

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055179.D
 Acq On : 22 Apr 2019 13:46
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:47:13 PM

Quant Time: Apr 23 06:13:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	441084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	685307	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	606044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	262617	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	281992	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	7.59	113	226492	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	10.09	98	851911	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.40	95	284770	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	305493	53.792	ug/l	99
3) Chloromethane	2.06	50	343108	49.304	ug/l	100
4) Vinyl Chloride	2.19	62	272432	48.856	ug/l	96
5) Bromomethane	2.55	94	142169	43.963	ug/l	99
6) Chloroethane	2.70	64	141256	48.063	ug/l	98
7) Trichlorofluoromethane	3.01	101	374471	49.348	ug/l	97
8) Diethyl Ether	3.41	74	133363	49.239	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	228609	48.279	ug/l	99
10) Methyl Iodide	3.95	142	338765	51.017	ug/l	100
11) Tert butyl alcohol	4.78	59	84230	241.660	ug/l	99
12) 1,1-Dichloroethene	3.73	96	220952	48.689	ug/l	99
13) Acrolein	3.61	56	133581	255.448	ug/l	99
14) Allyl chloride	4.32	41	439353	48.974	ug/l	99
15) Acrylonitrile	4.99	53	483869	253.132	ug/l	99
16) Acetone	3.82	43	477569	241.975	ug/l	98
17) Carbon Disulfide	4.05	76	627666	49.474	ug/l	99
18) Methyl Acetate	4.33	43	214560	50.606	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	625248	49.834	ug/l	97
20) Methylene Chloride	4.55	84	254609	44.874	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	232815	48.925	ug/l	94
22) Diisopropyl ether	5.95	45	870271	48.667	ug/l	98
23) Vinyl Acetate	5.90	43	3185742	265.108	ug/l	100
24) 1,1-Dichloroethane	5.85	63	458231	47.640	ug/l	99
25) 2-Butanone	6.83	43	638378	250.538	ug/l	98
26) 2,2-Dichloropropane	6.82	77	321173	49.343	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	263877	48.104	ug/l	100
28) Bromochloromethane	7.19	49	234126	47.751	ug/l	99
29) Tetrahydrofuran	7.21	42	398660	254.468	ug/l	100
30) Chloroform	7.37	83	431824	47.197	ug/l	99
31) Cyclohexane	7.65	56	456119	50.669	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	354849	48.276	ug/l	99
36) 1,1-Dichloropropene	7.79	75	334956	52.660	ug/l	100
37) Ethyl Acetate	6.93	43	260598	50.766	ug/l	100
38) Carbon Tetrachloride	7.77	117	307105	51.559	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055179.D
 Acq On : 22 Apr 2019 13:46
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 ICVVN042219

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:47:13 PM

Quant Time: Apr 23 06:13:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	389758	51.363	ug/l	98
40) Benzene	8.04	78	981466	49.985	ug/l	100
41) Methacrylonitrile	7.17	41	140716	52.287	ug/l	96
42) 1,2-Dichloroethane	8.12	62	335546	48.984	ug/l	100
43) Isopropyl Acetate	8.16	43	444797	53.509	ug/l #	89
44) Trichloroethene	8.83	130	251443	50.666	ug/l	97
45) 1,2-Dichloropropane	9.12	63	276835	49.947	ug/l	100
46) Dibromomethane	9.21	93	155535	49.021	ug/l	98
47) Bromodichloromethane	9.40	83	328778	51.763	ug/l	96
48) Methyl methacrylate	9.20	41	206666	51.254	ug/l	98
49) 1,4-Dioxane	9.20	88	41768	896.983	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1252650	261.881	ug/l	100
52) Toluene	10.16	92	581810	50.545	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	316004	54.212	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	386275	53.400	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	211970	49.949	ug/l	99
56) Ethyl methacrylate	10.43	69	286924	54.274	ug/l	100
57) 1,3-Dichloropropane	10.71	76	374721	50.752	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	498472	244.945	ug/l	99
59) 2-Hexanone	10.75	43	817337	270.521	ug/l	98
60) Dibromochloromethane	10.90	129	223449	51.120	ug/l	100
61) 1,2-Dibromoethane	11.00	107	209468	52.499	ug/l	98
64) Tetrachloroethene	10.63	164	233048	47.138	ug/l	98
65) Chlorobenzene	11.43	112	589947	47.691	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	221596	48.334	ug/l	100
67) Ethyl Benzene	11.51	91	1107818	50.276	ug/l	98
68) m/p-Xylenes	11.62	106	817770	103.475	ug/l	99
69) o-Xylene	11.95	106	395513	50.429	ug/l	99
70) Styrene	11.96	104	659357	54.236	ug/l	100
71) Bromoform	12.13	173	142924	52.240	ug/l #	98
73) Isopropylbenzene	12.25	105	1051083	49.801	ug/l	100
74) N-amyl acetate	12.07	43	343711	50.764	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	269130	50.417	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	212857m	39.952	ug/l	
77) Bromobenzene	12.53	156	252106	43.484	ug/l	99
78) n-propylbenzene	12.59	91	1194406	45.351	ug/l	100
79) 2-Chlorotoluene	12.67	91	721207	43.366	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	893596	45.454	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	64767	46.083	ug/l	99
82) 4-Chlorotoluene	12.77	91	698576	45.655	ug/l	98
83) tert-Butylbenzene	12.99	119	736184	49.828	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	867521	46.761	ug/l	99
85) sec-Butylbenzene	13.17	105	970007	43.613	ug/l	100
86) p-Isopropyltoluene	13.29	119	860856	46.981	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	432659	48.614	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	414347	47.819	ug/l	98
89) n-Butylbenzene	13.61	91	708202	52.143	ug/l	99
90) Hexachloroethane	13.87	117	137124	42.195	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	417423	45.663	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38435	48.197	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
Data File : VN055179.D
Acq On : 22 Apr 2019 13:46
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

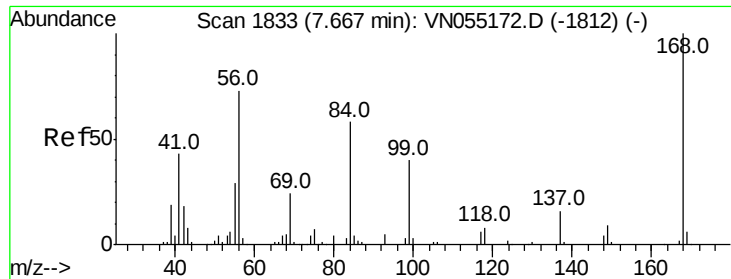
Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:47:13 PM

Quant Time: Apr 23 06:13:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 05:52:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	180960	47.029	ug/l	99
94) Hexachlorobutadiene	15.01	225	140376	52.887	ug/l	98
95) Naphthalene	15.13	128	374285	44.719	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	180220	47.115	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampled :

ICVVN042219

Tot Ion:168 Resp: 441084

Ion Ratio Lower Upper

168 100

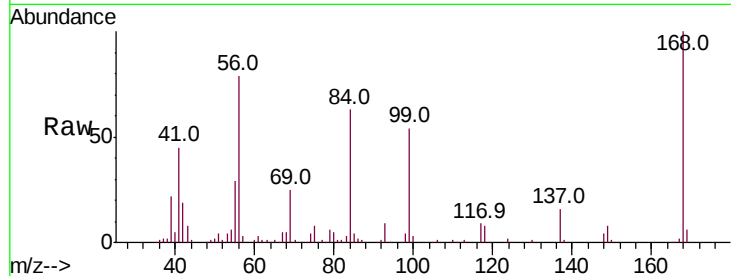
99 53.6 42.0 63.0

Manual Integrations

APPROVED

MMDadoda

4/23/2019 1:47:13 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

200000

150000

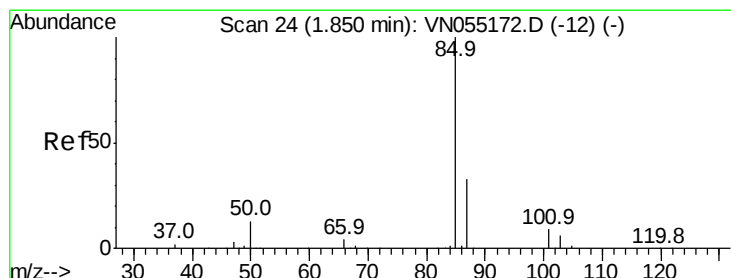
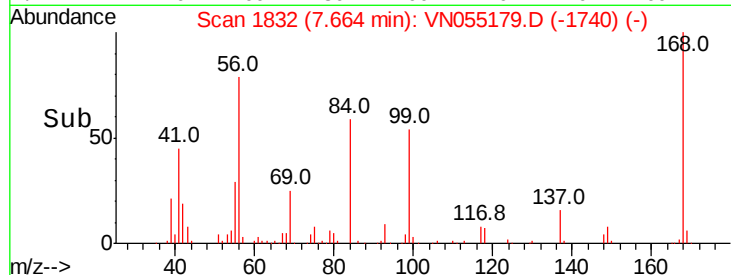
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 53.792 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055179.D

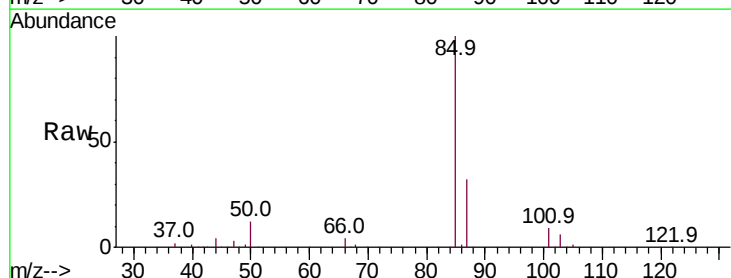
Acq: 22 Apr 2019 13:46

Tgt Ion: 85 Resp: 305493

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

150000

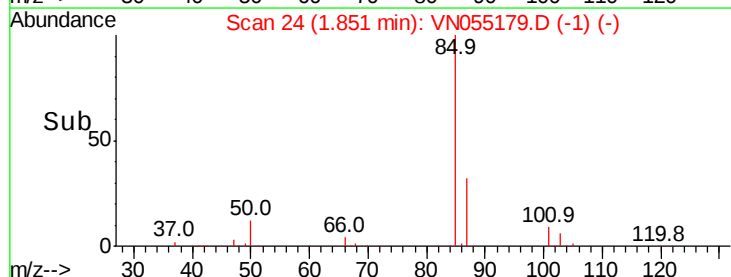
100000

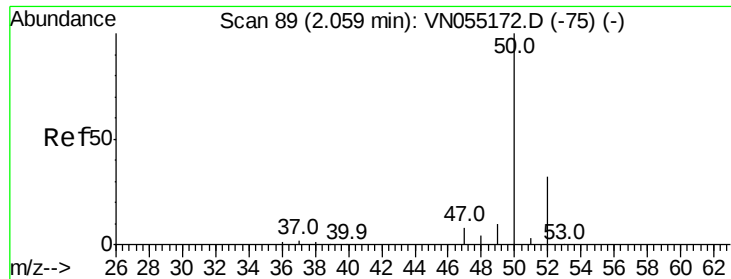
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 49.304 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

Tot Ion: 50 Resp: 343108

Ion Ratio Lower Upper

50 100

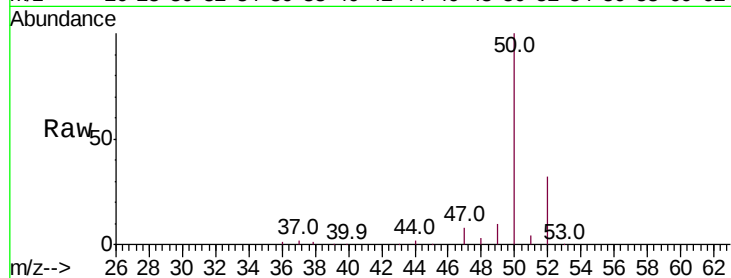
52 32.1 25.8 38.6

Manual Integrations

APPROVED

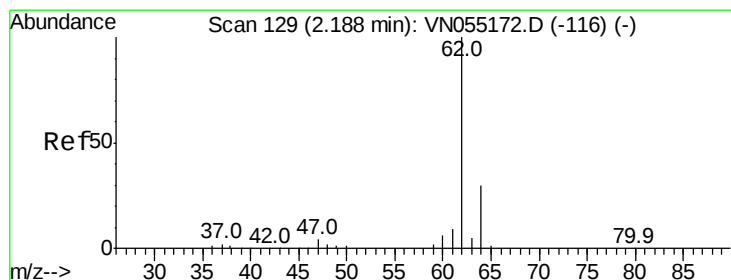
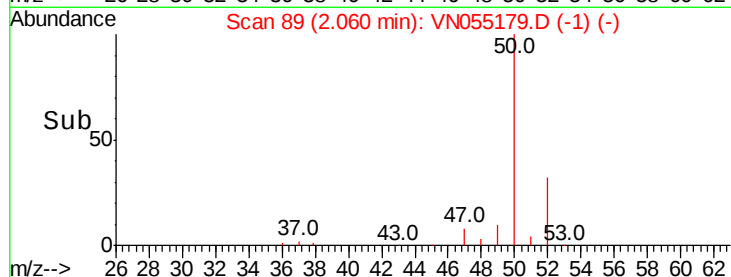
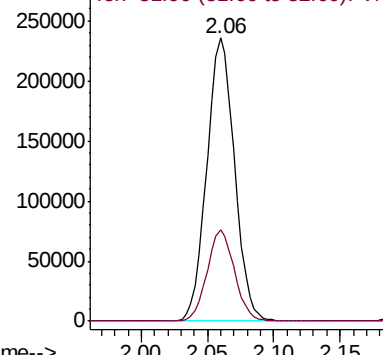
MMDadoda

4/23/2019 1:47:13 PM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 48.856 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055179.D

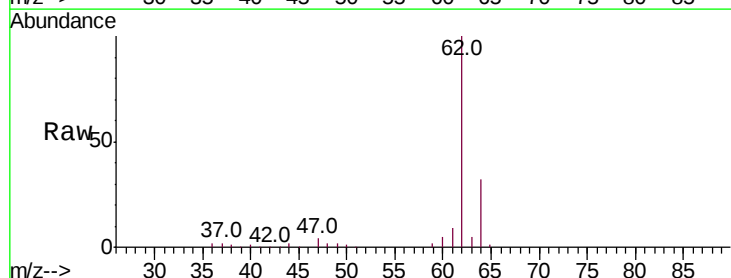
Acq: 22 Apr 2019 13:46

Tgt Ion: 62 Resp: 272432

Ion Ratio Lower Upper

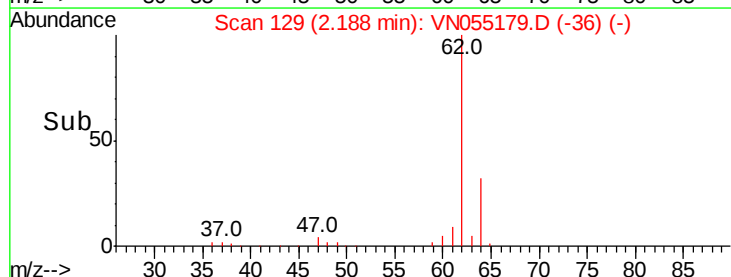
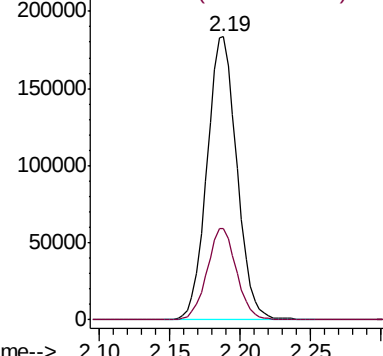
62 100

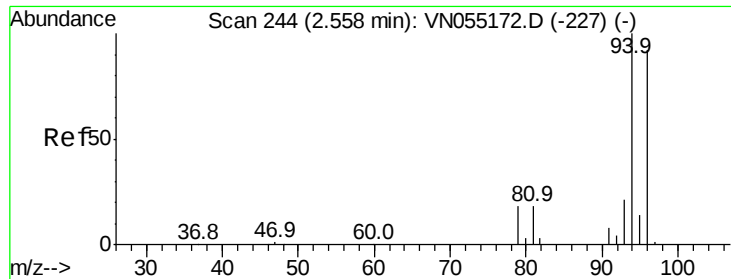
64 32.5 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 43.963 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.01 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

Tot Ion: 94 Resp: 142169

Ion Ratio Lower Upper

94 100

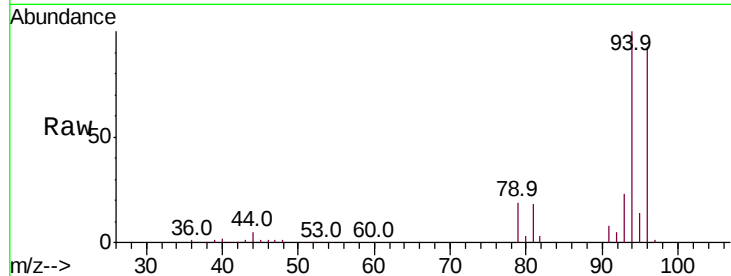
96 93.0 73.4 110.2

Manual Integrations

APPROVED

MMDadoda

4/23/2019 1:47:13 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

80000

60000

40000

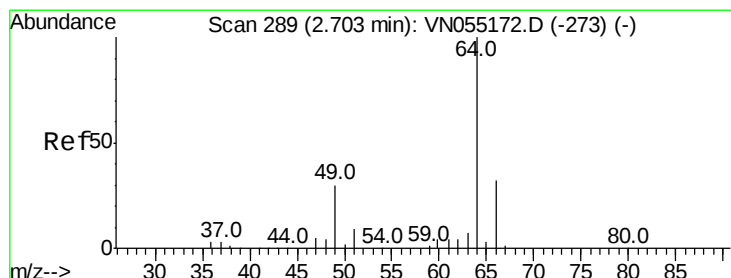
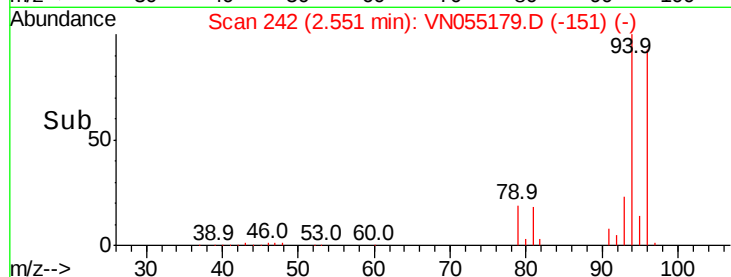
20000

0

Time-->

2.50

2.60



#6

Chloroethane

Concen: 48.063 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN055179.D

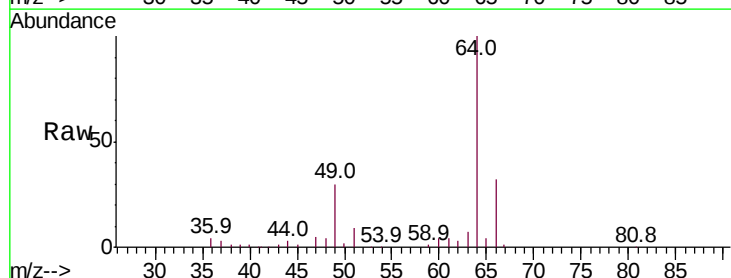
Acq: 22 Apr 2019 13:46

Tgt Ion: 64 Resp: 141256

Ion Ratio Lower Upper

64 100

66 31.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

80000

60000

40000

20000

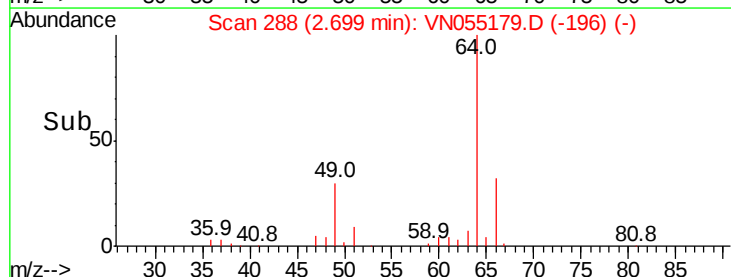
0

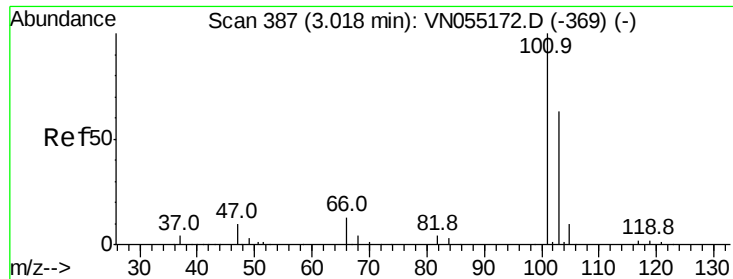
Time-->

2.60

2.70

2.80





#7

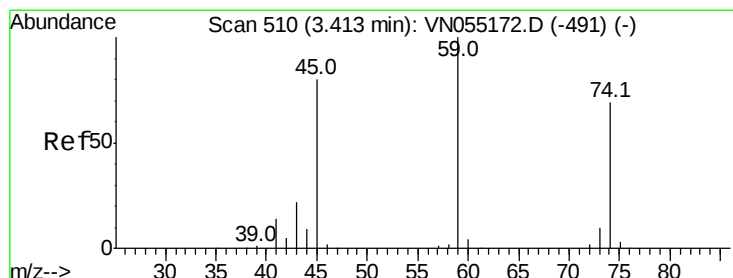
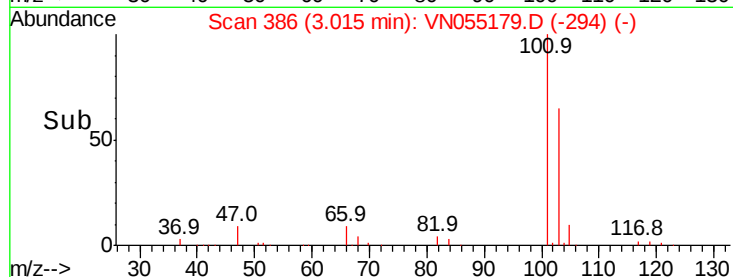
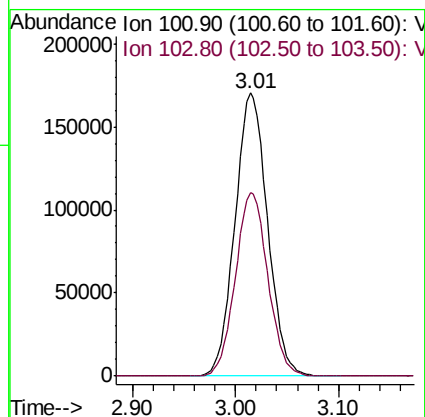
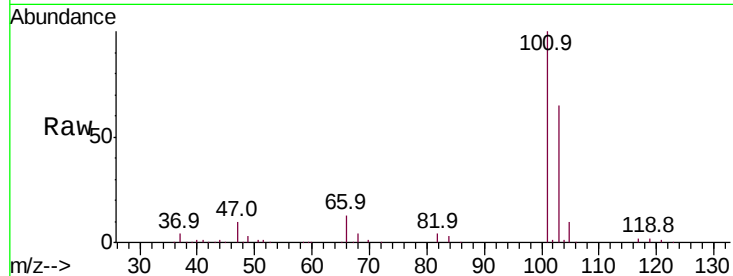
Trichlorofluoromethane
 Concen: 49.348 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

Tot Ion:101 Resp: 374471
 Ion Ratio Lower Upper
 101 100
 103 64.8 50.1 75.1

Manual Integrations
 APPROVED

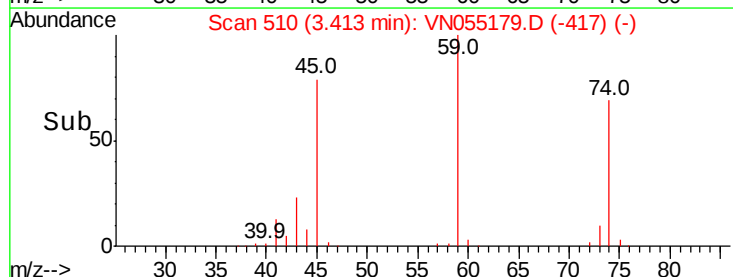
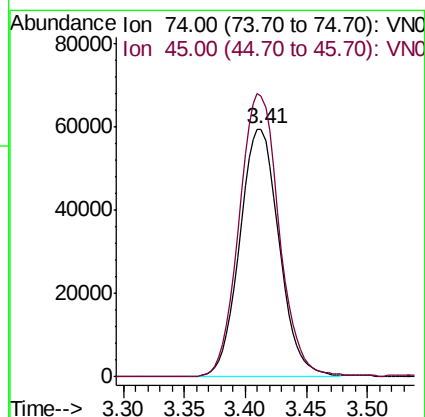
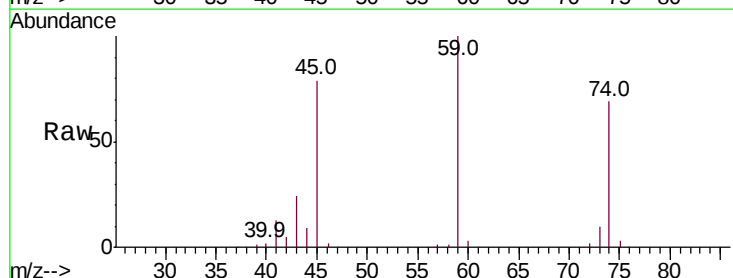
MMDadoda
 4/23/2019 1:47:13 PM

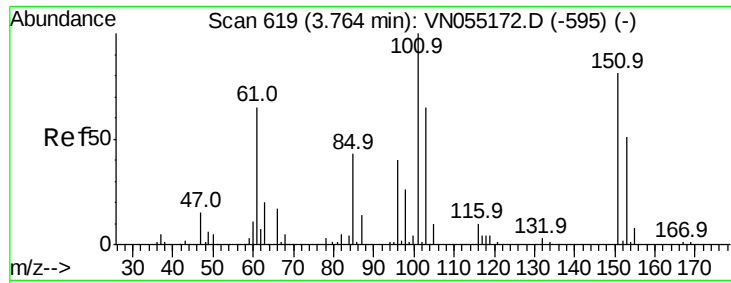


#8

Diethyl Ether
 Concen: 49.239 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion: 74 Resp: 133363
 Ion Ratio Lower Upper
 74 100
 45 114.8 56.9 170.6





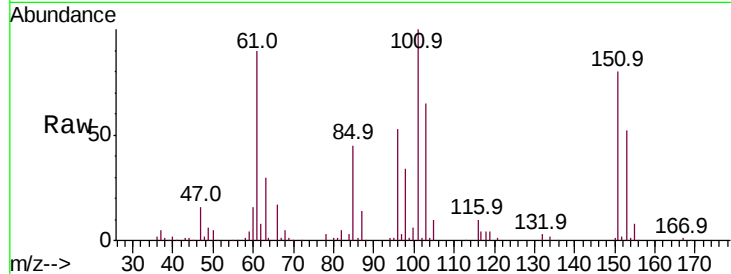
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.279 ug/l
RT: 3.76 min Scan# 617
Delta R.T. -0.01 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.0	34.9	52.3
151	79.4	63.8	95.8

