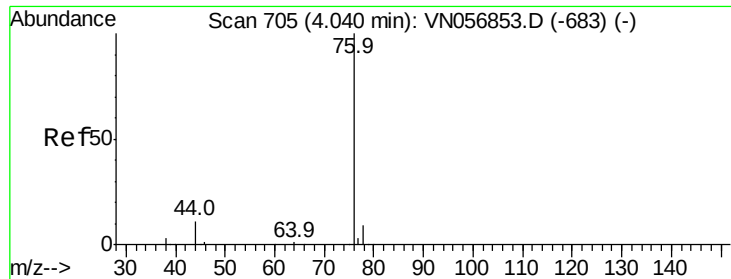
MMDadoda
 7/25/2019 3:01:33 PM



#16
 Acetone
 Concen: 263.802 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.2	27.3	40.9





#17

Carbon Disulfide

Concen: 47.582 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

Tot Ion: 76 Resp: 486500

Ion Ratio Lower Upper

76 100

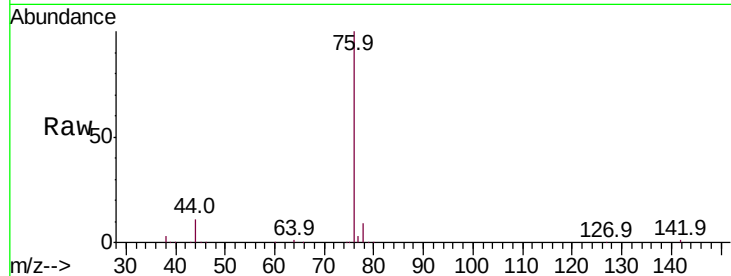
78 8.9 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:33 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

200000

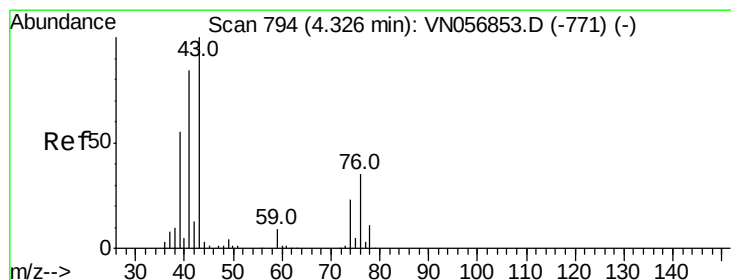
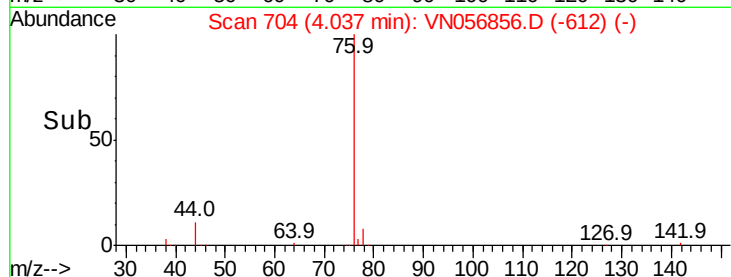
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.015 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN056856.D

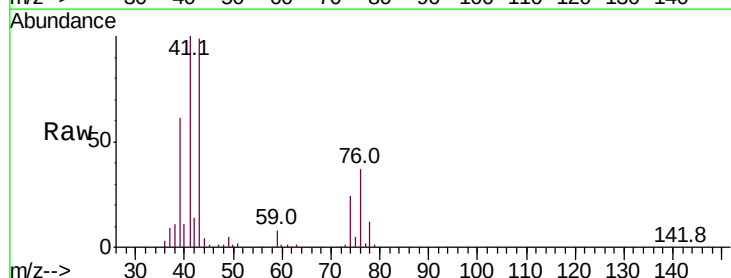
Acq: 22 Jul 2019 15:36

Tgt Ion: 43 Resp: 233700

Ion Ratio Lower Upper

43 100

74 24.3 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

80000

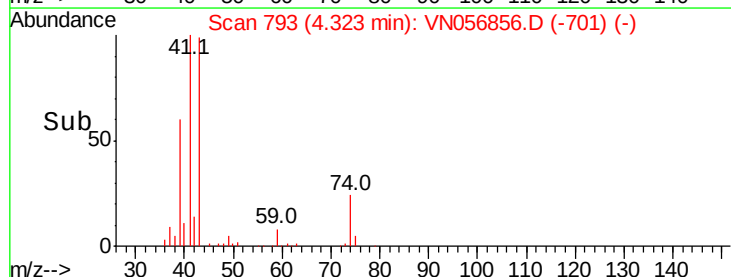
60000

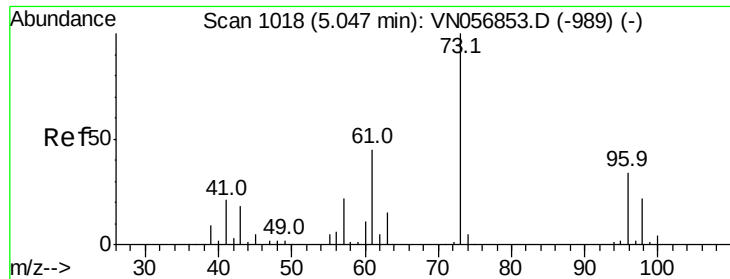
40000

20000

0

Time-->





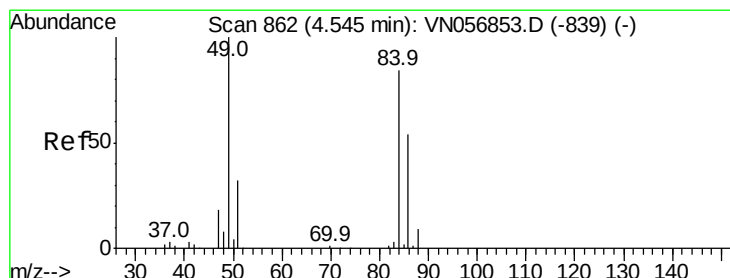
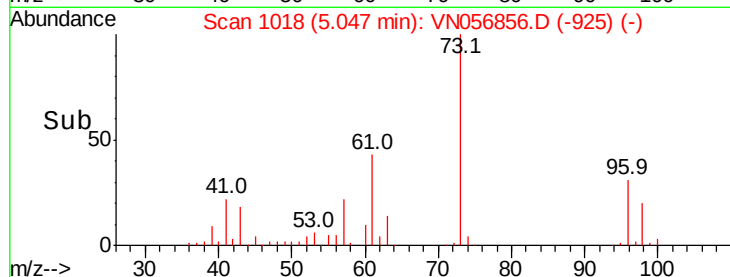
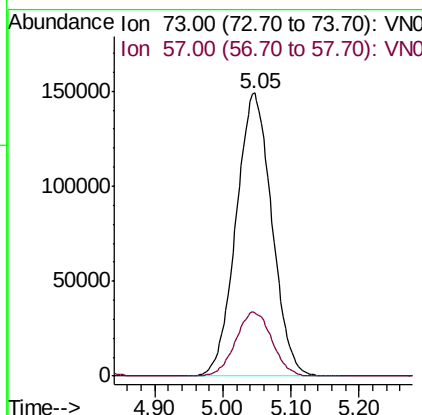
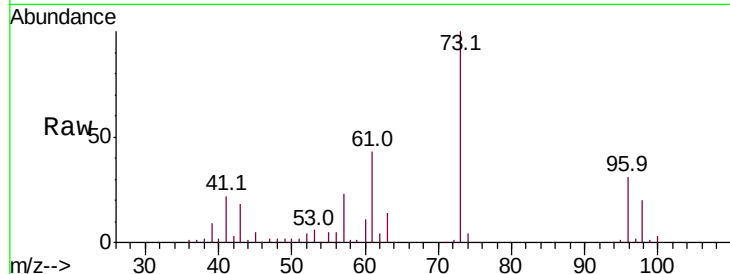
#19
Methyl tert-butyl Ether
Concen: 49.000 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

Tot Ion: 73 Resp: 542316
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0

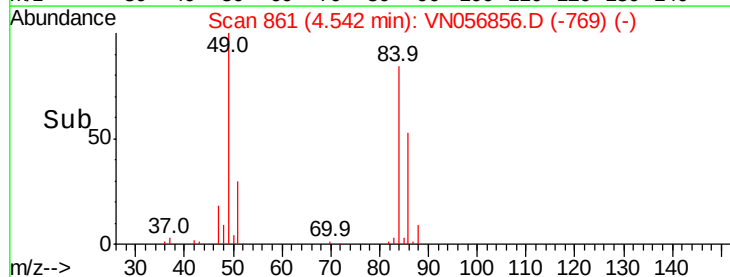
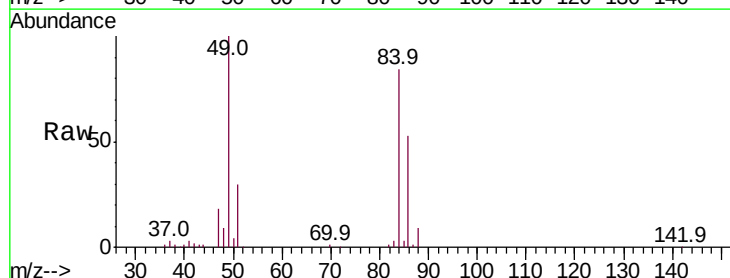
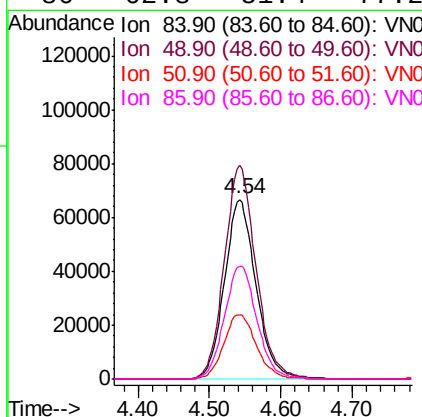
Manual Integrations
APPROVED

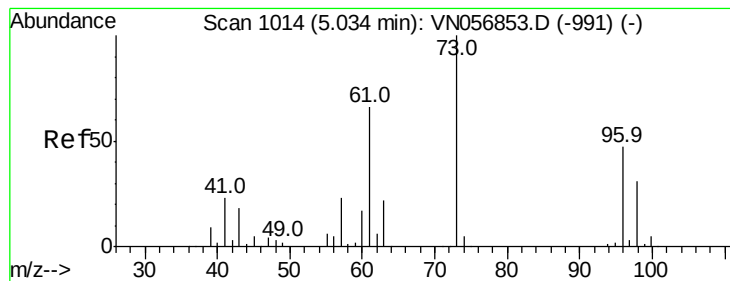
MMDadoda
7/25/2019 3:01:33 PM



#20
Methylene Chloride
Concen: 46.329 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 84 Resp: 205408
Ion Ratio Lower Upper
84 100
49 118.9 94.9 142.3
51 35.9 29.9 44.9
86 62.8 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 48.911 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampled :

ICVVN072219

Tot Ion: 96 Resp: 191394

Ion Ratio Lower Upper

96 100

61 136.5 112.8 169.2

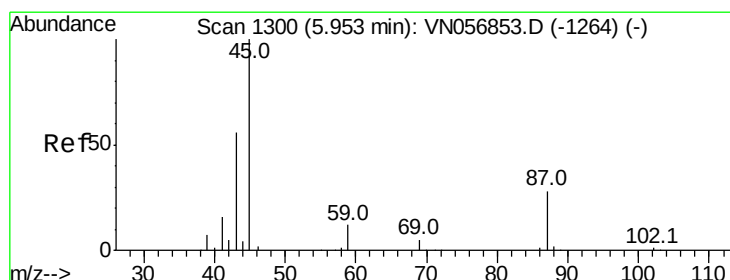
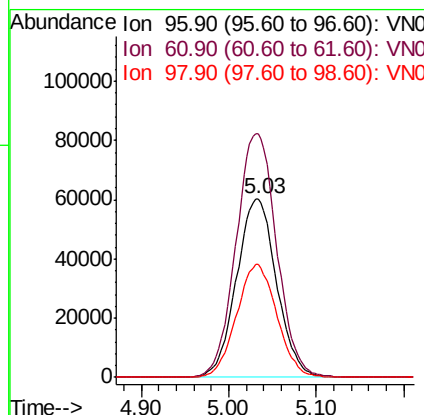
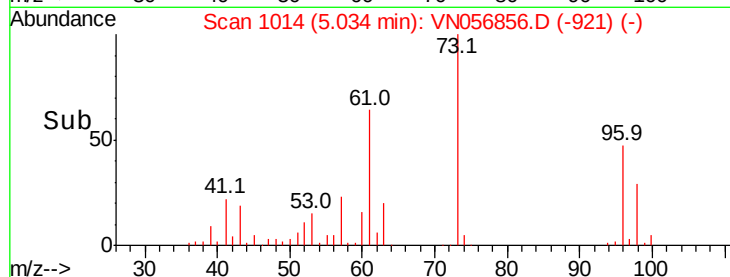
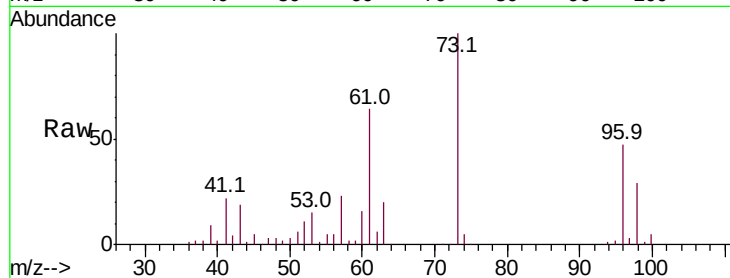
98 63.1 53.3 79.9

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:33 PM



#22

Diisopropyl ether

Concen: 49.083 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Tgt Ion: 45 Resp: 611129

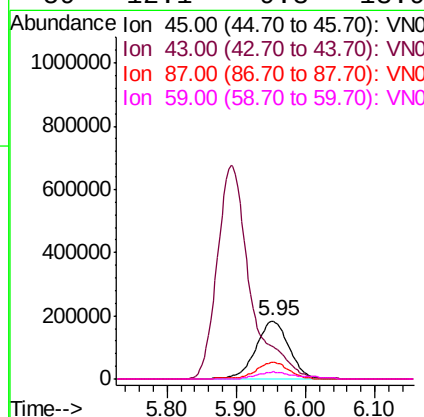
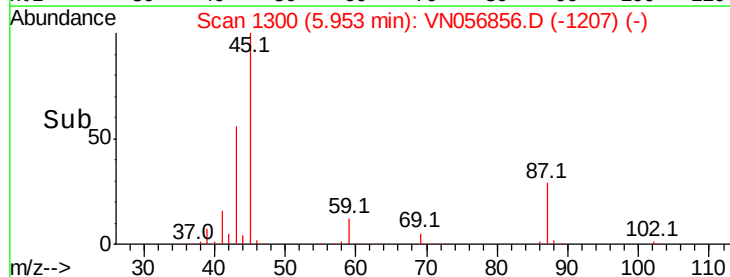
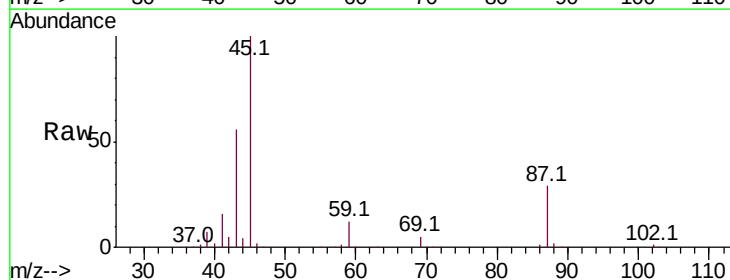
Ion Ratio Lower Upper

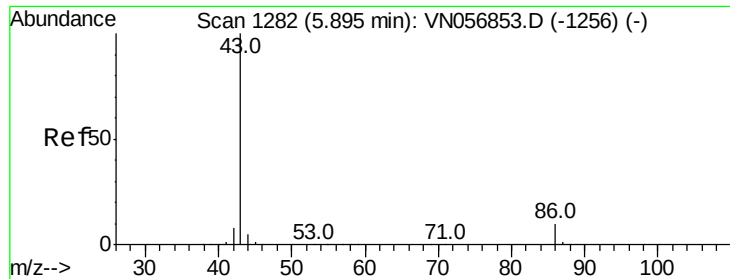
45 100

43 54.5 45.5 68.3

87 28.6 22.7 34.1

59 12.1 9.3 13.9





#23

Vinyl Acetate

Concen: 250.453 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

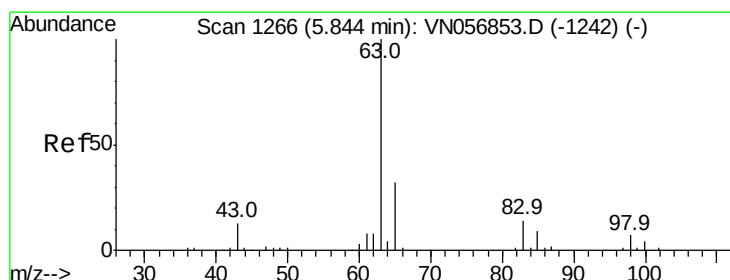
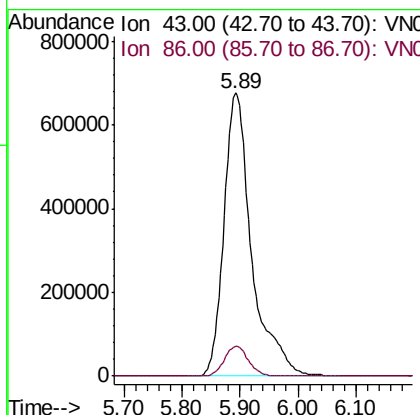
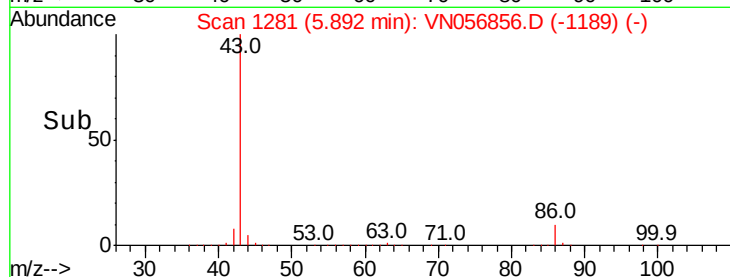
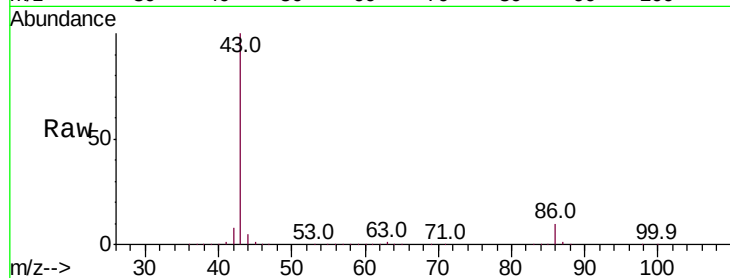
Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

Tot Ion: 43 Resp: 2252563

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:33 PM



#24

1,1-Dichloroethane

Concen: 49.103 ug/l

RT: 5.84 min Scan# 1265

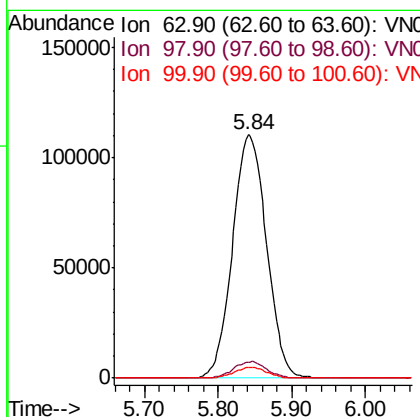
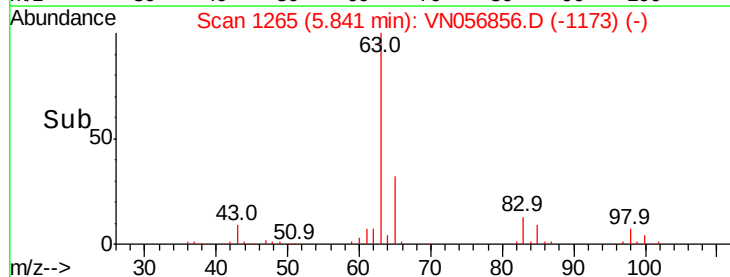
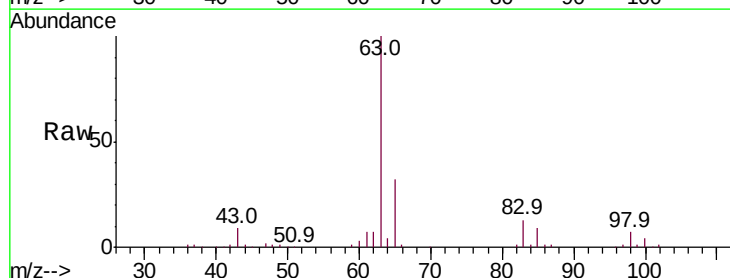
Delta R.T. -0.00 min

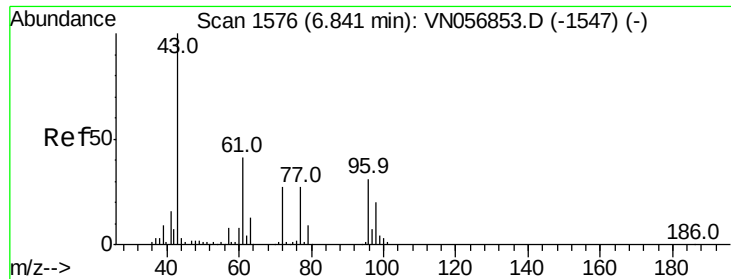
Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Tgt Ion: 63 Resp: 354213

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.3	9.9
100	4.4	2.2	6.6





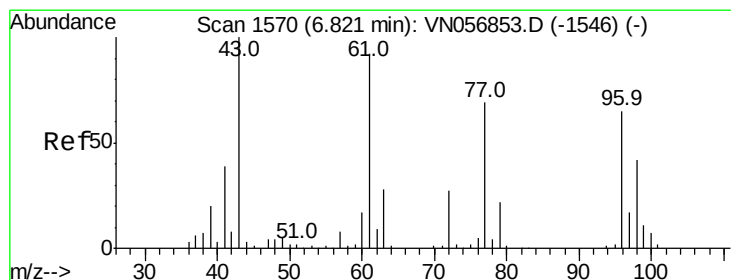
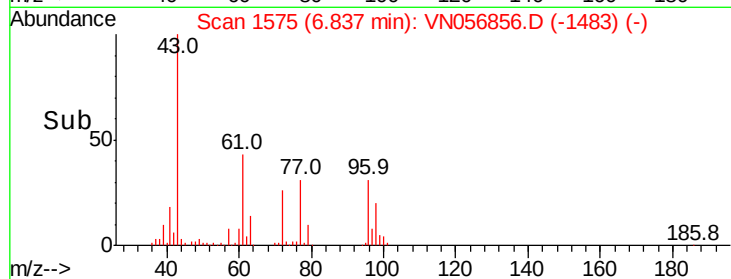
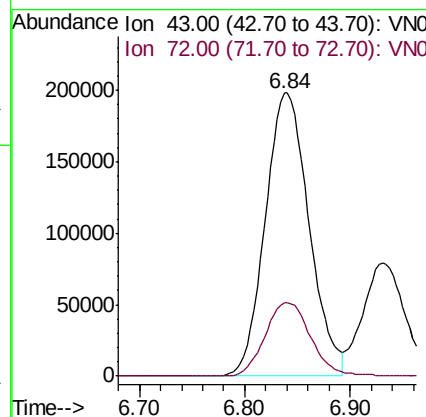
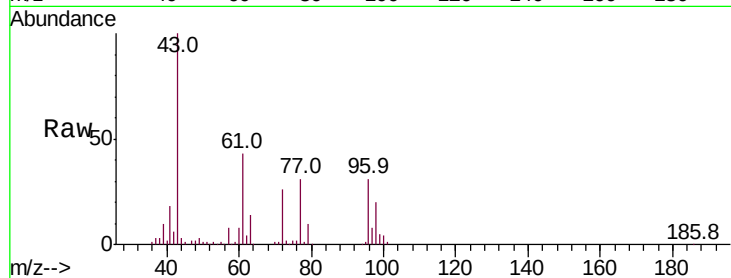
#25
2-Butanone
Concen: 261.232 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

Tot Ion: 43 Resp: 569343
Ion Ratio Lower Upper
43 100
72 26.1 21.5 32.3

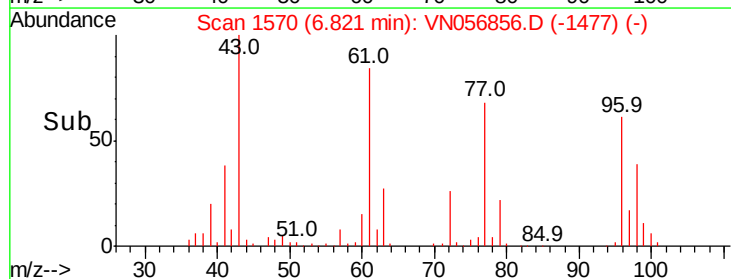
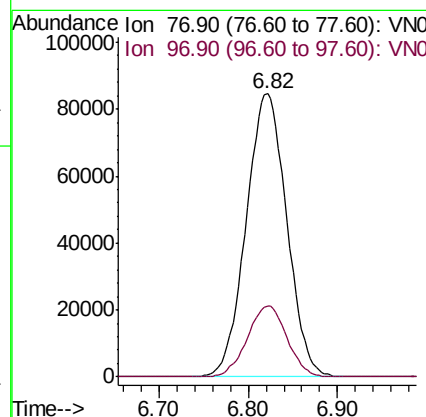
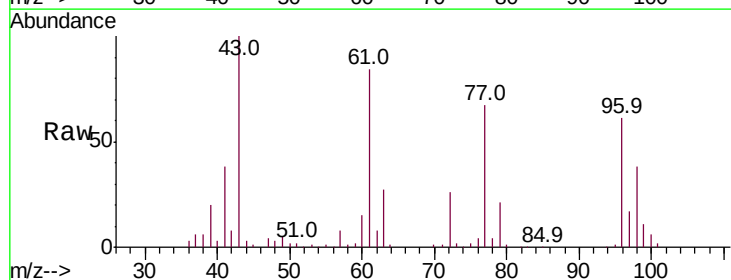
Manual Integrations
APPROVED