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:47:13 PM

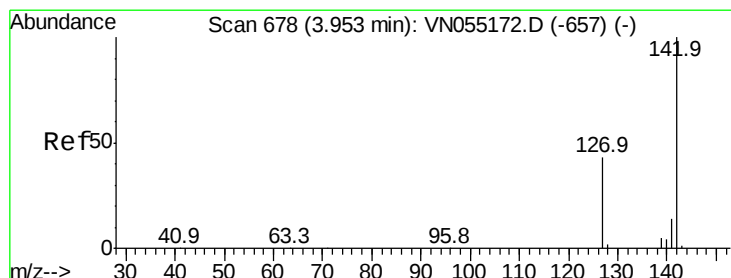
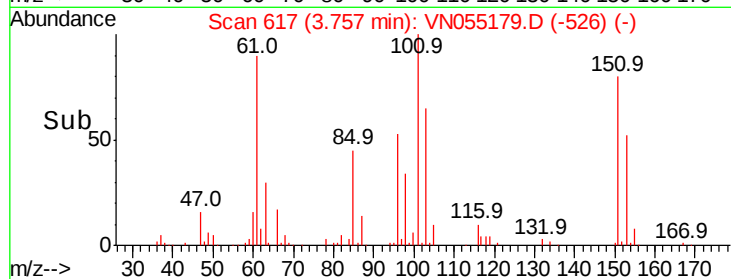
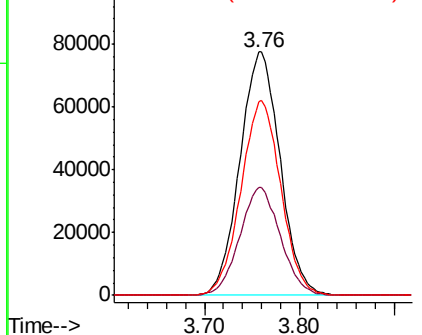


Abundance

Ion 100.90 (100.60 to 101.60): V

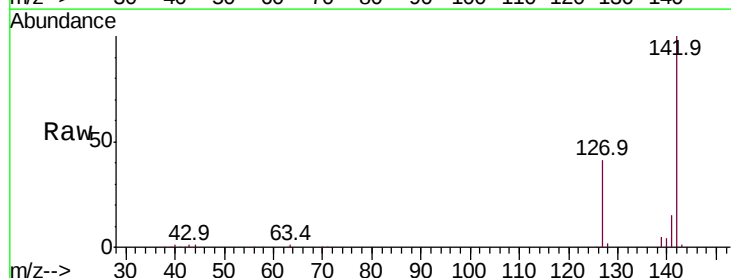
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 51.017 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.4	34.1	51.1
141	14.6	11.4	17.2

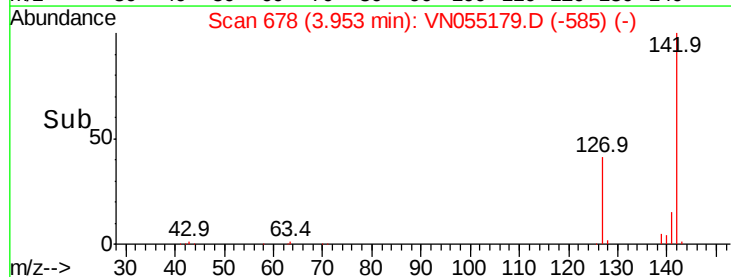
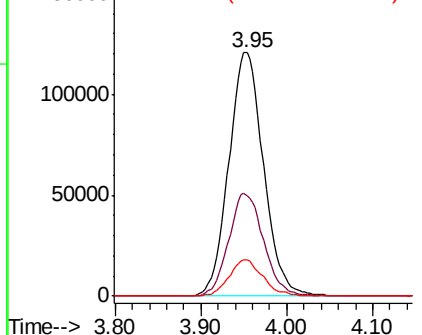


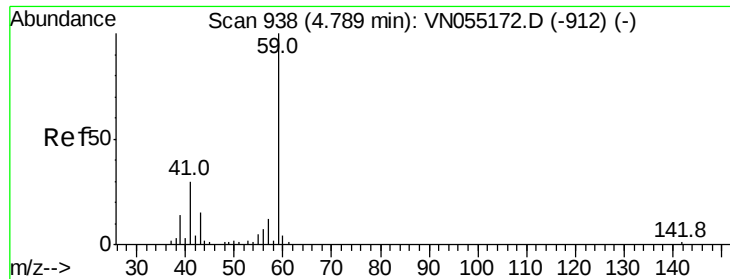
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





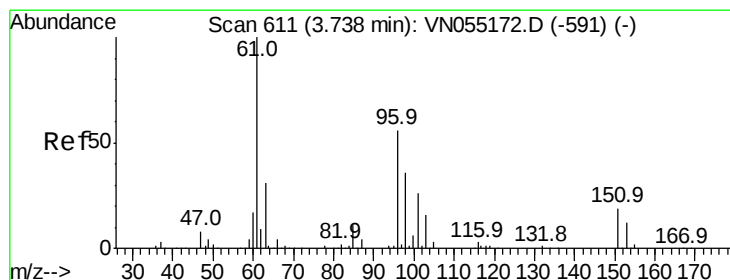
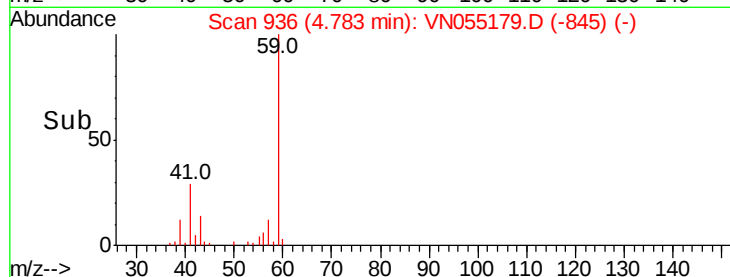
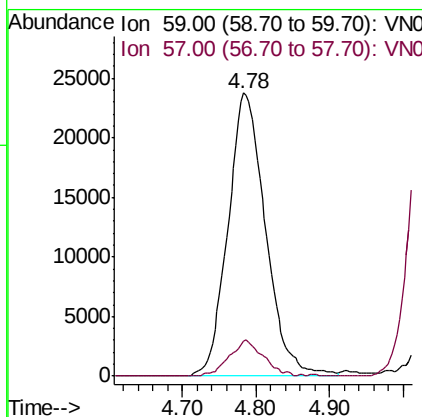
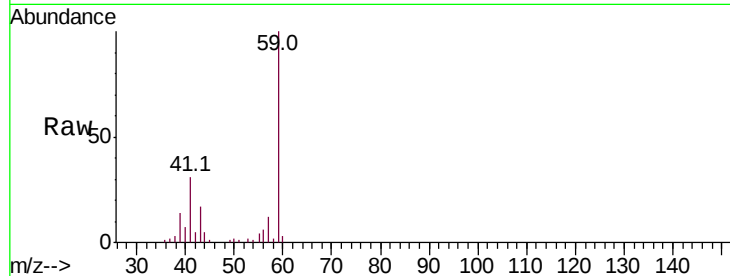
#11
Tert butyl alcohol
Concen: 241.660 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.01 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion: 59 Resp: 84230
Ion Ratio Lower Upper
59 100
57 11.5 8.8 13.2

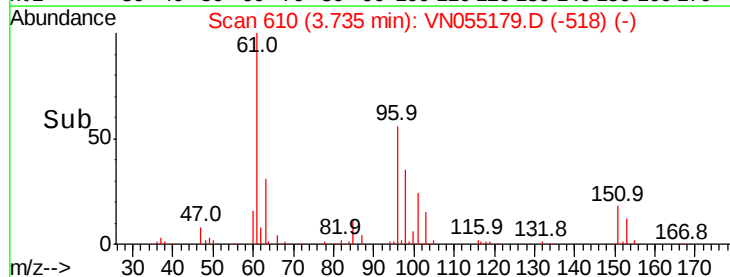
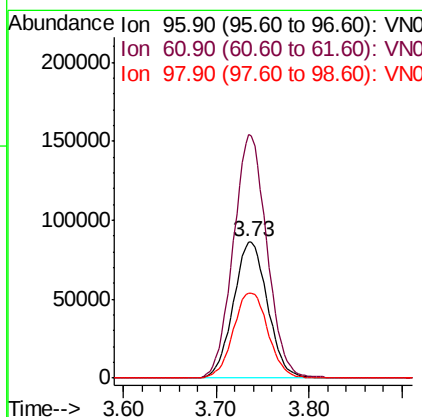
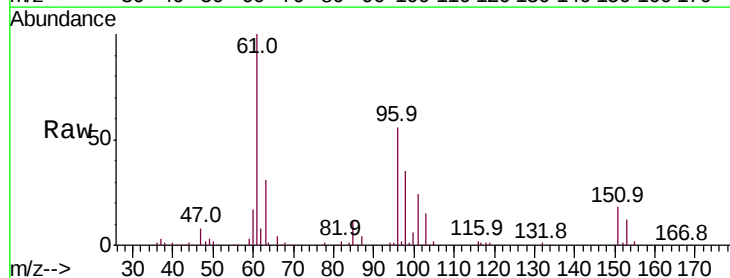
Manual Integrations
APPROVED

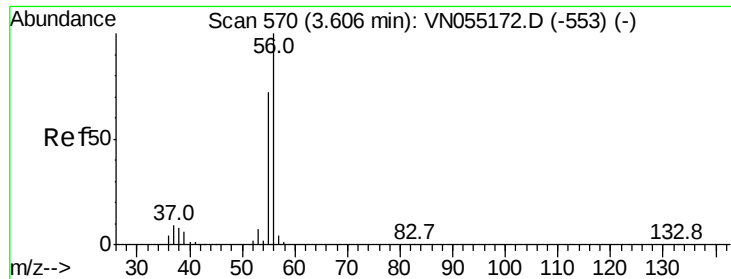
MMDadoda
4/23/2019 1:47:13 PM



#12
1,1-Dichloroethene
Concen: 48.689 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion: 96 Resp: 220952
Ion Ratio Lower Upper
96 100
61 178.7 142.1 213.1
98 62.6 51.2 76.8





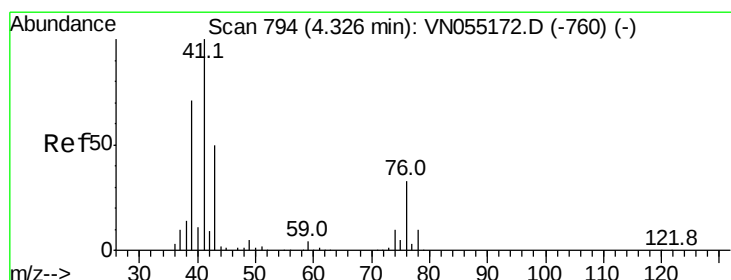
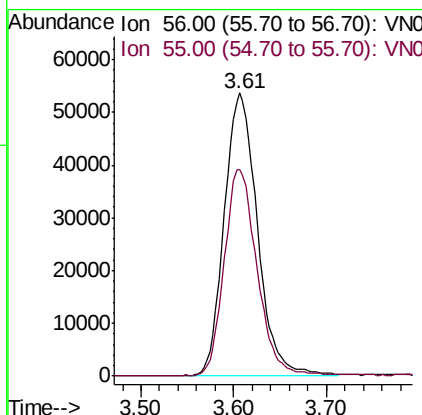
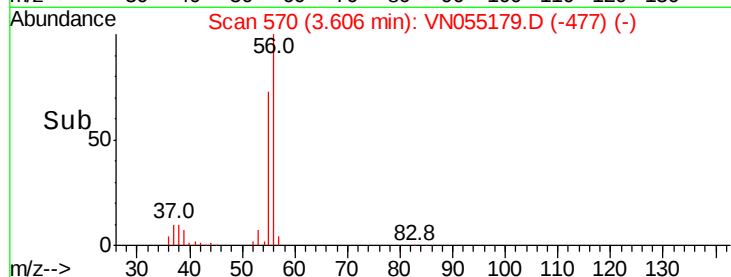
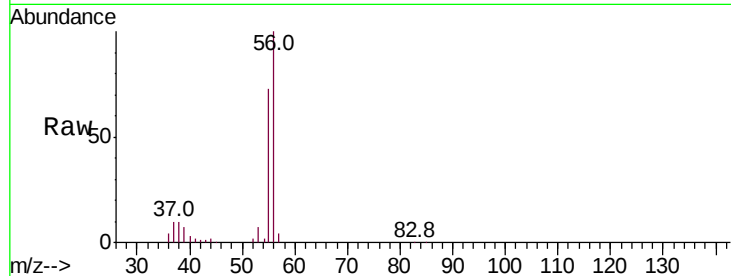
#13
Acrolein
Concen: 255.448 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion	56	Resp	133581
Ion Ratio	Lower	Upper	
56	100		
55	72.3	57.4	86.0

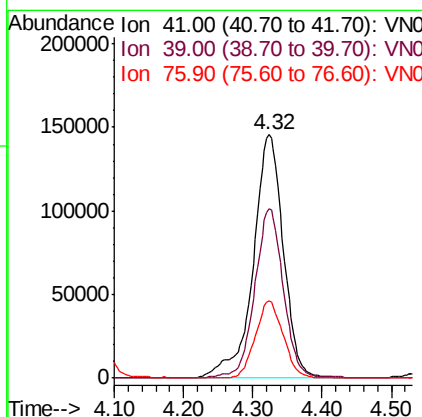
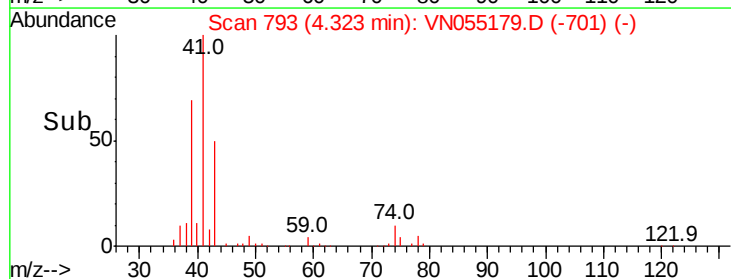
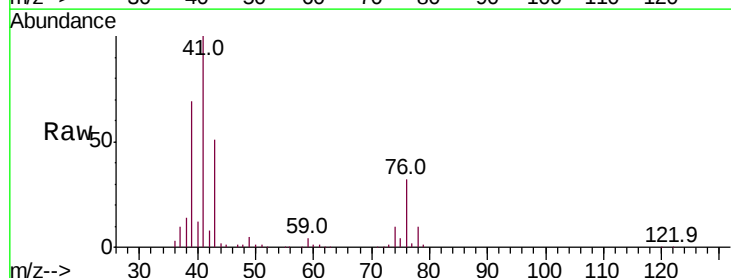
Manual Integrations
APPROVED

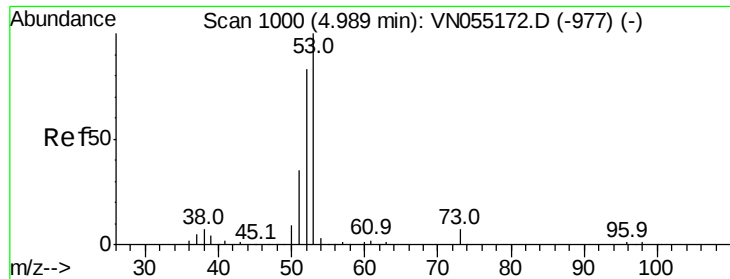
MMDadoda
4/23/2019 1:47:13 PM



#14
Allyl chloride
Concen: 48.974 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion	41	Resp	439353
Ion Ratio	Lower	Upper	
41	100		
39	65.4	52.9	79.3
76	29.4	23.6	35.4





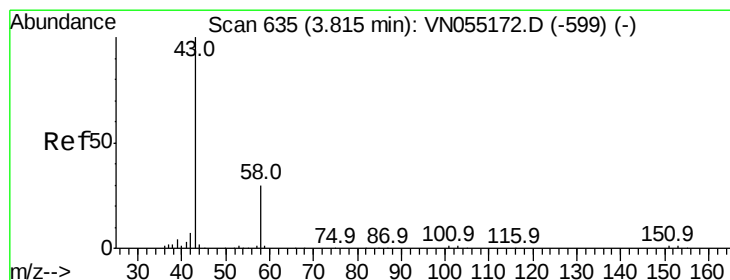
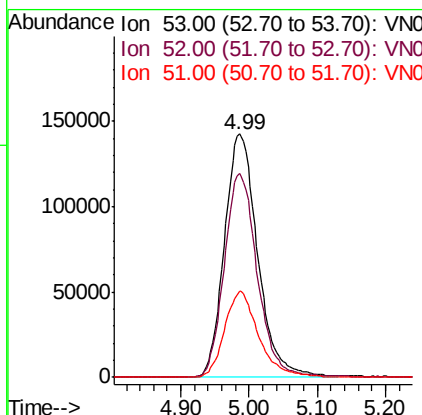
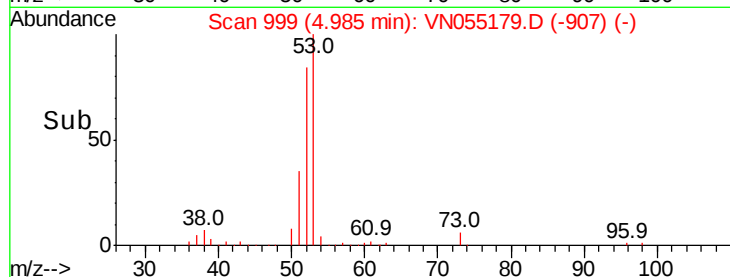
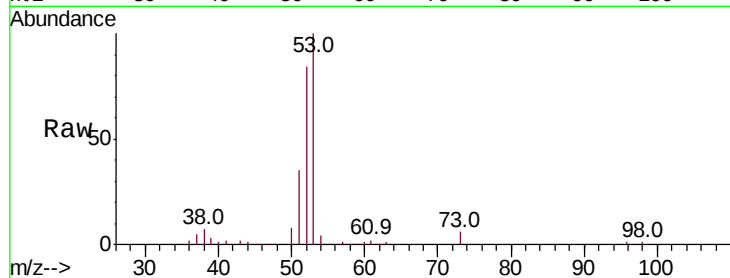
#15
 Acrylonitrile
 Concen: 253.132 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

Tot Ion:	53	Resp:	483869
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.8	98.8
51	36.2	28.9	43.3

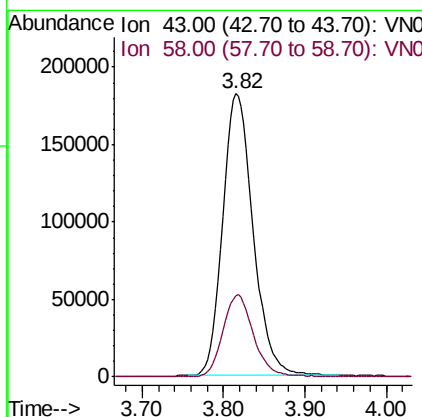
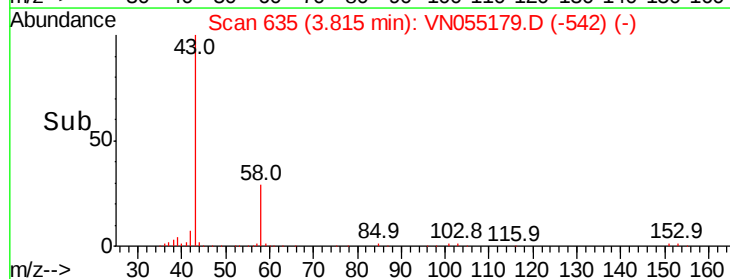
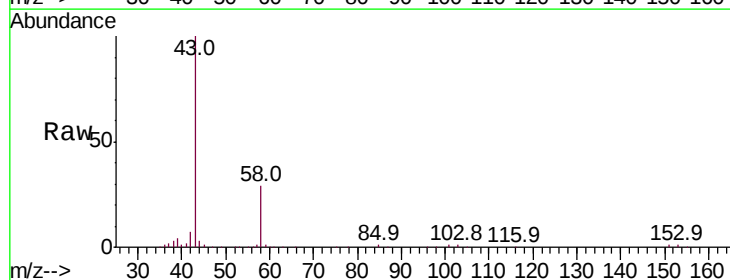
Manual Integrations
 APPROVED

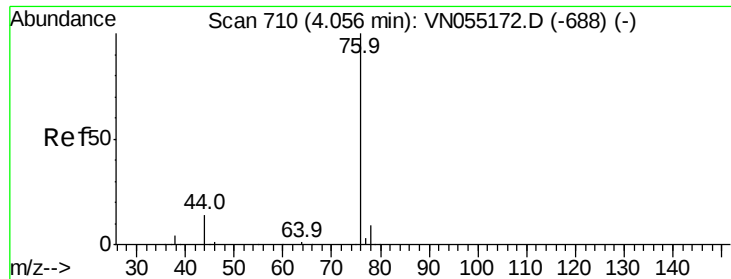
MMDadoda
 4/23/2019 1:47:13 PM



#16
 Acetone
 Concen: 241.975 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion:	43	Resp:	477569
Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.8	35.8





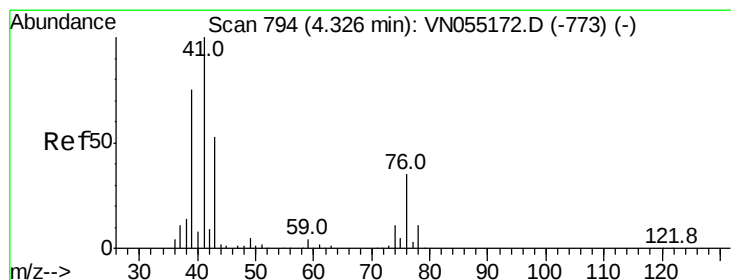
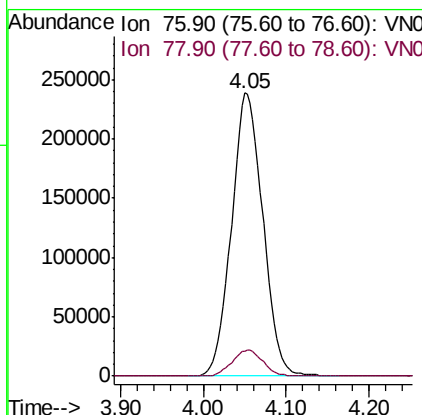
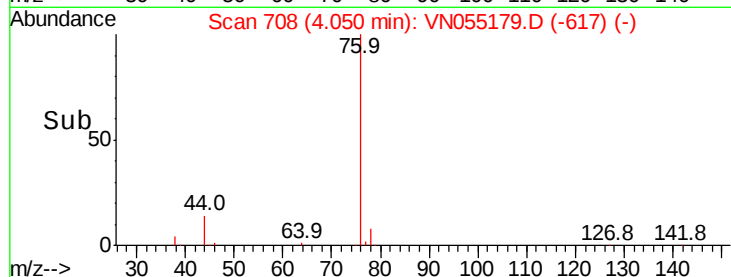
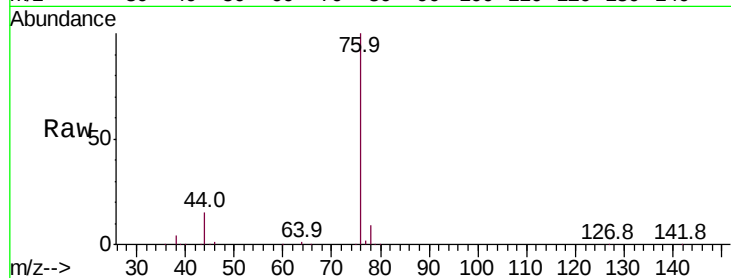
#17
Carbon Disulfide
Concen: 49.474 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.01 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

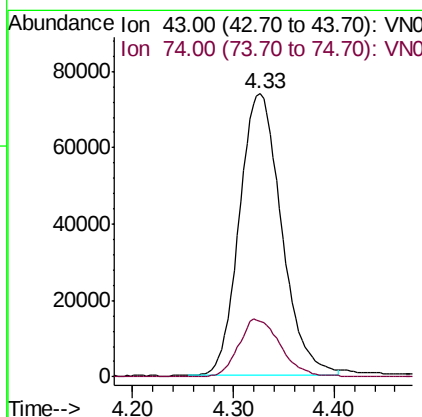
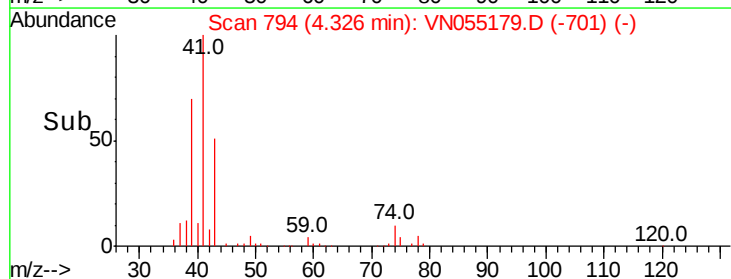
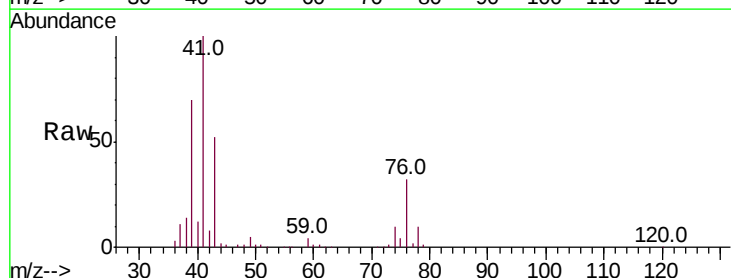
Manual Integrations
APPROVED

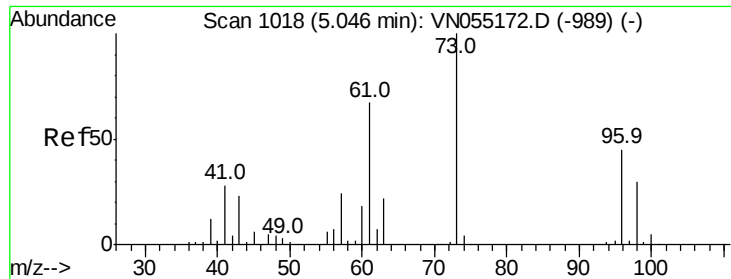
MMDadoda
4/23/2019 1:47:13 PM



#18
Methyl Acetate
Concen: 50.606 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	16.7	25.1





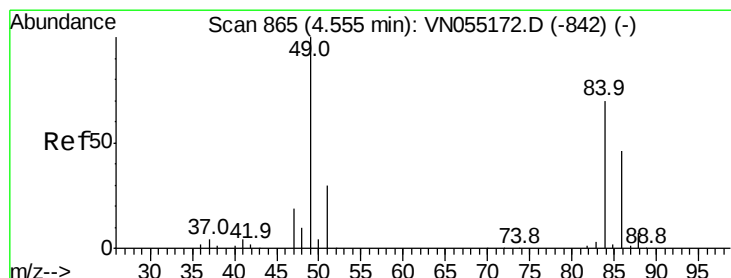
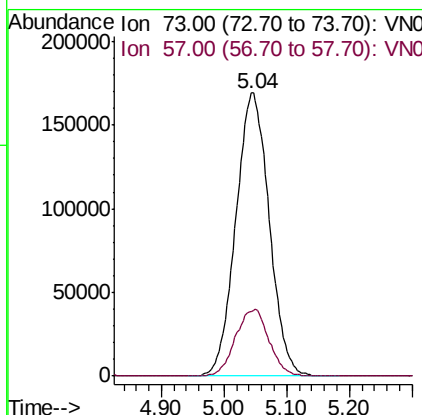
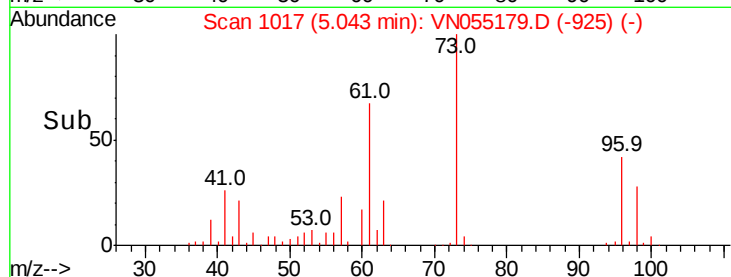
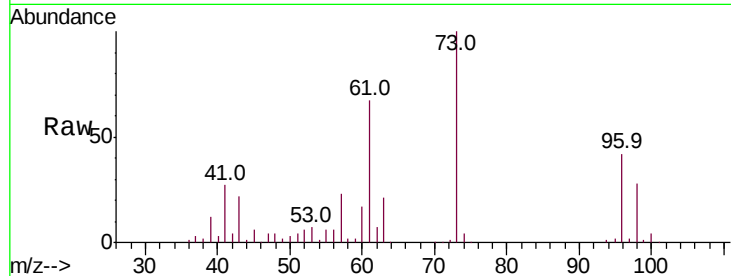
#19
Methvl tert-butvl Ether
Concen: 49.834 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion: 73 Resp: 625248
Ion Ratio Lower Upper
73 100
57 23.0 19.5 29.3

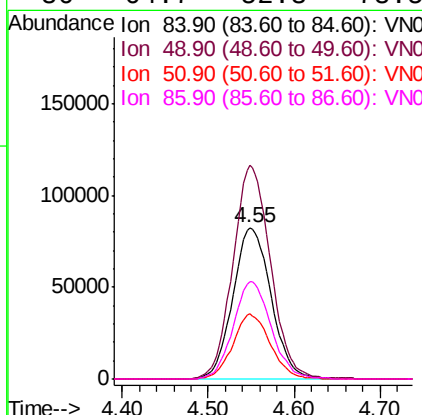
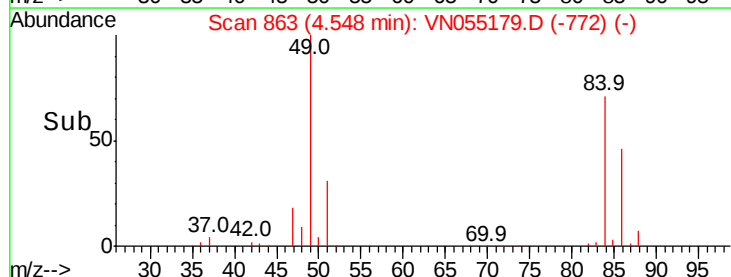
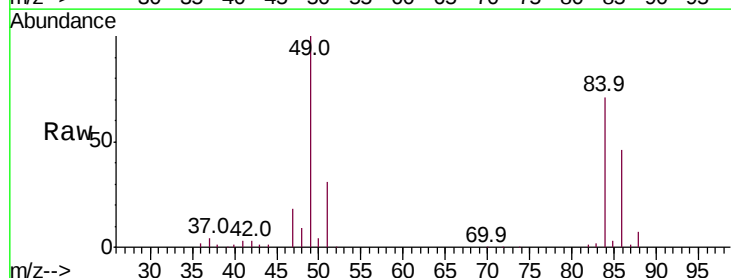
Manual Integrations
APPROVED

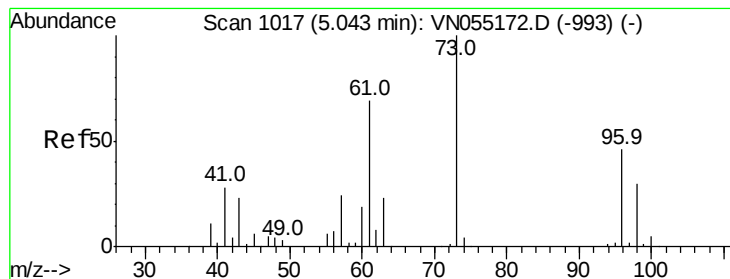
MMDadoda
4/23/2019 1:47:13 PM



#20
Methylene Chloride
Concen: 44.874 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion: 84 Resp: 254609
Ion Ratio Lower Upper
84 100
49 140.9 113.8 170.6
51 43.2 34.0 51.0
86 64.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 48.925 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

Tot Ion: 96 Resp: 232815

Ion Ratio Lower Upper

96 100

61 158.9 119.3 178.9

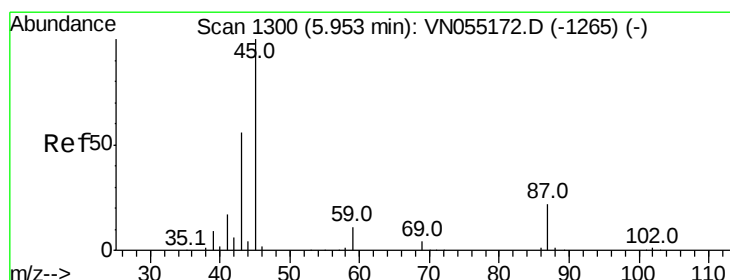
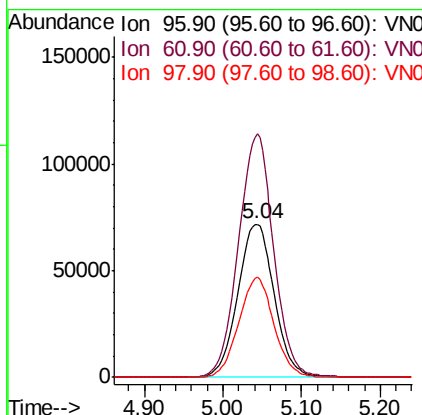
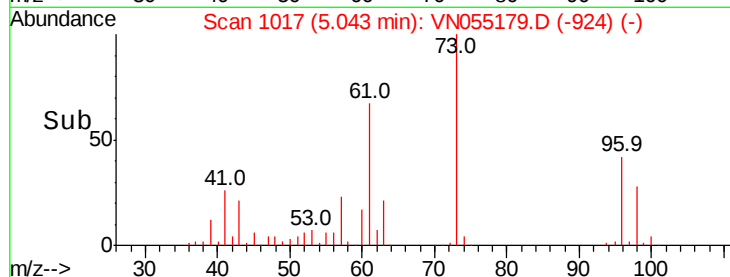
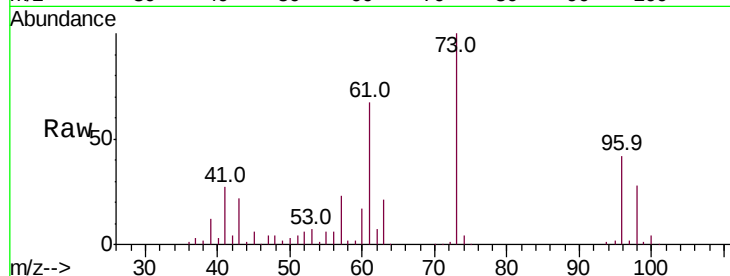
98 65.4 53.0 79.4

Manual Integrations

APPROVED

MMDadoda

4/23/2019 1:47:13 PM



#22

Diisopropyl ether

Concen: 48.667 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Tgt Ion: 45 Resp: 870271

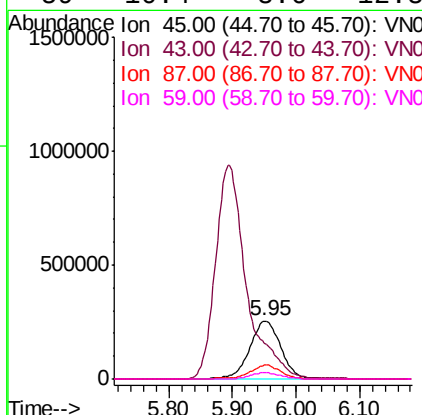
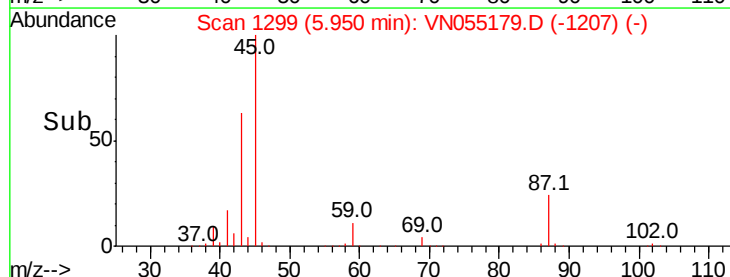
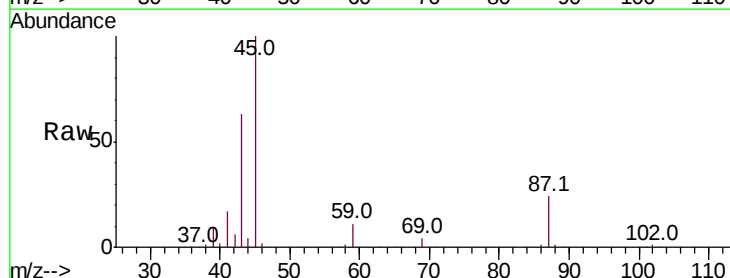
Ion Ratio Lower Upper

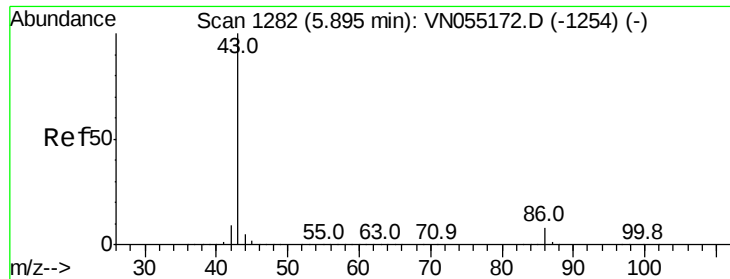
45 100

43 61.7 47.4 71.0

87 23.4 18.4 27.6

59 10.4 8.6 12.8





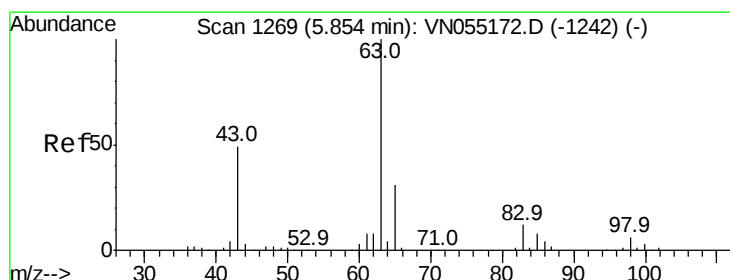
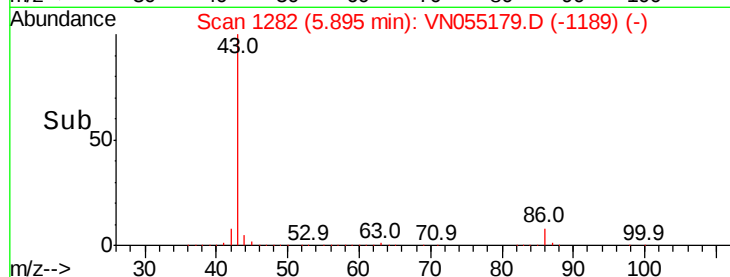
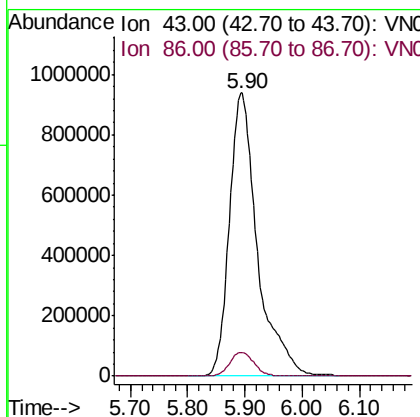
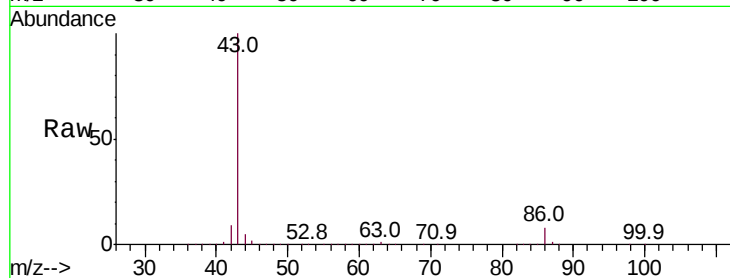
#23
 Vinyl Acetate
 Concen: 265.108 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

Tot Ion: 43 Resp: 3185742
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.8 10.2

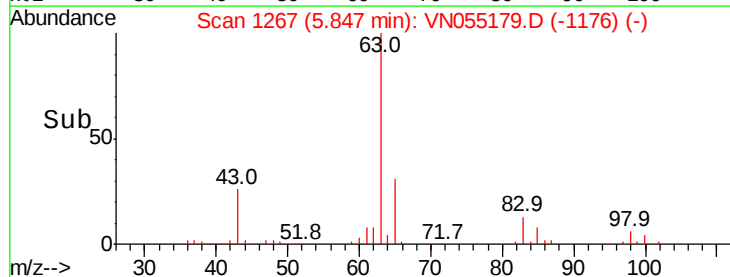
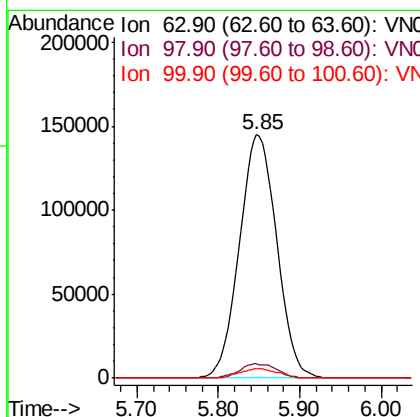
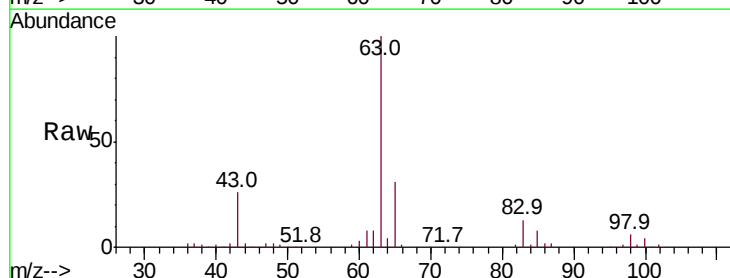
Manual Integrations
 APPROVED

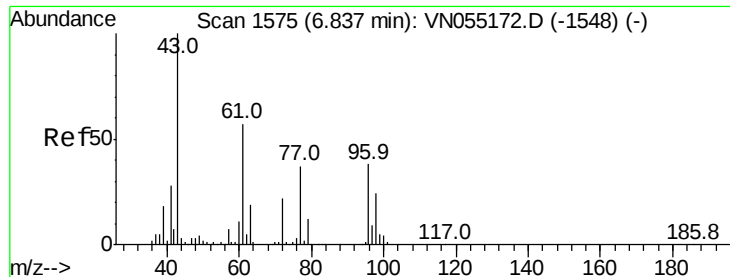
MMDadoda
 4/23/2019 1:47:13 PM



#24
 1,1-Dichloroethane
 Concen: 47.640 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion: 63 Resp: 458231
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.1 9.3
 100 3.8 1.8 5.3





#25

2-Butanone

Concen: 250.538 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

Tot Ion: 43 Resp: 638378

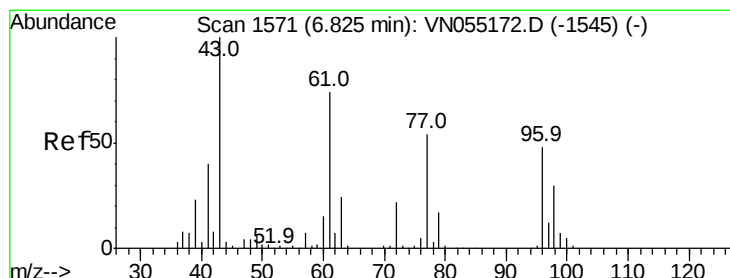
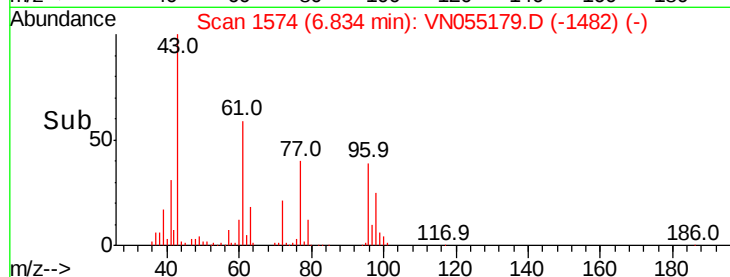
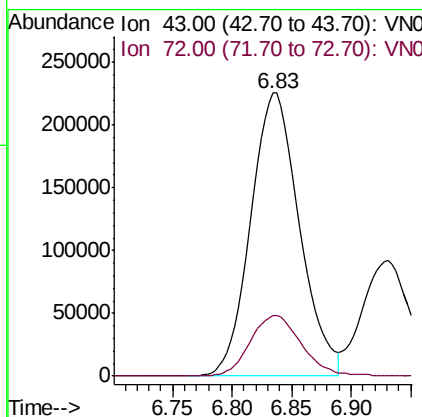
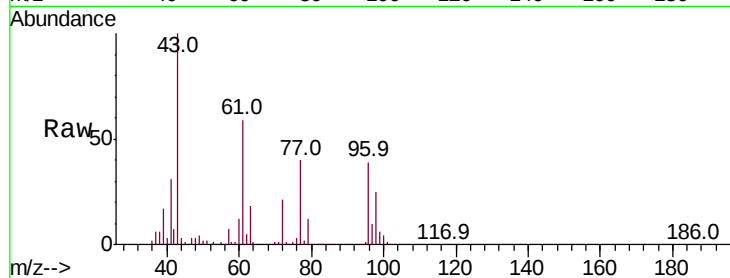
Ion Ratio Lower Upper

43 100

72 21.4 17.8 26.8

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:47:13 PM



#26

2,2-Dichloropropane

Concen: 49.343 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055179.D

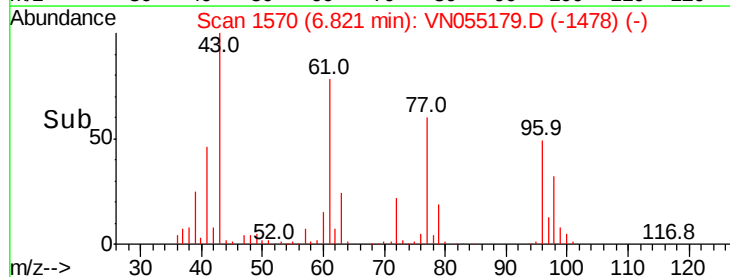
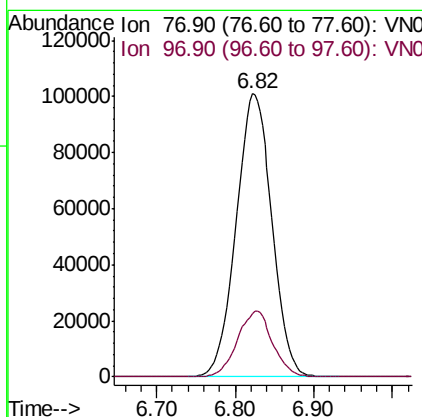
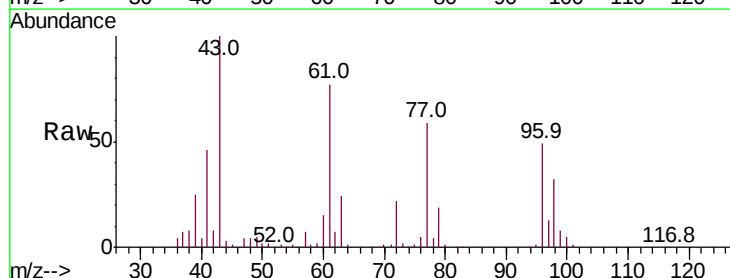
Acq: 22 Apr 2019 13:46

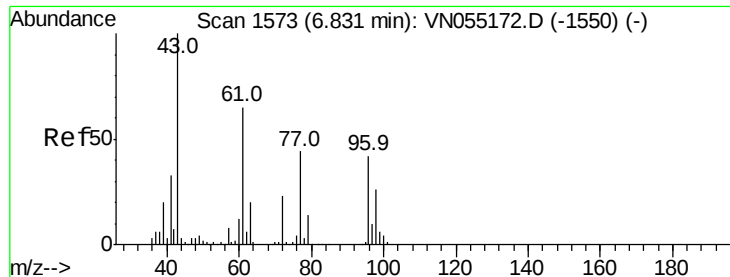
Tgt Ion: 77 Resp: 321173

Ion Ratio Lower Upper

77 100

97 23.1 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 48.104 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

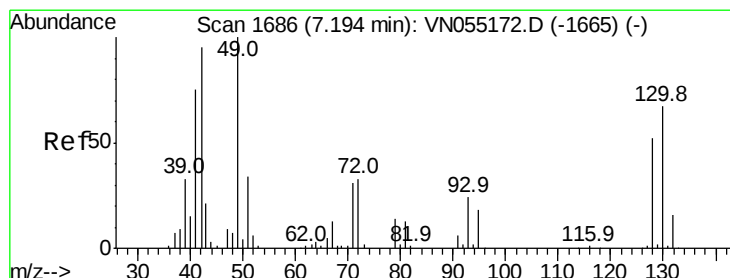
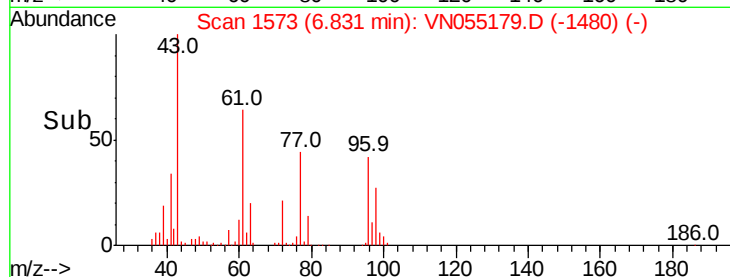
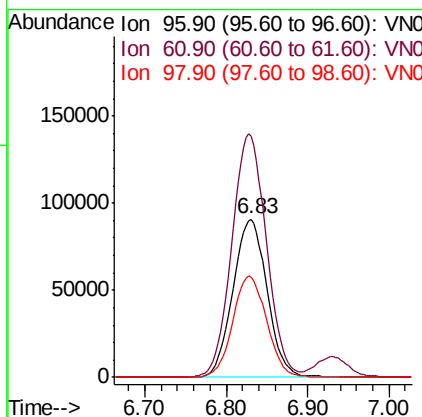
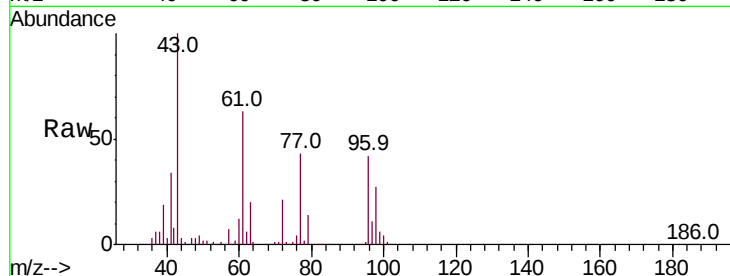
ClientSampleId :

ICVVN042219

Tot Ion	96	Resp	263877
Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	310.8
98	63.9	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:47:13 PM



#28

Bromochloromethane

Concen: 47.751 ug/l

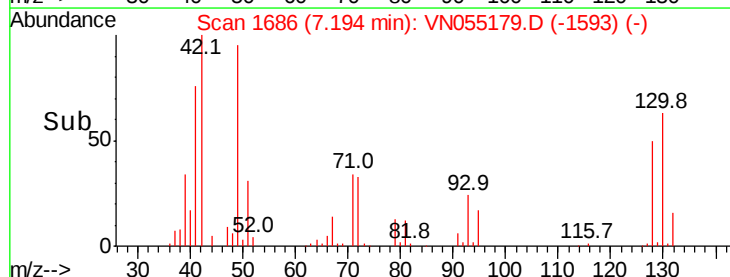
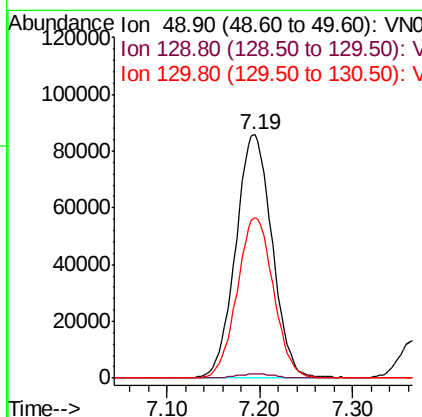
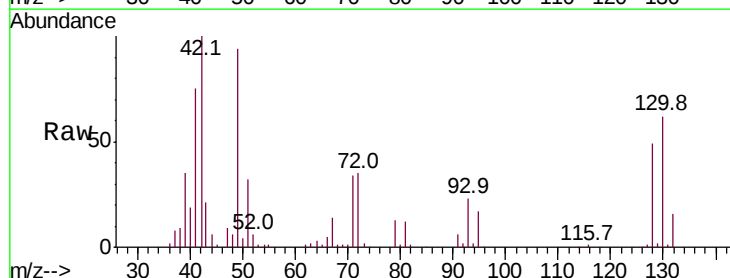
RT: 7.19 min Scan# 1686

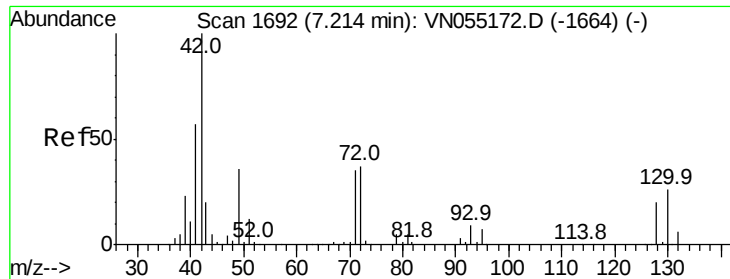
Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Tgt Ion	49	Resp	234126
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	65.6	53.4	80.2





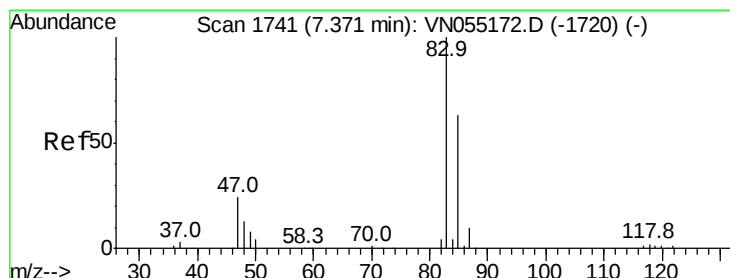
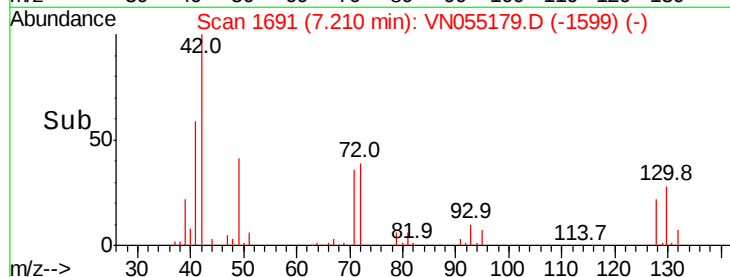
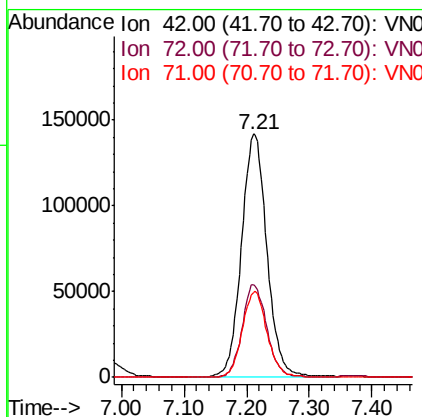
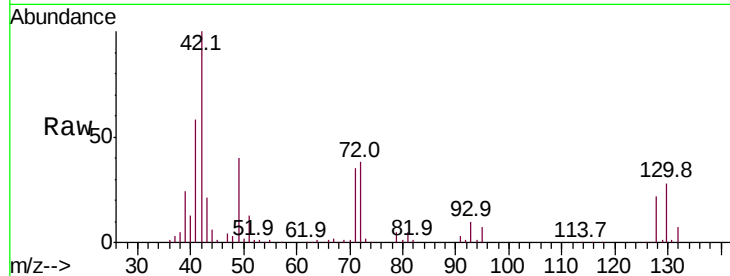
#29
Tetrahydrofuran
Concen: 254.468 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion	Ratio	Resp Lower	Upper
42	100		
72	37.1	29.4	44.2
71	34.5	27.8	41.8