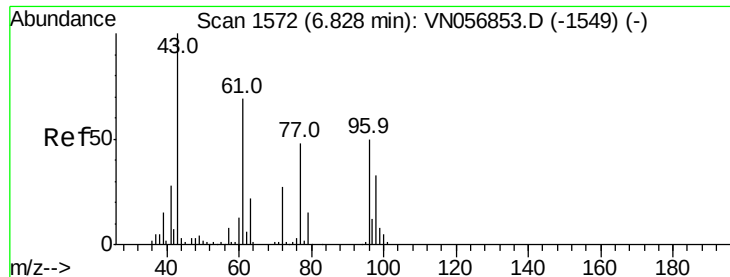
MMDadoda
7/25/2019 3:01:33 PM



#26
2,2-Dichloropropane
Concen: 53.041 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 77 Resp: 267737
Ion Ratio Lower Upper
77 100
97 24.5 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 49.242 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056856.D

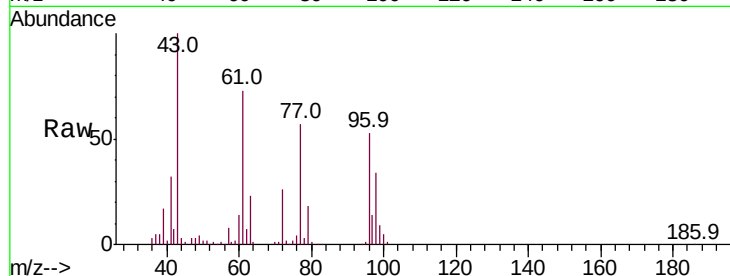
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampled :
ICVVN072219

Tot Ion	Ratio	Resp	Lower	Upper
96	100	220904		
61	140.0	0.0	281.6	
98	64.1	0.0	132.0	

Manual Integrations
APPROVED

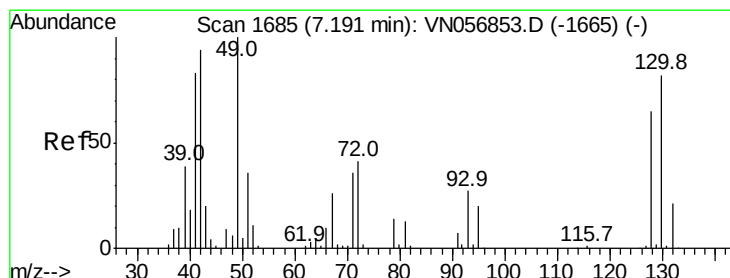
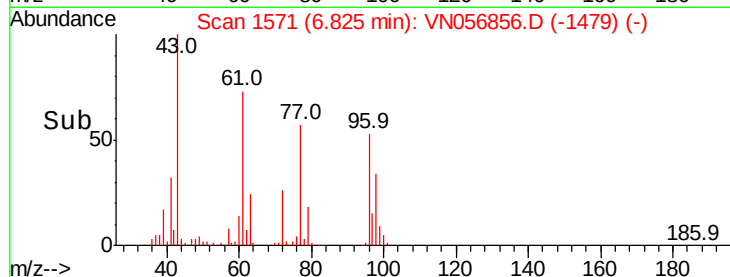
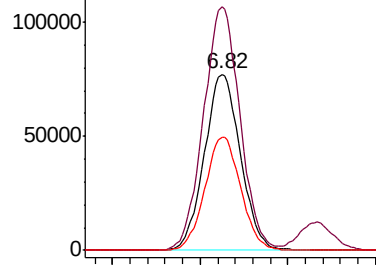
MMDadoda
7/25/2019 3:01:33 PM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 49.945 ug/l

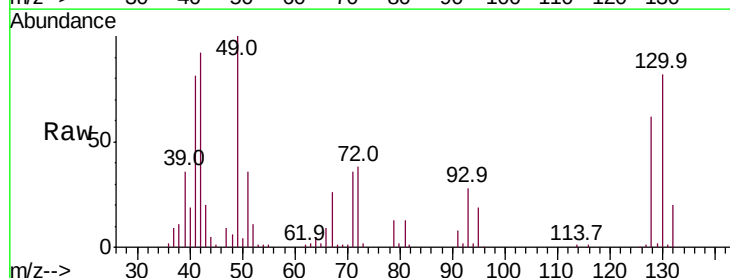
RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

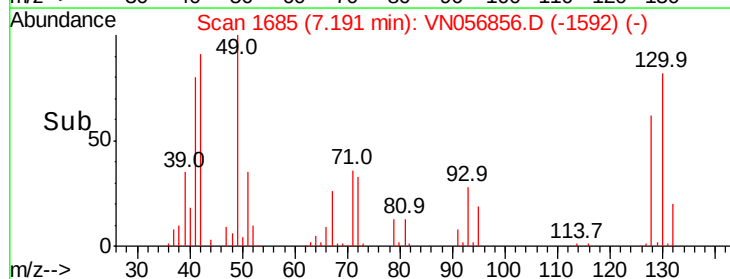
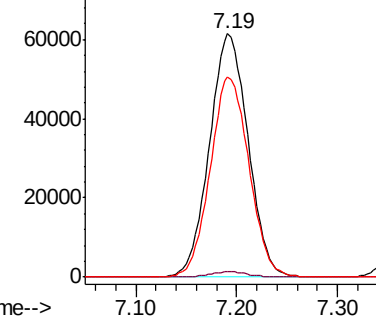
Tgt Ion	Ratio	Resp	Lower	Upper
49	100	163545		
129	2.2	0.0	3.8	
130	82.3	65.0	97.6	

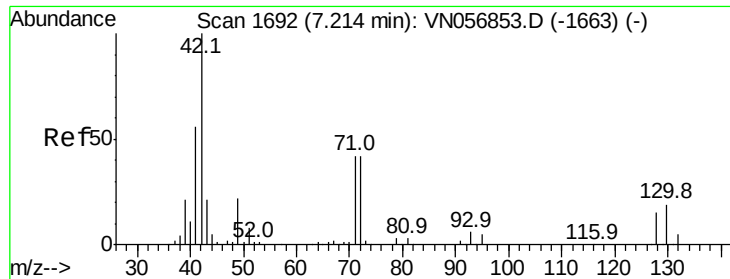


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





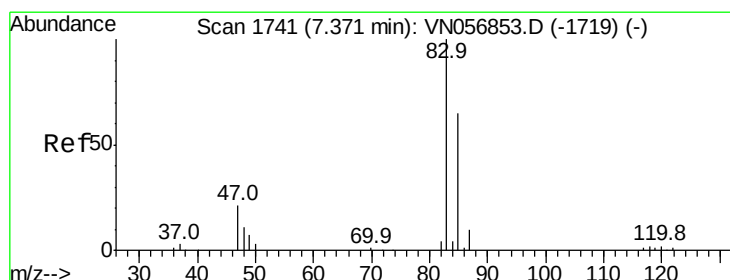
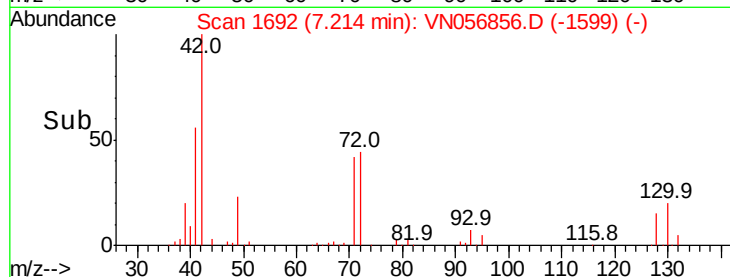
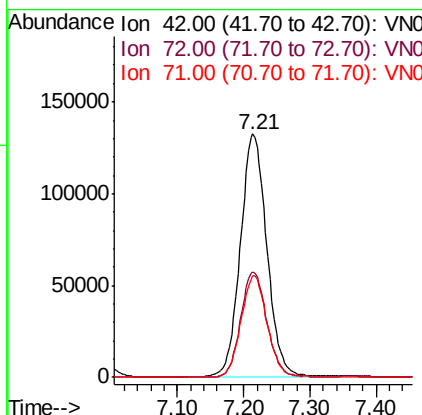
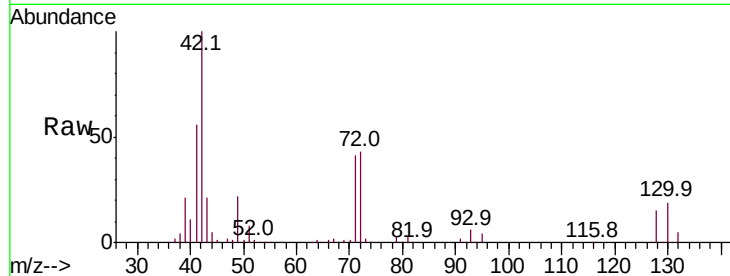
#29
Tetrahydrofuran
Concen: 246.871 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	40.6	32.7	49.1

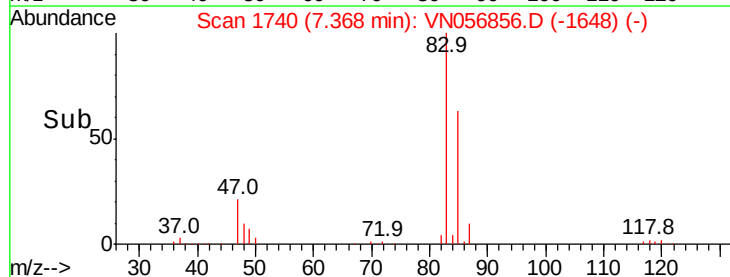
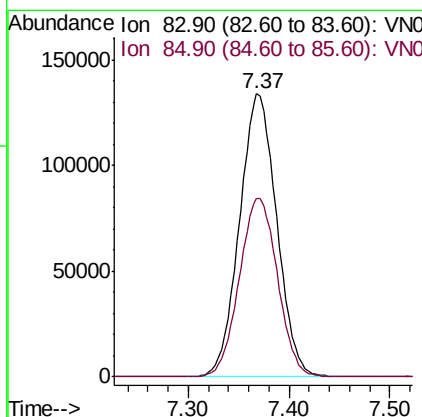
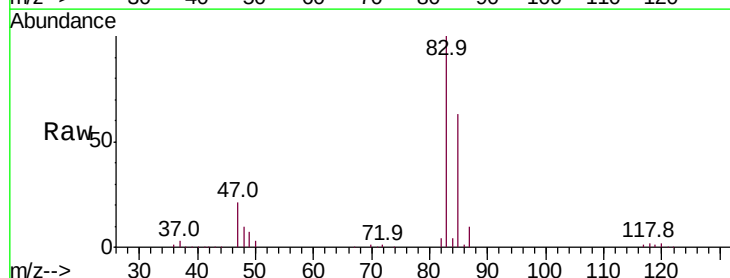
Manual Integrations
APPROVED

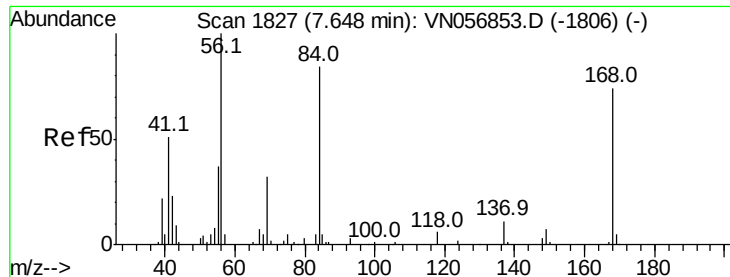
MMDadoda
7/25/2019 3:01:33 PM



#30
Chloroform
Concen: 47.378 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.3	78.5





#31

Cyclohexane

Concen: 48.664 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

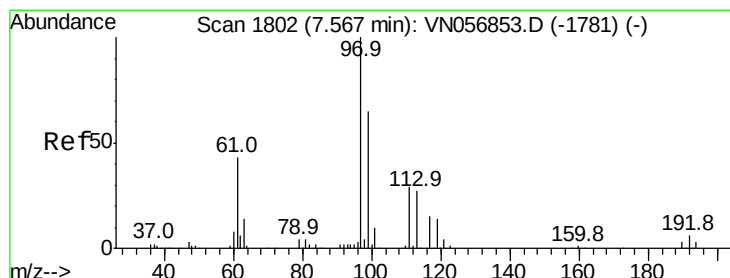
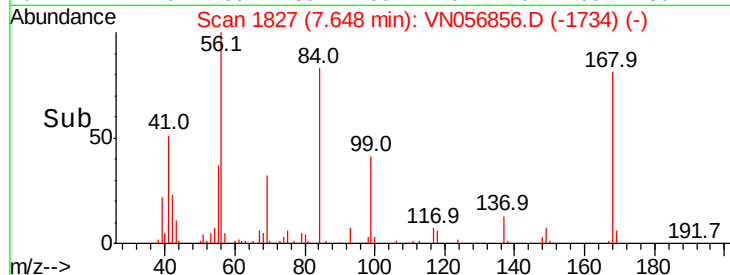
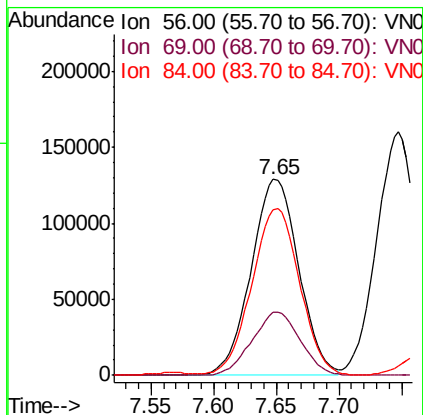
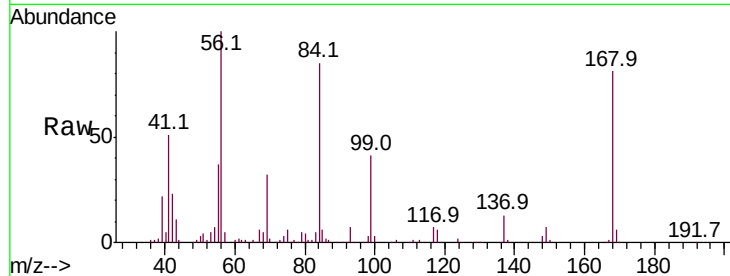
ClientSampled :

ICVVN072219

Tot Ion:	56	Resp:	340586
Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.5	38.3
84	83.7	67.3	100.9

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:33 PM



#32

1,1,1-Trichloroethane

Concen: 49.264 ug/l

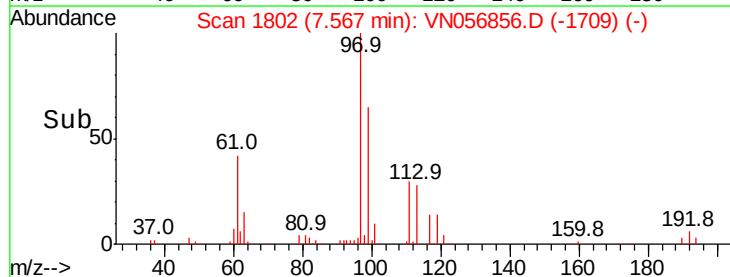
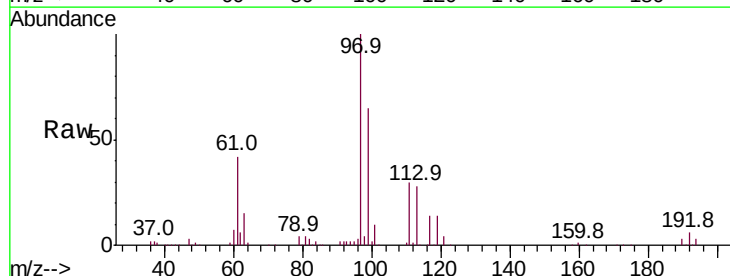
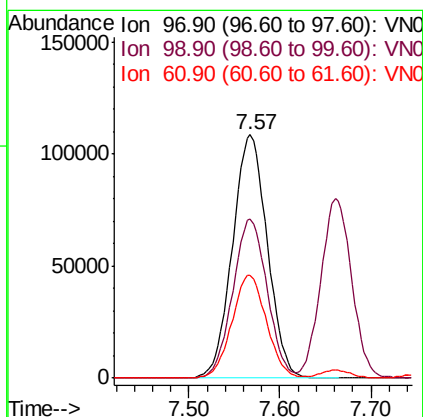
RT: 7.57 min Scan# 1802

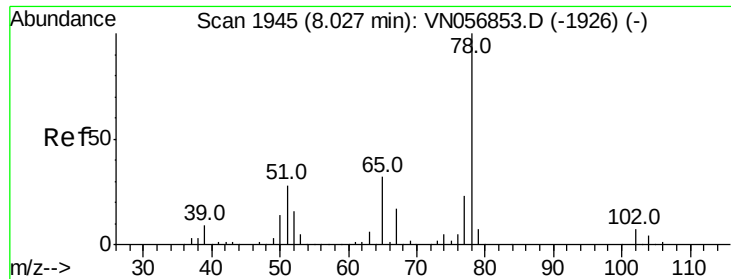
Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Tgt Ion:	97	Resp:	288204
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.1	78.1
61	42.1	34.0	51.0





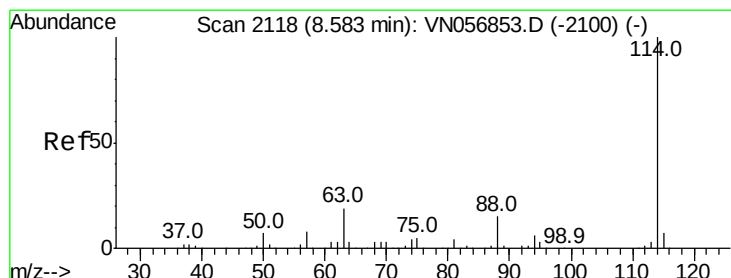
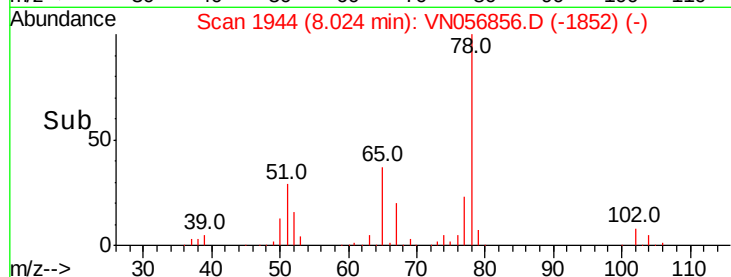
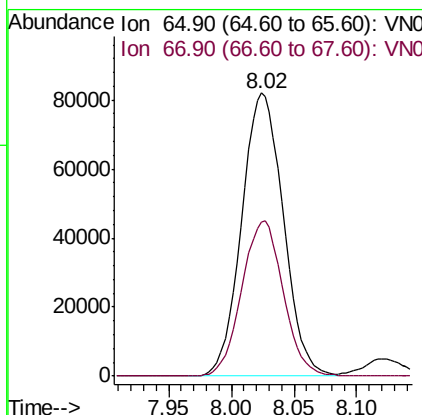
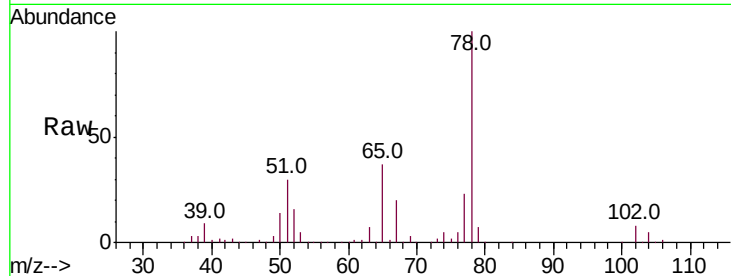
#33
 1,2-Dichloroethane-d4
 Concen: 45.954 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072219

Tot Ion	Ratio	Resp	Lower	Upper
65	100	189215		
67	54.7	0.0	108.6	

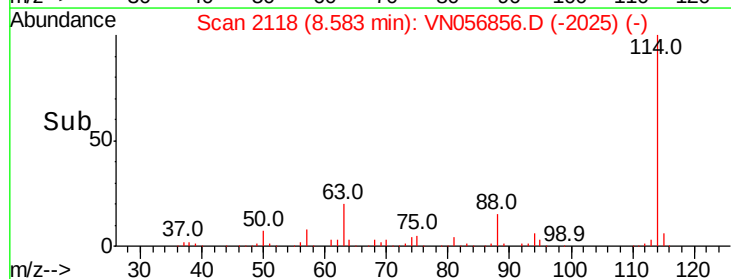
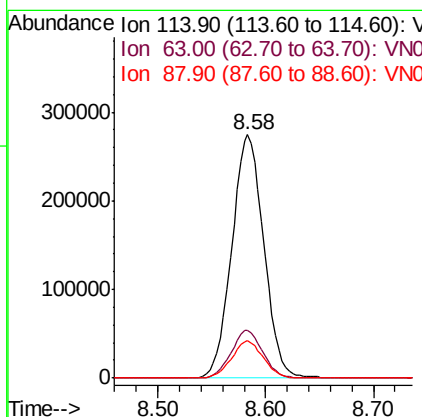
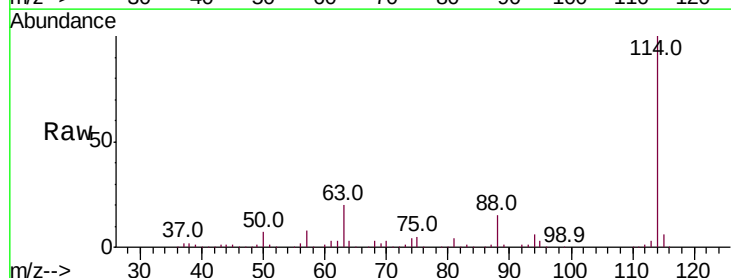
Manual Integrations
 APPROVED

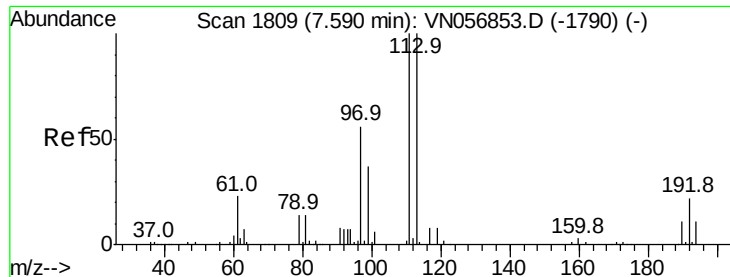
MMDadoda
 7/25/2019 3:01:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	565805		
63	19.6	0.0	37.8	
88	15.2	0.0	31.0	





#35

Dibromofluoromethane

Concen: 47.280 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

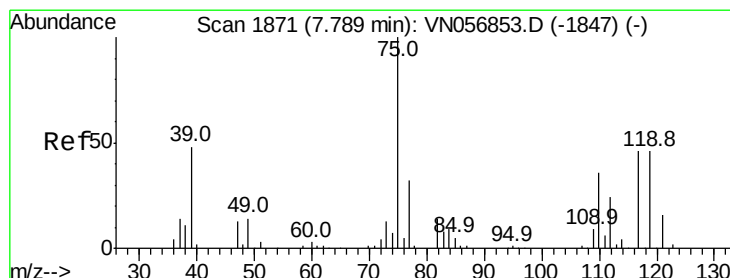
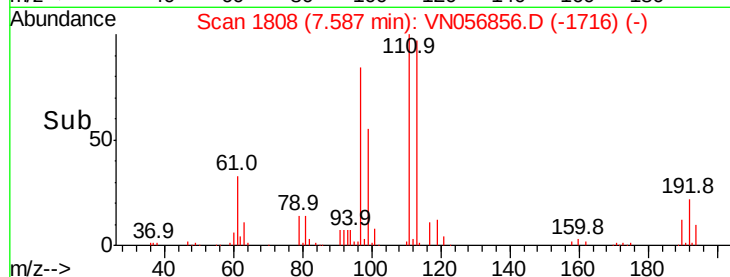
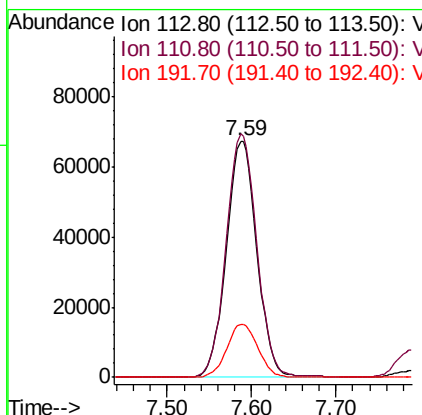
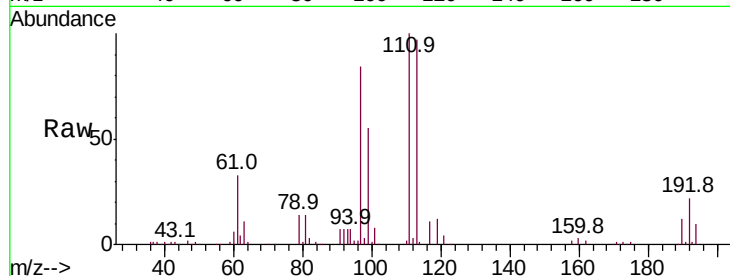
ClientSampled :

ICVVN072219

Tot Ion:	113	Resp:	169558
Ion Ratio	Lower	Upper	
113	100		
111	103.7	81.9	122.9
192	22.9	18.5	27.7

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:33 PM



#36

1,1-Dichloropropene

Concen: 51.619 ug/l

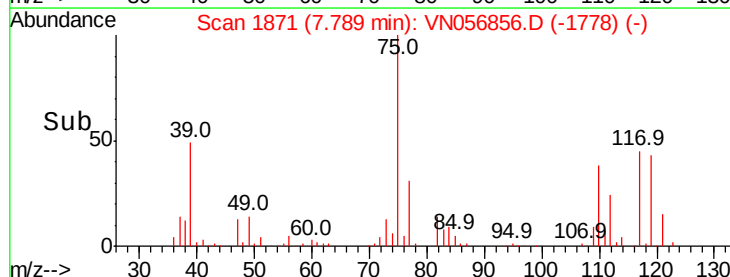
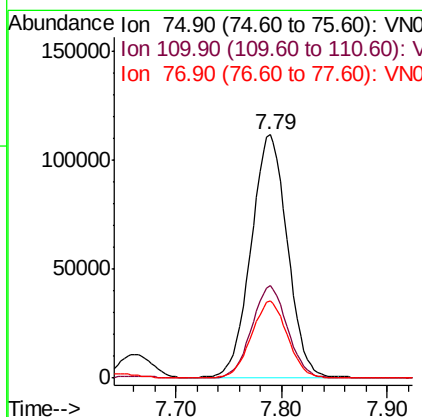
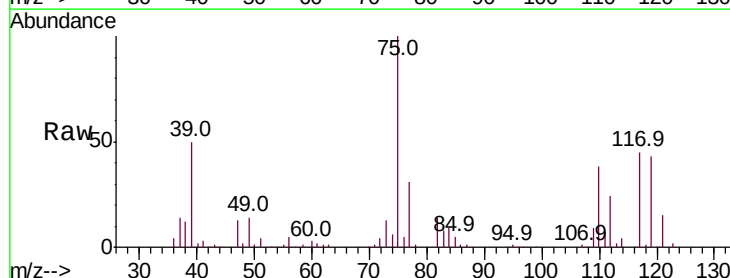
RT: 7.79 min Scan# 1871