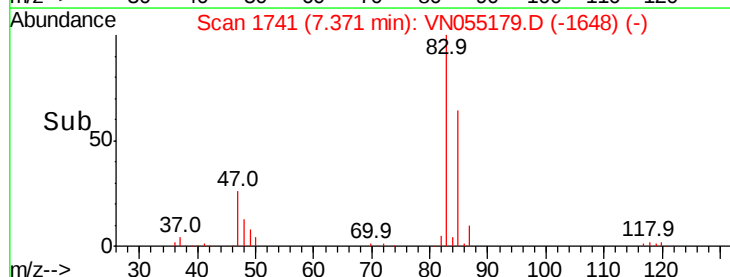
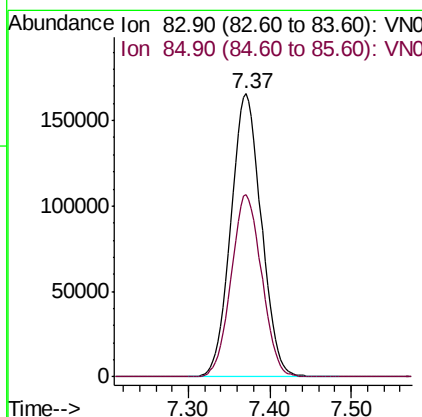
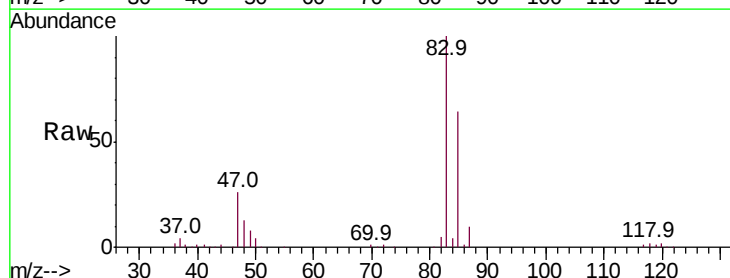
Manual Integrations
APPROVED

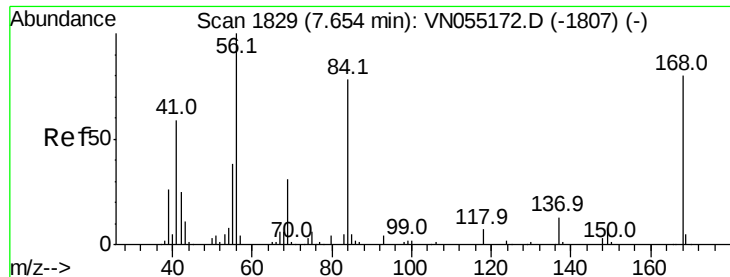
MMDadoda
4/23/2019 1:47:13 PM



#30
Chloroform
Concen: 47.197 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	64.3	50.6	76.0





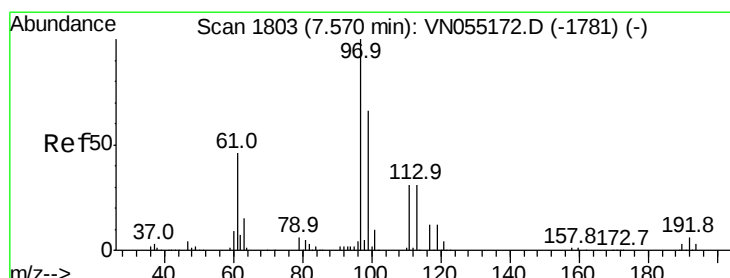
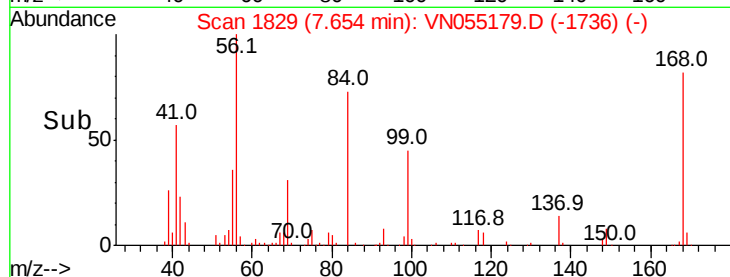
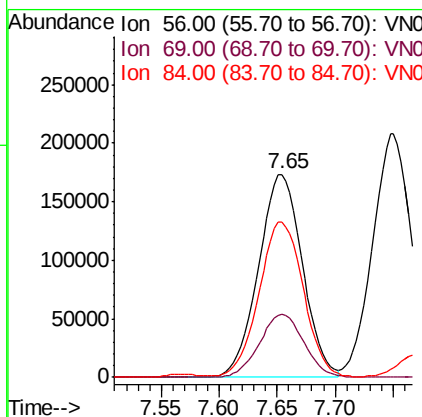
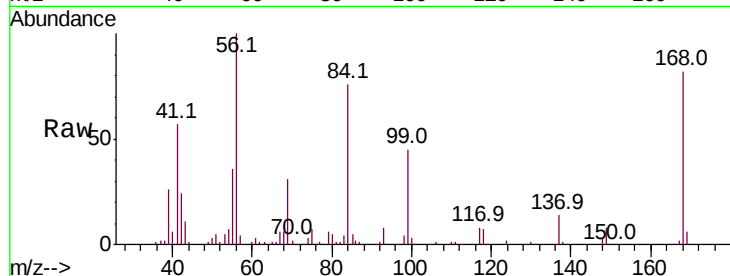
#31
Cyclohexane
Concen: 50.669 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.6	37.0
84	74.9	61.4	92.2

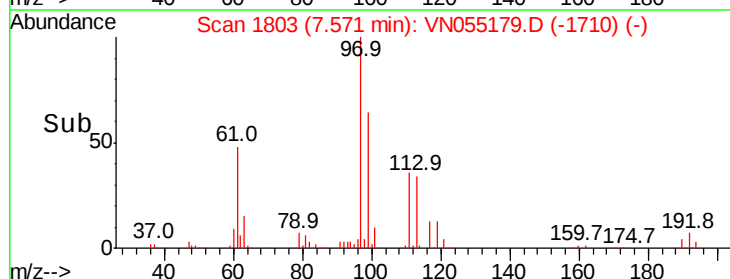
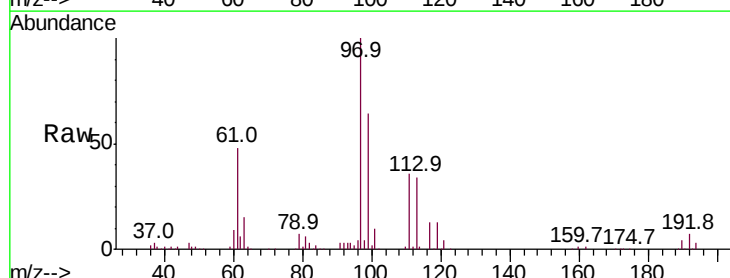
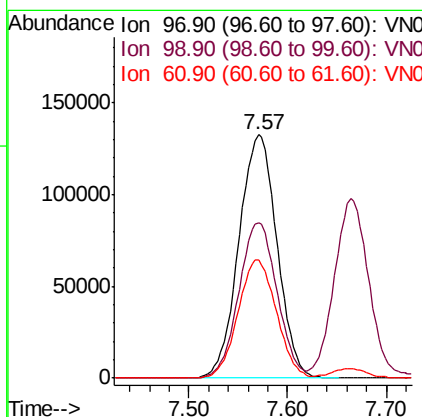
Manual Integrations
APPROVED

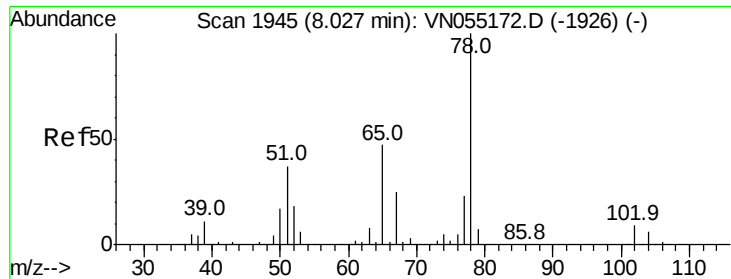
MMDadoda
4/23/2019 1:47:13 PM



#32
1,1,1-Trichloroethane
Concen: 48.276 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.1	76.7
61	48.9	38.3	57.5





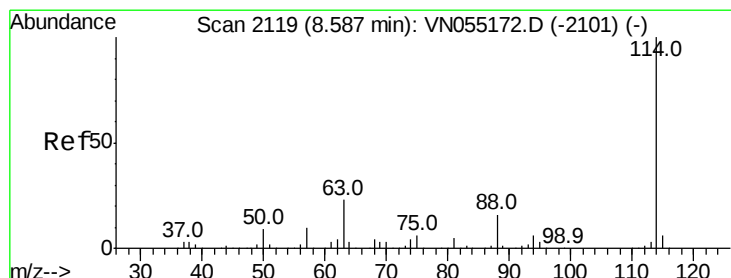
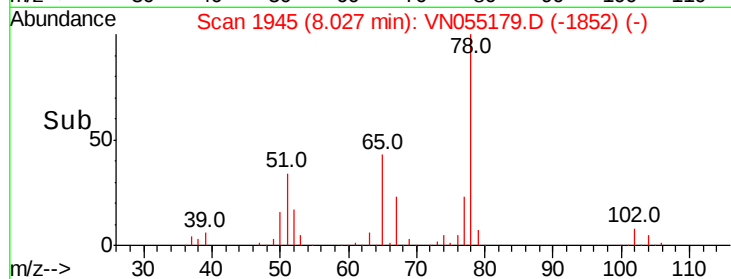
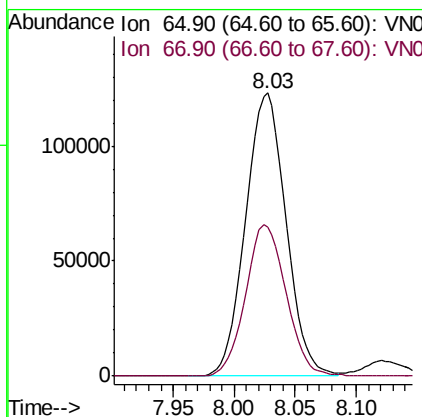
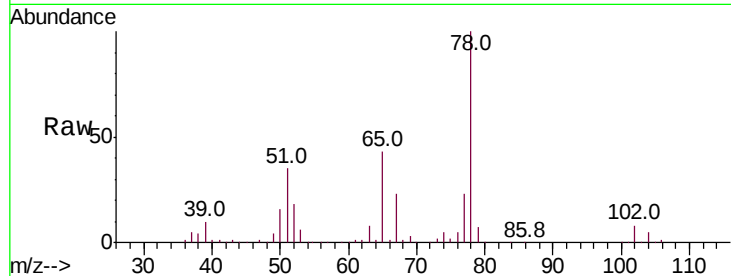
#33
 1,2-Dichloroethane-d4
 Concen: 47.233 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

Tot Ion	Ratio	Resp	Lower	Upper
65	100	281992		
67	53.5	0.0	108.6	

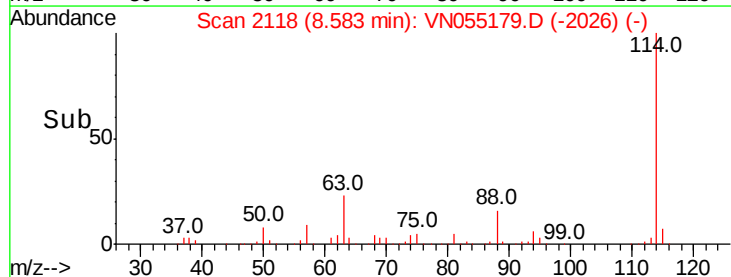
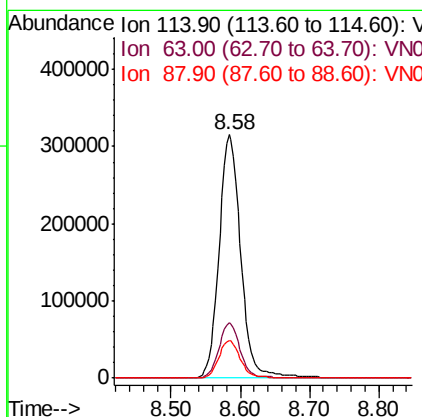
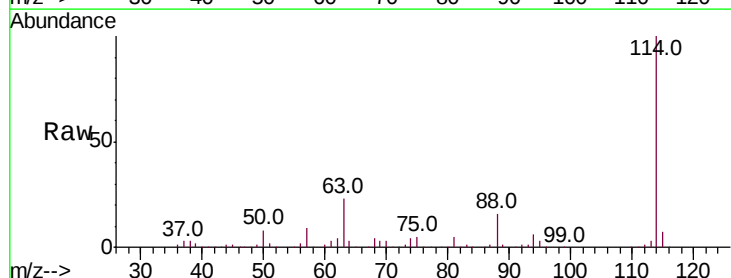
Manual Integrations
 APPROVED

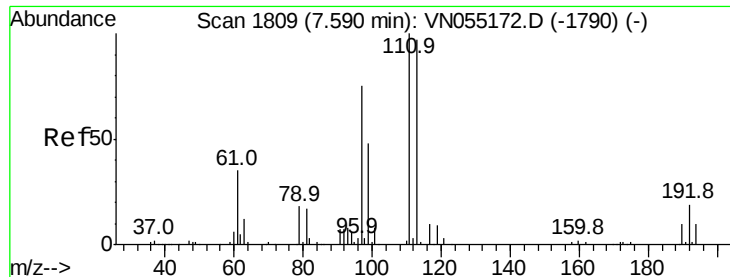
MMDadoda
 4/23/2019 1:47:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	685307		
63	22.9	0.0	45.2	
88	15.6	0.0	32.8	





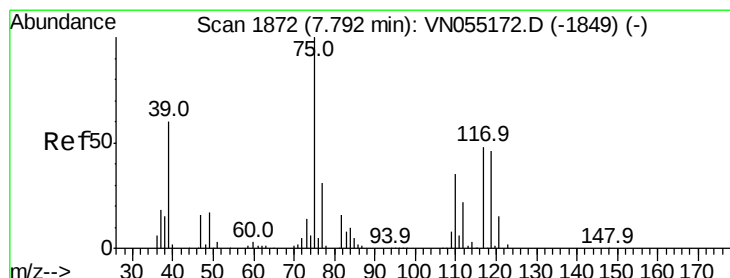
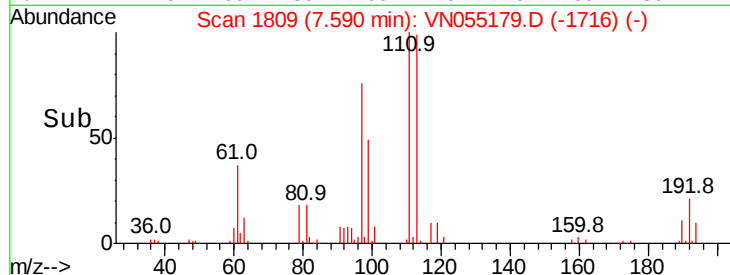
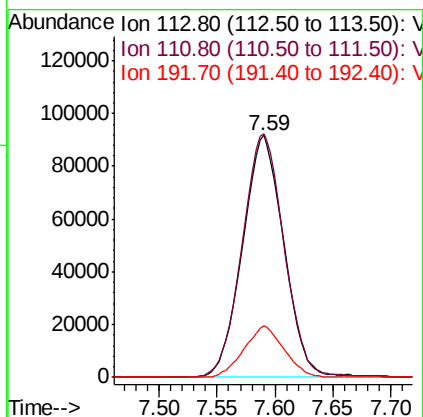
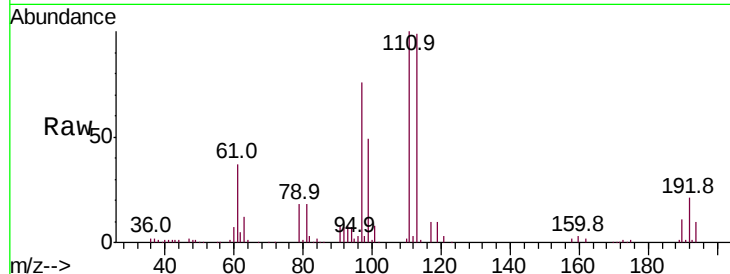
#35
 Dibromofluoromethane
 Concen: 48.649 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.0	121.4
192	20.7	16.2	24.4

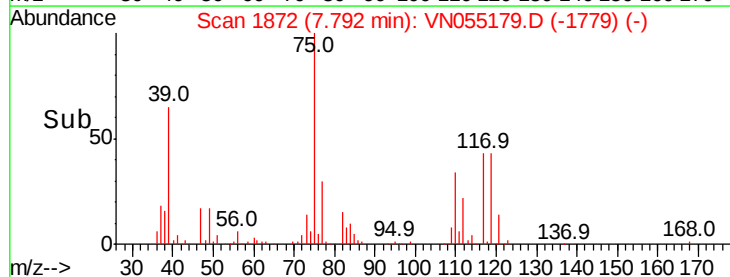
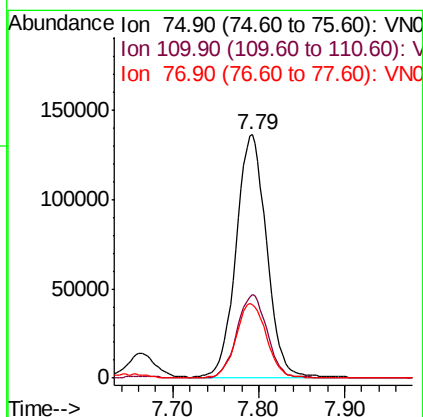
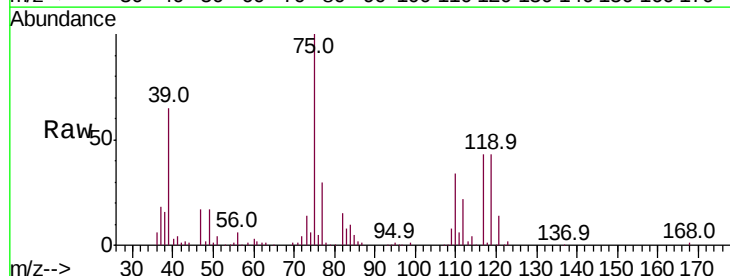
Manual Integrations
 APPROVED

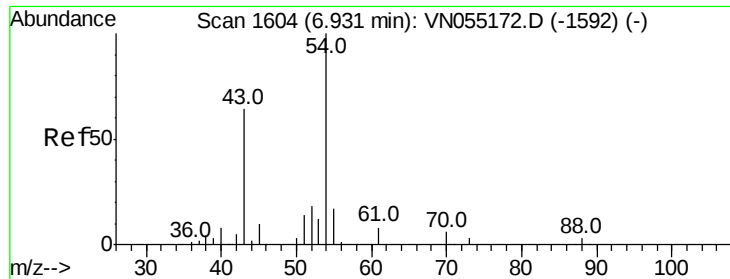
MMDadoda
 4/23/2019 1:47:13 PM



#36
 1,1-Dichloropropene
 Concen: 52.660 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.1	51.2
77	31.0	24.6	36.8





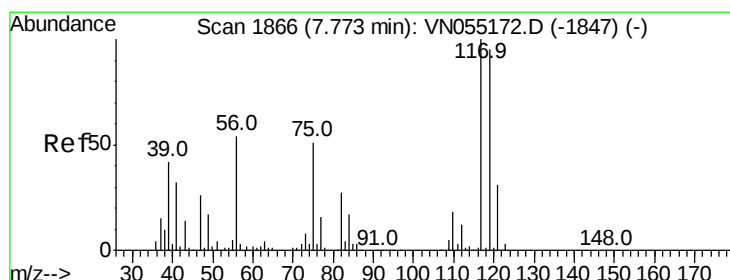
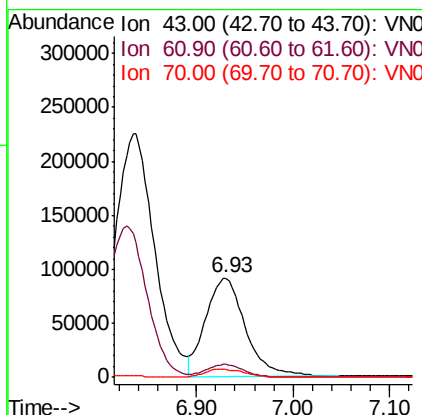
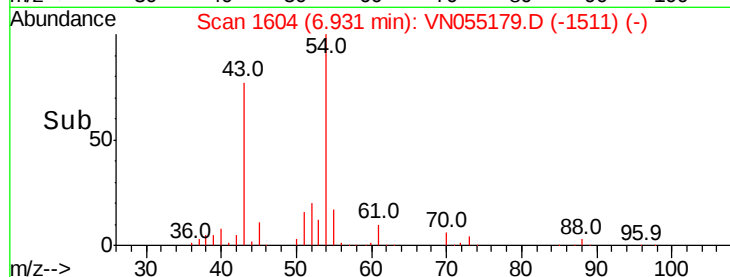
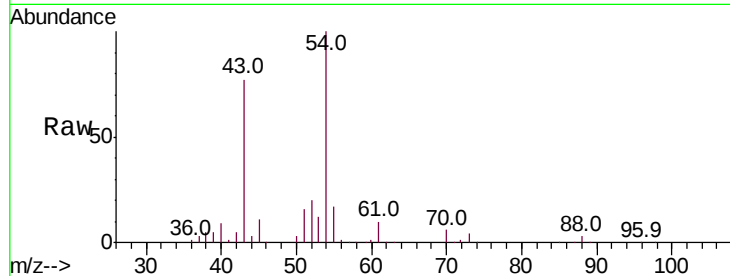
#37
Ethyl Acetate
Concen: 50.766 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion	Ratio	Resp	Lower	Upper
43	100	260598		
61	12.0		9.7	14.5
70	8.5		6.9	10.3

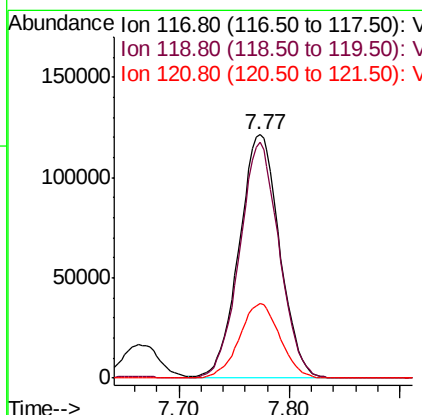
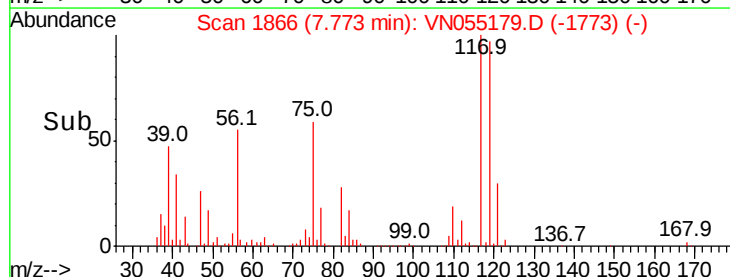
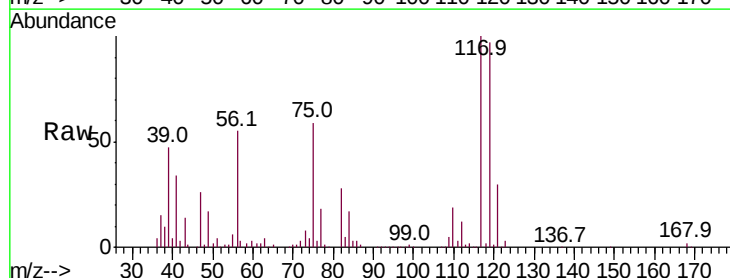
Manual Integrations
APPROVED

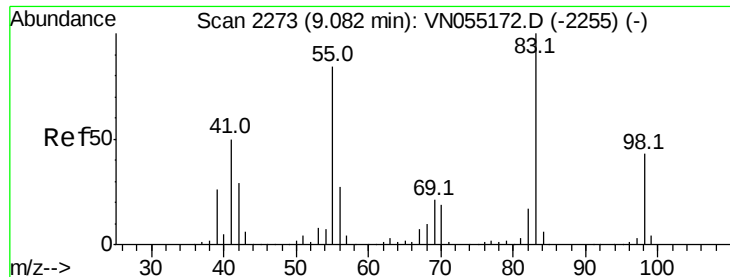
MMDadoda
4/23/2019 1:47:13 PM



#38
Carbon Tetrachloride
Concen: 51.559 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	307105		
119	96.8		76.0	114.0
121	30.6		24.6	36.8





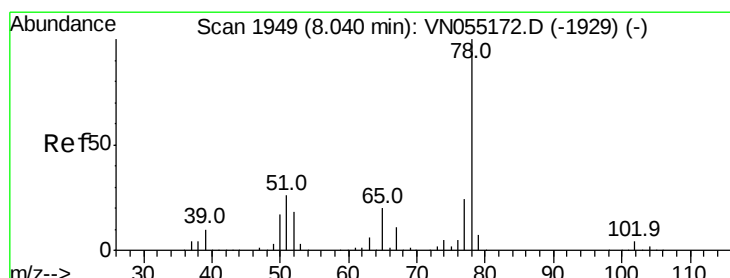
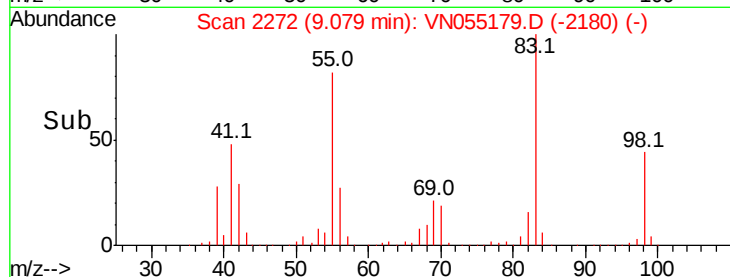
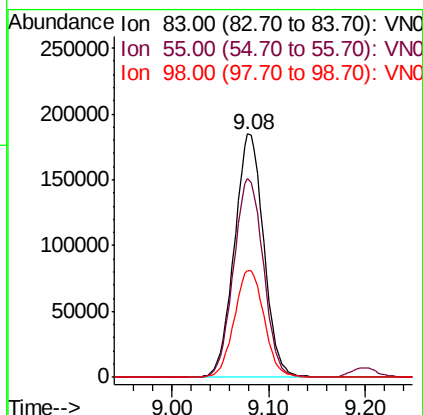
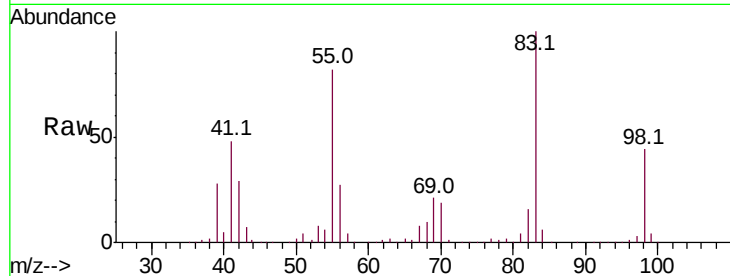
#39
Methvlcvclohexane
Concen: 51.363 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.6	67.4	101.0
98	44.1	34.7	52.1

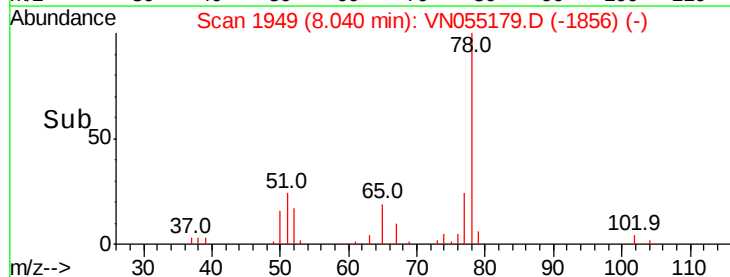
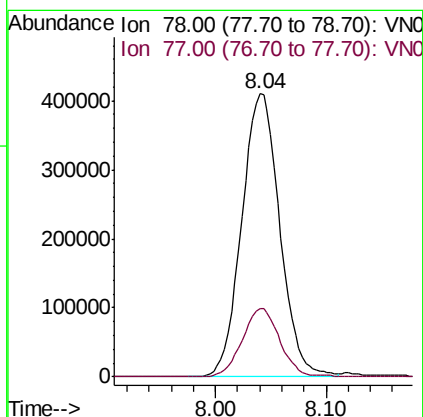
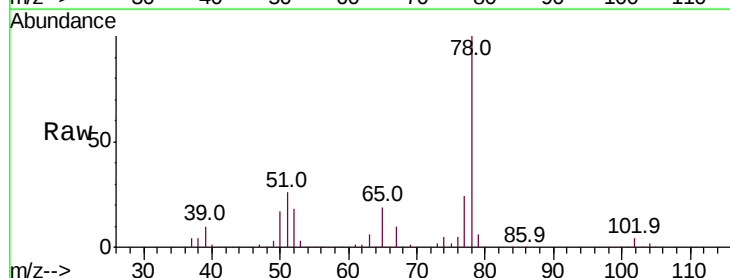
Manual Integrations
APPROVED

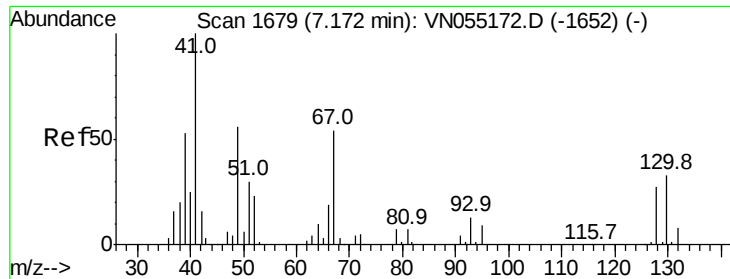
MMDadoda
4/23/2019 1:47:13 PM



#40
Benzene
Concen: 49.985 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.5	29.3





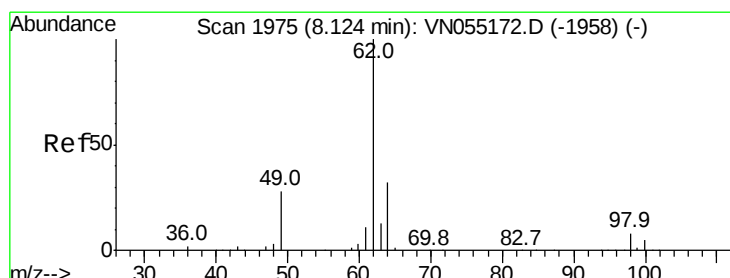
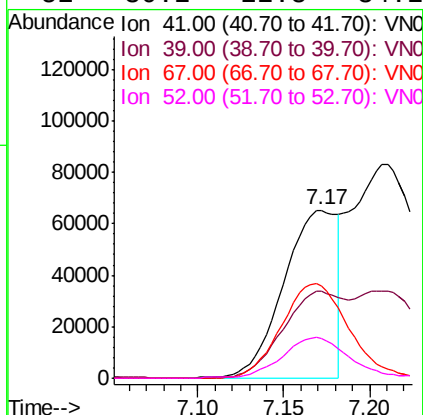
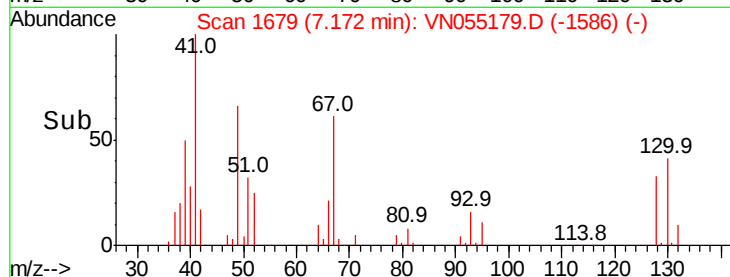
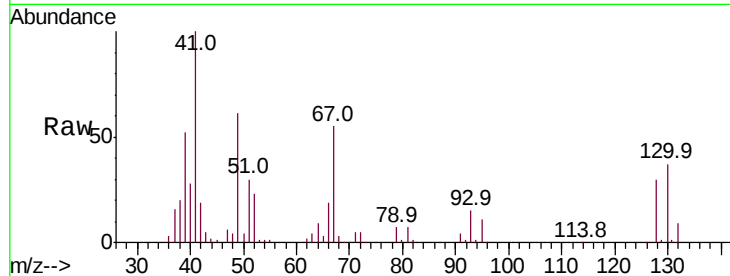
#41
Methacrylonitrile
Concen: 52.287 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion	41	Resp	140716
Ion	Ratio	Lower	Upper
41	100		
39	60.0	45.4	68.0
67	71.2	54.6	81.8
52	30.2	22.8	34.2

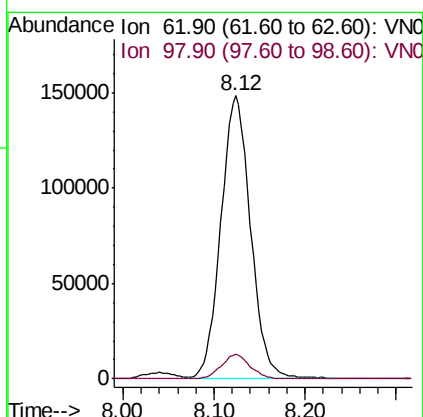
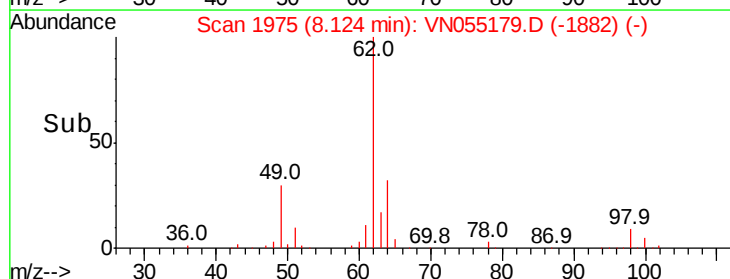
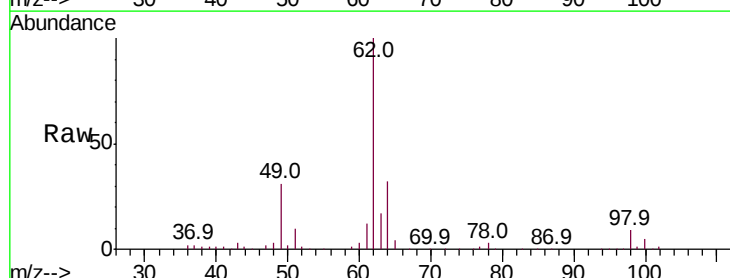
Manual Integrations
APPROVED

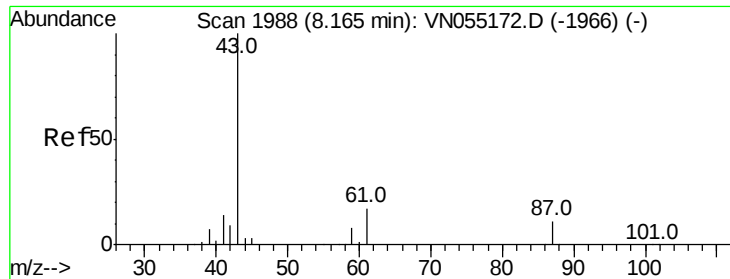
MMDadoda
4/23/2019 1:47:13 PM



#42
1,2-Dichloroethane
Concen: 48.984 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion	62	Resp	335546
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0





#43

Isopropyl Acetate

Concen: 53.509 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

Tot Ion: 43 Resp: 444797

Ion Ratio Lower Upper

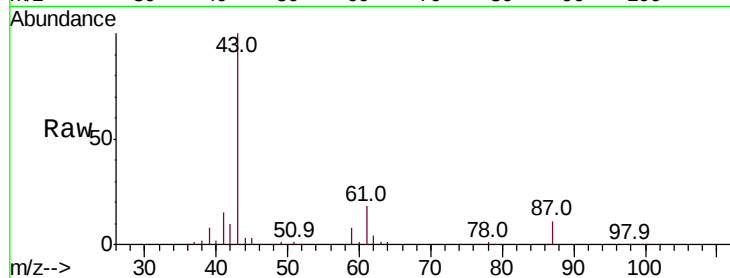
43 100

61 18.0 20.6 30.8#

87 11.0 8.8 13.2

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:47:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

8.16

250000

200000

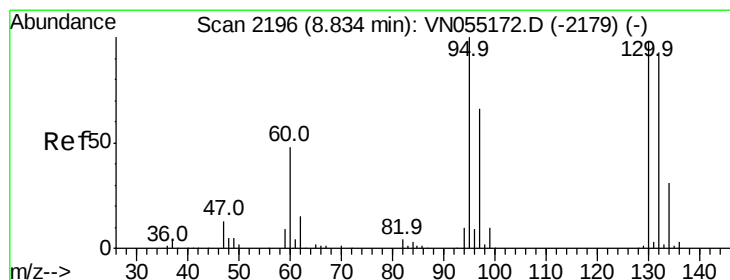
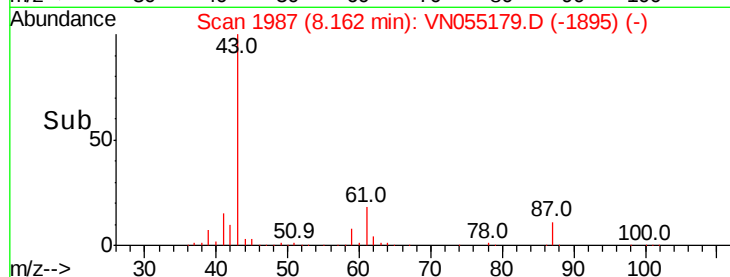
150000

100000

50000

0

Time-->



#44

Trichloroethene

Concen: 50.666 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055179.D

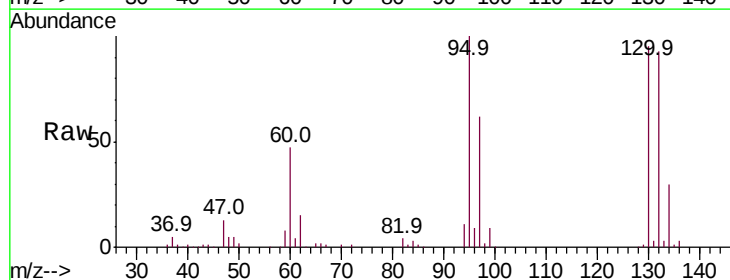
Acq: 22 Apr 2019 13:46

Tgt Ion:130 Resp: 251443

Ion Ratio Lower Upper

130 100

95 104.8 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

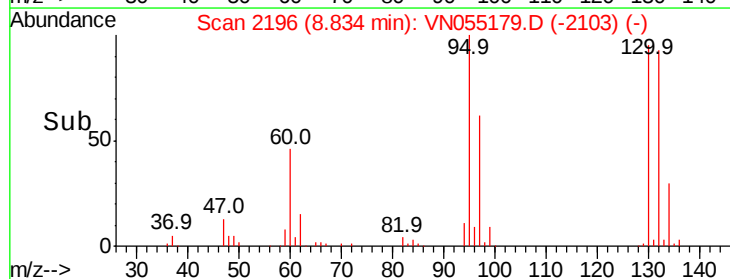
8.83

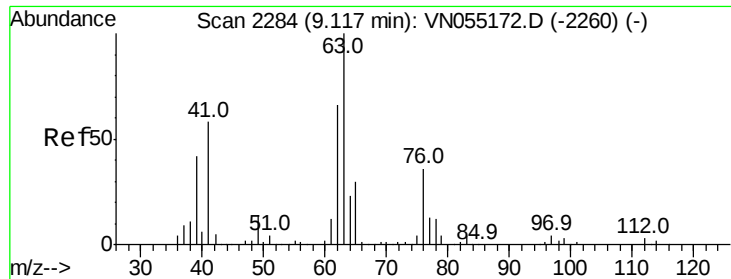
100000

50000

0

Time-->





#45

1,2-Dichloropropane

Concen: 49.947 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

Tot Ion: 63 Resp: 276835

Ion Ratio Lower Upper

63 100

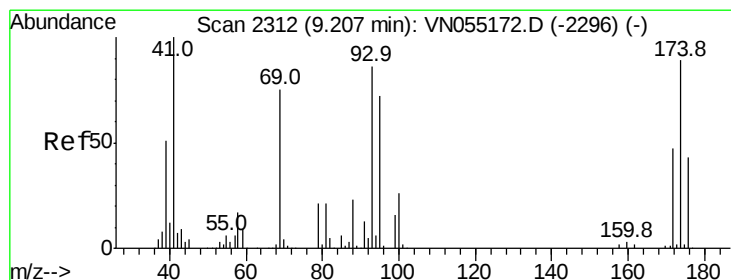
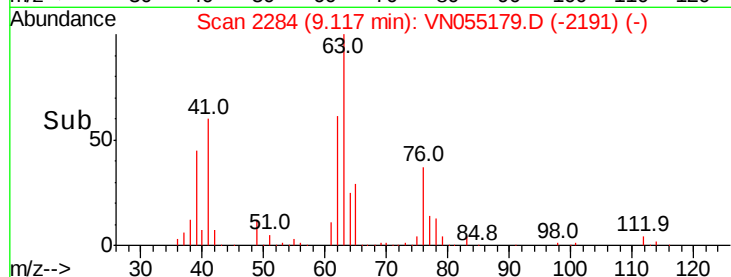
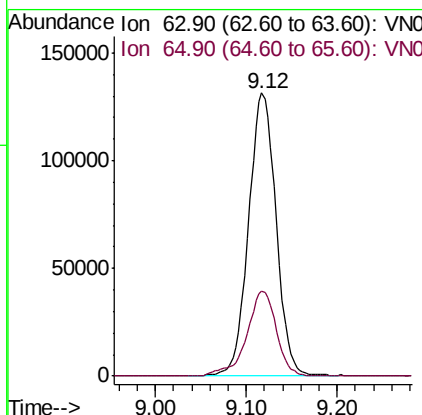
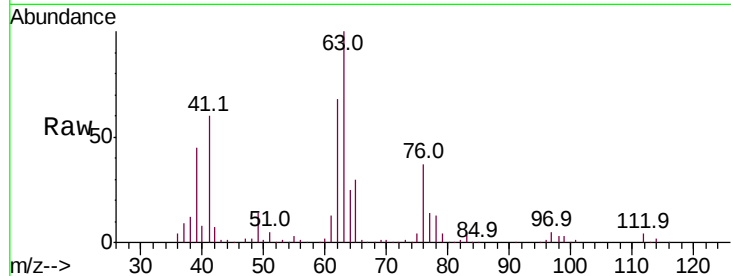
65 29.9 23.8 35.6

Manual Integrations

APPROVED

MMDadoda

4/23/2019 1:47:13 PM



#46

Dibromomethane

Concen: 49.021 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

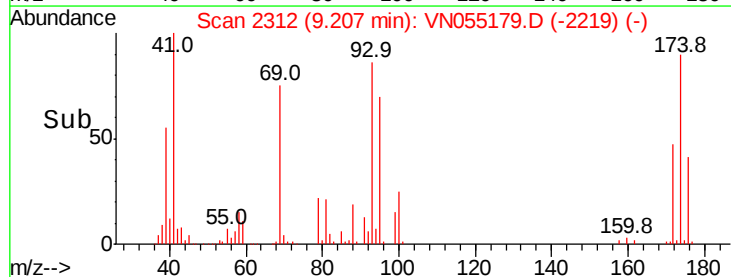
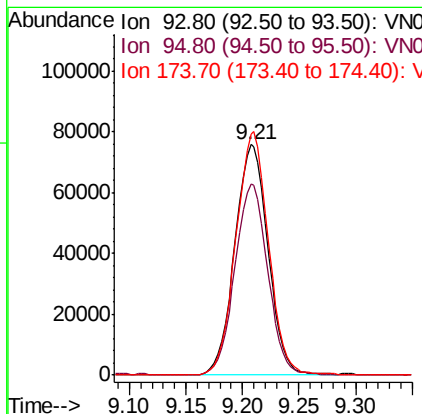
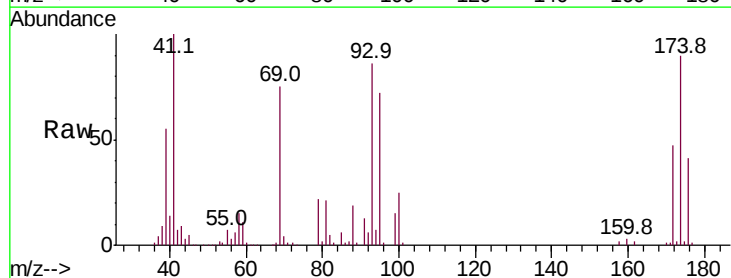
Tgt Ion: 93 Resp: 155535

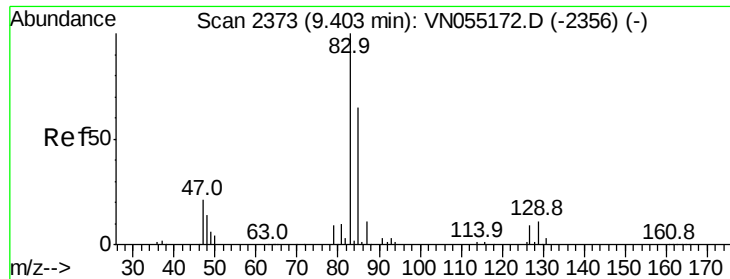
Ion Ratio Lower Upper

93 100

95 82.1 67.6 101.4

174 103.5 83.4 125.2





#47

Bromodichloromethane

Concen: 51.763 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

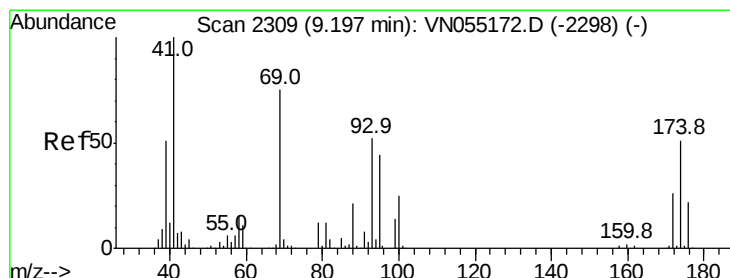
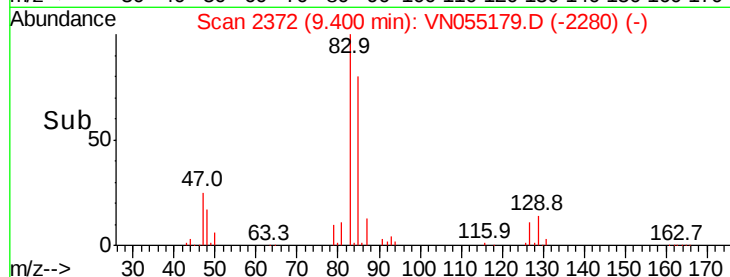
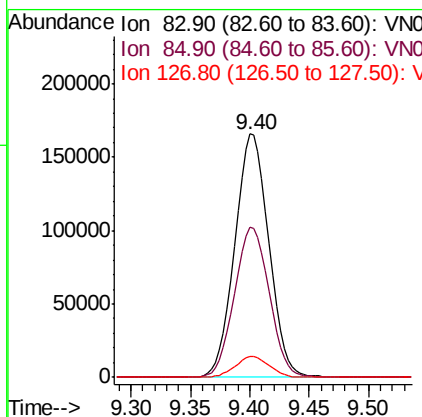
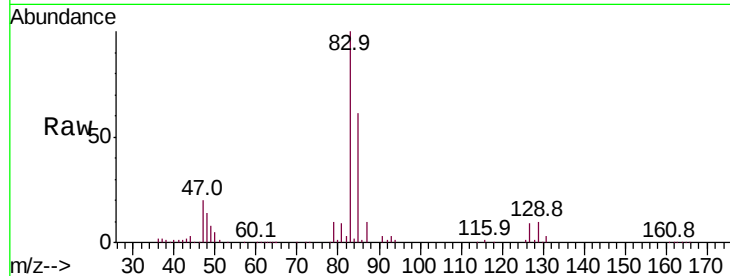
ClientSampleId :

ICVVN042219

Tot Ion:	83	Resp:	328778
Ion Ratio	Lower	Upper	
83	100		
85	61.5	52.1	78.1
127	8.6	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:47:13 PM



#48

Methyl methacrylate

Concen: 51.254 ug/l

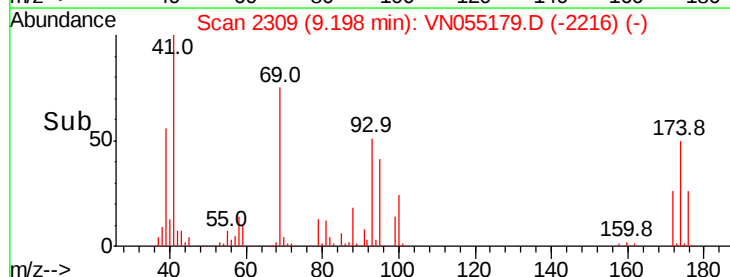
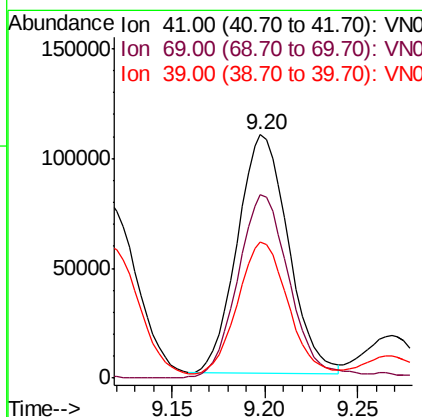
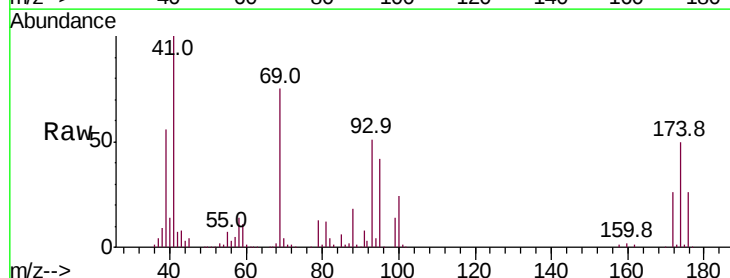
RT: 9.20 min Scan# 2309

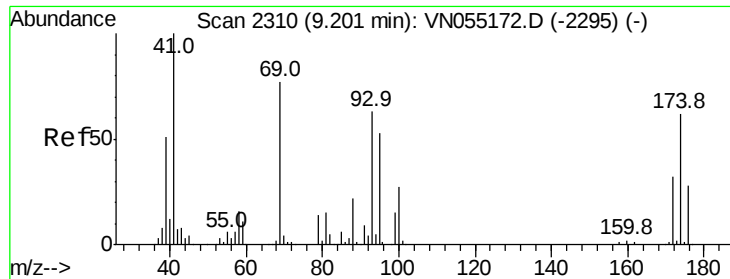
Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Tgt Ion:	41	Resp:	206666
Ion Ratio	Lower	Upper	
41	100		
69	78.2	63.6	95.4
39	57.5	43.8	65.8





#49

1,4-Dioxane

Concen: 896.983 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

Tot Ion: 88 Resp: 41768

Ion Ratio Lower Upper

88 100

43 42.5 32.0 48.0

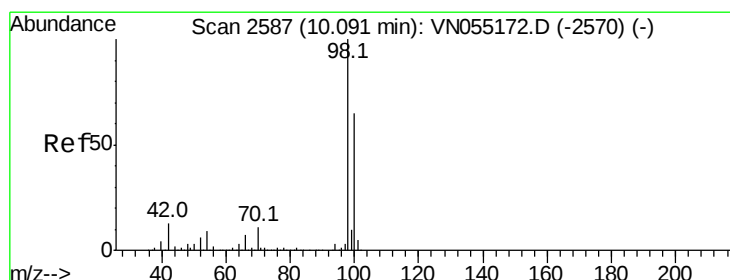
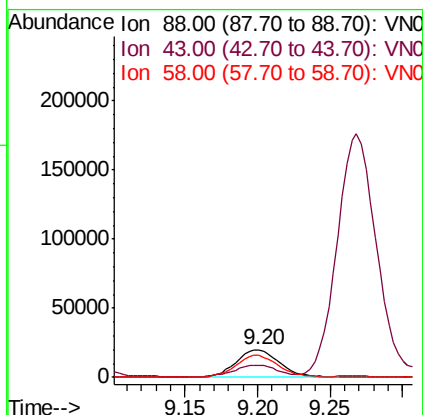
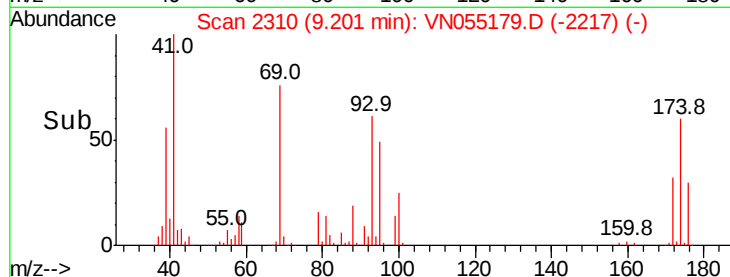
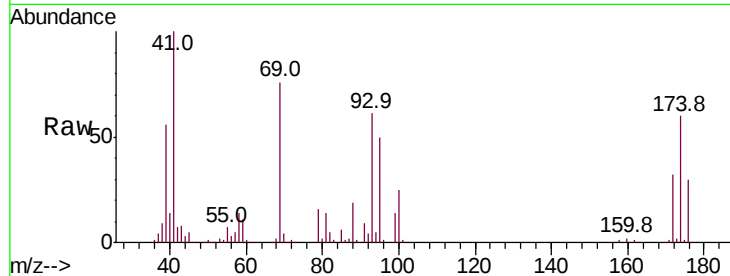
58 78.6 60.4 90.6

Manual Integrations

APPROVED

MMDadoda

4/23/2019 1:47:13 PM



#50

Toluene-d8

Concen: 49.387 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055179.D

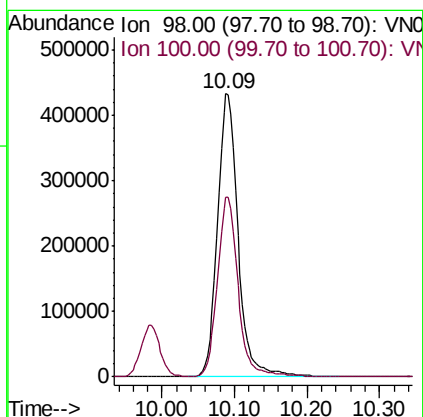
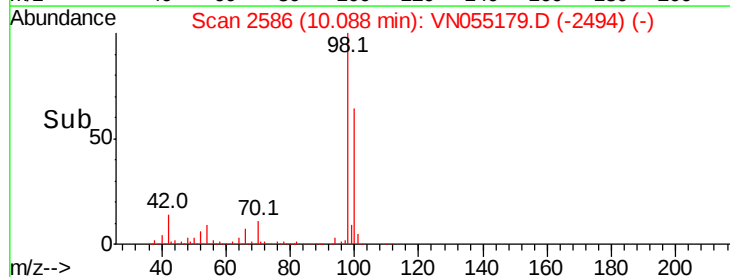
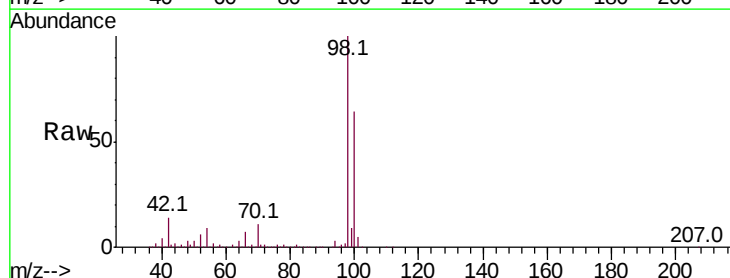
Acq: 22 Apr 2019 13:46