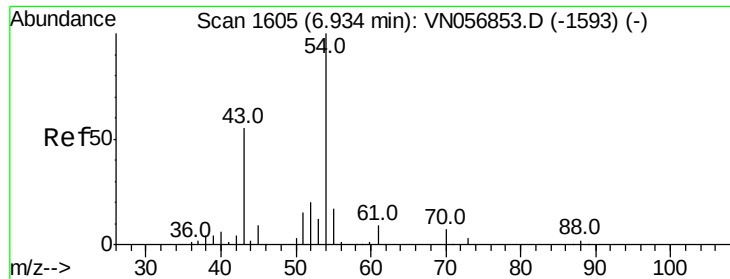
Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Tgt Ion:	75	Resp:	269341
Ion Ratio	Lower	Upper	
75	100		
110	37.0	17.9	53.7
77	31.3	25.0	37.6





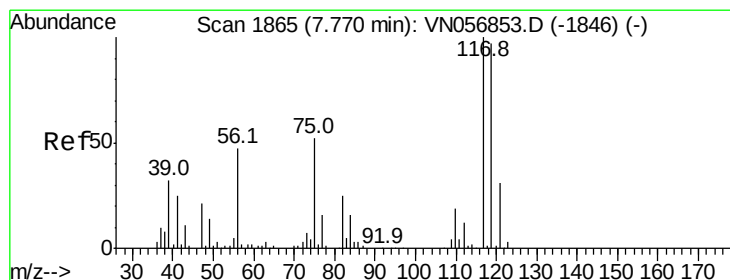
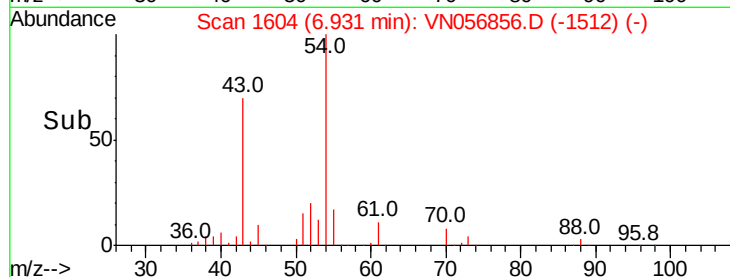
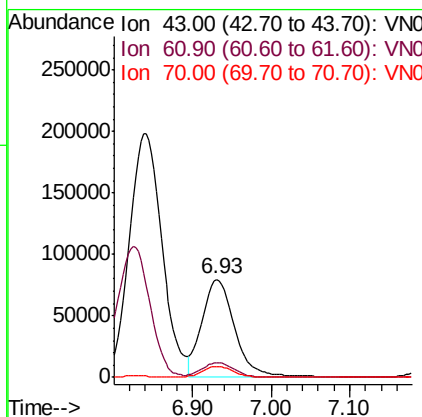
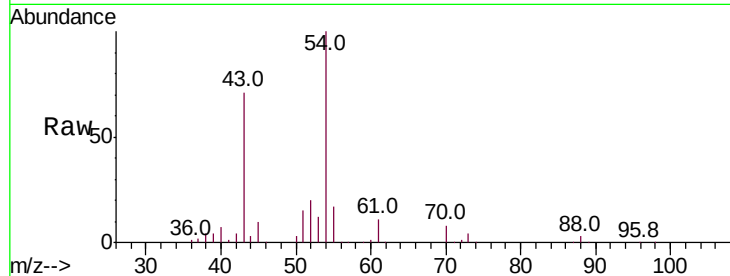
#37
Ethyl Acetate
Concen: 53.353 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampled :
ICVVN072219

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.8
70	10.8	8.6	13.0

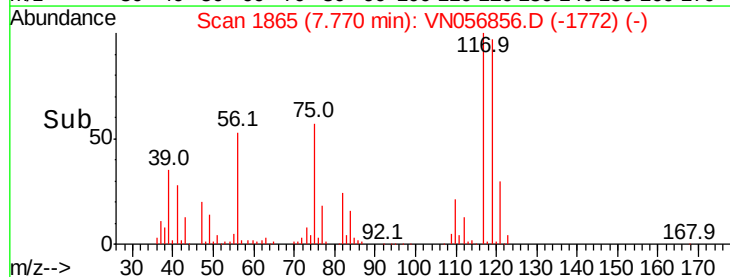
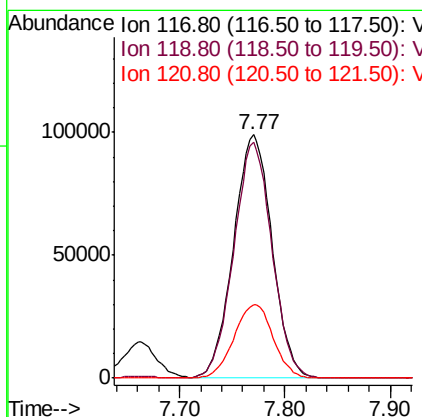
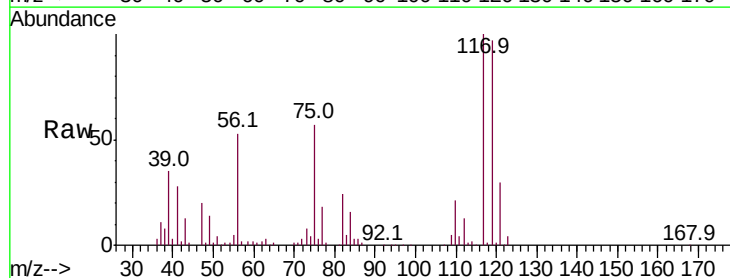
Manual Integrations
APPROVED

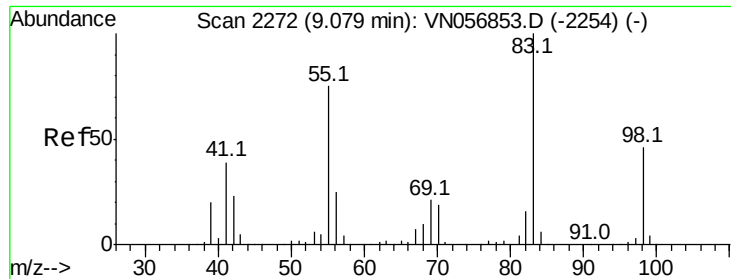
MMDadoda
7/25/2019 3:01:33 PM



#38
Carbon Tetrachloride
Concen: 50.533 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.2	115.8
121	30.0	24.5	36.7





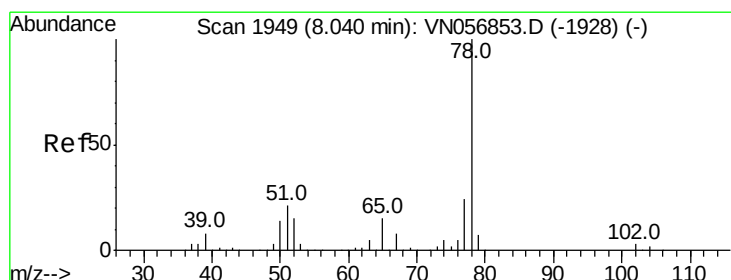
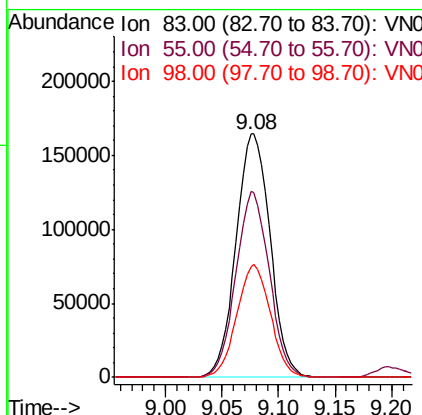
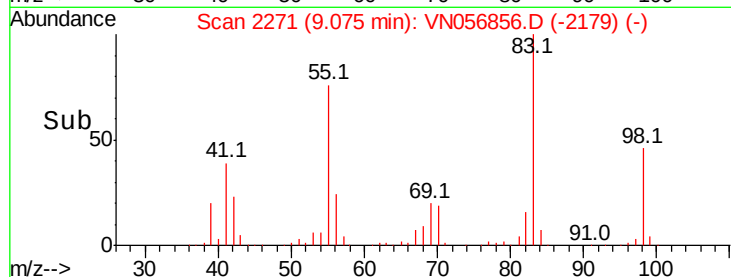
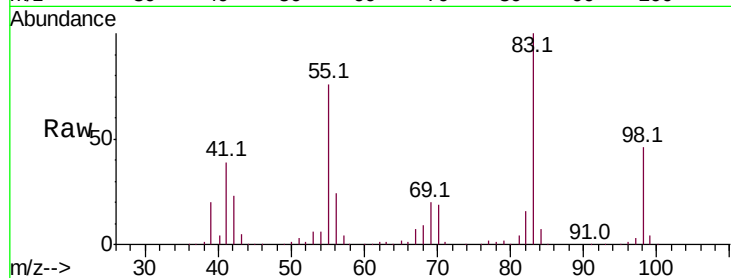
#39
Methvlcvclohexane
Concen: 53.005 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	59.8	89.8
98	45.6	37.1	55.7

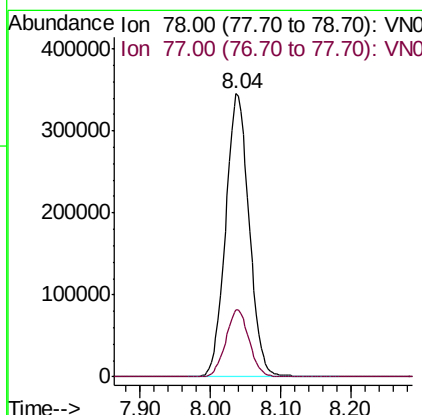
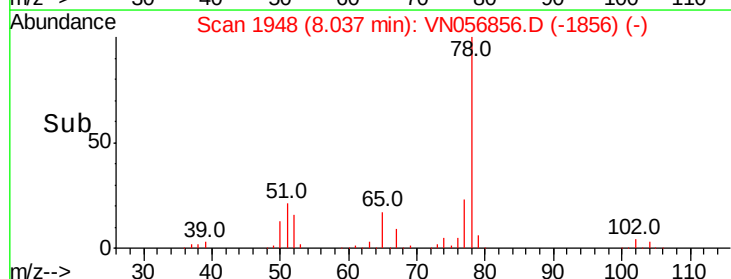
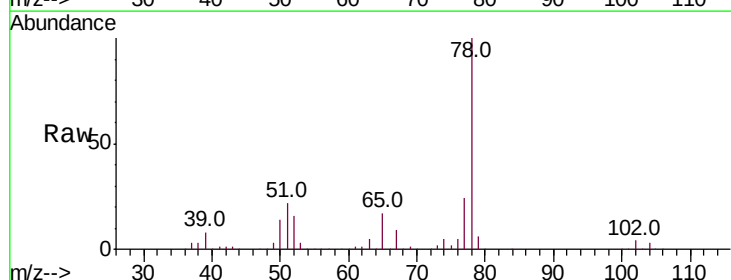
Manual Integrations
APPROVED

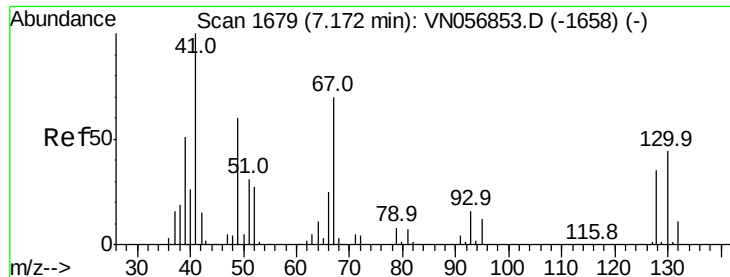
MMDadoda
7/25/2019 3:01:33 PM



#40
Benzene
Concen: 49.704 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





#41

Methacrylonitrile

Concen: 54.603 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampled :

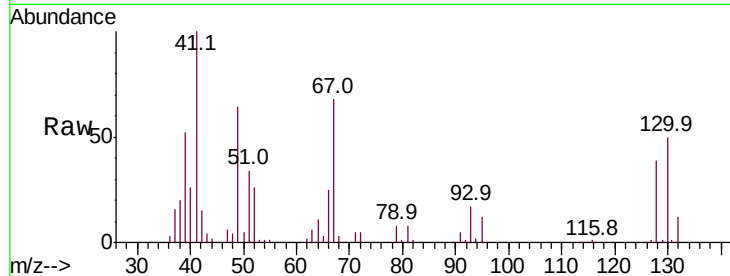
ICVFN072219

Tot Ion: 41 Resp: 114077
Ion Ratio Lower Upper

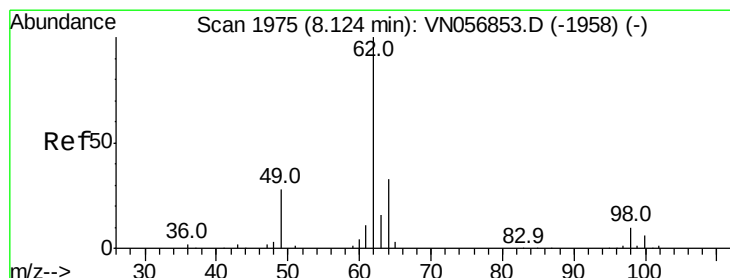
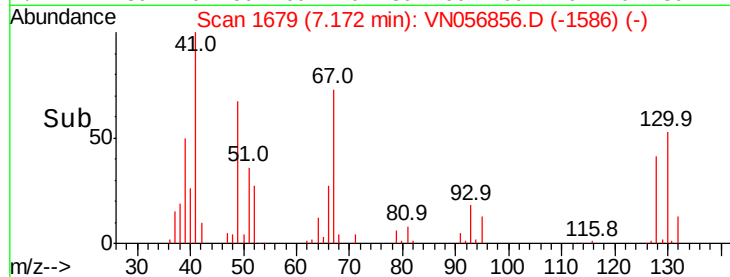
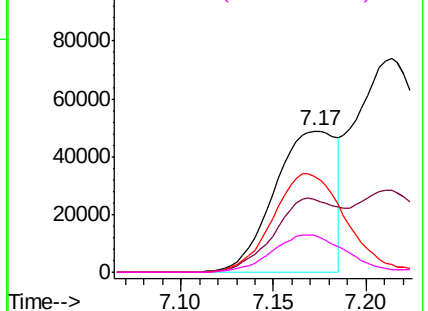
41	100		
39	54.6	44.0	66.0
67	82.5	73.5	110.3
52	32.2	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:33 PM



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 49.439 ug/l

RT: 8.12 min Scan# 1975

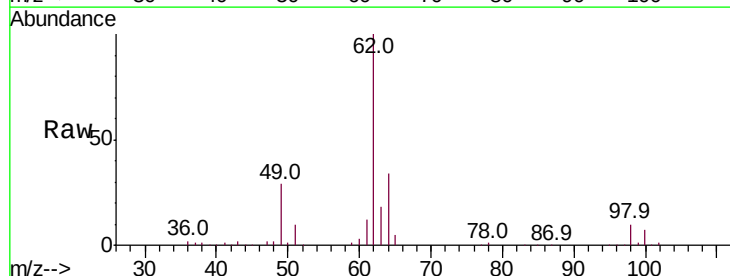
Delta R.T. 0.00 min

Lab File: VN056856.D

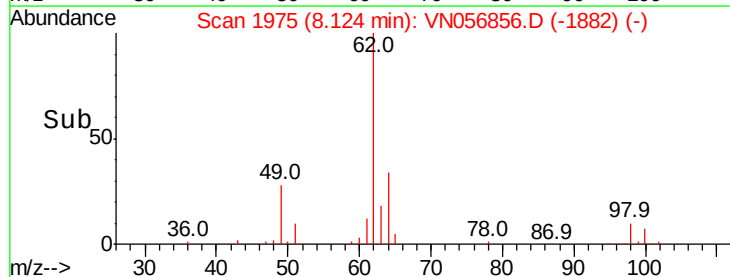
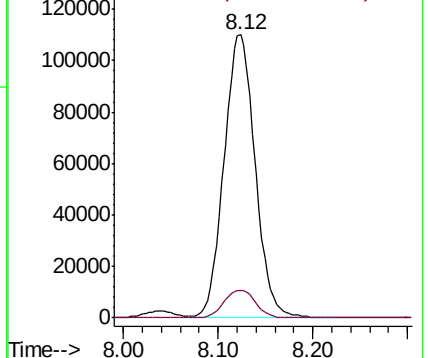
Acq: 22 Jul 2019 15:36

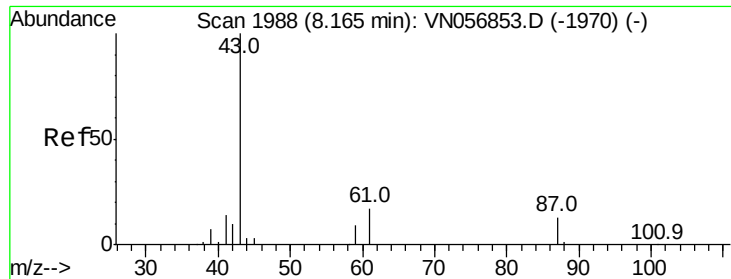
Tgt Ion: 62 Resp: 250372
Ion Ratio Lower Upper

62	100		
98	10.0	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 50.606 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

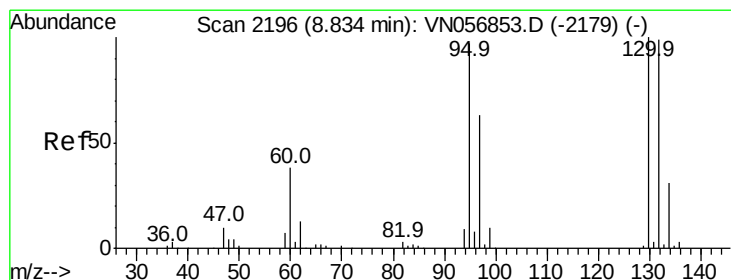
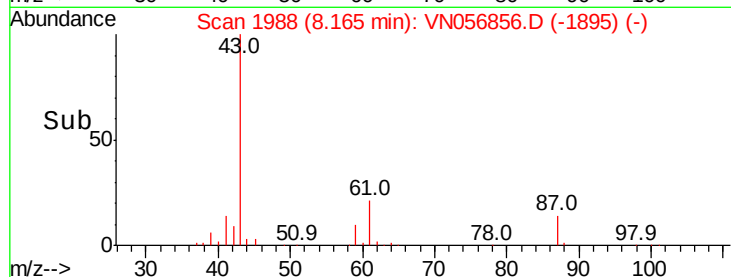
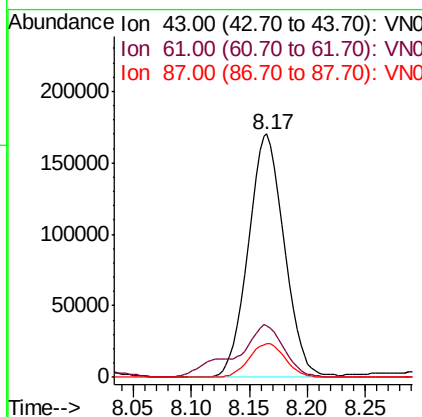
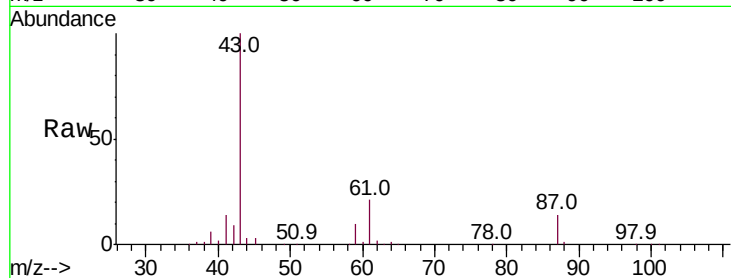
ClientSampleId :

ICVVN072219

Tot Ion:	43	Resp:	366065
Ion Ratio	Lower	Upper	
43	100		
61	28.8	17.8	26.6#
87	14.1	11.0	16.4

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:33 PM



#44

Trichloroethene

Concen: 50.814 ug/l

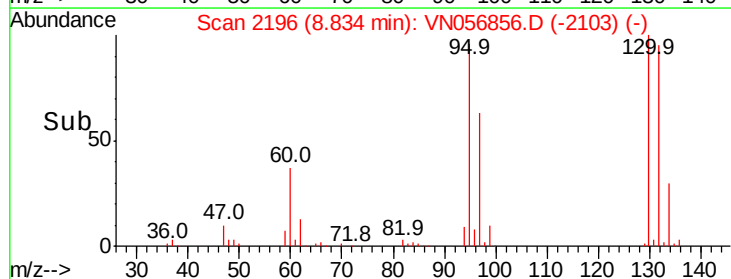
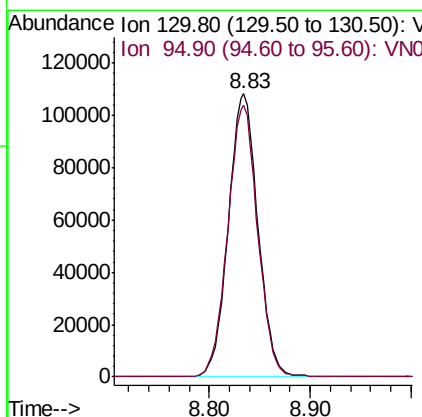
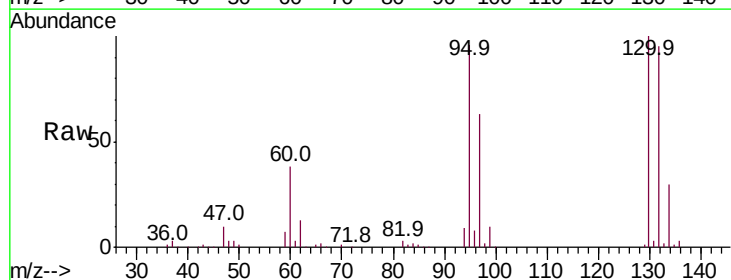
RT: 8.83 min Scan# 2196

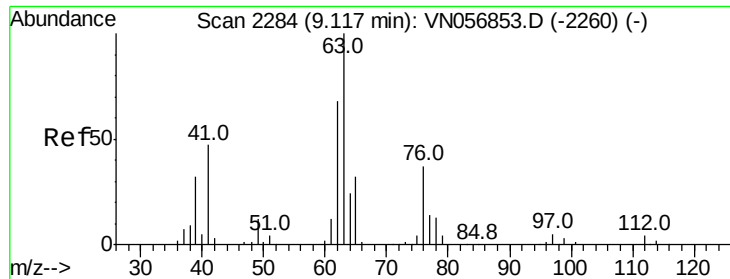
Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Tgt Ion:	130	Resp:	220582
Ion Ratio	Lower	Upper	
130	100		
95	96.1	0.0	194.0





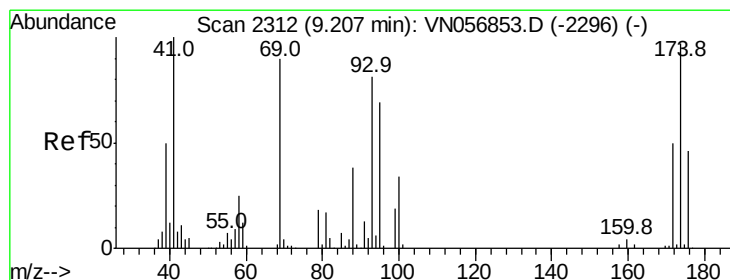
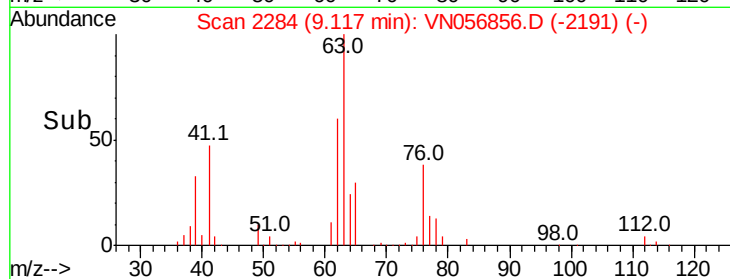
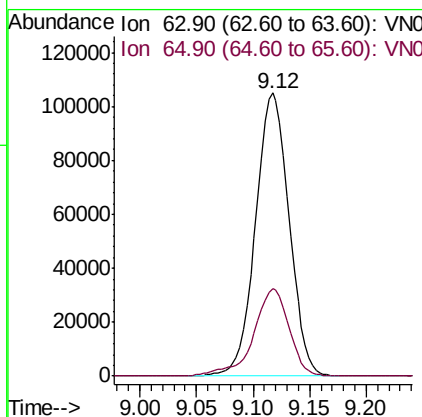
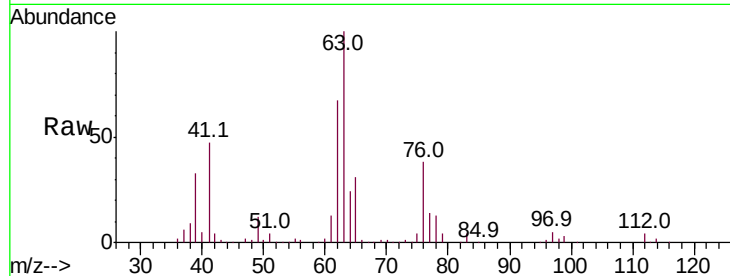
#45
 1,2-Dichloropropane
 Concen: 49.629 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072219

Tot Ion: 63 Resp: 21692
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.4 38.0

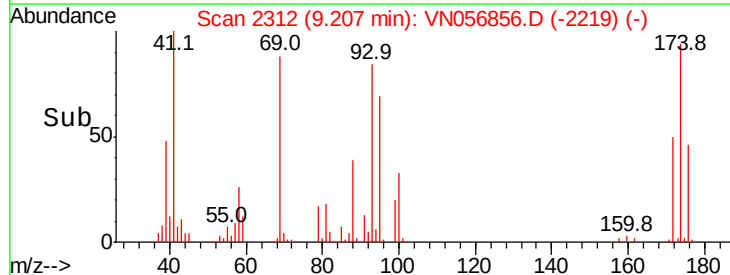
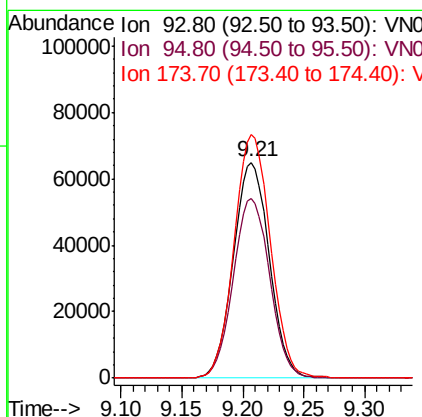
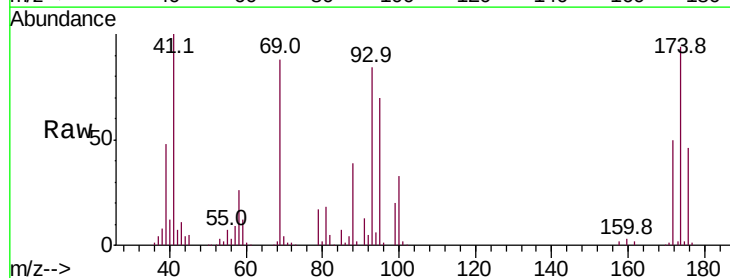
Manual Integrations
 APPROVED

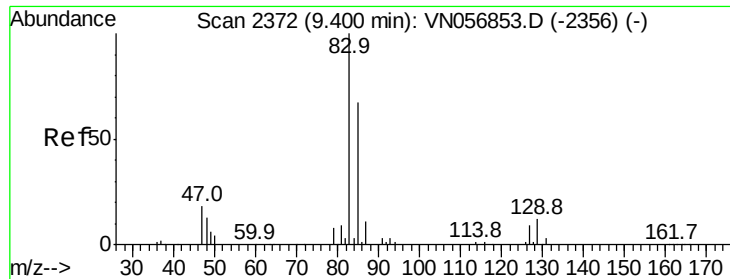
MMDadoda
 7/25/2019 3:01:33 PM



#46
 Dibromomethane
 Concen: 49.353 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Tgt Ion: 93 Resp: 133006
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.4 101.0
 174 114.0 92.9 139.3





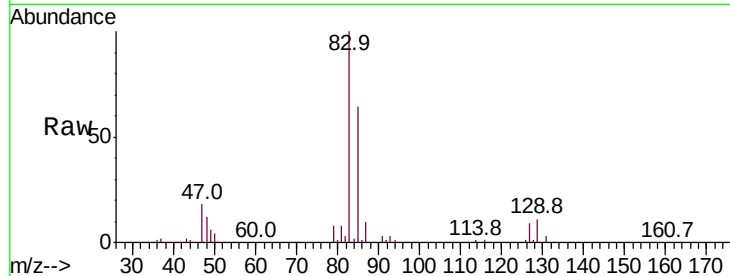
#47
Bromodichloromethane
Concen: 51.136 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

Tot Ion	Ratio	Resp	Lower	Upper
83	100	259166		
85	63.9		53.4	80.2
127	9.1		7.2	10.8

Manual Integrations
APPROVED

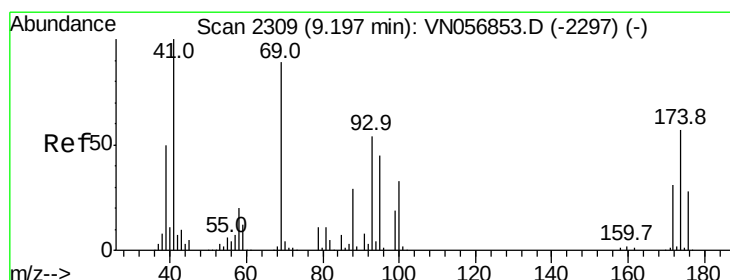
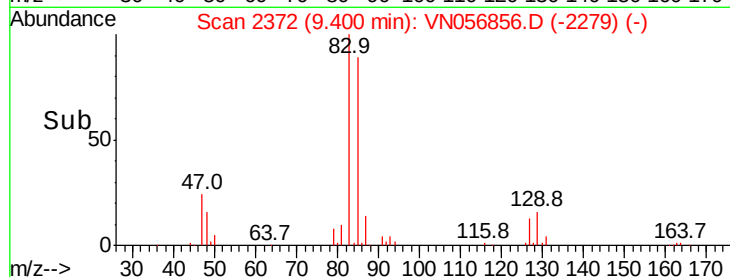
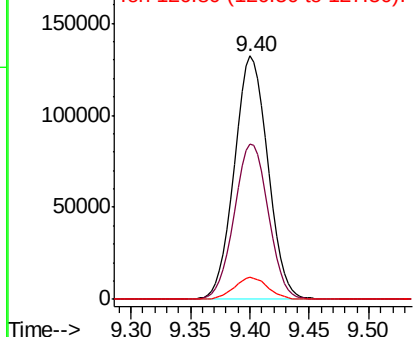
MMDadoda
7/25/2019 3:01:33 PM



Abundance Ion 82.90 (82.60 to 83.60): VN056856.D (-2279) (-)

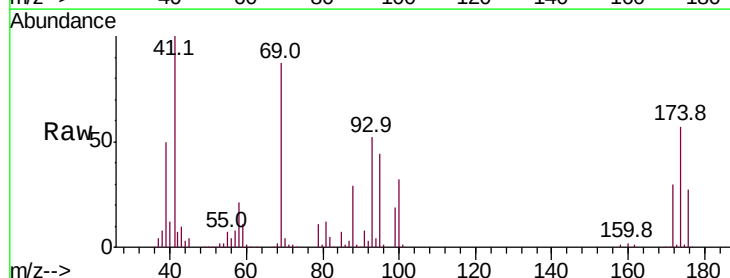
Ion 84.90 (84.60 to 85.60): VN056856.D (-2279) (-)

Ion 126.80 (126.50 to 127.50): VN056856.D (-2279) (-)



#48
Methyl methacrylate
Concen: 50.258 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

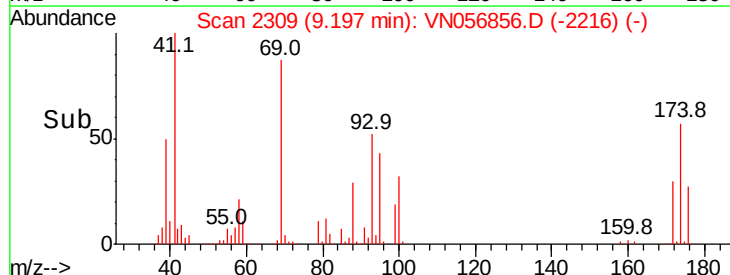
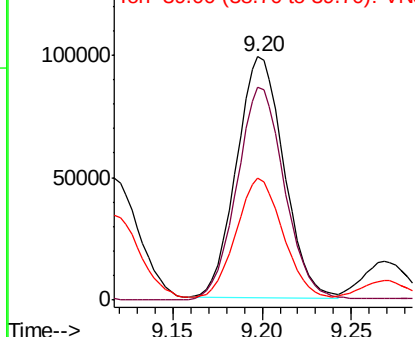
Tgt Ion	Ratio	Resp	Lower	Upper
41	100	181865		
69	89.5		71.1	106.7
39	50.7		40.6	60.8

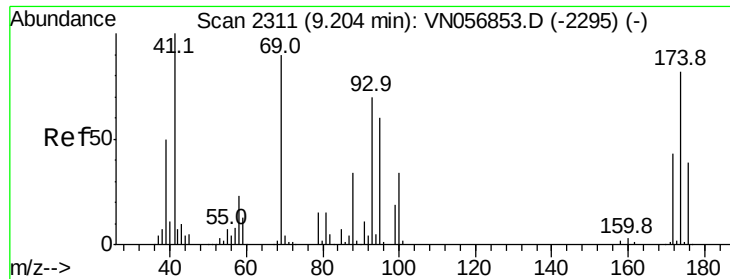


Abundance Ion 41.00 (40.70 to 41.70): VN056856.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056856.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056856.D (-2216) (-)





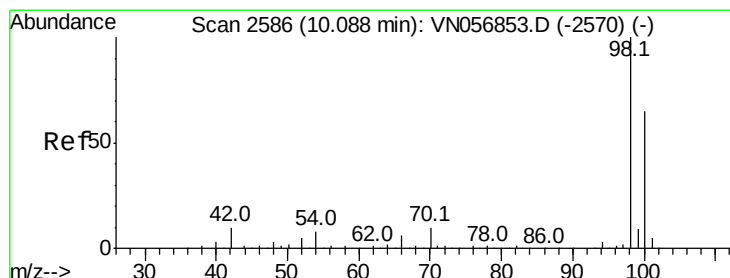
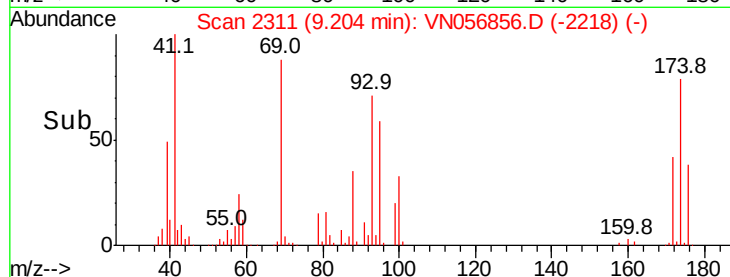
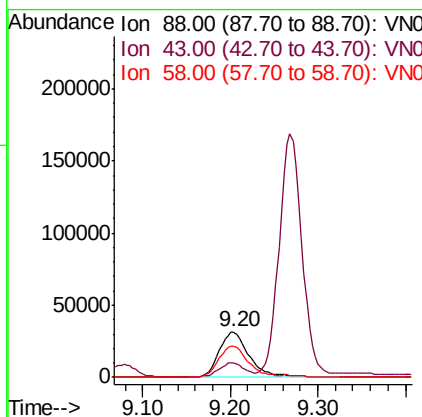
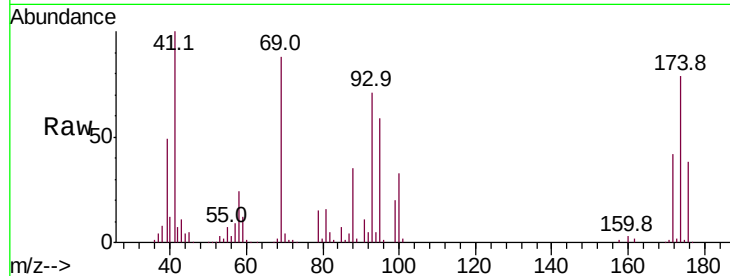
#49
1,4-Dioxane
Concen: 1070.826 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.1	21.4	32.2
58	67.2	55.7	83.5

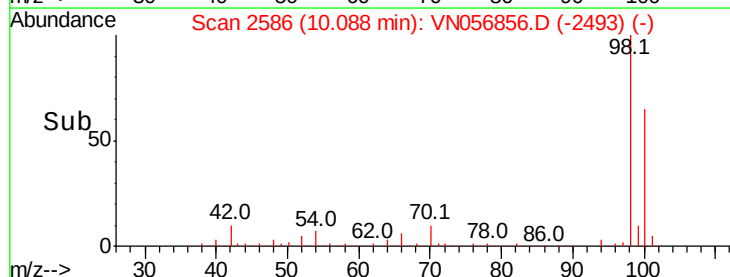
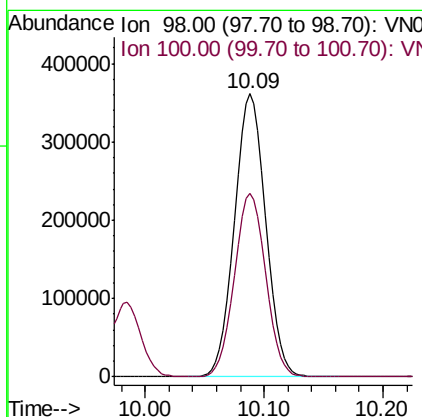
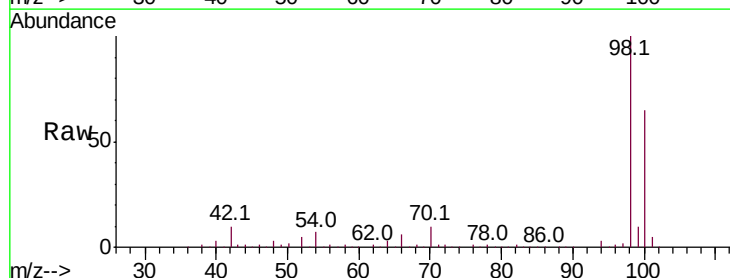
Manual Integrations
APPROVED

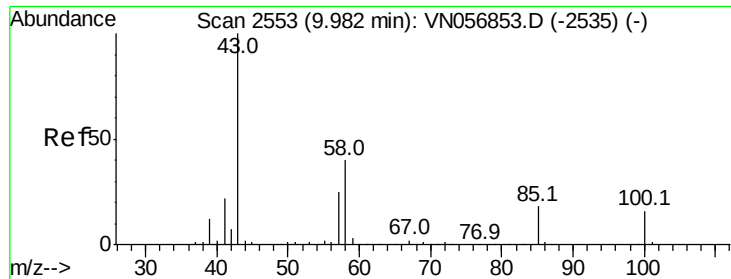
MMDadoda
7/25/2019 3:01:33 PM



#50
Toluene-d8
Concen: 48.021 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 257.566 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Tot Ion: 43 Resp: 1111041

Ion Ratio Lower Upper

43 100

58 40.6 32.4 48.6

Instrument :

MSVOA_N

ClientSampleId :

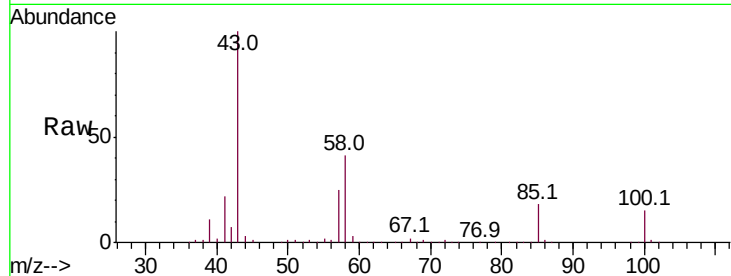
ICVVN072219

Manual Integrations

APPROVED

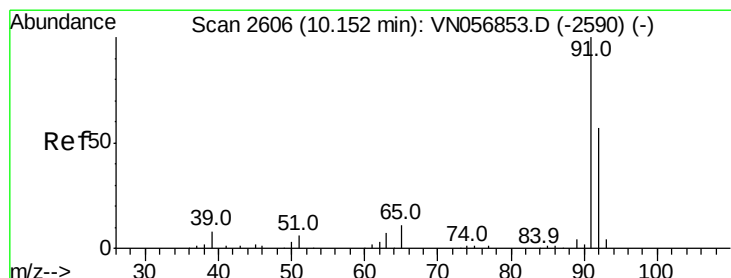
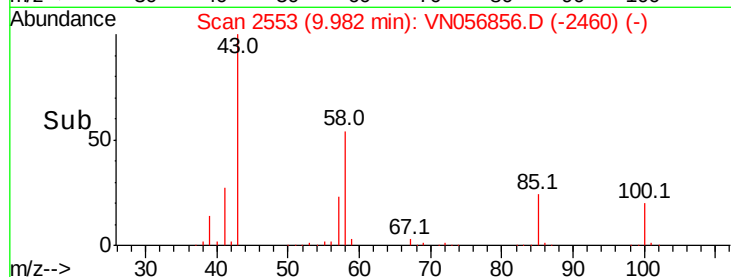
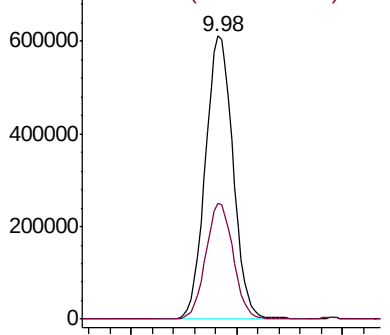
MMDadoda

7/25/2019 3:01:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 58.00 (57.70 to 58.70): VNC



#52

Toluene

Concen: 51.935 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056856.D

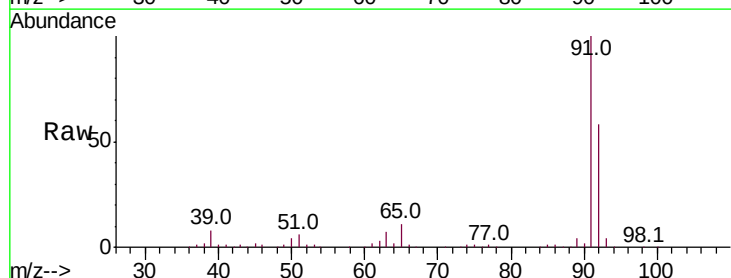
Acq: 22 Jul 2019 15:36

Tgt Ion: 92 Resp: 506528

Ion Ratio Lower Upper

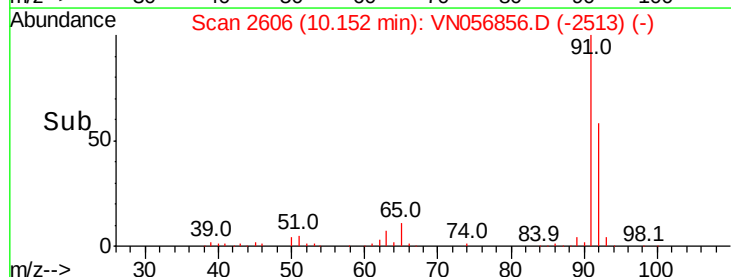
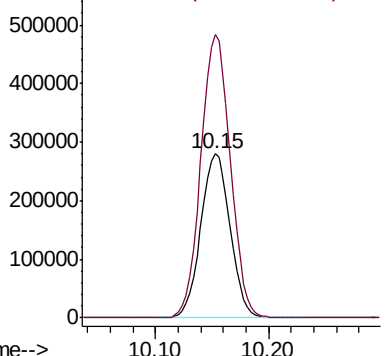
92 100

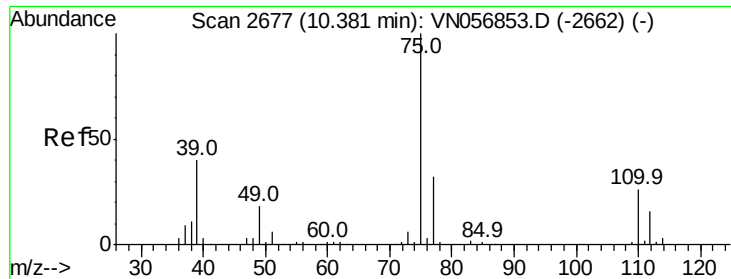
91 173.3 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VNC

Ion 91.00 (90.70 to 91.70): VNC





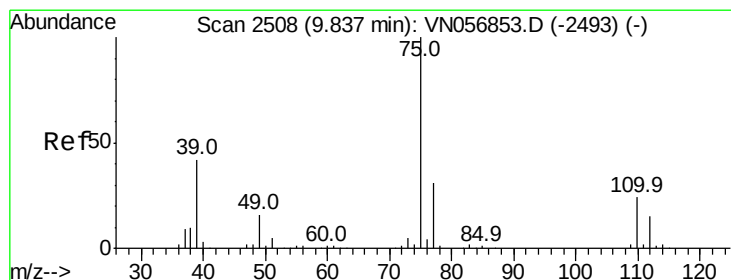
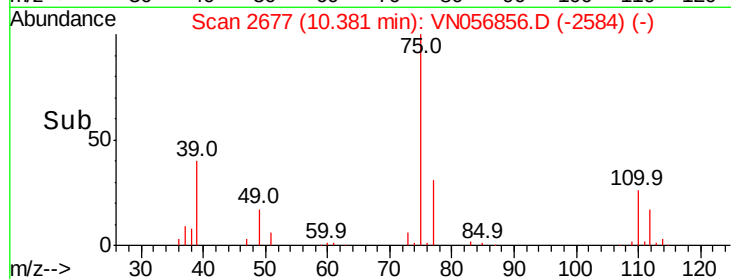
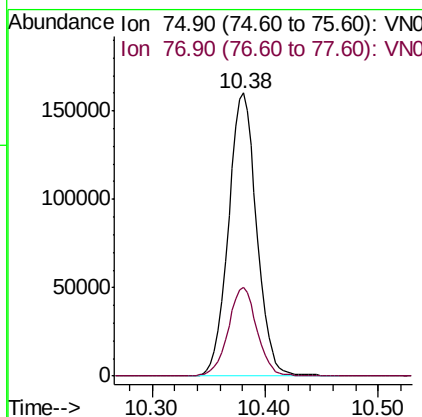
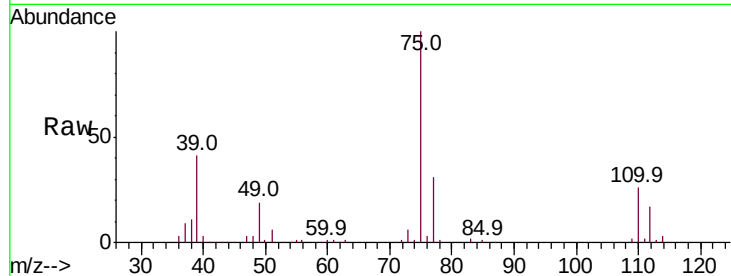
#53
t-1,3-Dichloropropene
Concen: 53.403 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

Tot Ion: 75 Resp: 277781
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.2

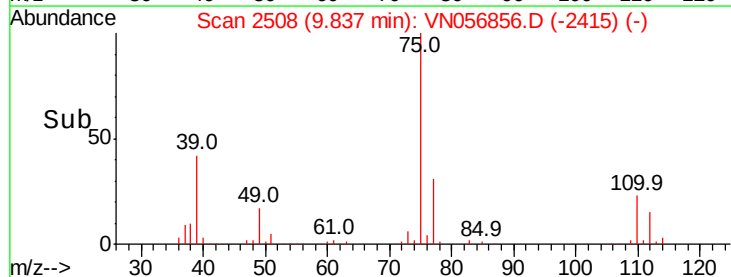
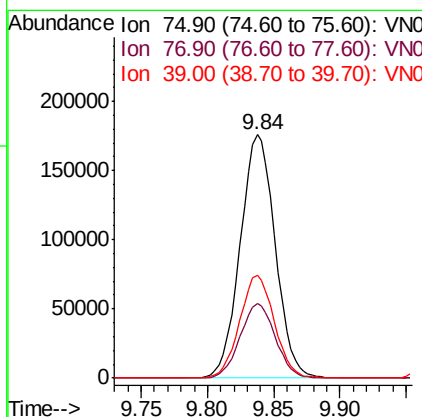
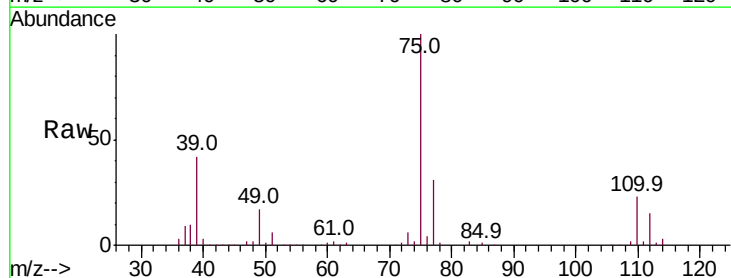
Manual Integrations
APPROVED

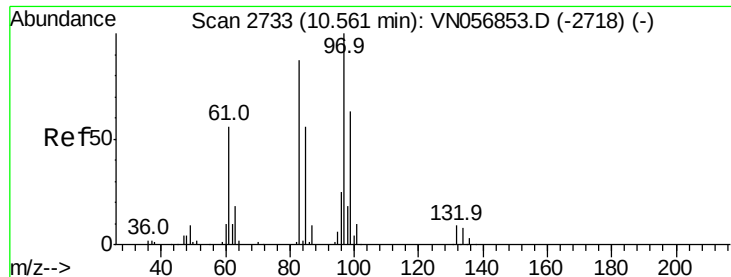
MMDadoda
7/25/2019 3:01:33 PM



#54
cis-1,3-Dichloropropene
Concen: 52.564 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 75 Resp: 322343
Ion Ratio Lower Upper
75 100
77 30.6 25.1 37.7
39 42.2 33.4 50.2





#55

1,1,2-Trichloroethane

Concen: 49.804 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

Tot Ion: 97 Resp: 192796

Ion Ratio Lower Upper

97 100

83 87.3 70.0 105.0

85 57.2 45.1 67.7

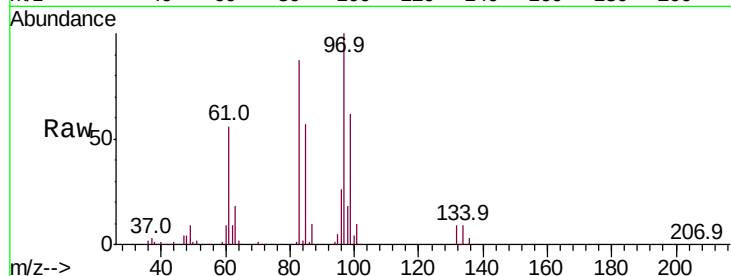
99 62.5 50.2 75.4

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:33 PM

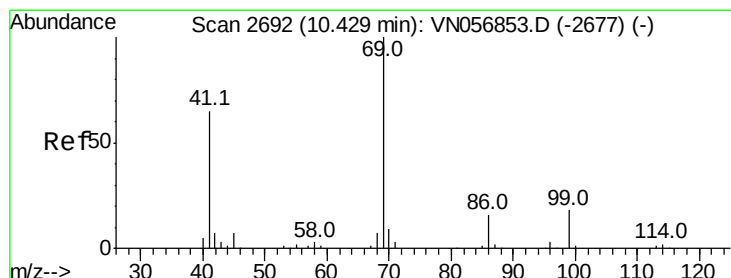
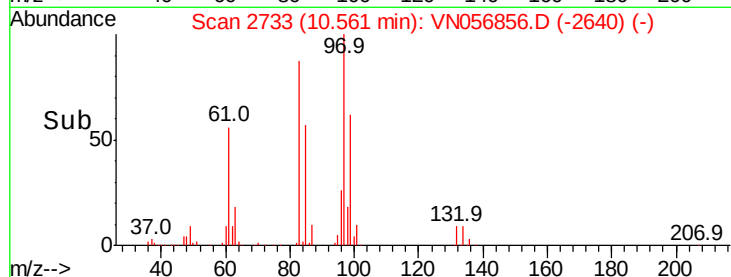
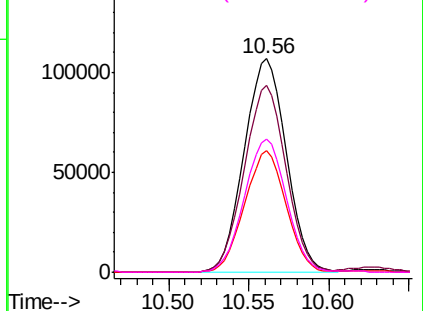


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 54.172 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