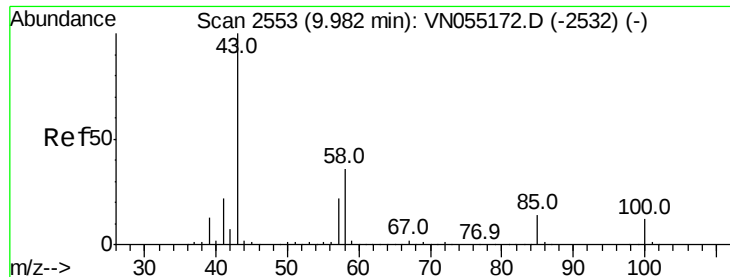
Tgt Ion: 98 Resp: 851911

Ion Ratio Lower Upper

98 100

100 64.2 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 261.881 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Tot Ion: 43 Resp: 1252650

Ion Ratio Lower Upper

43 100

58 35.7 28.3 42.5

Instrument :

MSVOA_N

ClientSampleId :

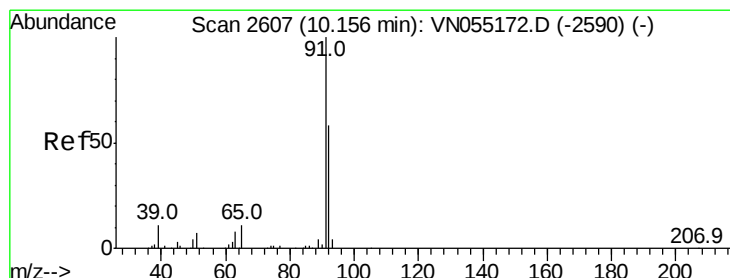
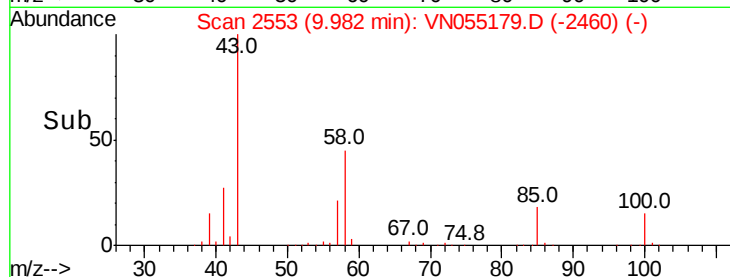
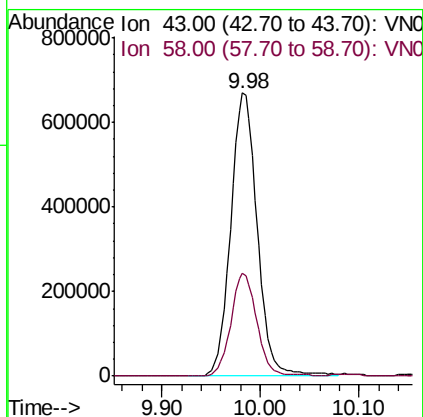
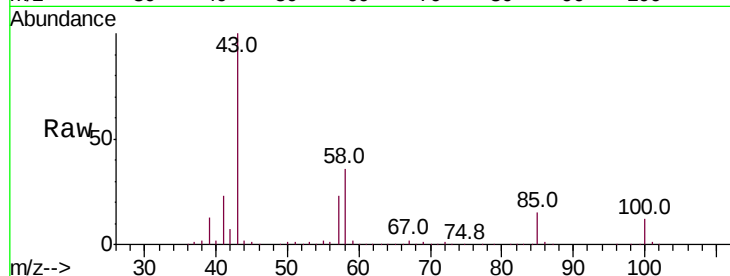
ICVVN042219

Manual Integrations

APPROVED

MMDadoda

4/23/2019 1:47:13 PM



#52

Toluene

Concen: 50.545 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055179.D

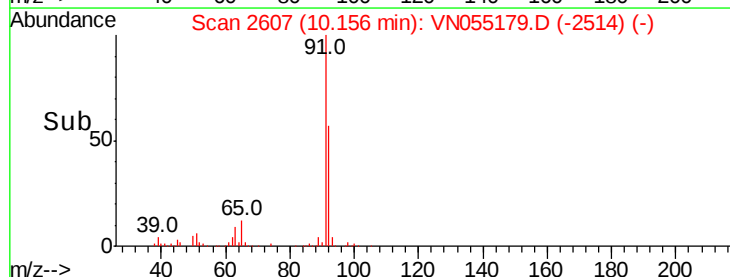
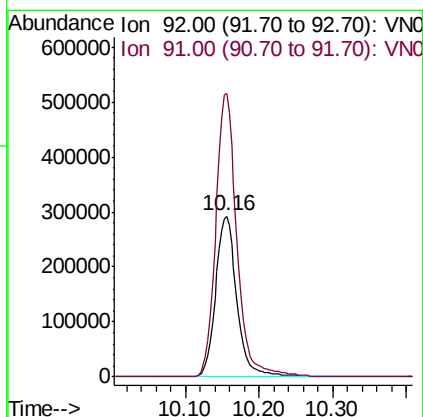
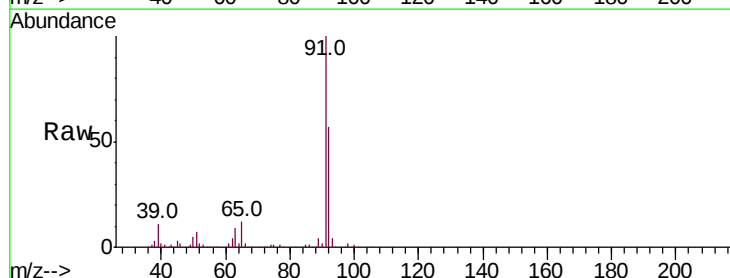
Acq: 22 Apr 2019 13:46

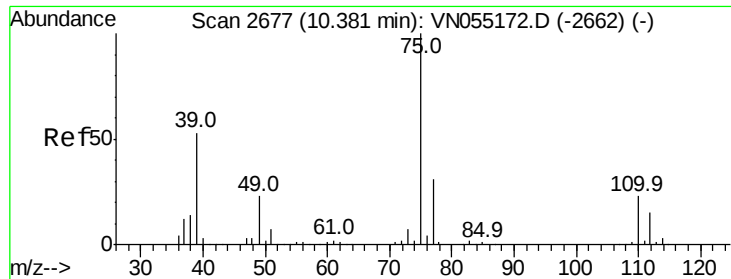
Tgt Ion: 92 Resp: 581810

Ion Ratio Lower Upper

92 100

91 175.8 138.7 208.1





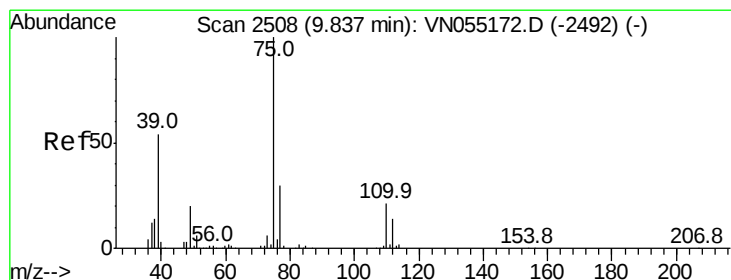
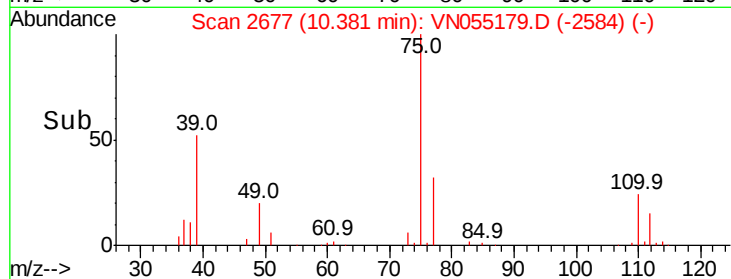
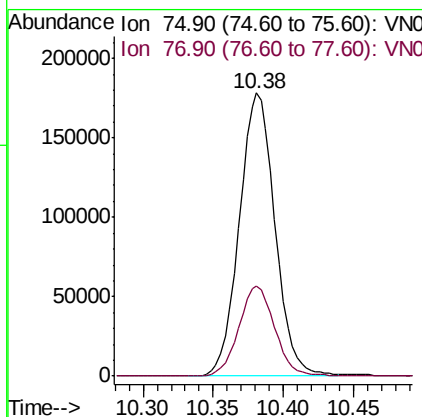
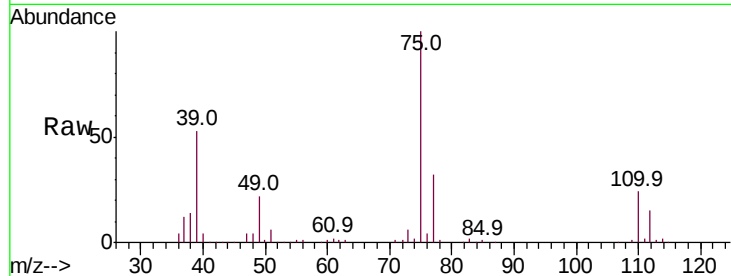
#53
t-1,3-Dichloropropene
Concen: 54.212 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion: 75 Resp: 316004
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7

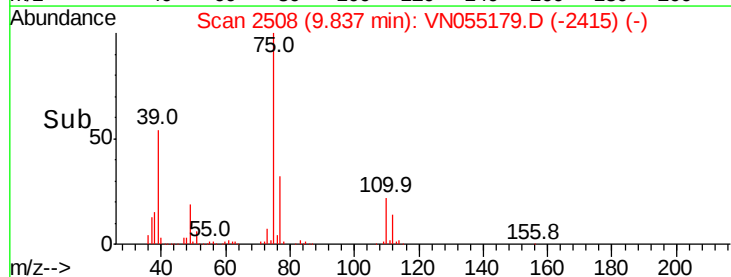
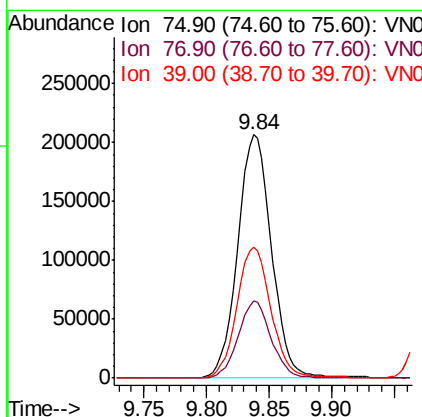
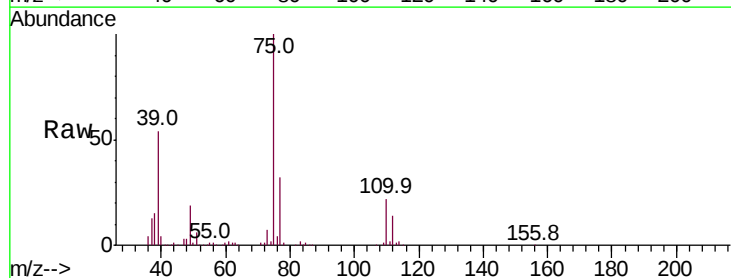
Manual Integrations
APPROVED

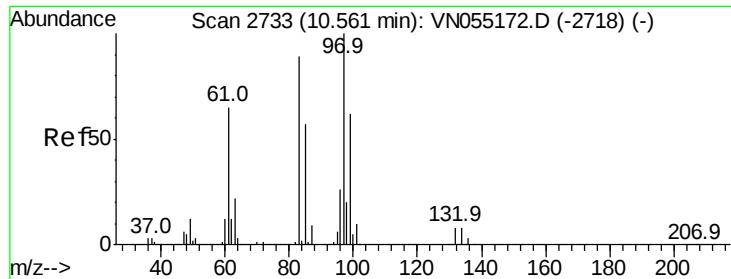
MMDadoda
4/23/2019 1:47:13 PM



#54
cis-1,3-Dichloropropene
Concen: 53.400 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion: 75 Resp: 386275
Ion Ratio Lower Upper
75 100
77 31.5 24.3 36.5
39 53.5 43.0 64.4





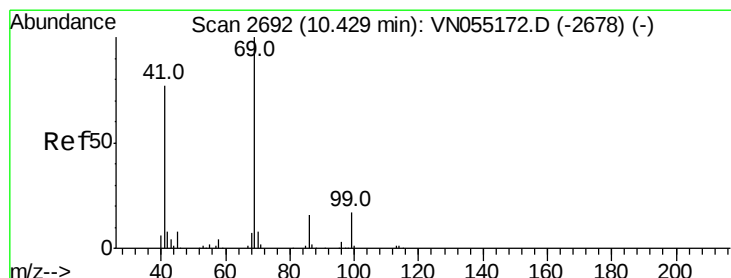
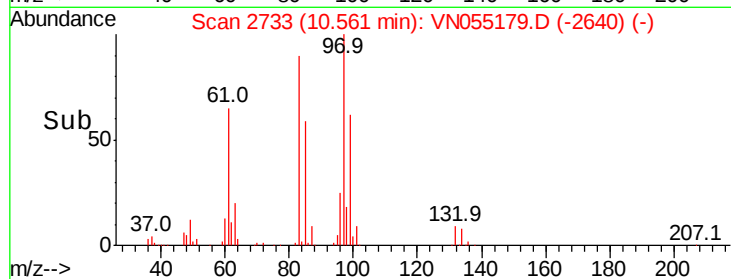
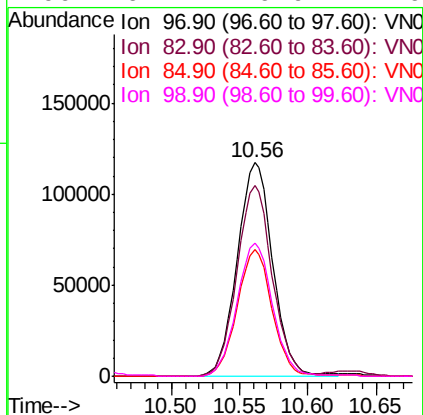
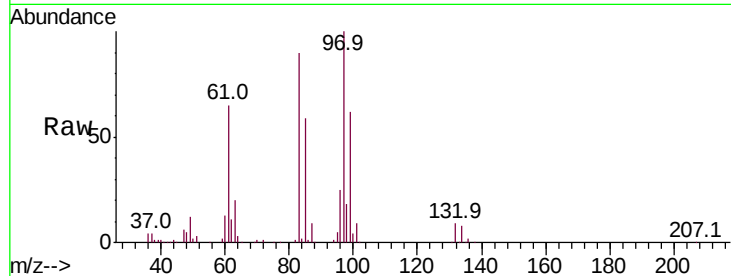
#55
 1,1,2-Trichloroethane
 Concen: 49.949 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

Tot Ion:	97	Resp:	211970
Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.5	107.3
85	59.2	45.8	68.6
99	62.4	49.9	74.9

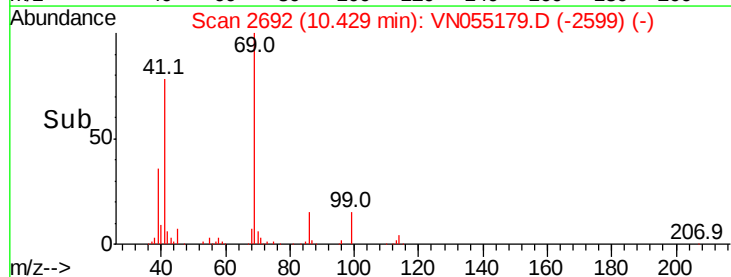
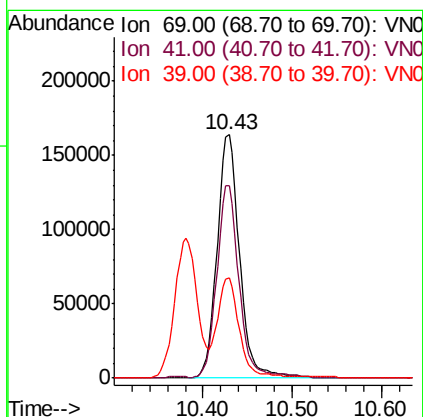
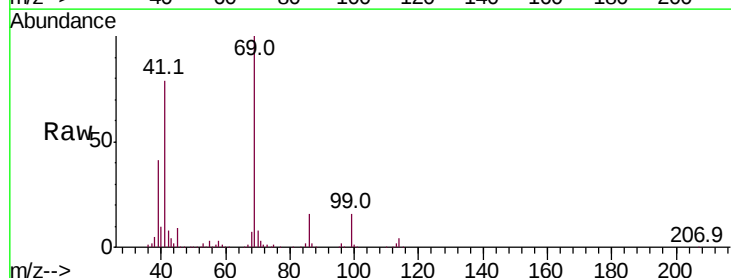
Manual Integrations
 APPROVED

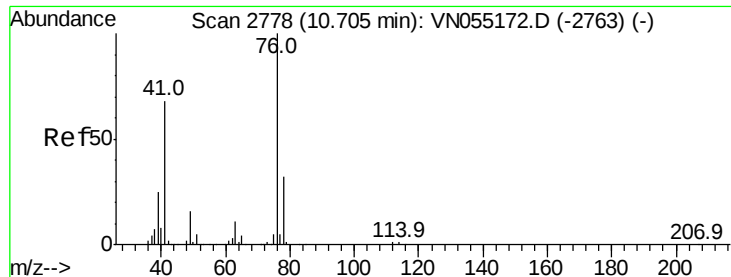
MMDadoda
 4/23/2019 1:47:13 PM



#56
 Ethyl methacrylate
 Concen: 54.274 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion:	69	Resp:	286924
Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.6	90.8
39	39.4	31.7	47.5





#57

1,3-Dichloropropane

Concen: 50.752 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

Tot Ion: 76 Resp: 374721

Ion Ratio Lower Upper

76 100

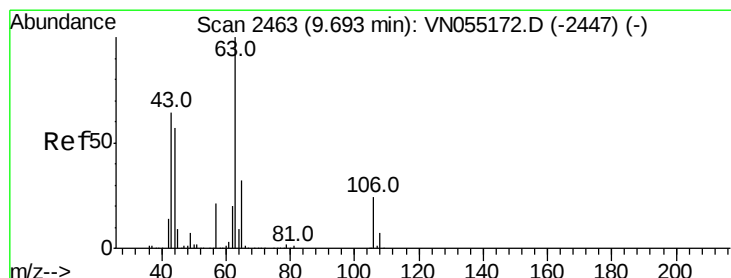
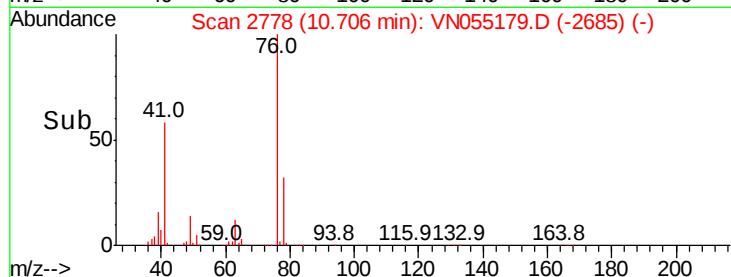
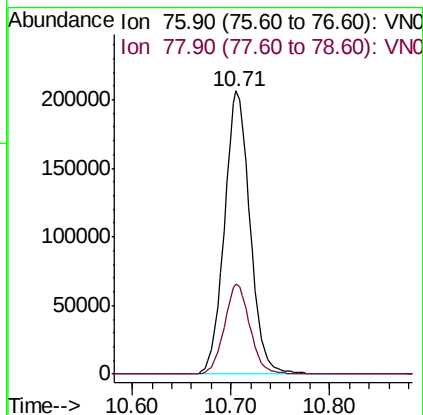
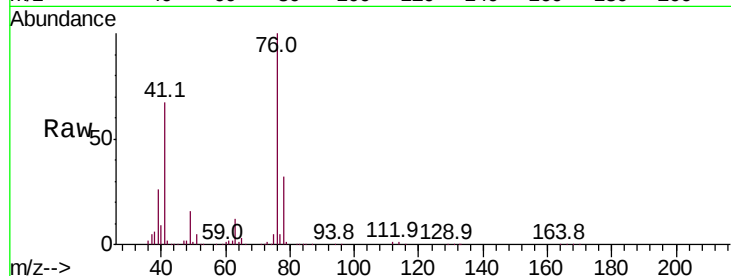
78 31.9 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

4/23/2019 1:47:13 PM



#58

2-Chloroethyl Vinyl ether

Concen: 244.945 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055179.D

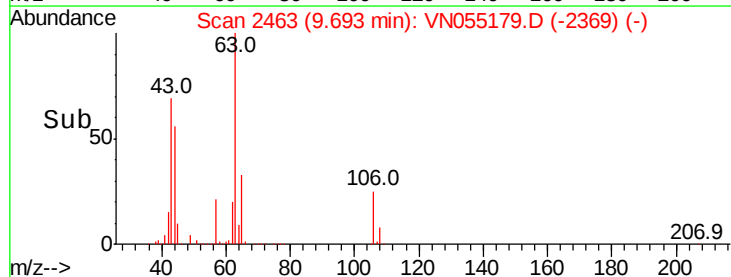
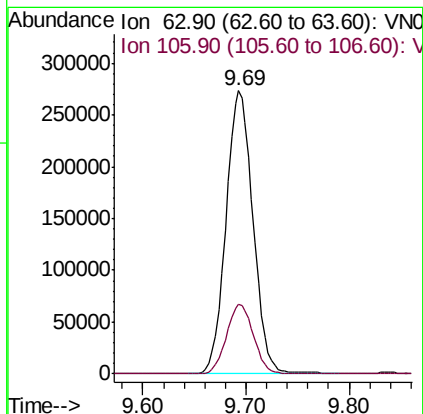
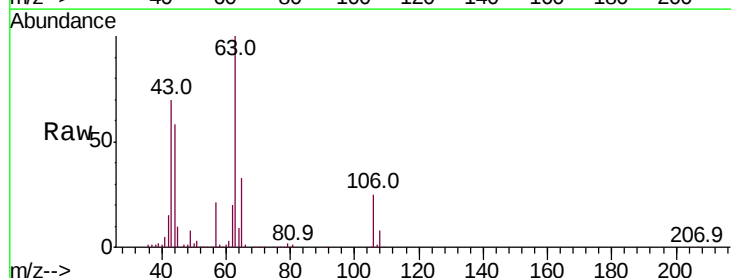
Acq: 22 Apr 2019 13:46

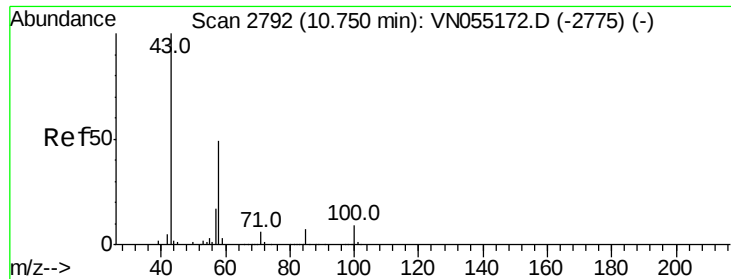
Tgt Ion: 63 Resp: 498472

Ion Ratio Lower Upper

63 100

106 24.6 19.4 29.0





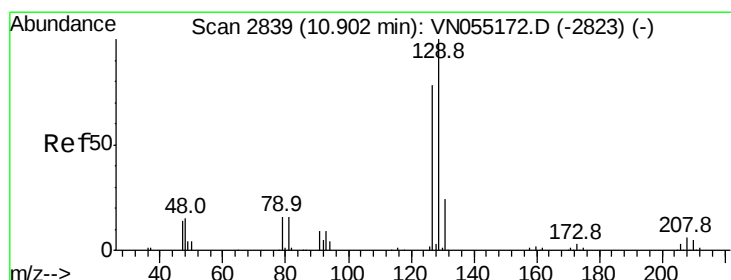
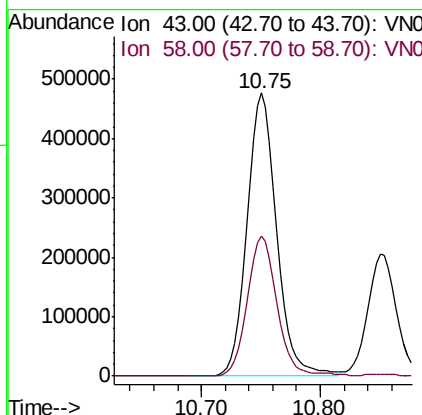
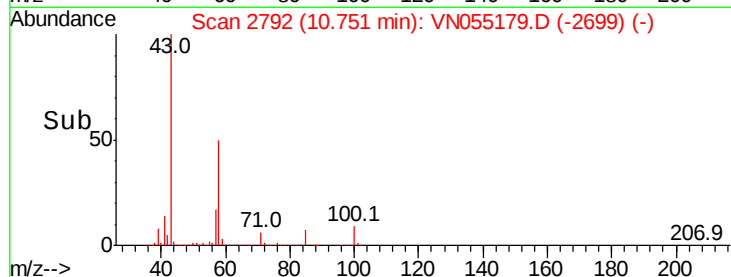
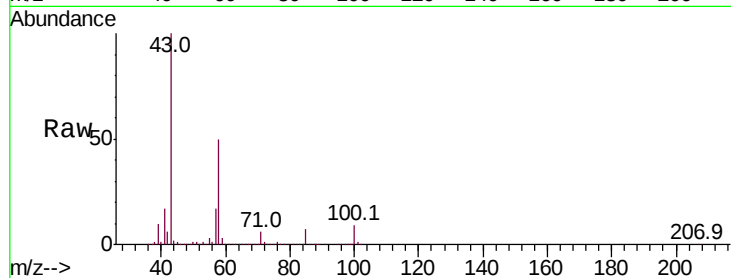
#59
2-Hexanone
Concen: 270.521 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion: 43 Resp: 817337
Ion Ratio Lower Upper
43 100
58 50.0 24.5 73.5

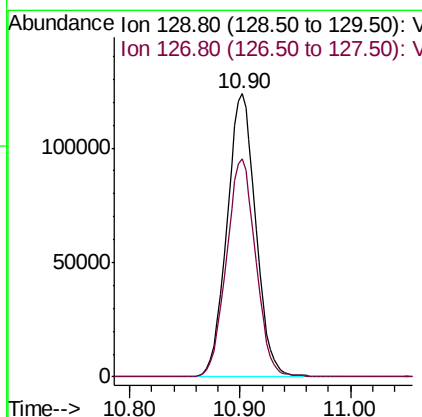
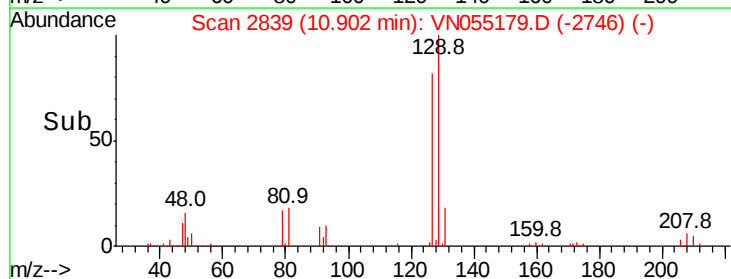
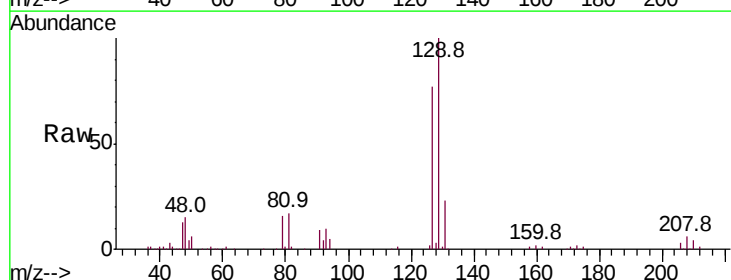
Manual Integrations
APPROVED