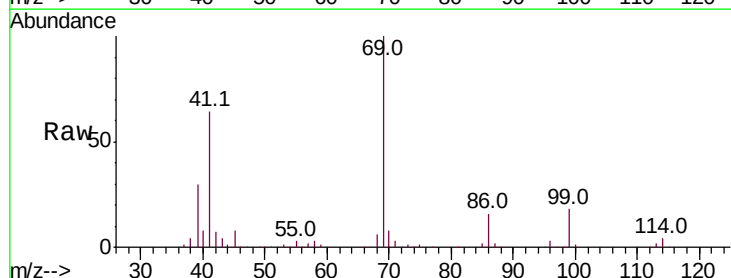
Tgt Ion: 69 Resp: 291112

Ion Ratio Lower Upper

69 100

41 62.6 51.0 76.6

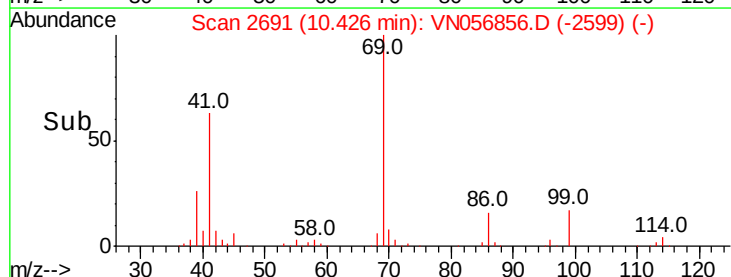
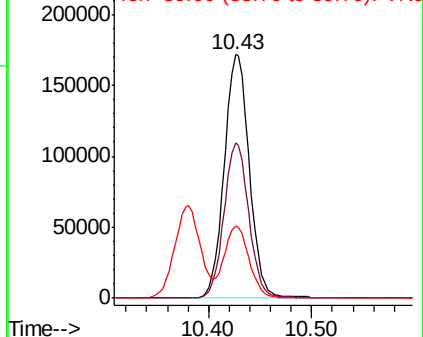
39 29.6 24.5 36.7

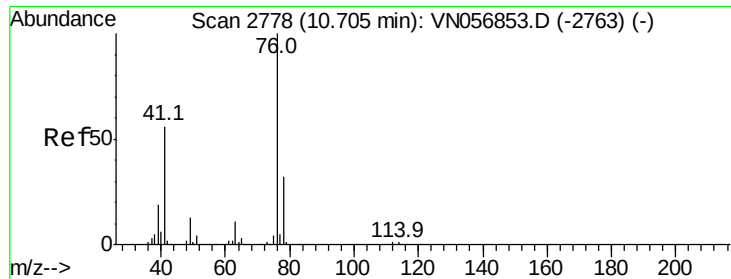


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





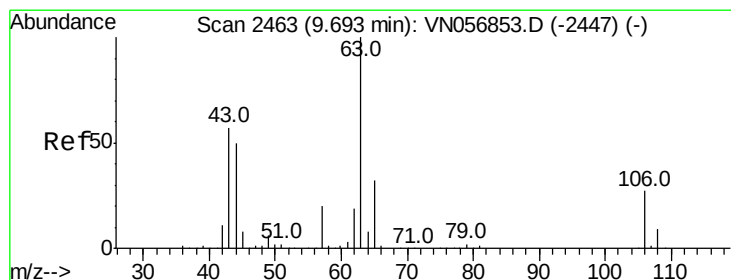
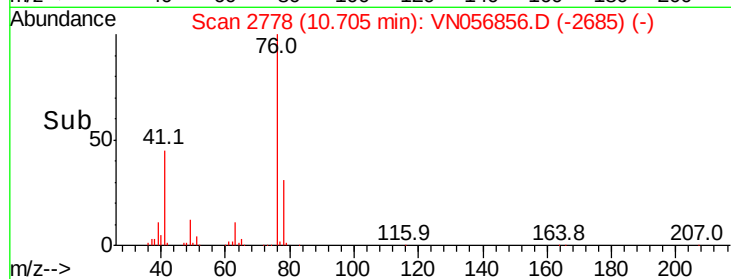
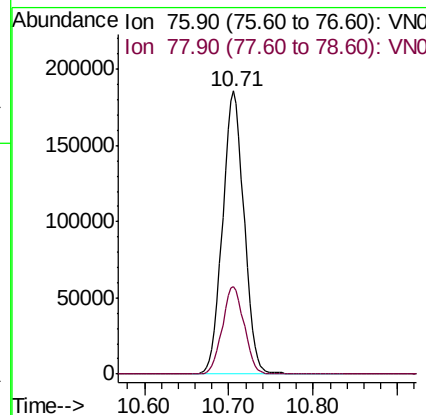
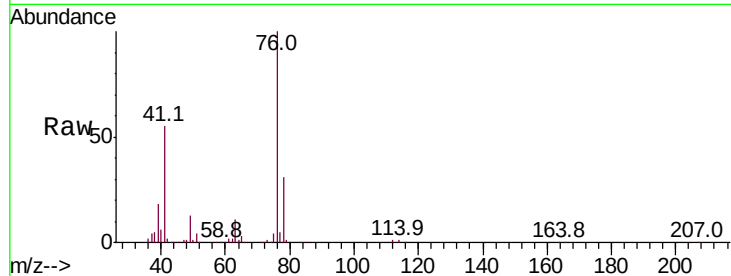
#57
 1,3-Dichloropropane
 Concen: 51.298 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072219

Tot Ion: 76 Resp: 328704
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6

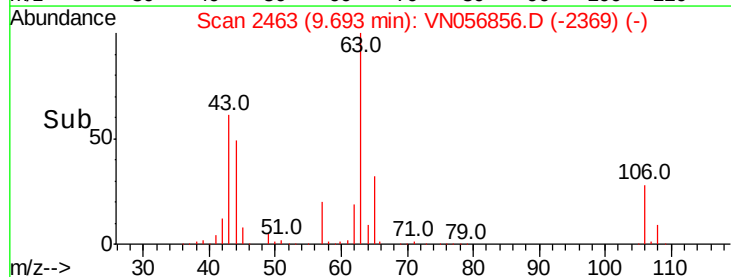
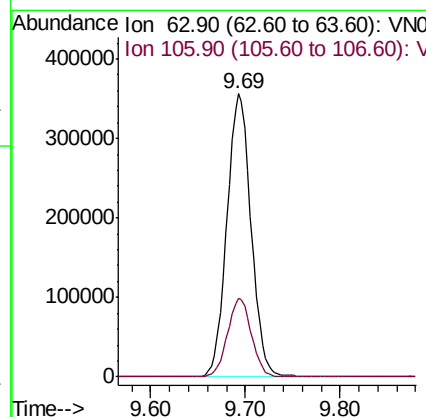
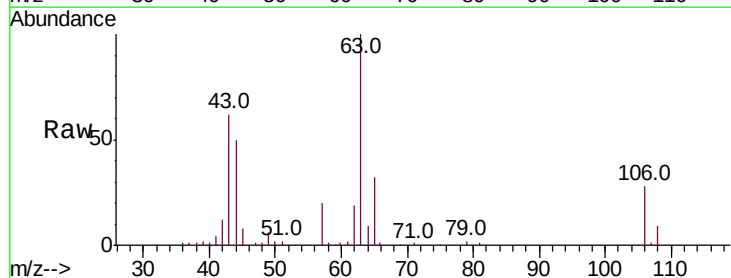
Manual Integrations
 APPROVED

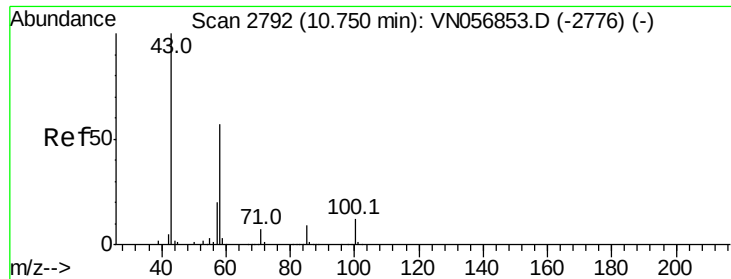
MMDadoda
 7/25/2019 3:01:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.462 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Tgt Ion: 63 Resp: 631167
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.8 32.8





#59

2-Hexanone

Concen: 269.880 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

Tot Ion: 43 Resp: 805819

Ion Ratio Lower Upper

43 100

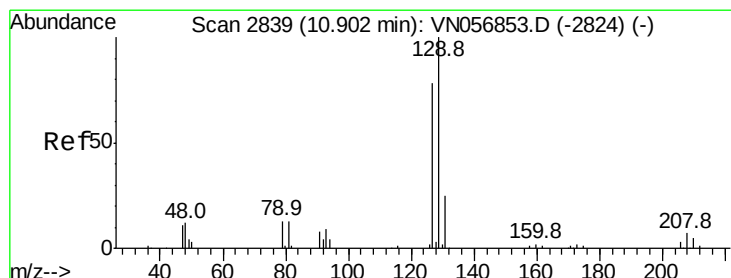
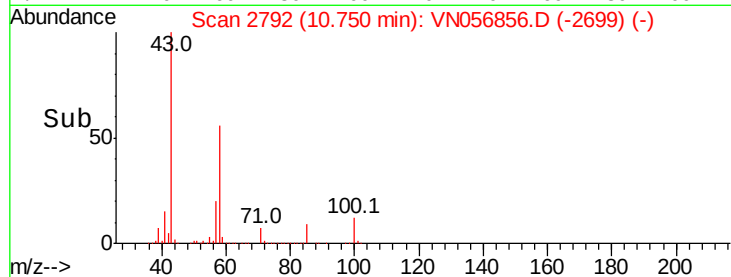
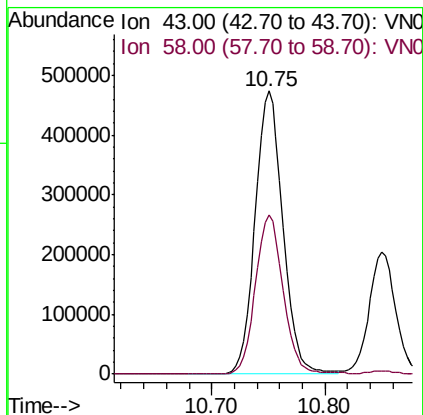
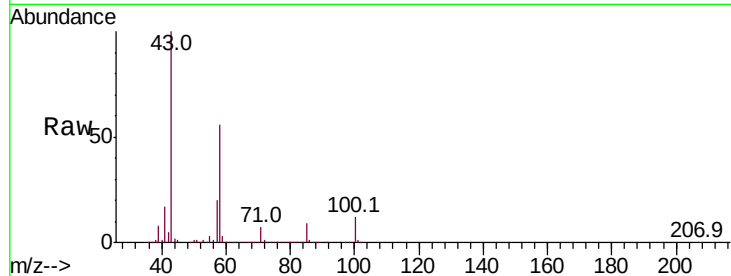
58 56.5 28.3 85.0

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:33 PM



#60

Dibromochloromethane

Concen: 52.532 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056856.D

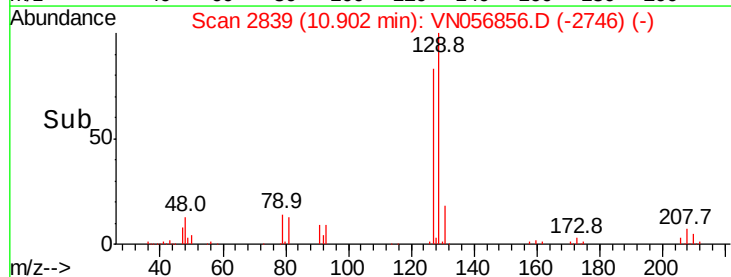
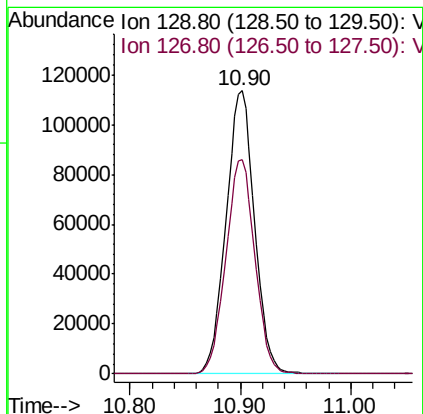
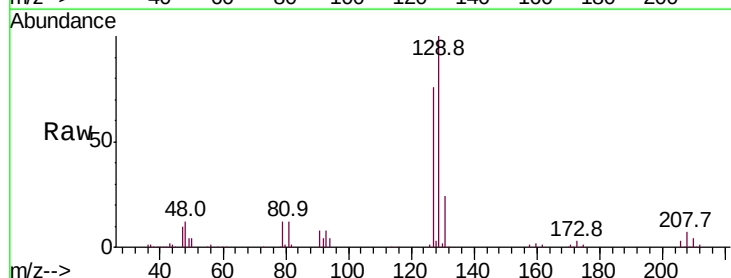
Acq: 22 Jul 2019 15:36

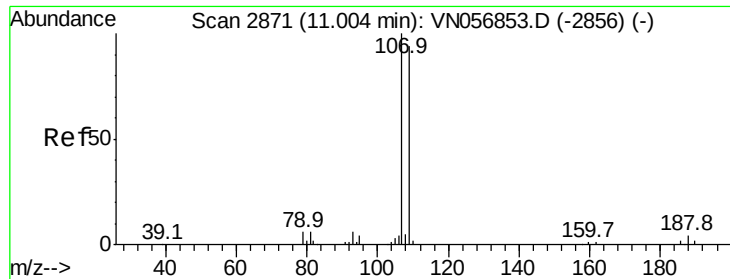
Tgt Ion: 129 Resp: 204060

Ion Ratio Lower Upper

129 100

127 76.9 38.5 115.5





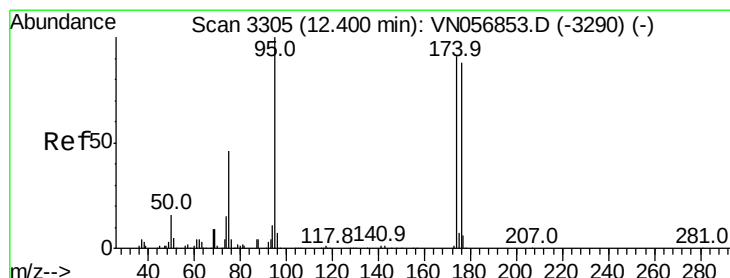
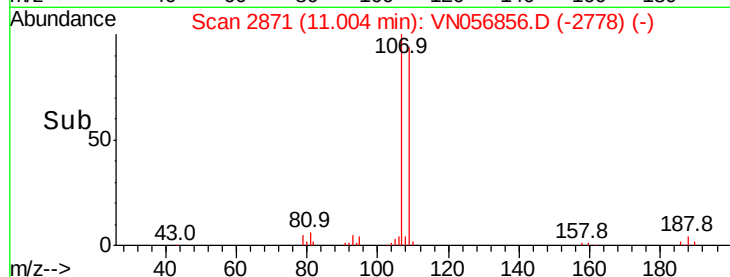
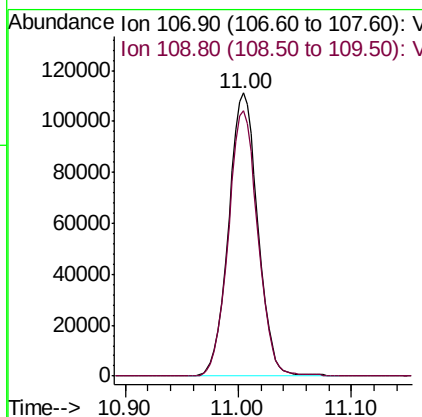
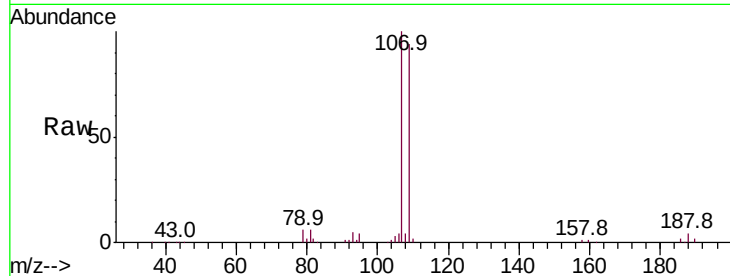
#61
 1,2-Dibromoethane
 Concen: 51.959 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072219

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.3	112.9

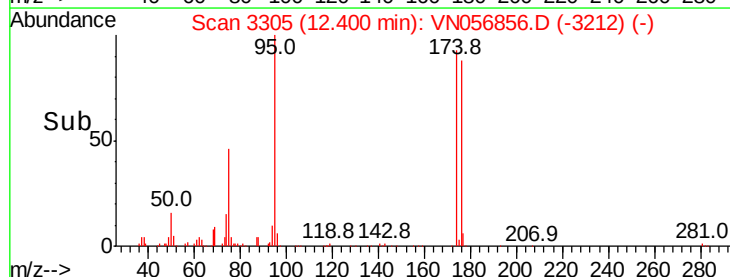
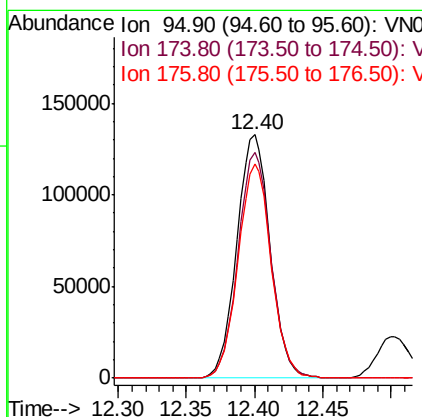
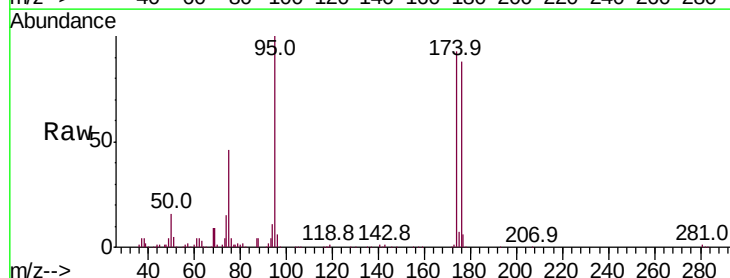
Manual Integrations
 APPROVED

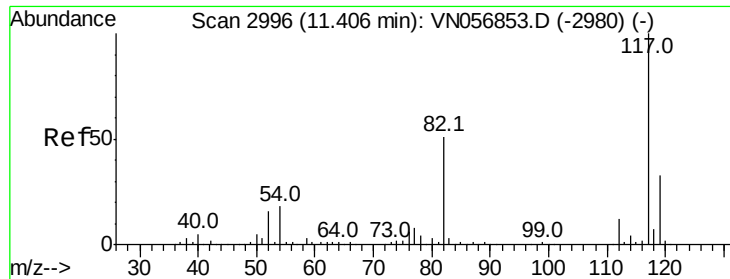
MMDadoda
 7/25/2019 3:01:33 PM



#62
 4-Bromofluorobenzene
 Concen: 50.178 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.7	0.0	183.4
176	87.5	0.0	175.8





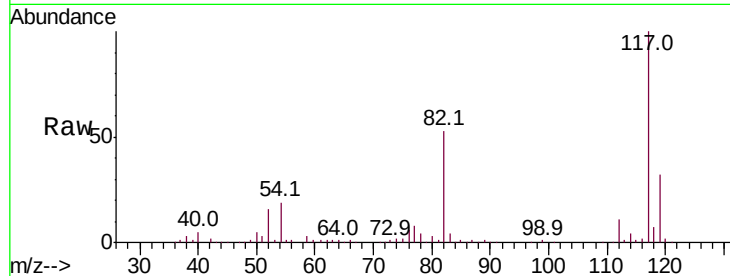
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	53.0	41.2	61.8	
119	32.5	26.4	39.6	

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:33 PM

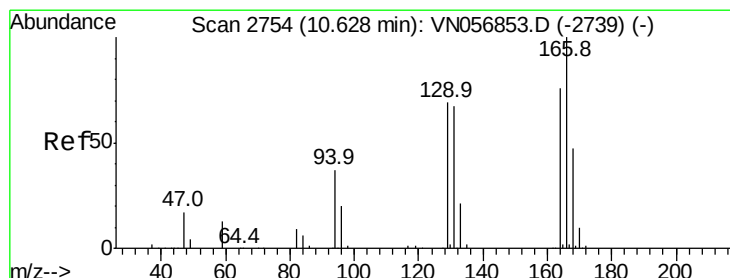
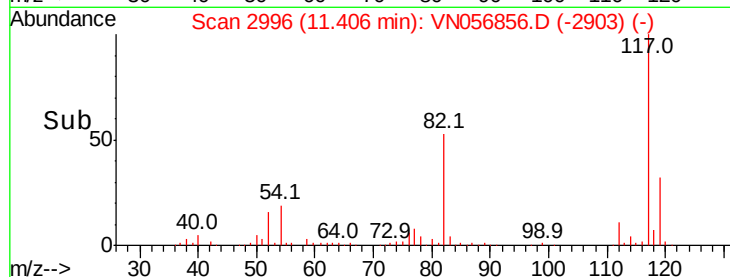
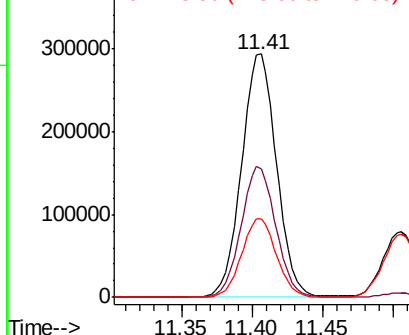


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 50.425 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	126.7	104.9	157.3	
129	91.4	72.8	109.2	
131	85.5	70.2	105.2	

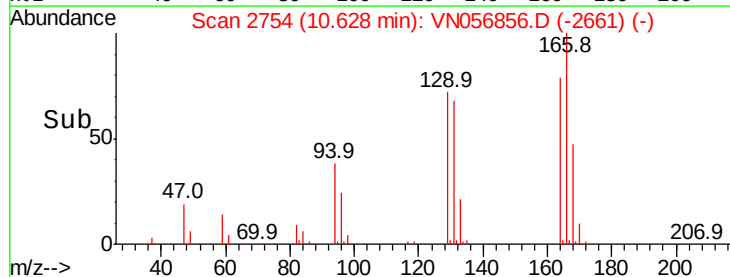
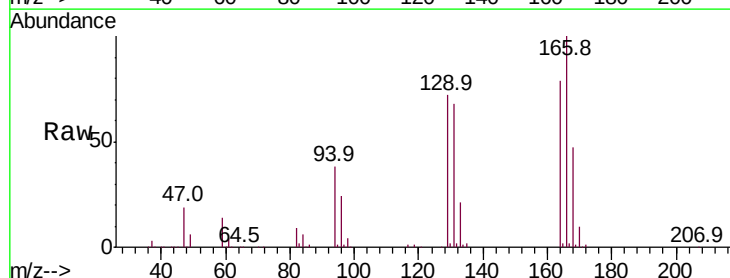
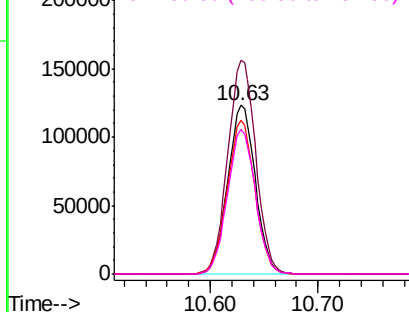
Abundance

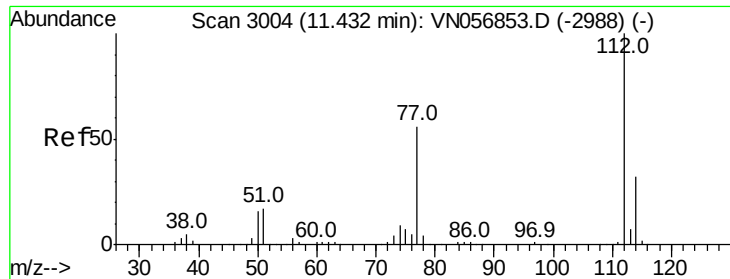
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





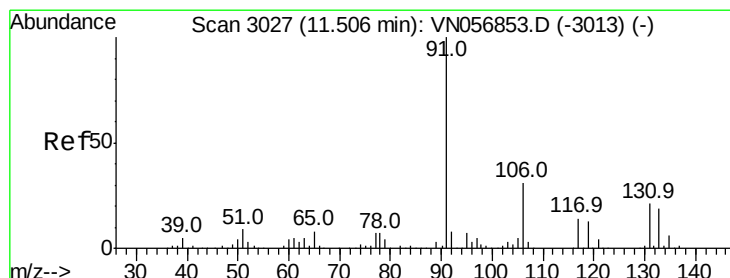
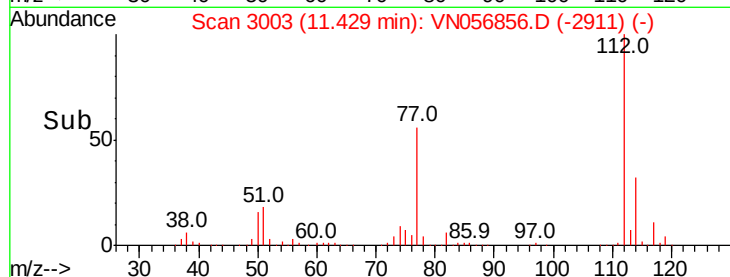
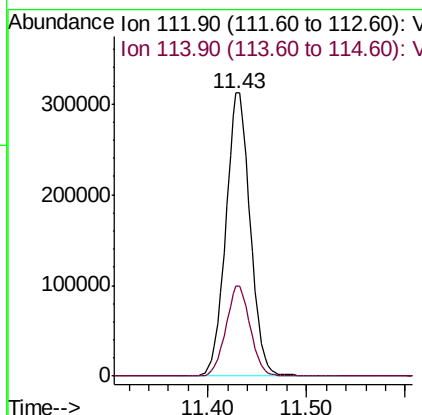
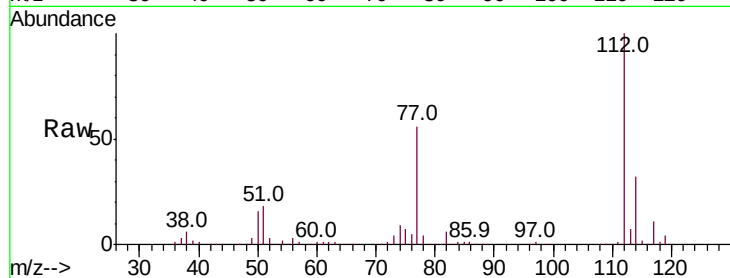
#65
Chlorobenzene
Concen: 51.016 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.5	38.3

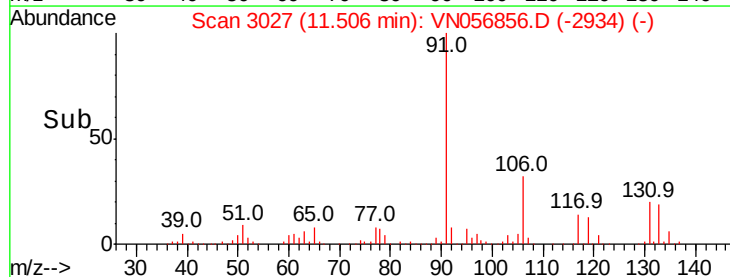
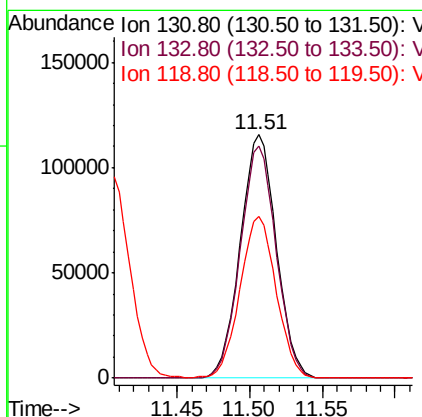
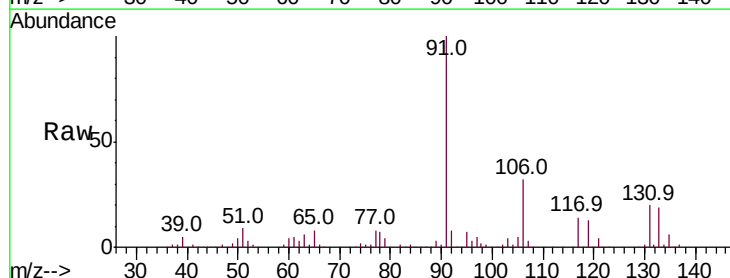
Manual Integrations
APPROVED

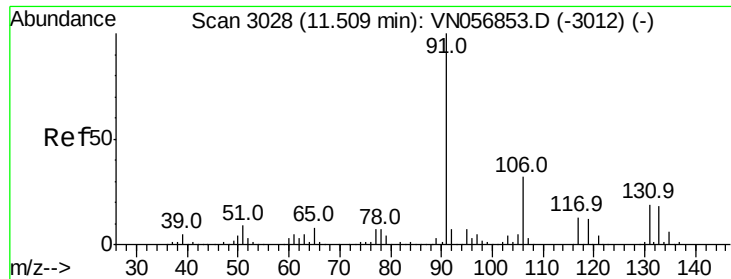
MMDadoda
7/25/2019 3:01:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.052 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.4	142.3
119	66.4	33.1	99.5





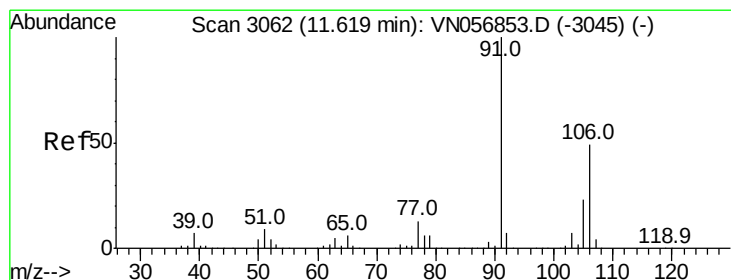
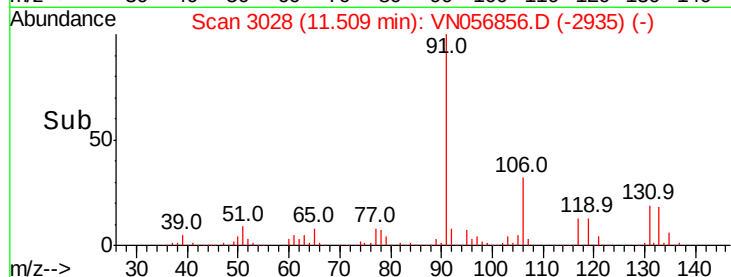
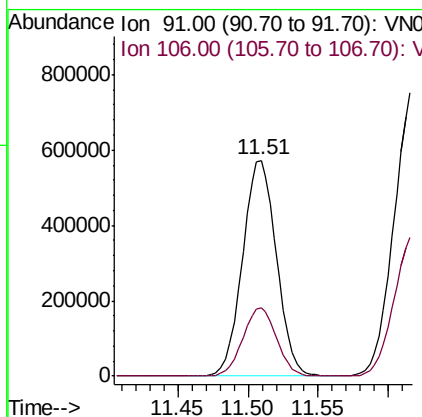
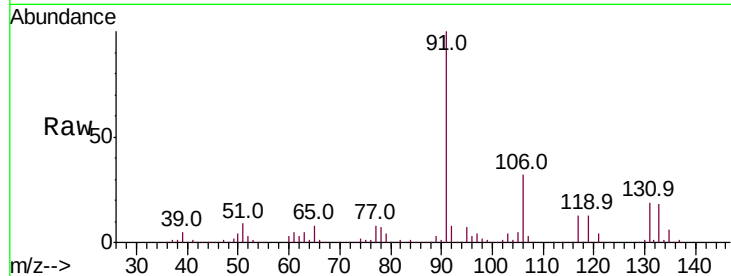
#67
Ethyl Benzene
Concen: 52.742 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampled :
ICVVN072219

Tot Ion: 91 Resp: 964737
Ion Ratio Lower Upper
91 100
106 31.8 25.3 37.9

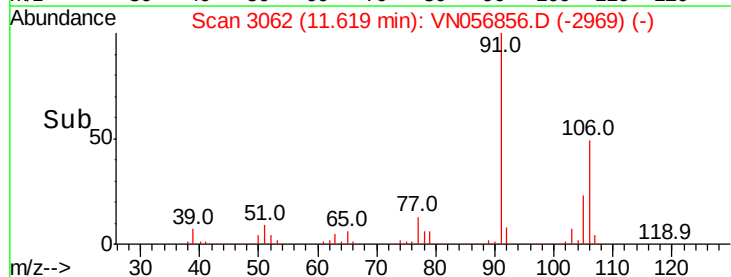
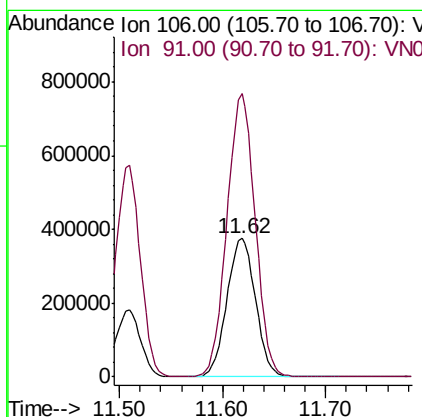
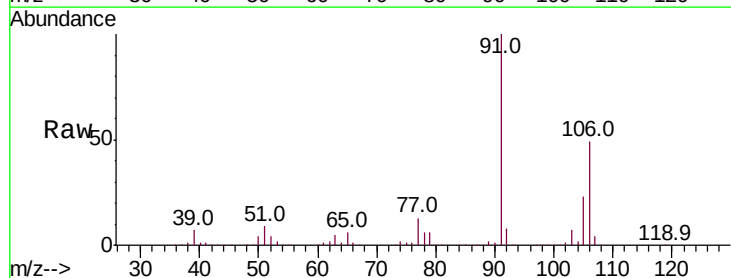
Manual Integrations
APPROVED

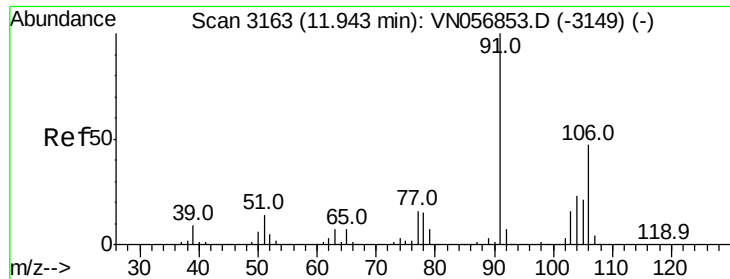
MMDadoda
7/25/2019 3:01:33 PM



#68
m/p-Xylenes
Concen: 105.754 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 106 Resp: 724187
Ion Ratio Lower Upper
106 100
91 202.2 160.5 240.7





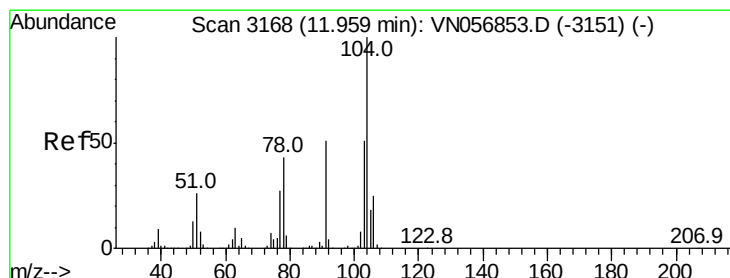
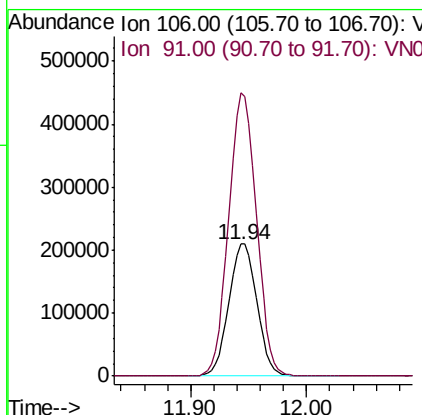
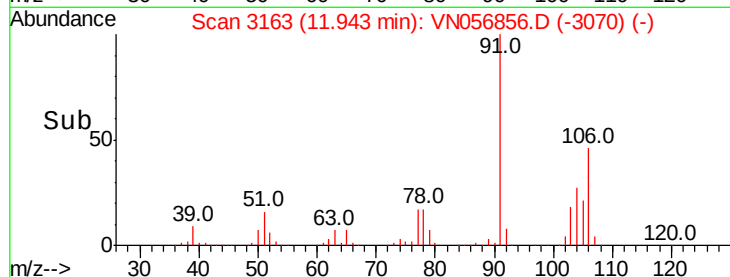
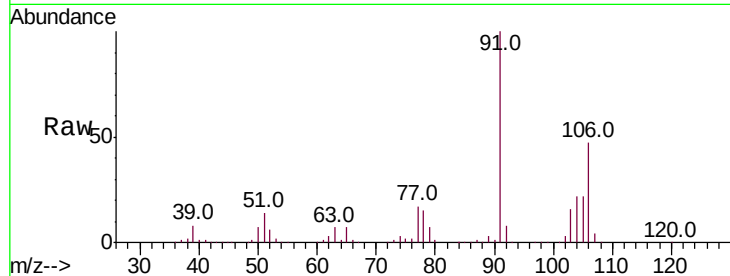
#69
o-Xylene
Concen: 52.335 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampled :
ICVVN072219

Tot Ion:106 Resp: 349853
Ion Ratio Lower Upper
106 100
91 212.5 105.1 315.3

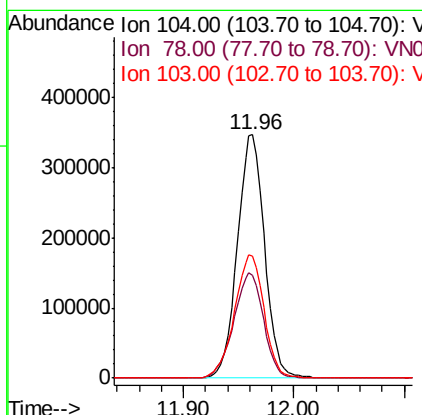
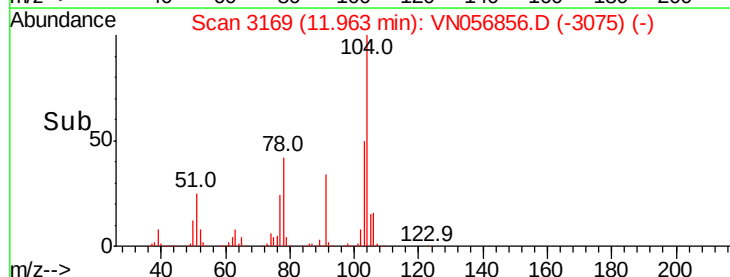
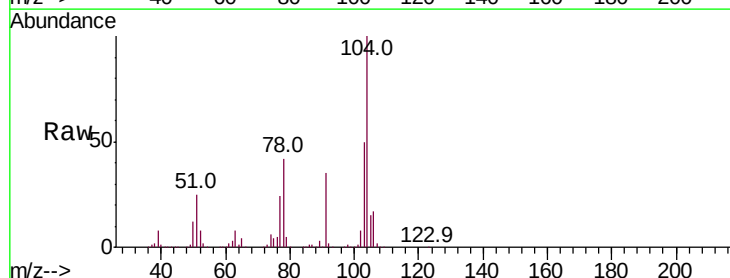
Manual Integrations
APPROVED

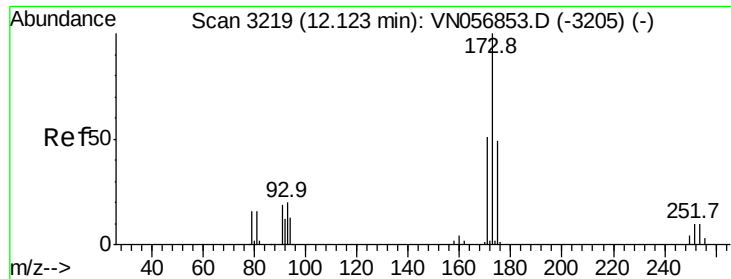
MMDadoda
7/25/2019 3:01:33 PM



#70
Styrene
Concen: 50.482 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion:104 Resp: 592234
Ion Ratio Lower Upper
104 100
78 47.6 38.1 57.1
103 55.1 44.2 66.4





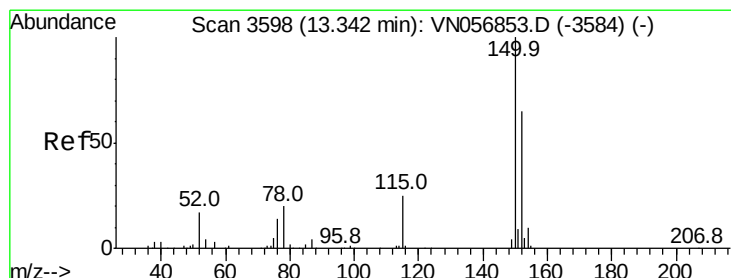
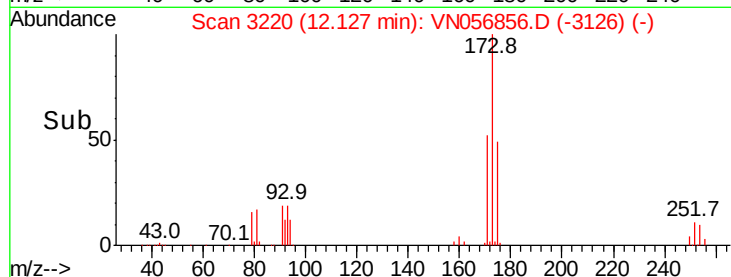
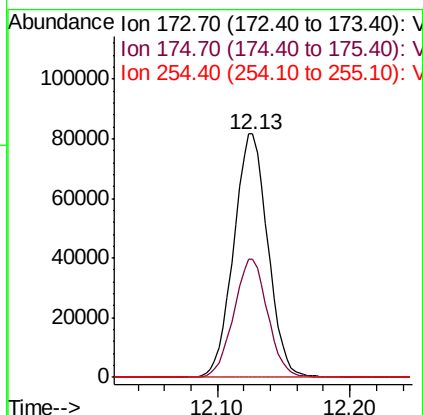
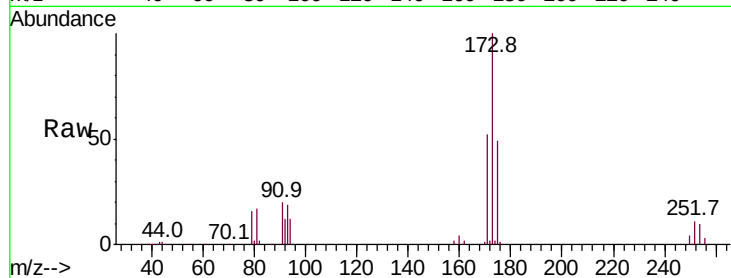
#71
Bromoform
Concen: 52.556 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampled :
ICVVN072219

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.3
254	0.0	0.0	0.0

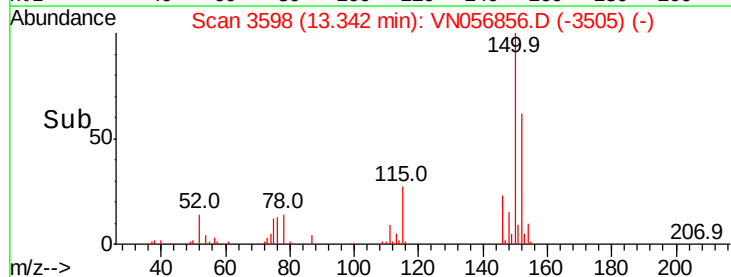
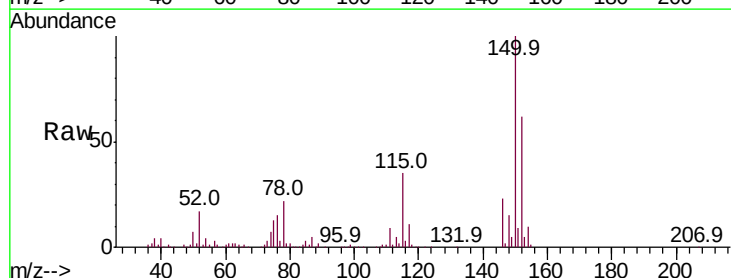
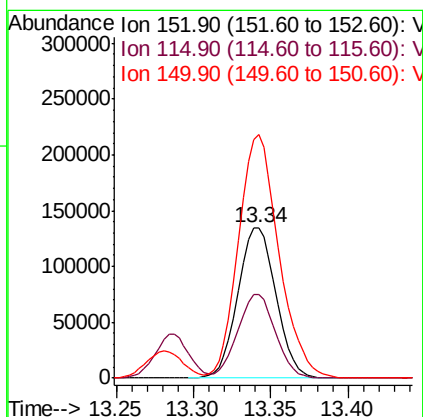
Manual Integrations
APPROVED

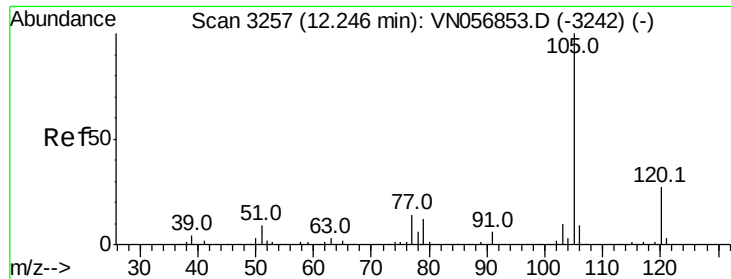
MMDadoda
7/25/2019 3:01:33 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.6	82.7
150	172.4	0.0	343.0





#73

Isopropylbenzene

Concen: 54.157 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

Tot Ion:105 Resp: 941943

Ion Ratio Lower Upper

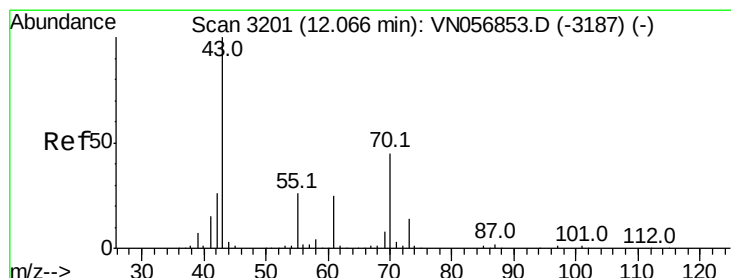
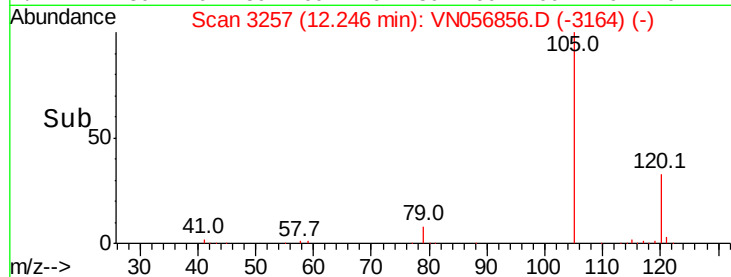
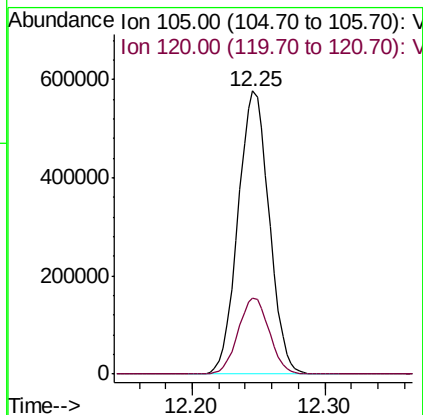
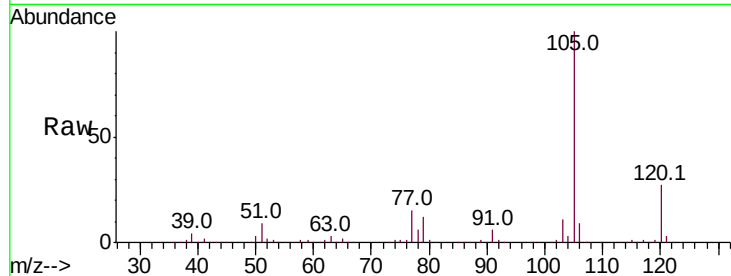
105 100

120 26.7 13.4 40.2

Manual Integrations
APPROVED

MMDadoda

7/25/2019 3:01:33 PM



#74

N-ethyl acetate

Concen: 47.139 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Tgt Ion: 43 Resp: 318917

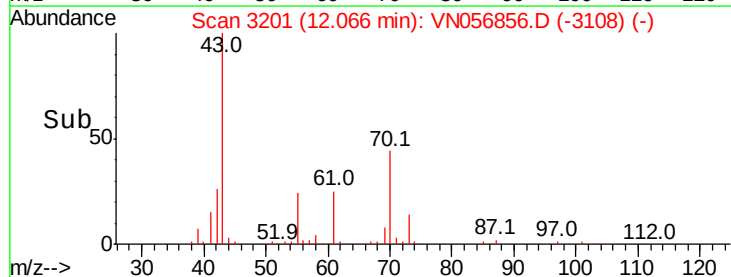
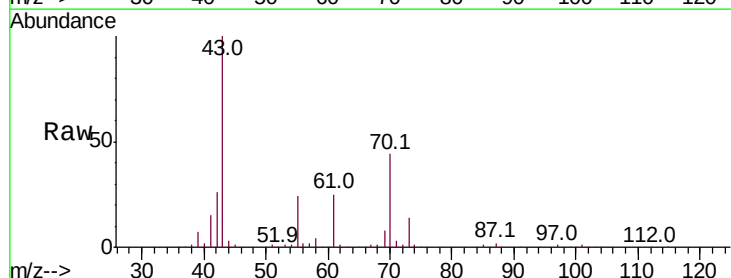
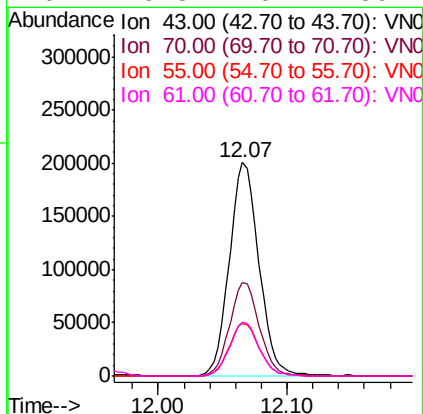
Ion Ratio Lower Upper

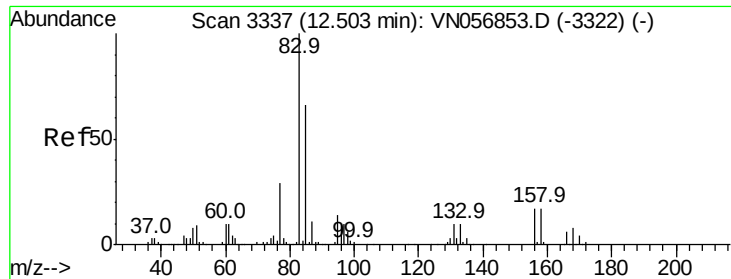
43 100

70 43.9 35.3 52.9

55 25.3 20.6 31.0

61 25.3 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.302 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

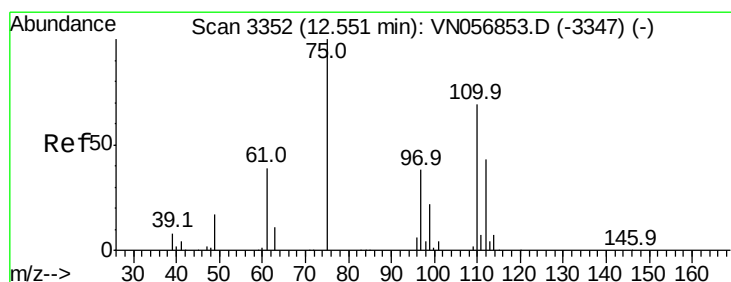
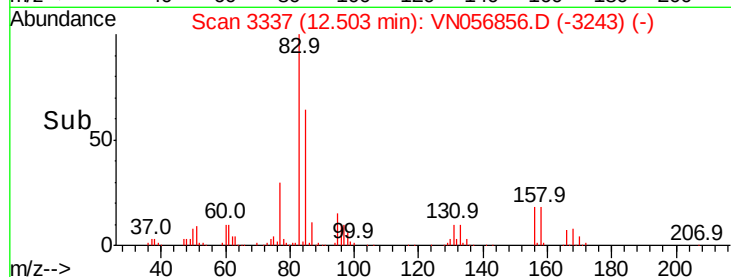
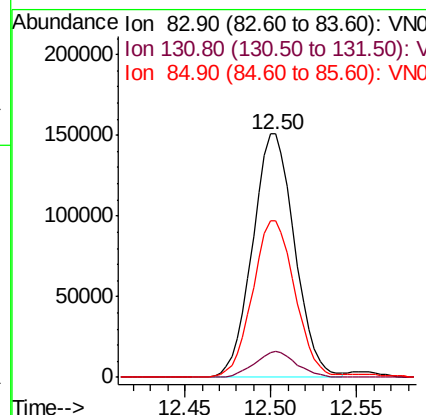
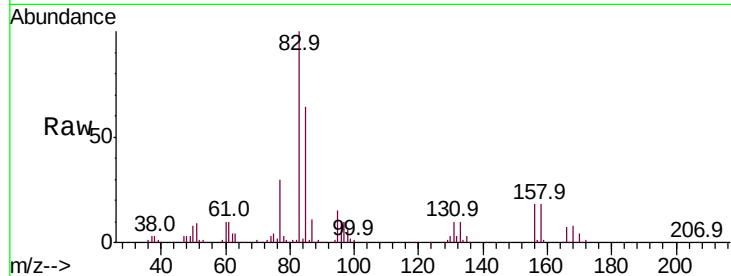
ClientSampleId :