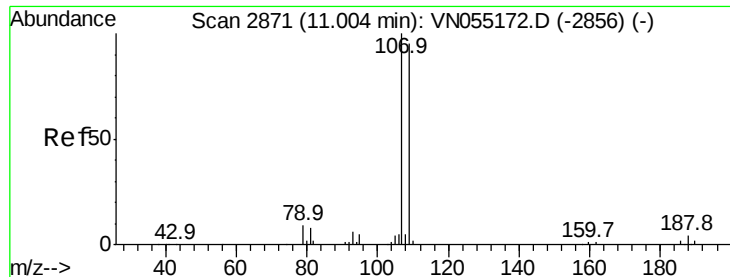
MMDadoda
4/23/2019 1:47:13 PM



#60
Dibromochloromethane
Concen: 51.120 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion: 129 Resp: 223449
Ion Ratio Lower Upper
129 100
127 78.3 39.0 117.0





#61

1,2-Dibromoethane

Concen: 52.499 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

Tot Ion:107 Resp: 209468

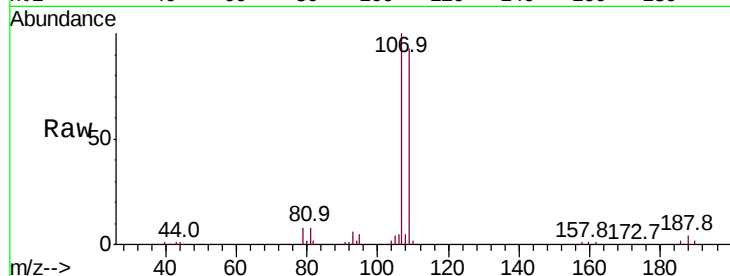
Ion Ratio Lower Upper

107 100

109 93.0 75.8 113.6

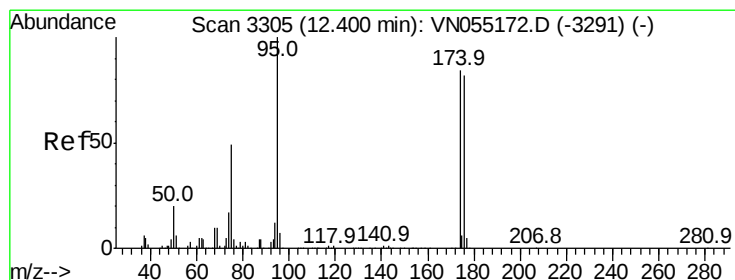
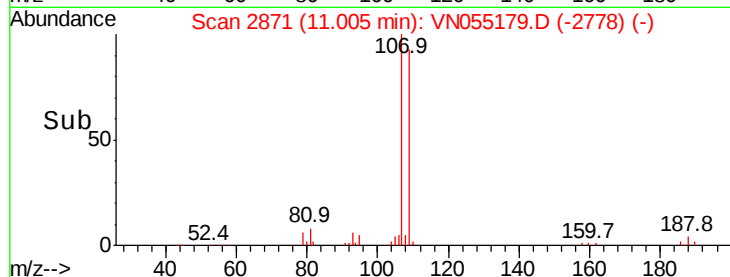
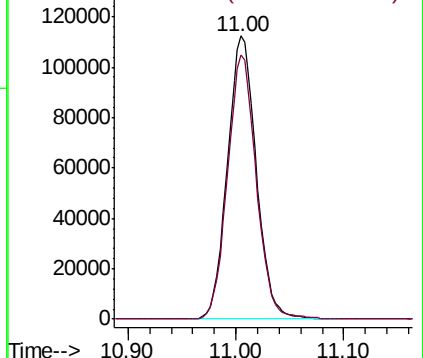
Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:47:13 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.131 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

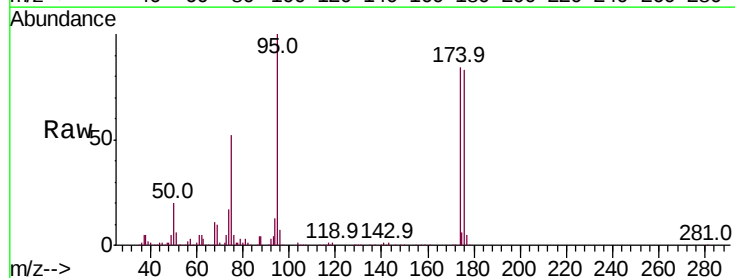
Tgt Ion: 95 Resp: 284770

Ion Ratio Lower Upper

95 100

174 84.3 0.0 168.4

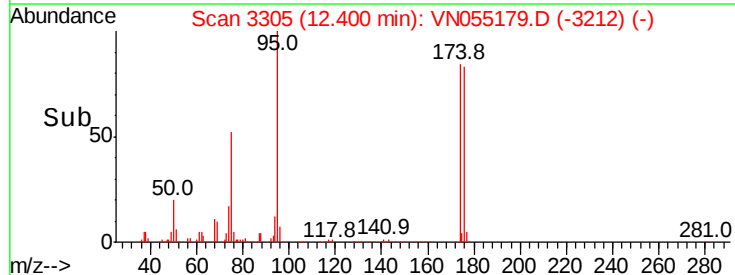
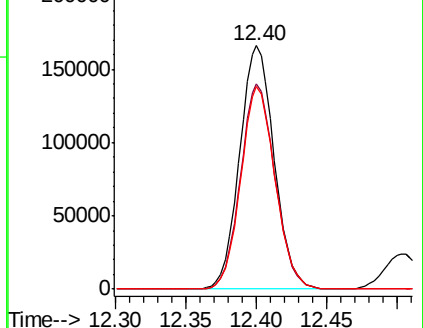
176 82.8 0.0 164.0

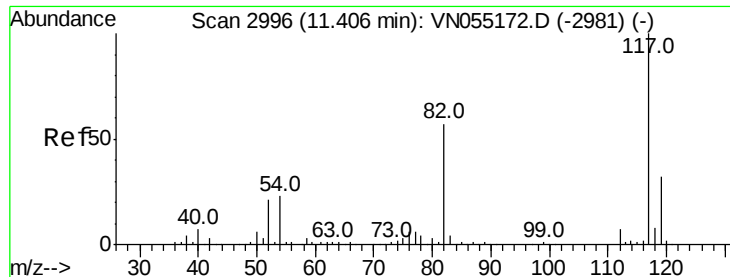


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





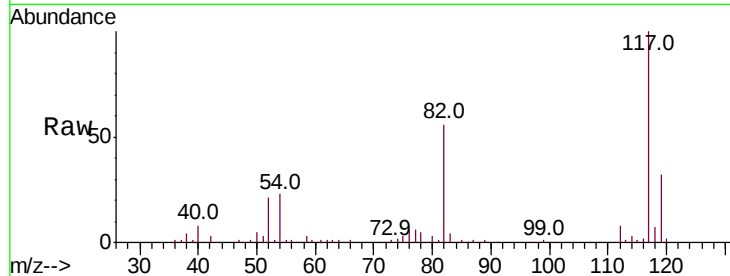
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.7	68.5
119	32.4	25.4	38.2

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:47:13 PM

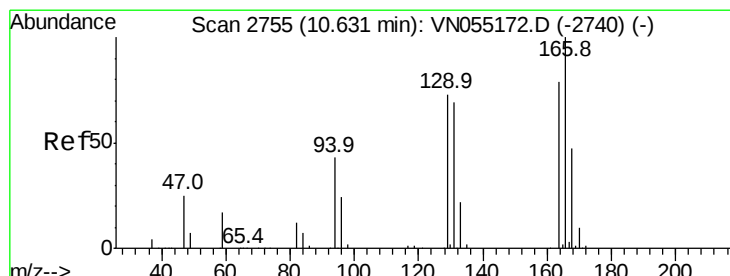
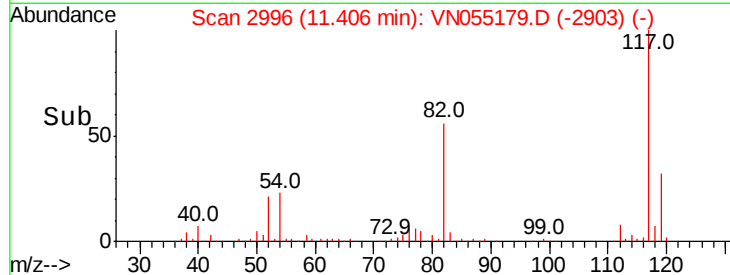
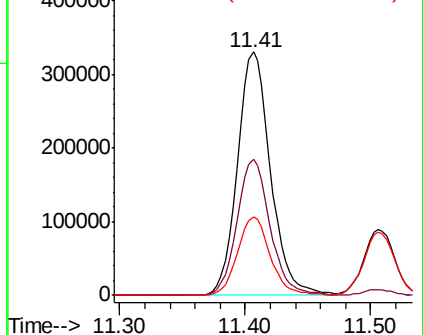


Abundance

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: 47.138 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.9	152.9
129	90.7	74.1	111.1
131	91.9	70.6	106.0

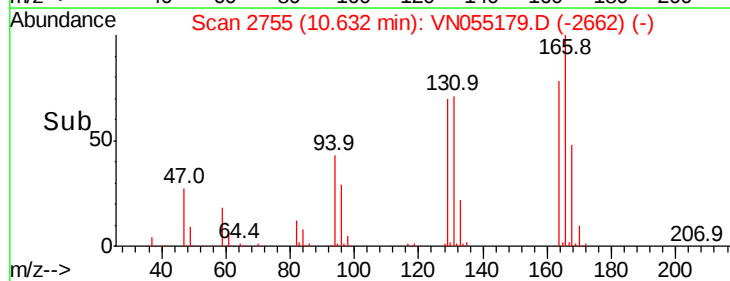
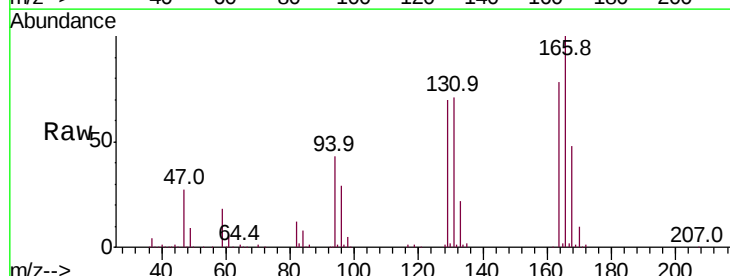
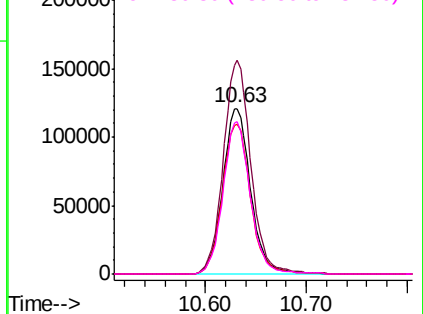
Abundance

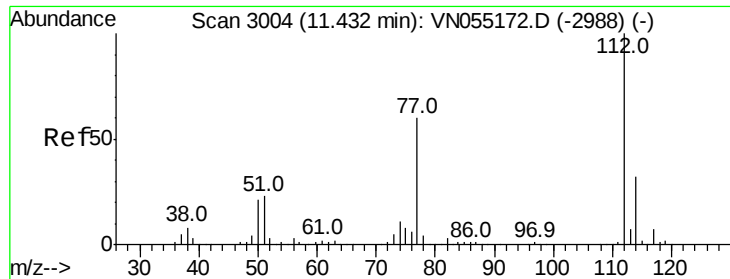
Ion 163.80 (163.50 to 164.50): V

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





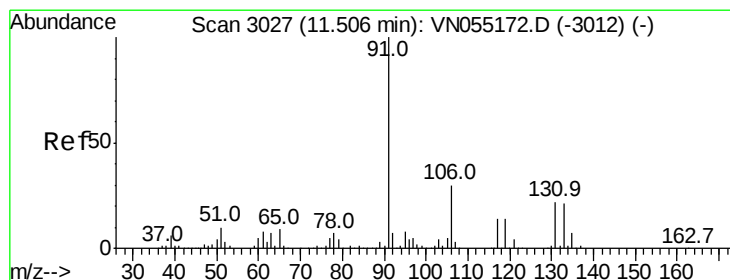
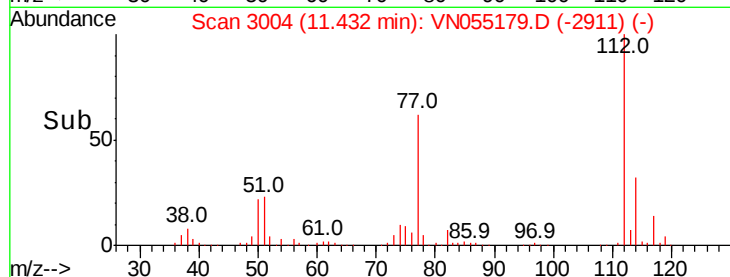
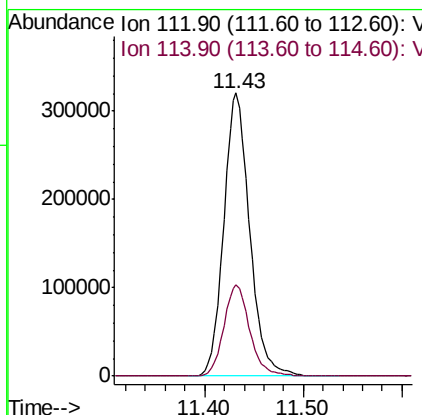
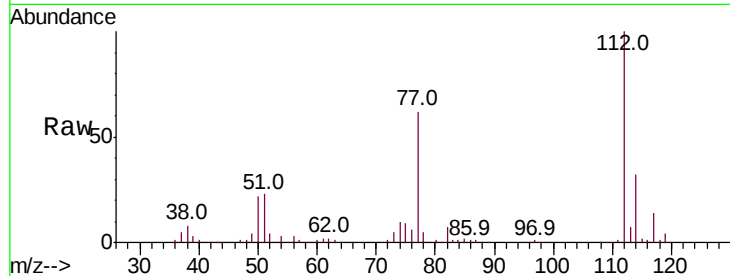
#65
Chlorobenzene
Concen: 47.691 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion:112 Resp: 589947
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.0

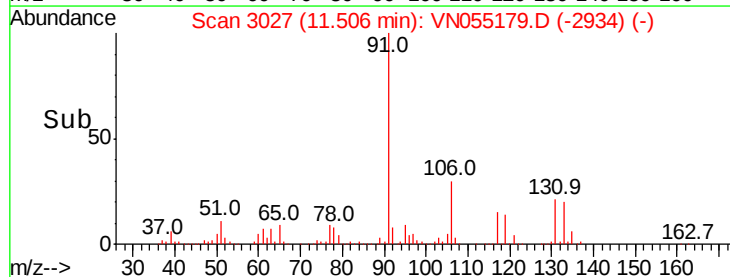
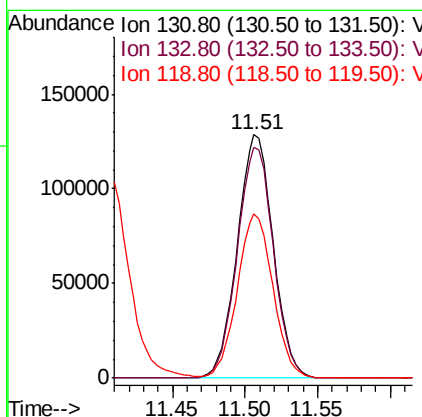
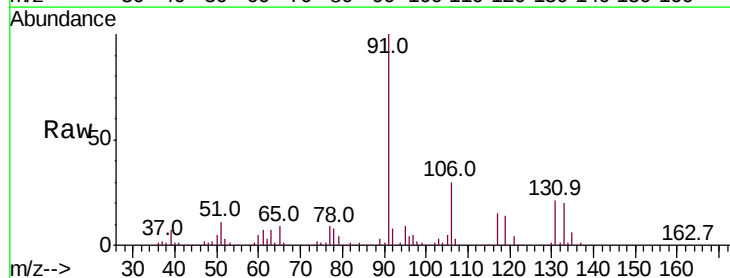
Manual Integrations
APPROVED

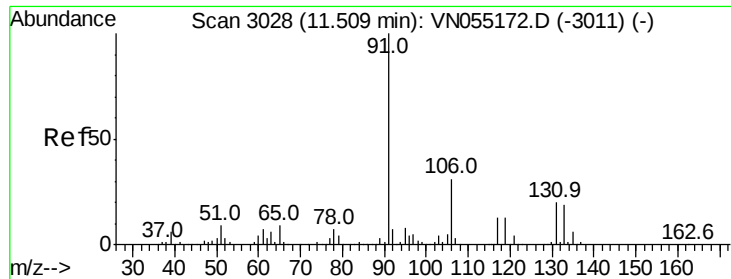
MMDadoda
4/23/2019 1:47:13 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.334 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion:131 Resp: 221596
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 67.0 33.2 99.6





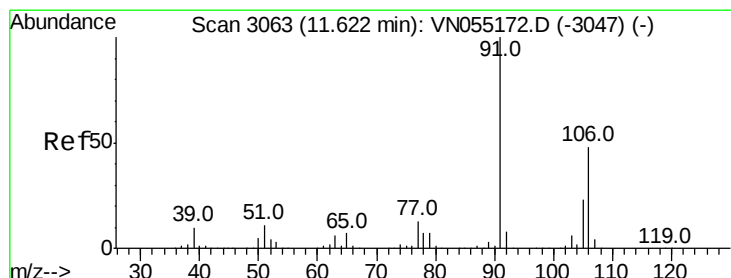
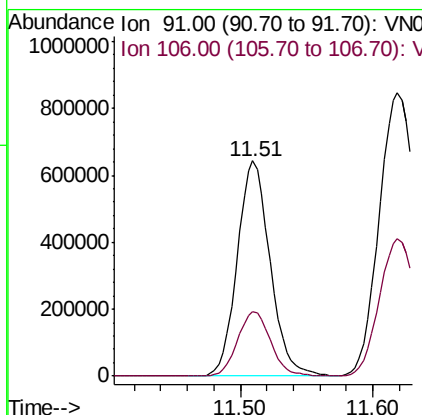
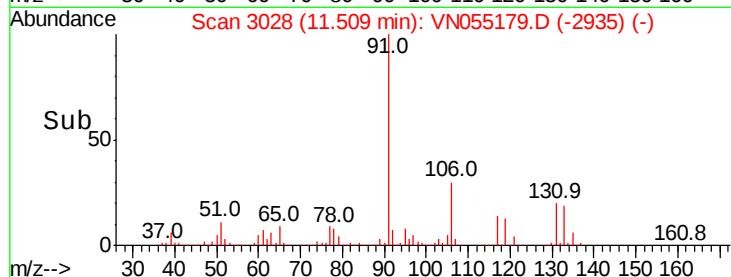
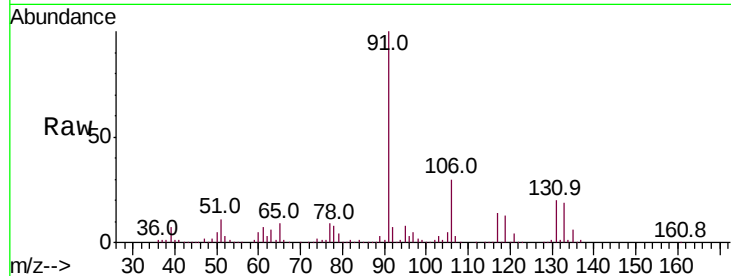
#67
Ethyl Benzene
Concen: 50.276 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion: 91 Resp: 1107818
Ion Ratio Lower Upper
91 100
106 29.8 24.5 36.7

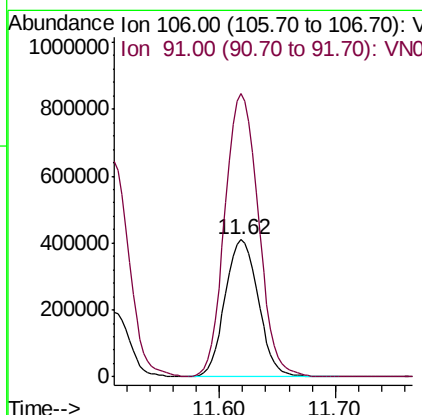
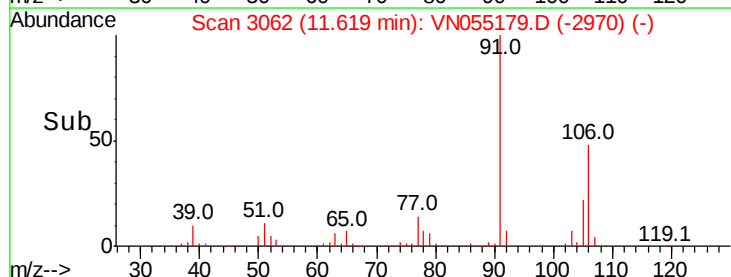
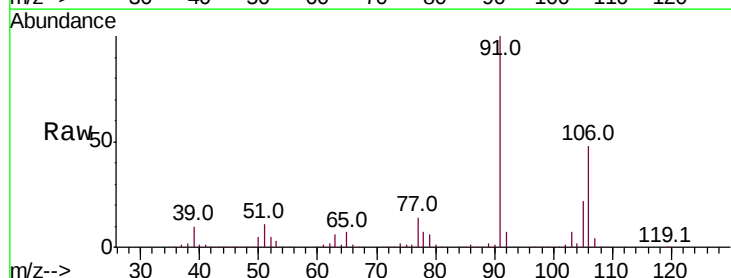
Manual Integrations
APPROVED

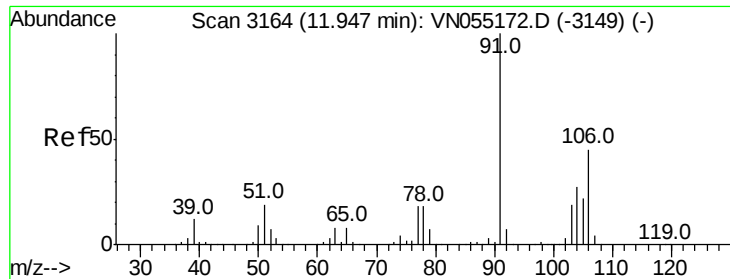
MMDadoda
4/23/2019 1:47:13 PM



#68
m/p-Xylenes
Concen: 103.475 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion: 106 Resp: 817770
Ion Ratio Lower Upper
106 100
91 207.8 167.1 250.7





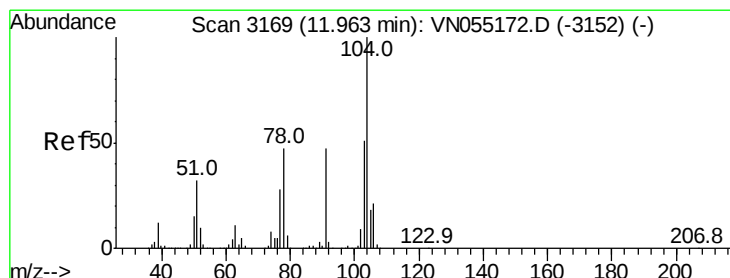
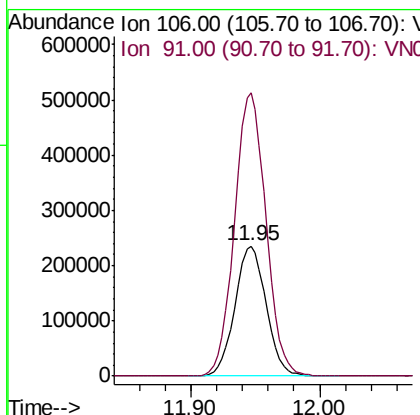
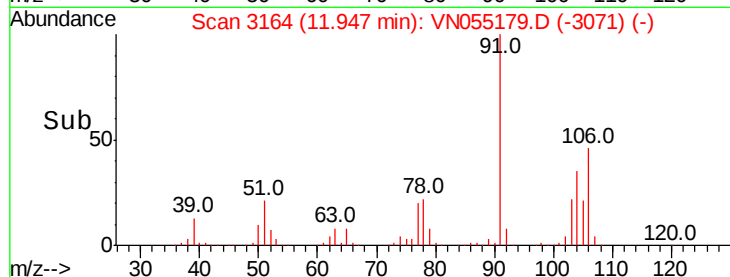
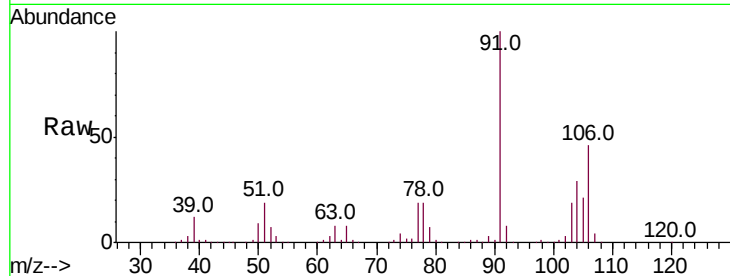
#69
o-Xylene
Concen: 50.429 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampled :
ICVVN042219

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.6	110.6	331.8

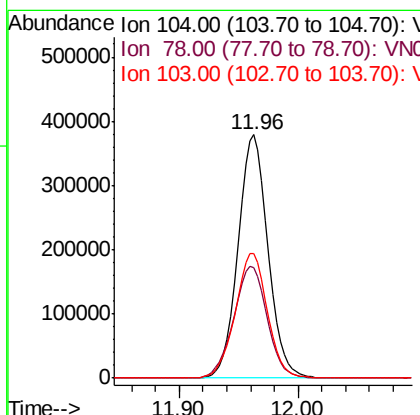
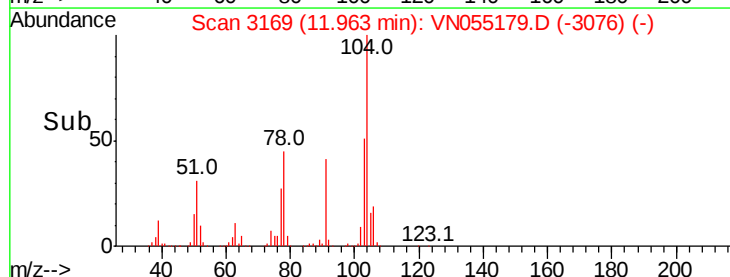
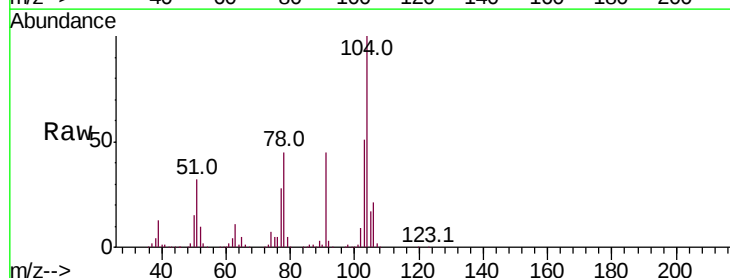
Manual Integrations
APPROVED

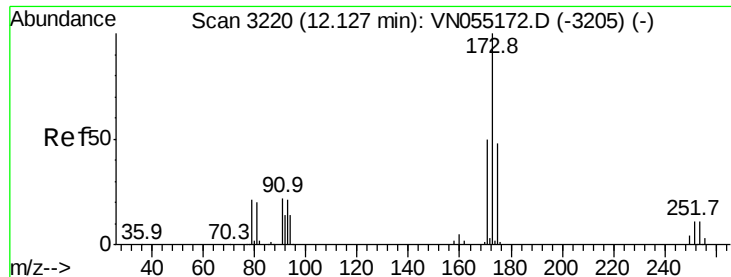
MMDadoda
4/23/2019 1:47:13 PM



#70
Styrene
Concen: 54.236 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.3	61.9
103	55.1	44.2	66.4