ICVVN072219

Tot Ion:	83	Resp:	255940
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.4
85	64.4	32.8	98.3

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:33 PM



#76

1,2,3-Trichloropropane

Concen: 42.816 ug/l m

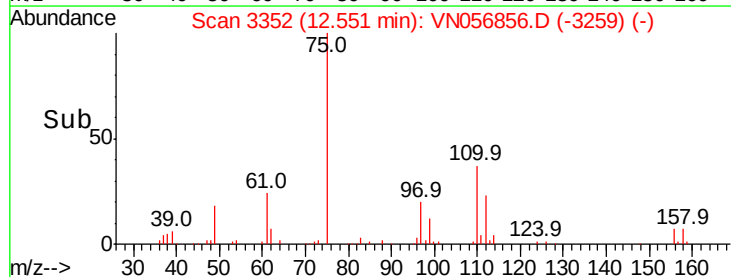
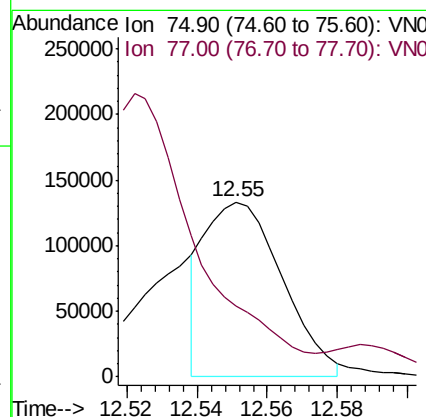
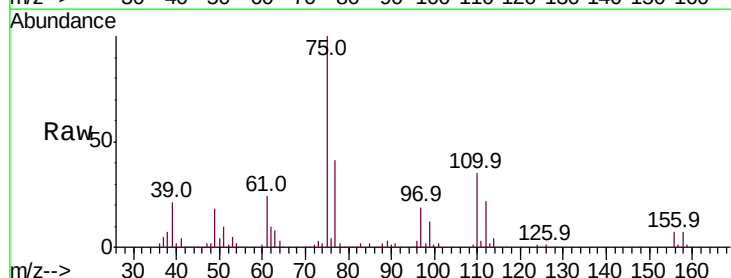
RT: 12.55 min Scan# 3352

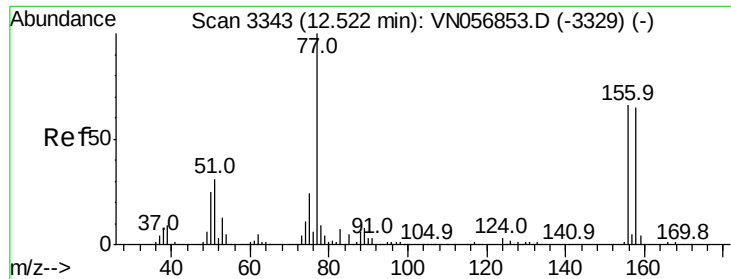
Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Tgt Ion:	75	Resp:	204462
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.335 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

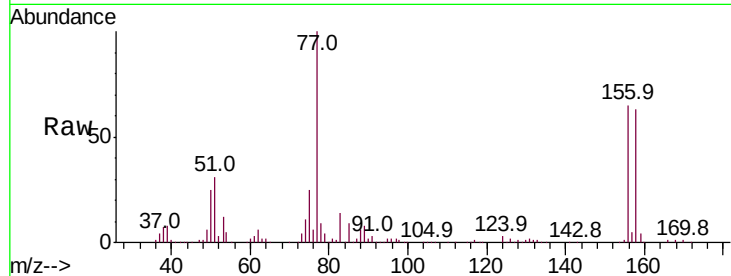
ClientSampled :

ICVVN072219

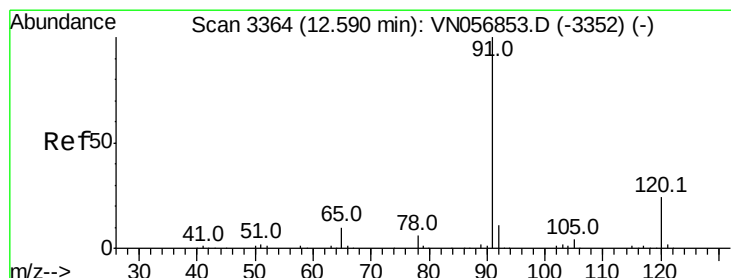
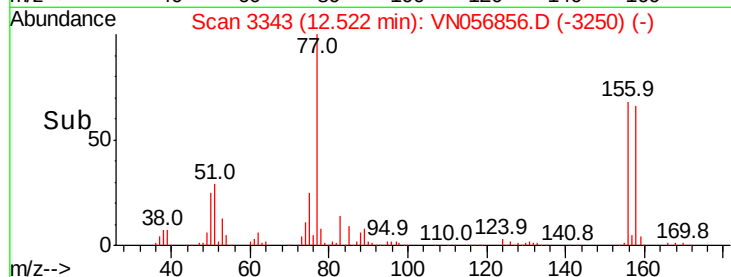
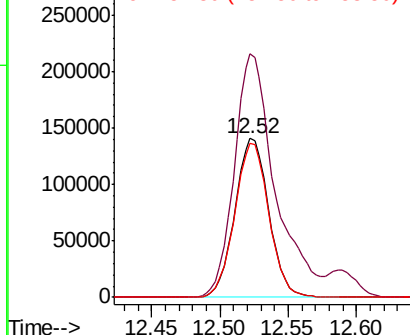
Tot Ion:	156	Resp:	242938
Ion Ratio	Lower	Upper	
156	100		
77	183.9	90.7	272.1
158	97.4	48.5	145.5

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:33 PM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.799 ug/l

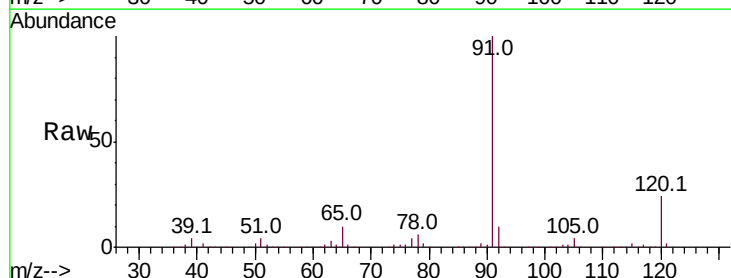
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

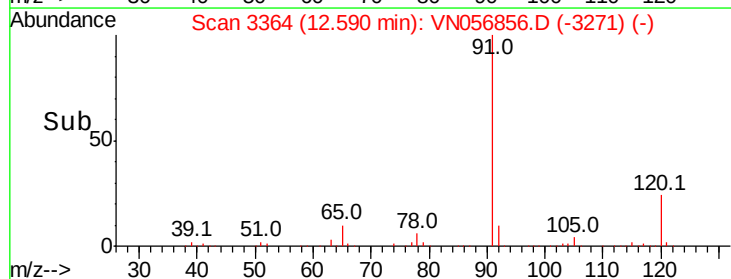
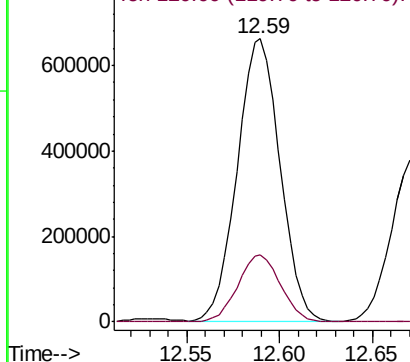
Lab File: VN056856.D

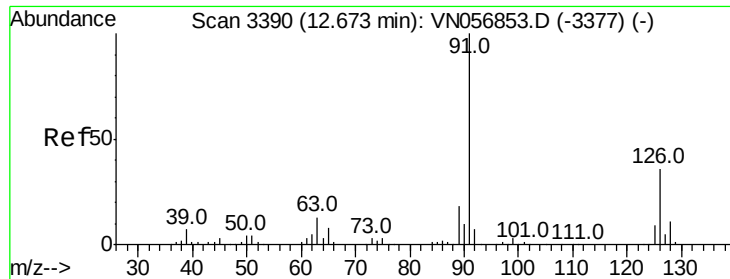
Acq: 22 Jul 2019 15:36

Tgt Ion:	91	Resp:	1054722
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





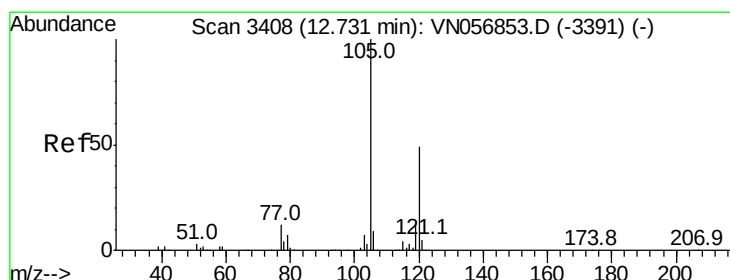
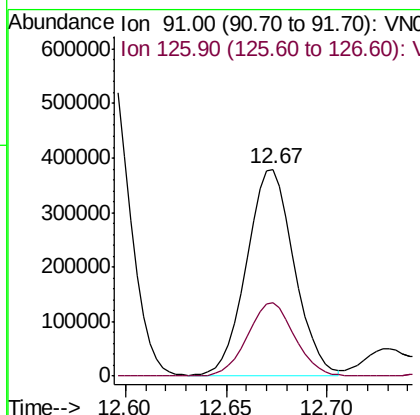
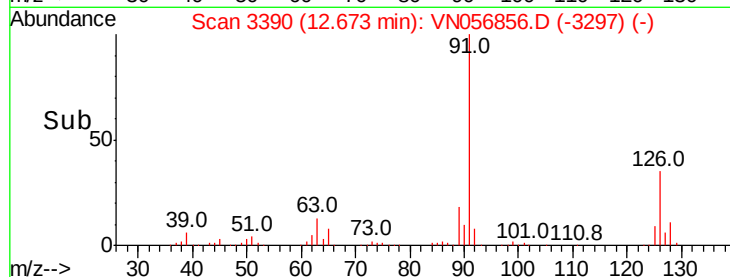
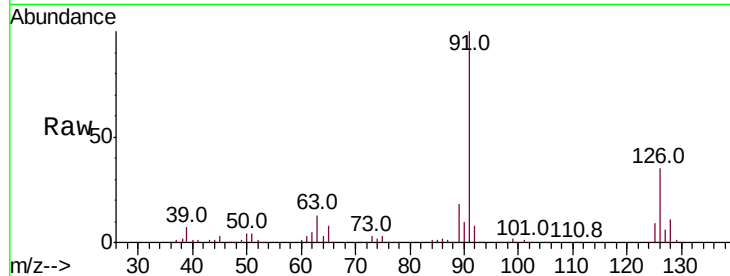
#79
2-Chlorotoluene
Concen: 53.632 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampled :
ICVVN072219

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.5

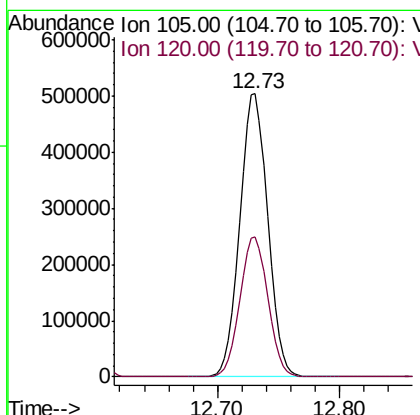
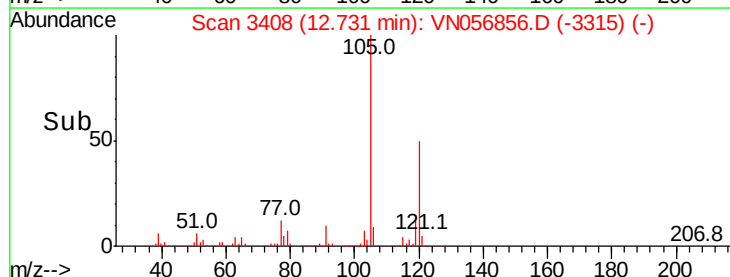
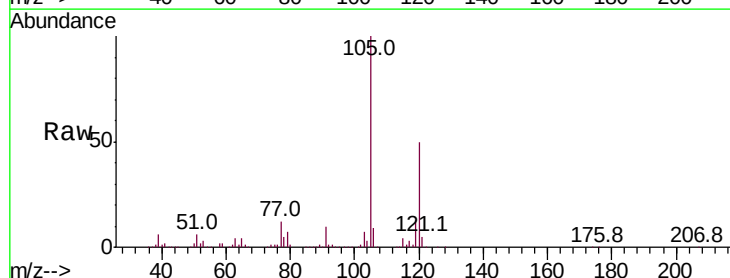
Manual Integrations
APPROVED

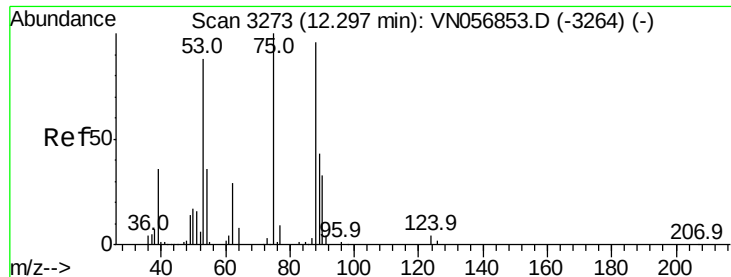
MMDadoda
7/25/2019 3:01:33 PM



#80
1,3,5-Trimethylbenzene
Concen: 53.843 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.7	74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 53.197 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

Tot Ion: 75 Resp: 79316

Ion Ratio Lower Upper

75 100

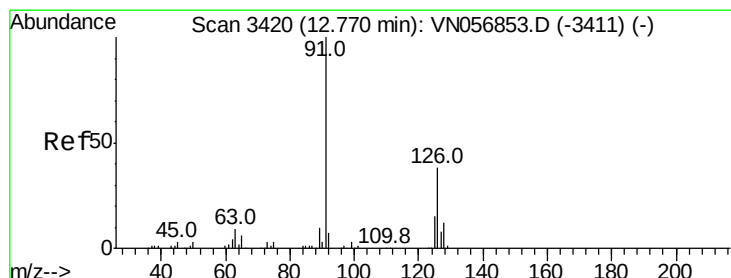
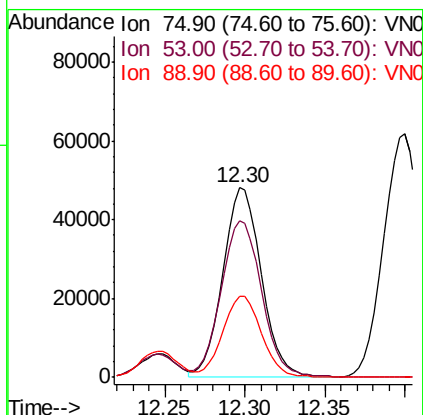
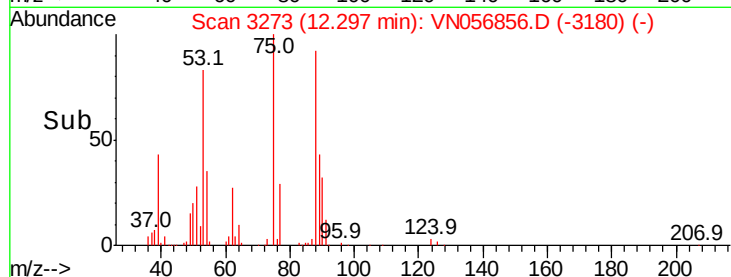
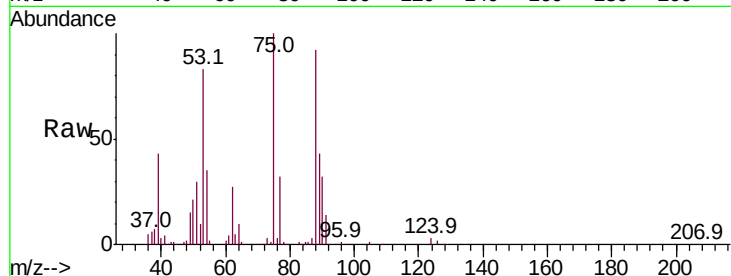
53 87.2 72.3 108.5

89 43.3 36.2 54.4

Manual Integrations
APPROVED

MMDadoda

7/25/2019 3:01:33 PM



#82

4-Chlorotoluene

Concen: 49.312 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056856.D

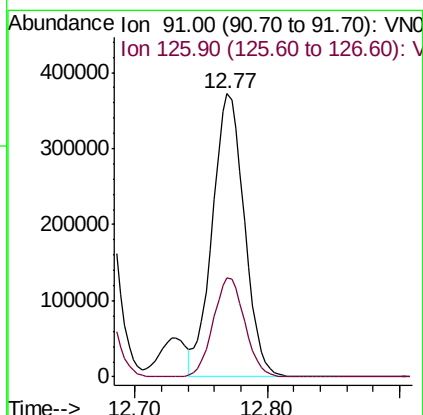
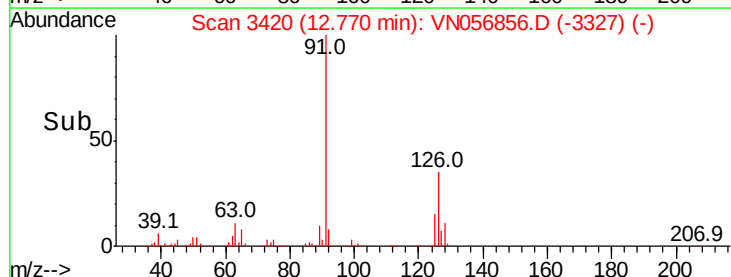
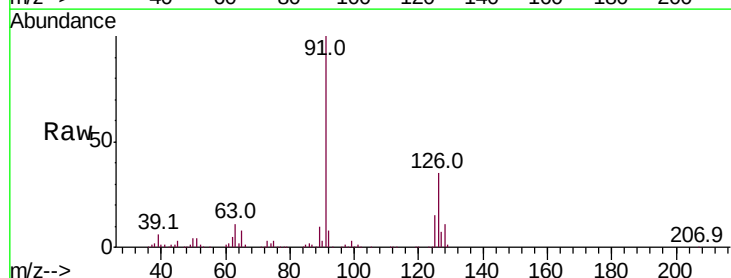
Acq: 22 Jul 2019 15:36

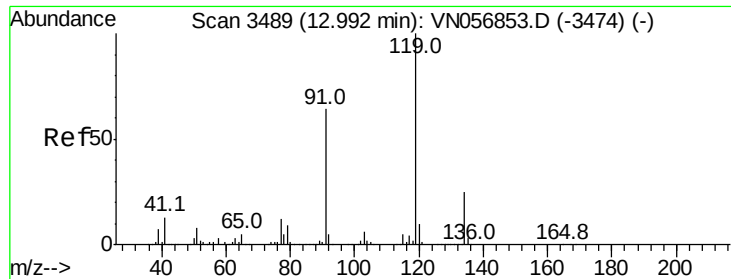
Tgt Ion: 91 Resp: 621370

Ion Ratio Lower Upper

91 100

126 34.6 17.3 52.0





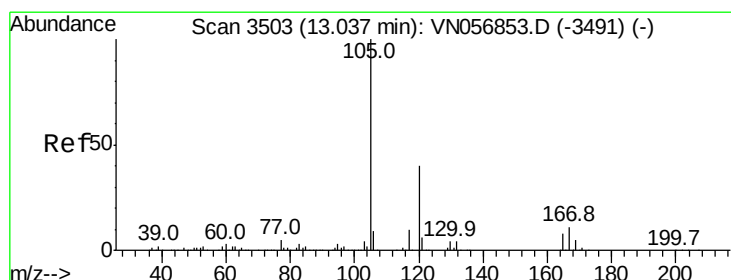
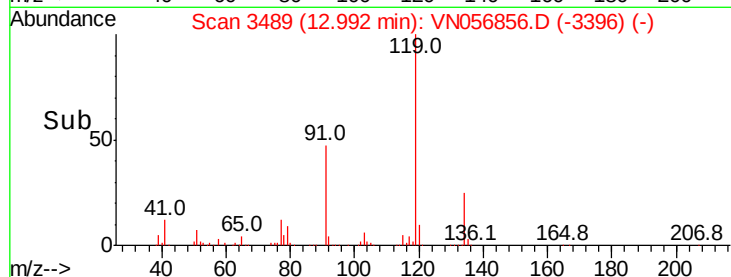
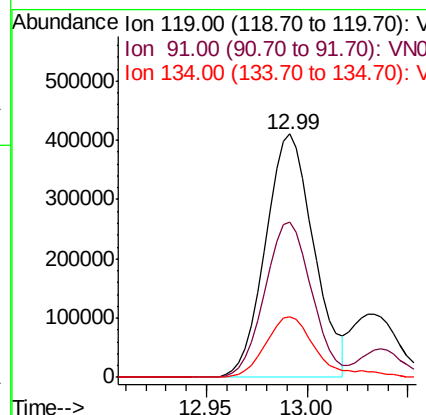
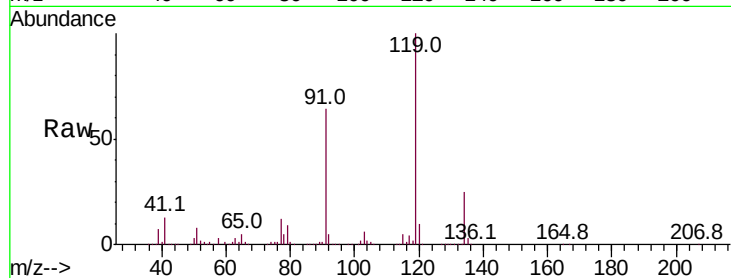
#83
tert-Butylbenzene
Concen: 53.640 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampled :
ICVVN072219

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	31.5	94.5
134	26.4	12.2	36.6

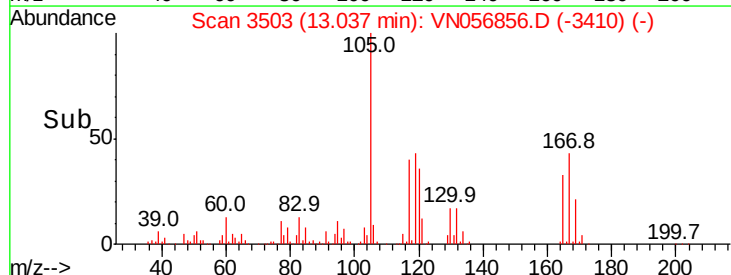
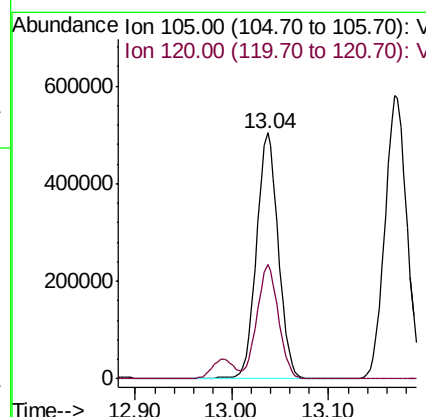
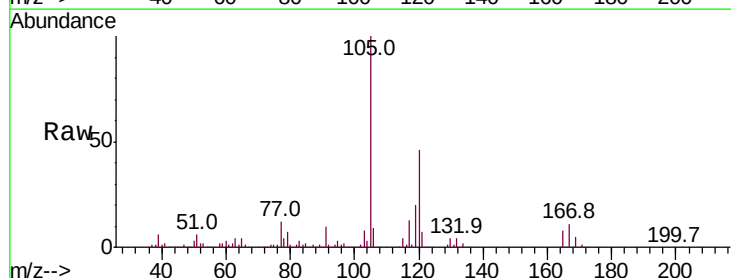
Manual Integrations
APPROVED

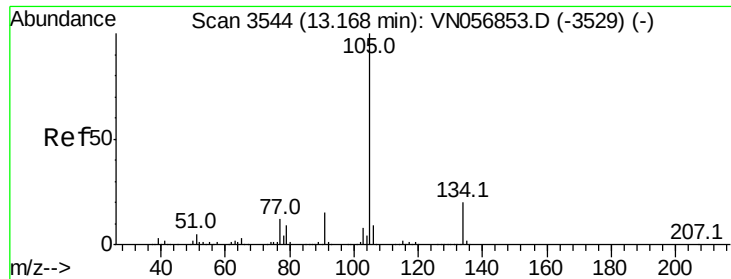
MMDadoda
7/25/2019 3:01:33 PM



#84
1,2,4-Trimethylbenzene
Concen: 49.361 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.2	69.5





#85

sec-Butylbenzene

Concen: 48.607 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

Tot Ion:105 Resp: 911836

Ion Ratio Lower Upper

105 100

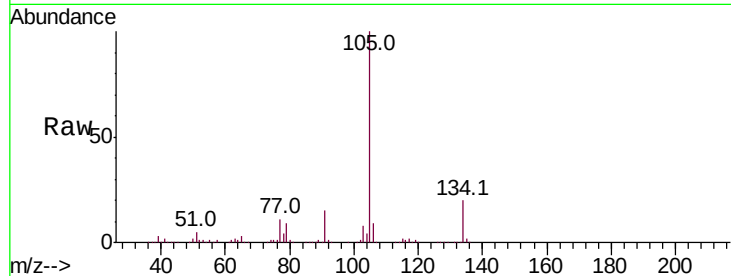
134 20.4 10.1 30.1

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:33 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

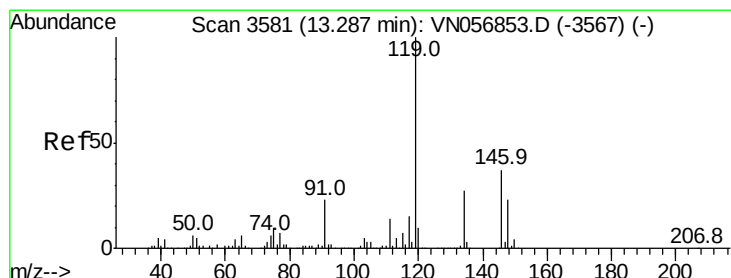
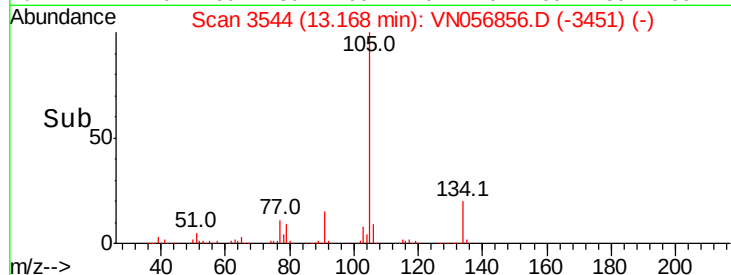
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.863 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

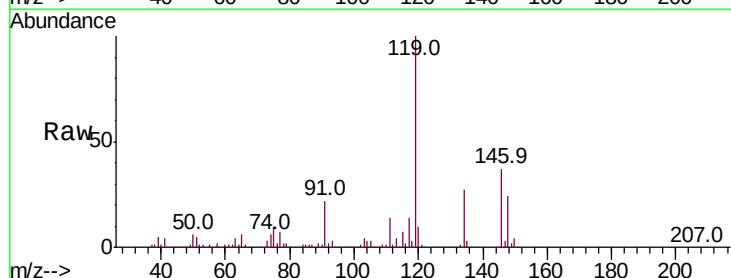
Tgt Ion:119 Resp: 833313

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

91 22.0 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

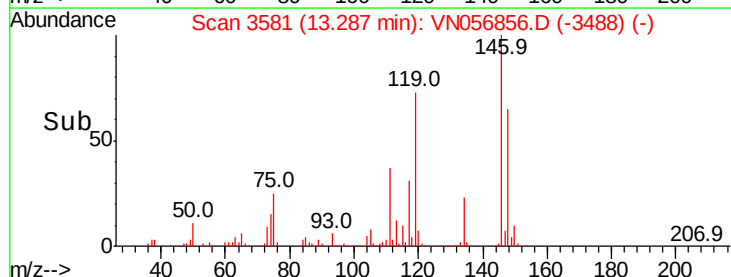
600000

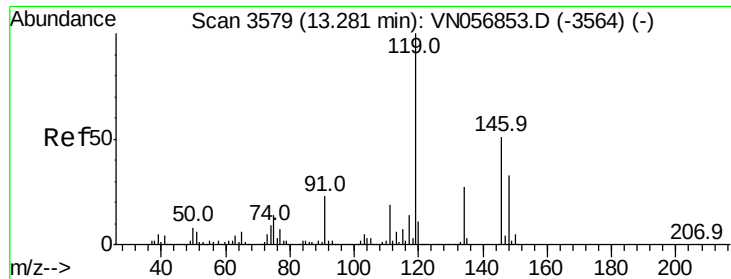
400000

200000

0

Time-->





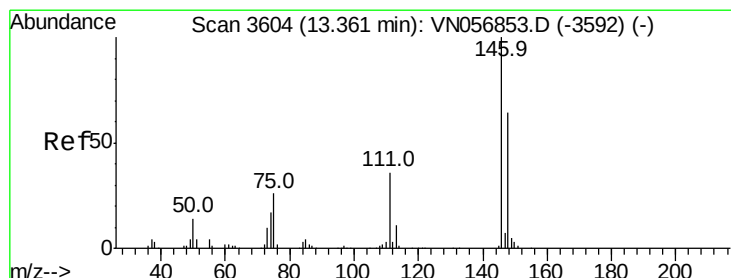
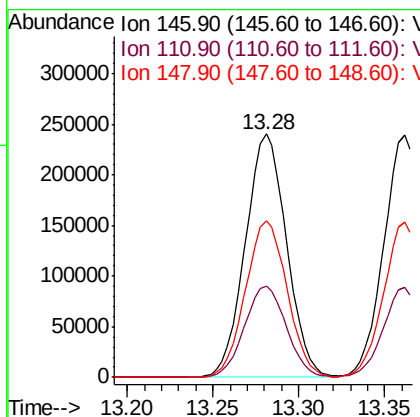
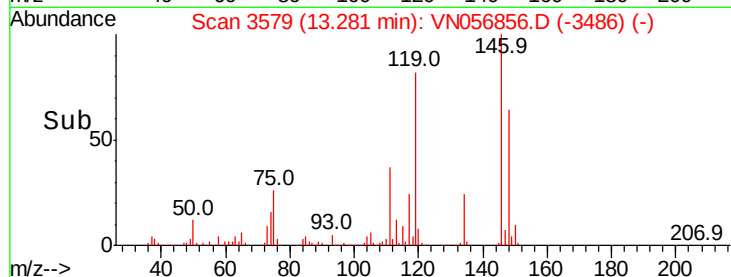
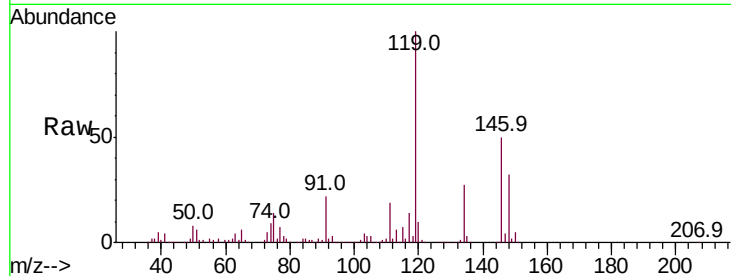
#87
 1,3-Dichlorobenzene
 Concen: 49.596 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072219

Tot Ion	Ratio	Resp	Lower	Upper
146	100	399584		
111	37.9	18.9	56.5	
148	64.9	32.1	96.3	

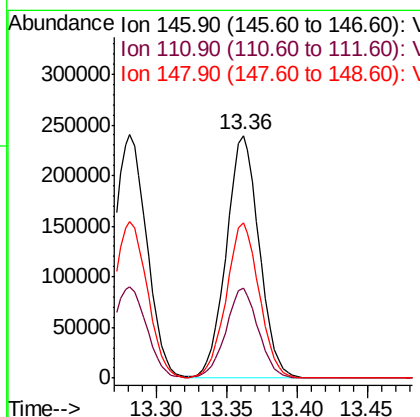
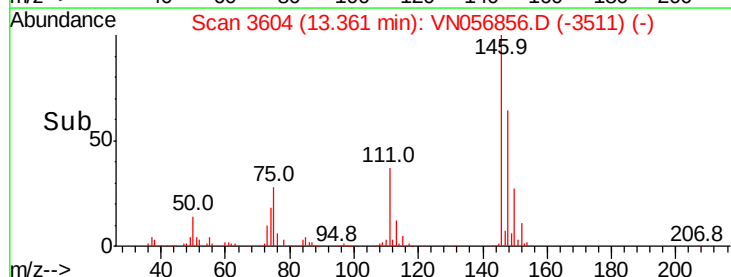
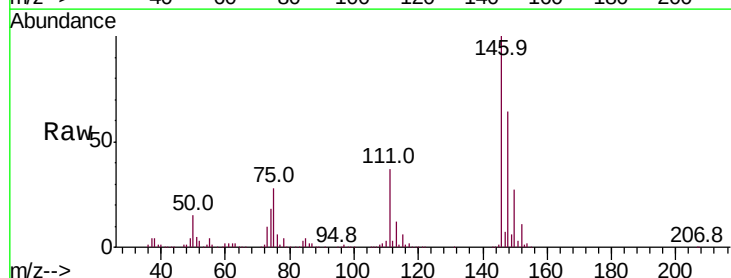
Manual Integrations
 APPROVED

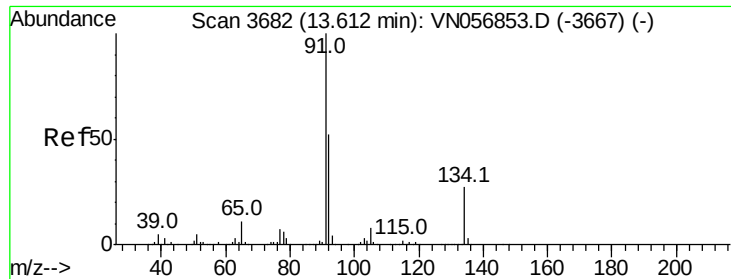
MMDadoda
 7/25/2019 3:01:33 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.878 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	390390		
111	36.6	18.3	54.9	
148	64.1	32.1	96.3	





#89

n-Butylbenzene

Concen: 53.431 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

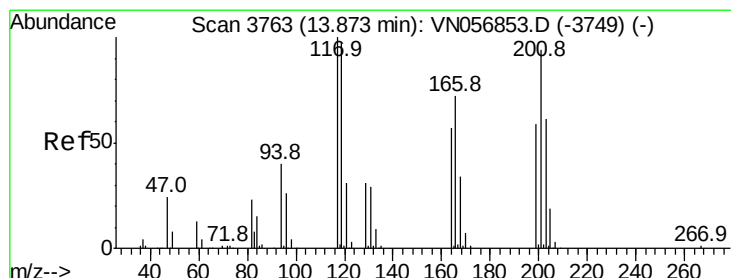
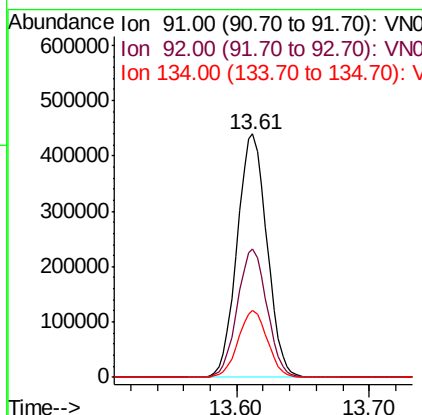
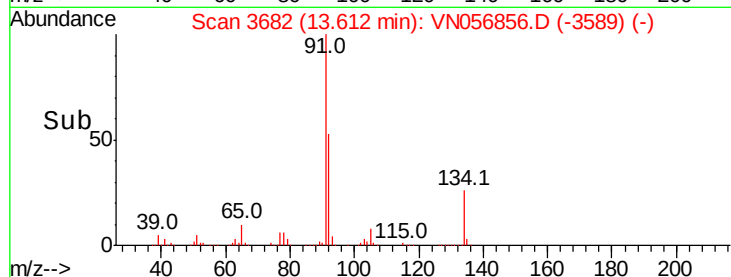
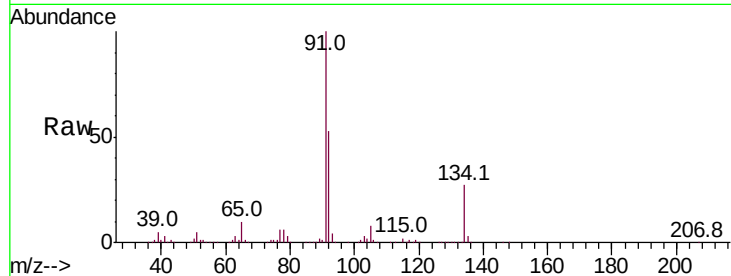
ClientSampleId :

ICVVN072219

Tot Ion:	91	Resp:	686535
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	26.9	13.3	39.9

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:33 PM



#90

Hexachloroethane

Concen: 47.055 ug/l

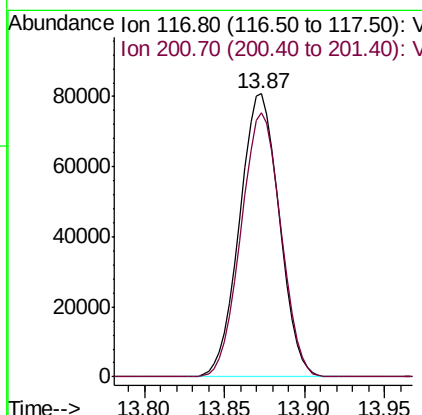
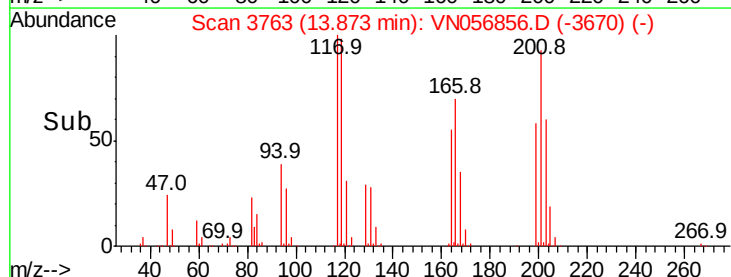
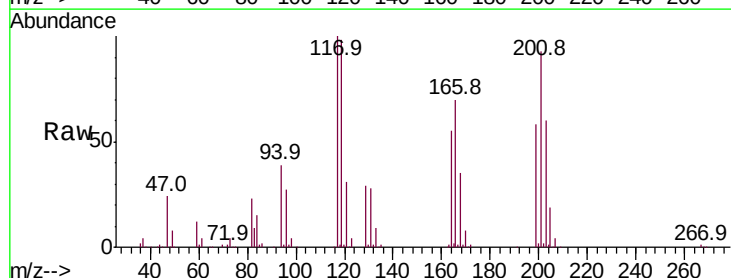
RT: 13.87 min Scan# 3763

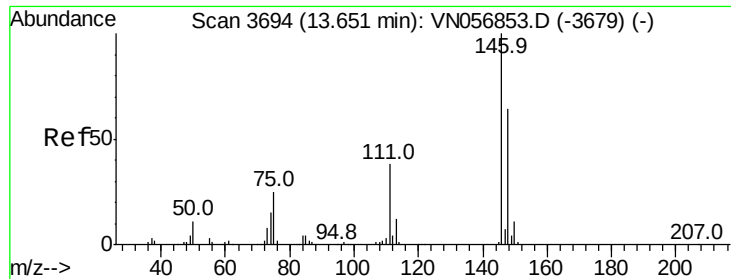
Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Tgt Ion:	117	Resp:	137294
Ion	Ratio	Lower	Upper
117	100		
201	93.2	47.1	141.3





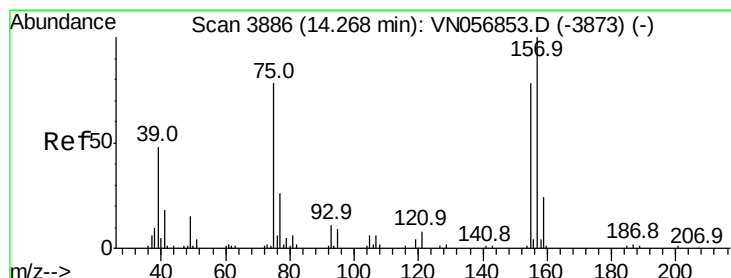
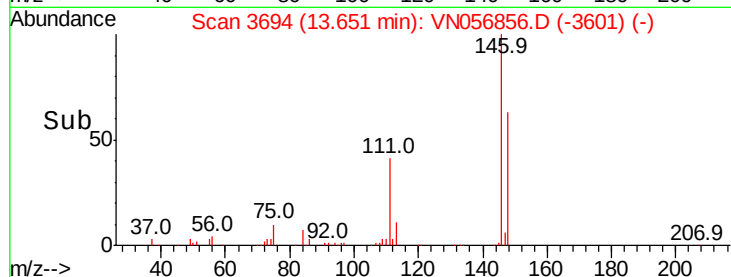
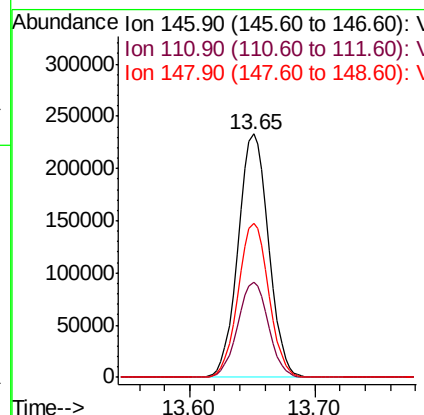
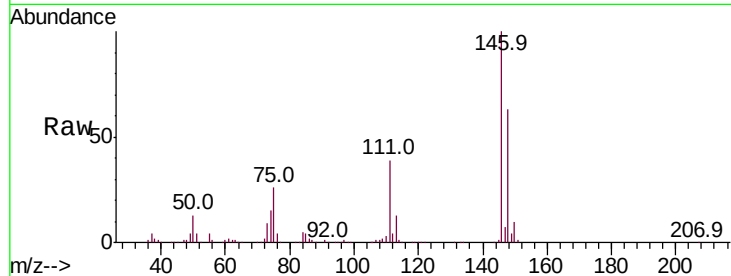
#91
 1,2-Dichlorobenzene
 Concen: 48.580 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072219

Tot Ion	Ratio	Resp	Lower	Upper
146	100	393393		
111	39.2	19.1	57.5	
148	63.6	32.1	96.5	

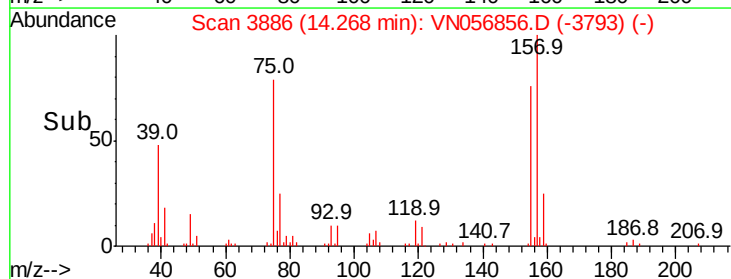
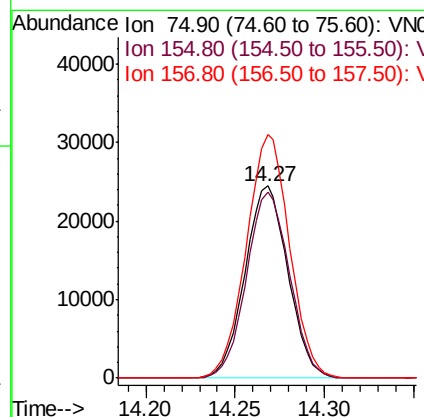
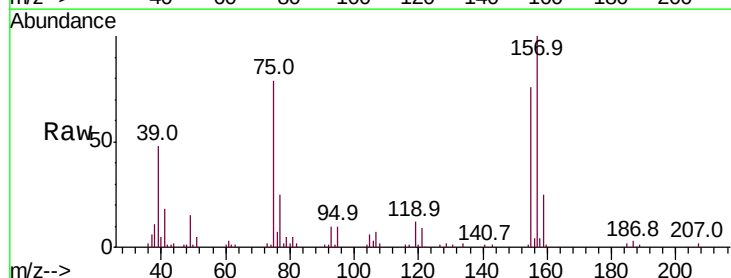
Manual Integrations
 APPROVED

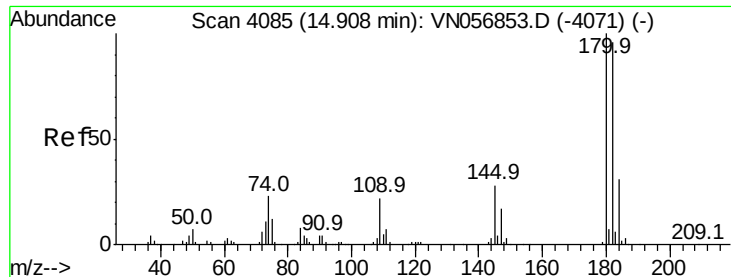
MMDadoda
 7/25/2019 3:01:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.838 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	41296		
155	96.8	49.9	149.6	
157	127.4	64.8	194.4	





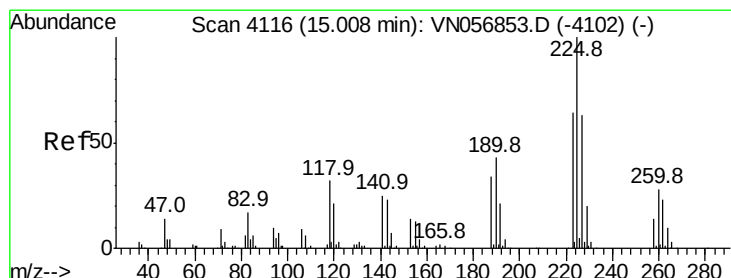
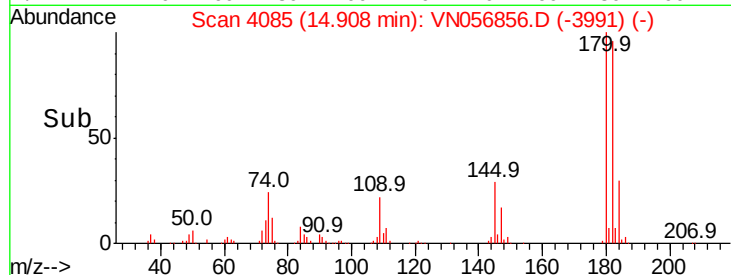
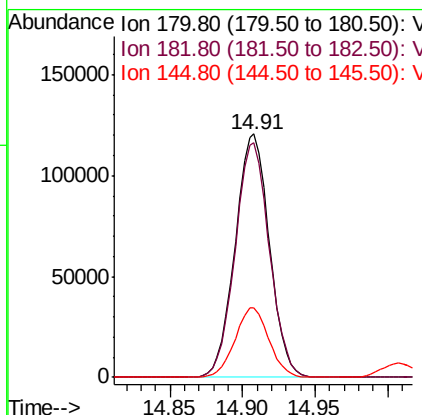
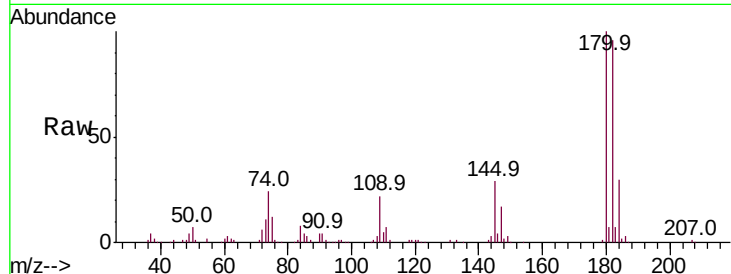
#93
 1,2,4-Trichlorobenzene
 Concen: 45.856 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072219

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.3	47.9	143.7	
145	28.3	14.1	42.3	

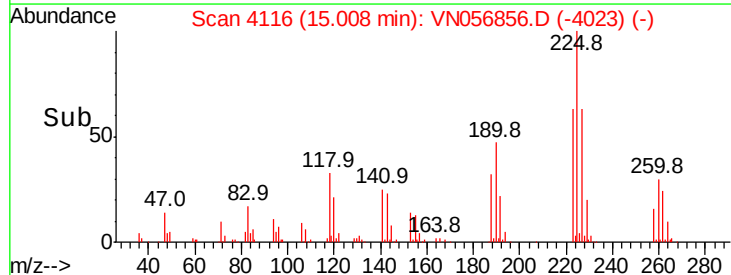
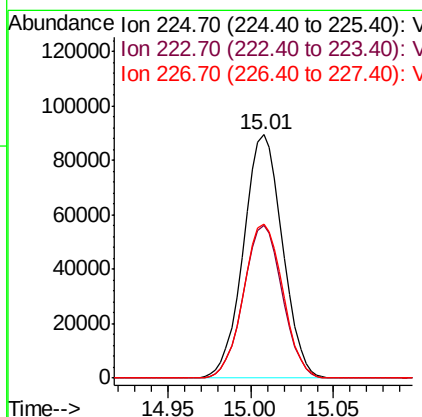
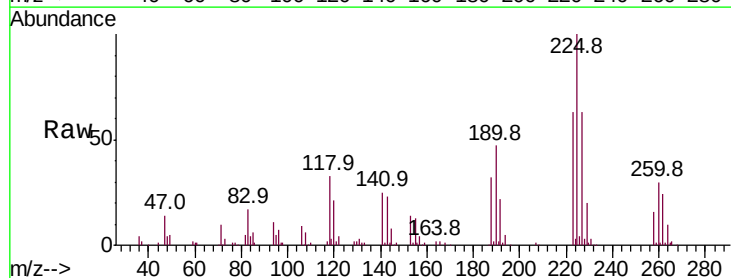
Manual Integrations
 APPROVED

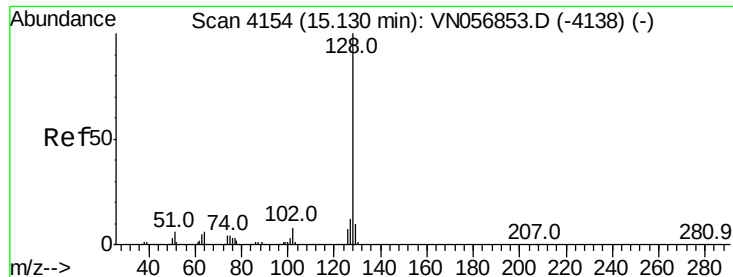
MMDadoda
 7/25/2019 3:01:33 PM



#94
 Hexachlorobutadiene
 Concen: 54.388 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.9	95.5	
227	64.3	31.7	95.1	





#95

Naphthalene

Concen: 45.371 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

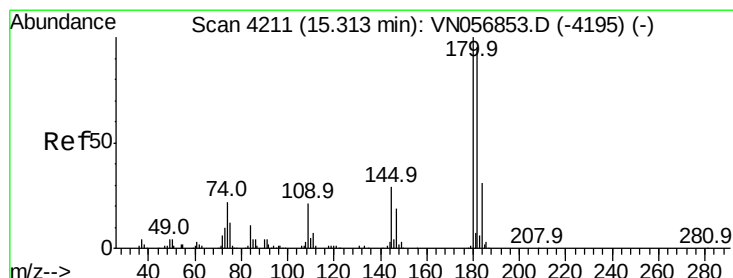
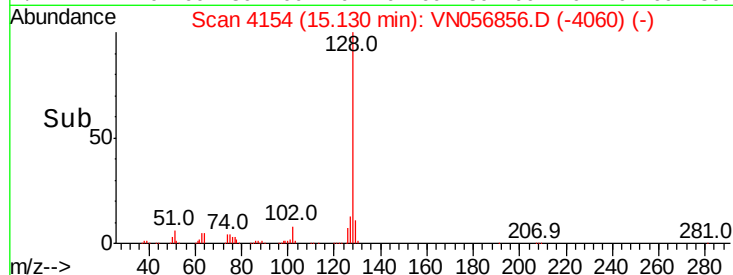
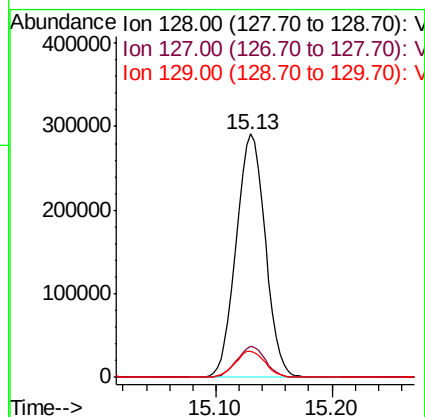
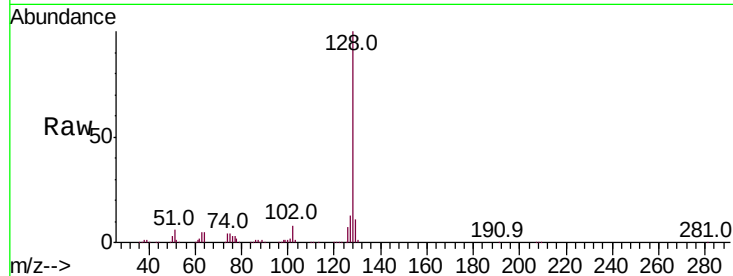
ClientSampleId :

ICVVN072219

Tot Ion:	128	Resp:	504695
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:33 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.418 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Tgt Ion:	180	Resp:	210143
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.1	144.3
145	30.2	14.7	44.1