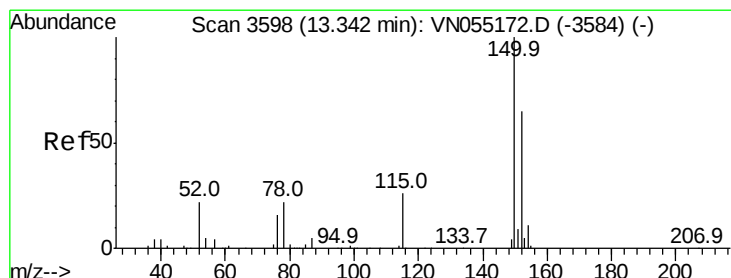
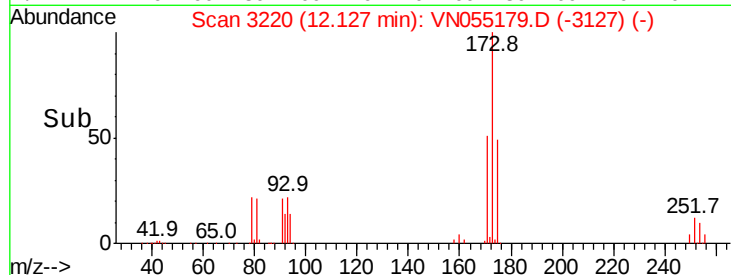
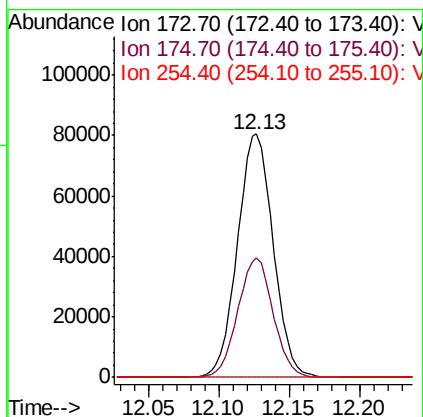
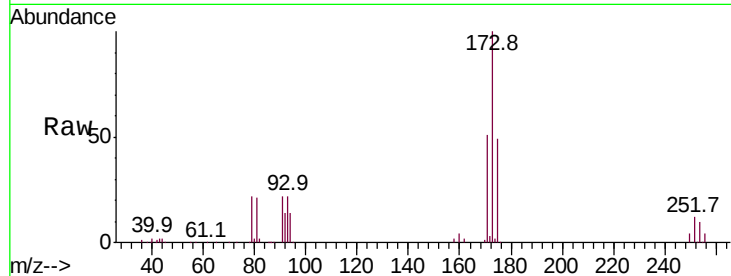
#71
Bromoform
Concen: 52.240 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampled :
ICVVN042219

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.8	71.2
254	0.0	0.1	0.1#

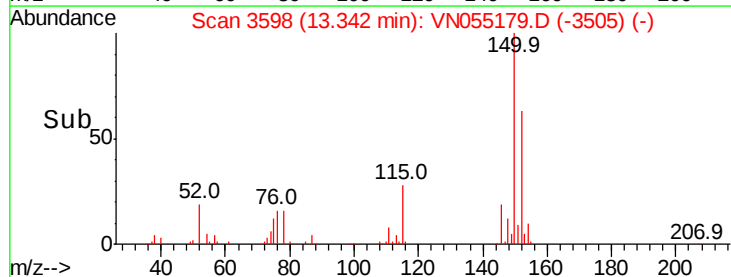
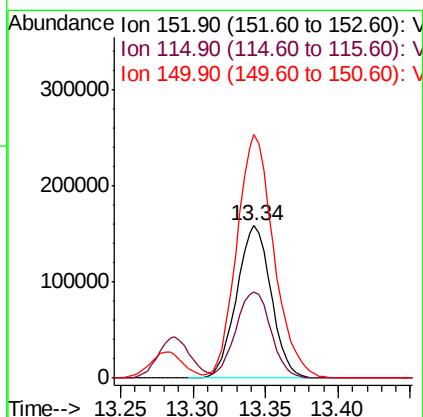
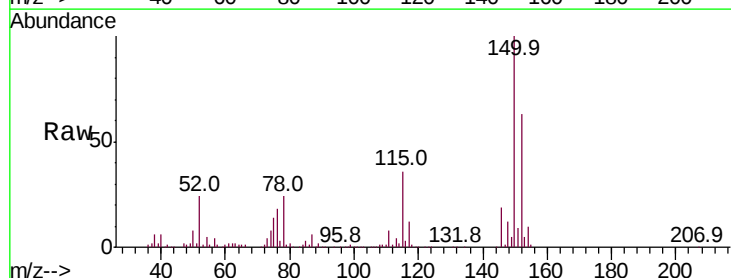
Manual Integrations
APPROVED

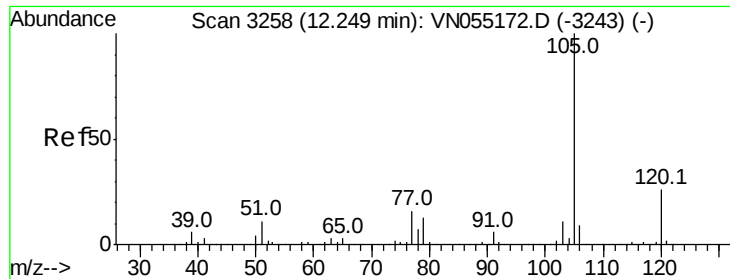
MMDadoda
4/23/2019 1:47:13 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.9	86.7
150	171.1	0.0	346.6





#73

Isopropylbenzene

Concen: 49.801 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

Tot Ion:105 Resp: 1051083

Ion Ratio Lower Upper

105 100

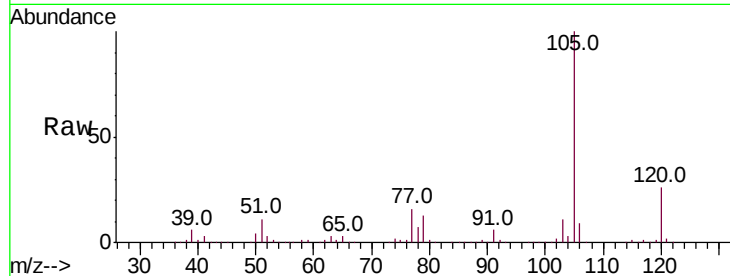
120 26.0 13.1 39.1

Manual Integrations

APPROVED

MMDadoda

4/23/2019 1:47:13 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

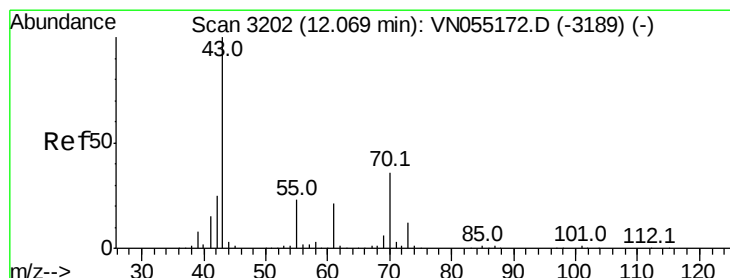
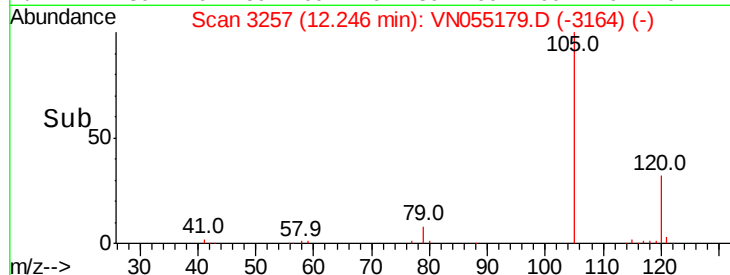
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 50.764 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Tgt Ion: 43 Resp: 343711

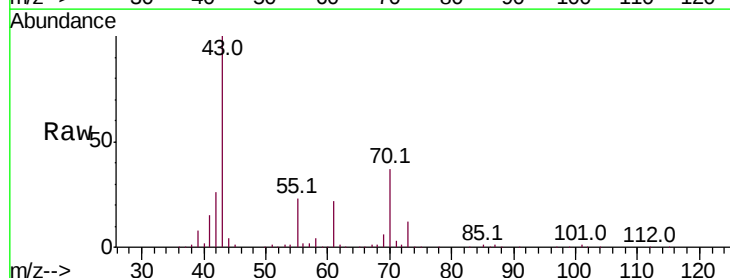
Ion Ratio Lower Upper

43 100

70 36.5 29.0 43.6

55 23.2 18.5 27.7

61 21.7 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

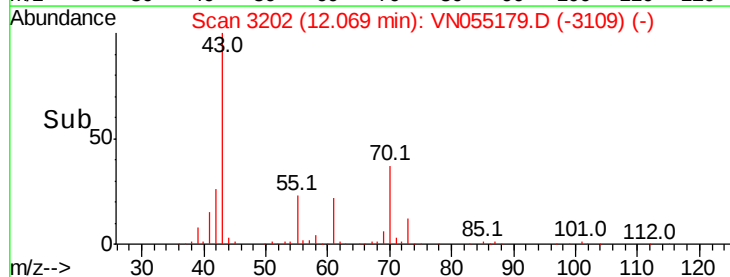
300000

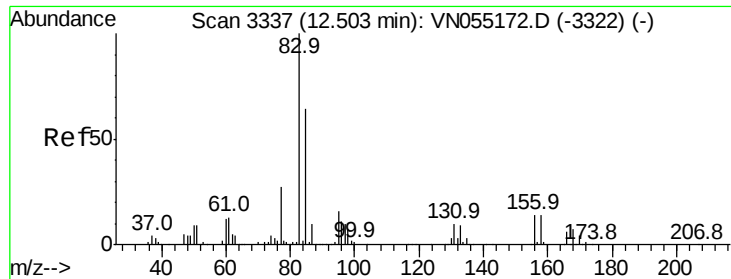
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.417 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

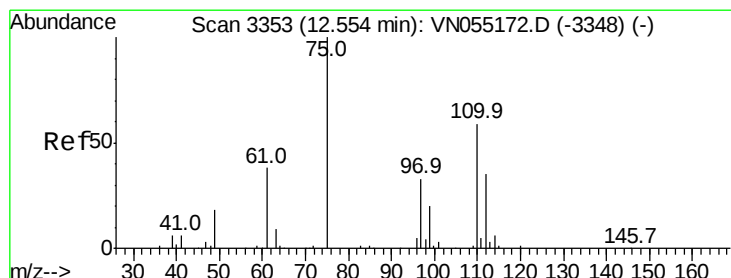
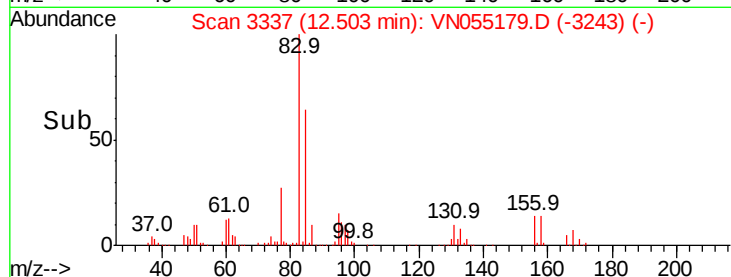
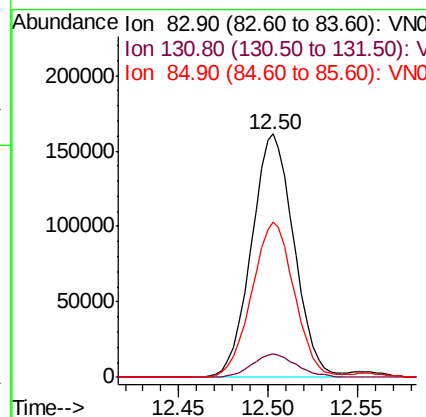
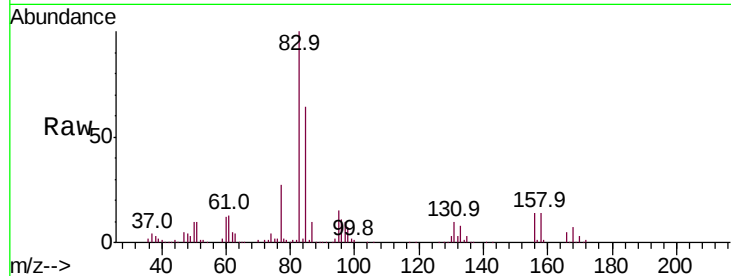
ClientSampleId :

ICVVN042219

Tot Ion:	83	Resp:	269130
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	63.8	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:47:13 PM



#76

1,2,3-Trichloropropane

Concen: 39.952 ug/l m

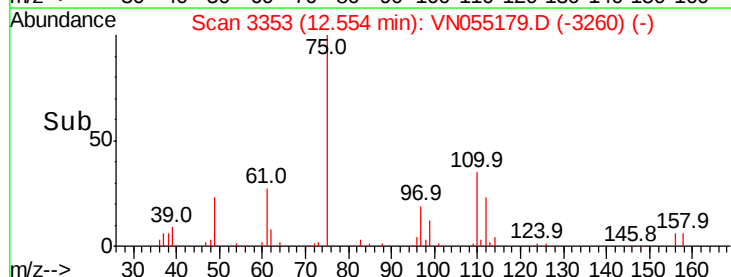
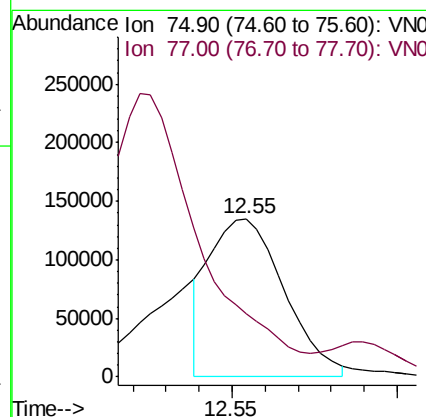
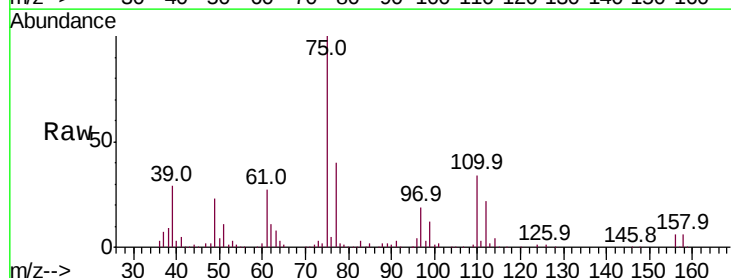
RT: 12.55 min Scan# 3353

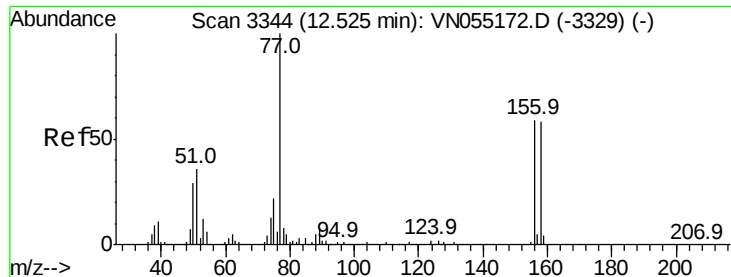
Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Tgt Ion:	75	Resp:	212857
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 43.484 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

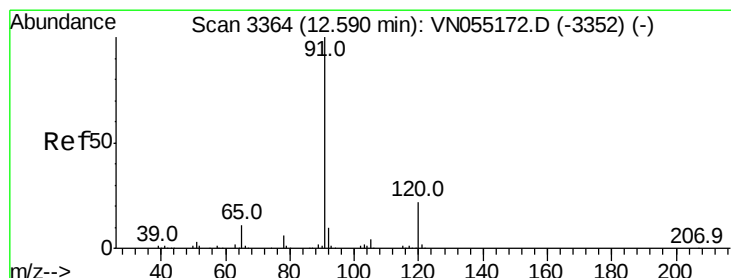
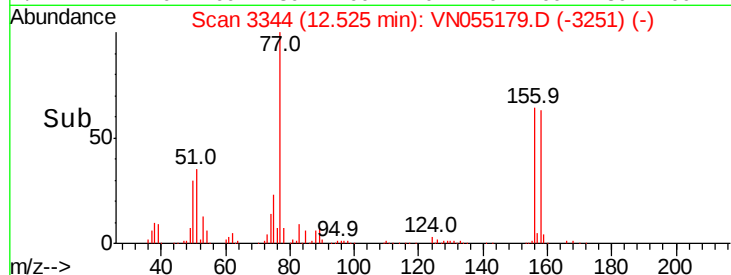
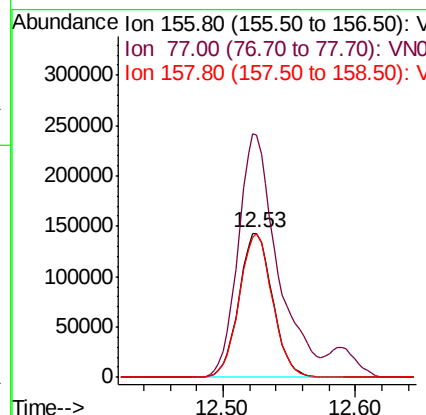
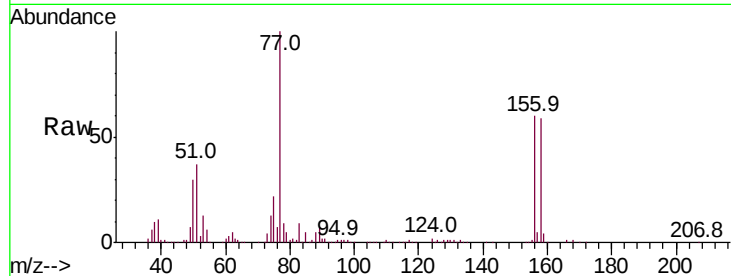
ClientSampleId :

ICVVN042219

Tot Ion	Ratio	Lower	Upper
156	100		
77	196.7	98.0	293.9
158	98.4	48.9	146.8

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:47:13 PM



#78

n-propylbenzene

Concen: 45.351 ug/l

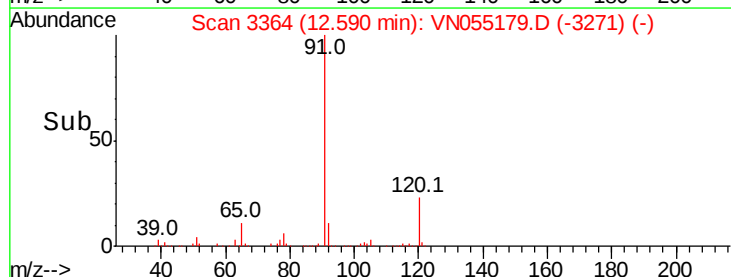
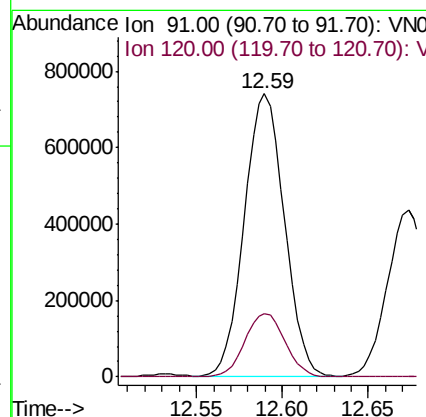
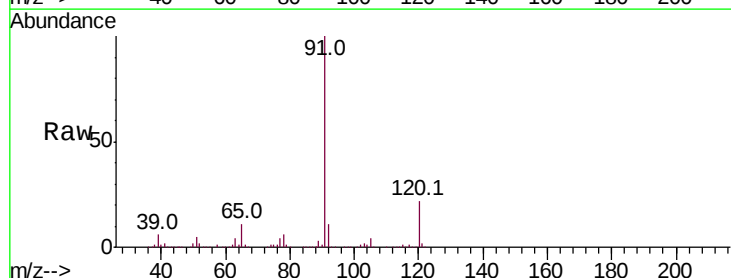
RT: 12.59 min Scan# 3364

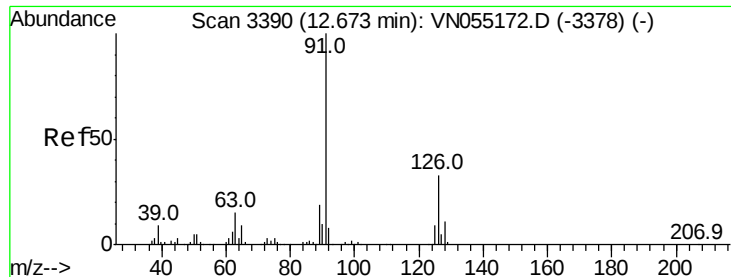
Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.9





#79

2-Chlorotoluene

Concen: 43.366 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

Tot Ion: 91 Resp: 721207

Ion Ratio Lower Upper

91 100

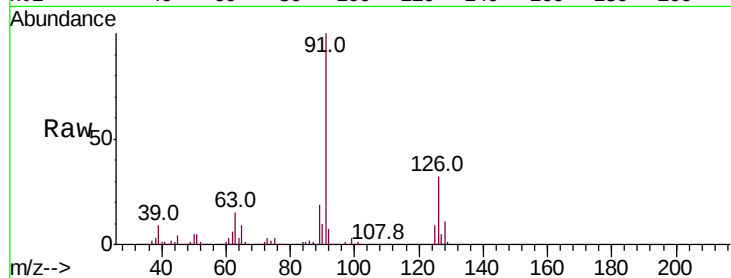
126 33.3 16.8 50.3

Manual Integrations

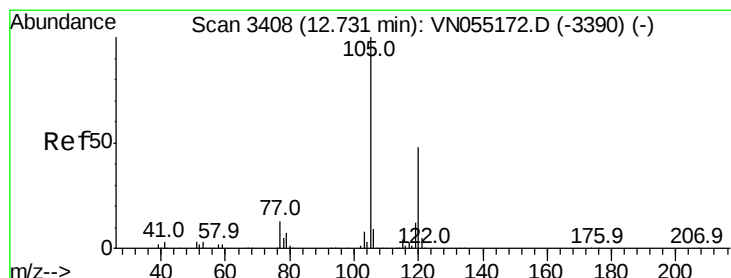
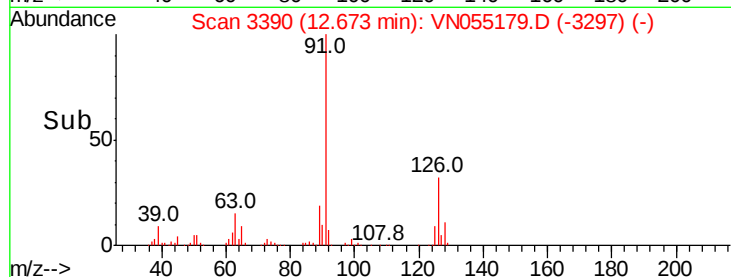
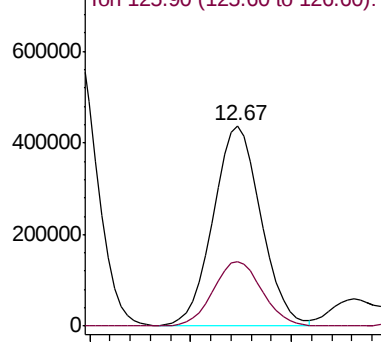
APPROVED

MMDadoda

4/23/2019 1:47:13 PM



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



#80

1,3,5-Trimethylbenzene

Concen: 45.454 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055179.D

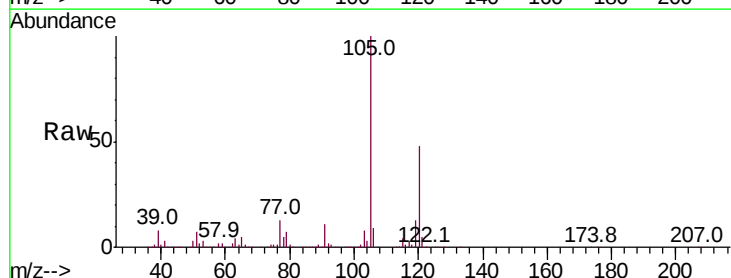
Acq: 22 Apr 2019 13:46

Tgt Ion:105 Resp: 893596

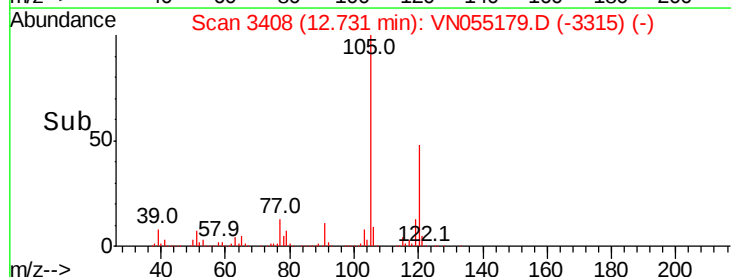
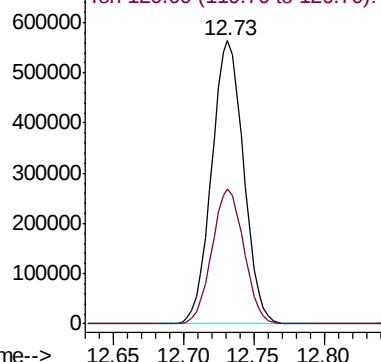
Ion Ratio Lower Upper

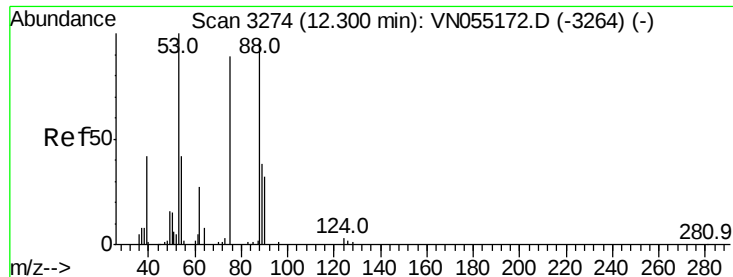
105 100

120 47.7 23.9 71.7



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





#81

trans-1,4-Dichloro-2-butene

Concen: 46.083 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

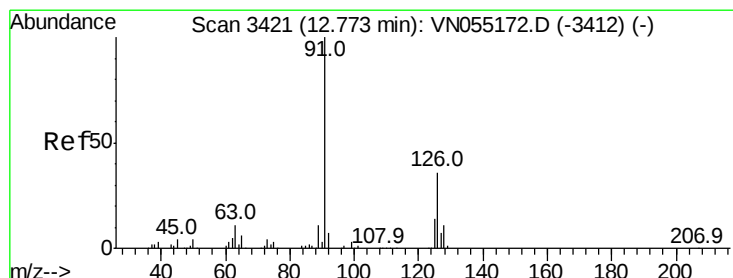
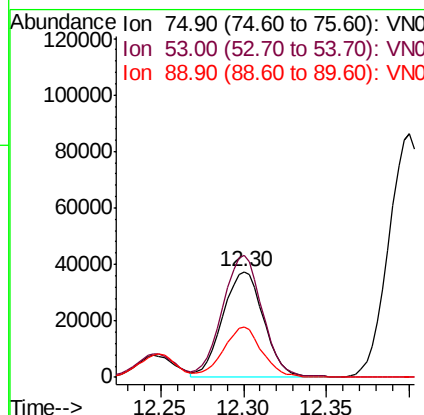
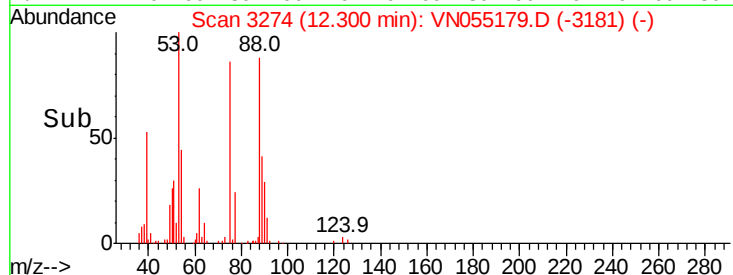
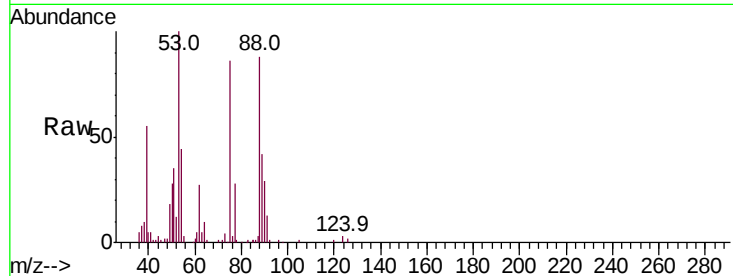
ClientSampleId :

ICVVN042219

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.1	90.1	135.1
89	44.5	36.7	55.1

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:47:13 PM



#82

4-Chlorotoluene

Concen: 45.655 ug/l

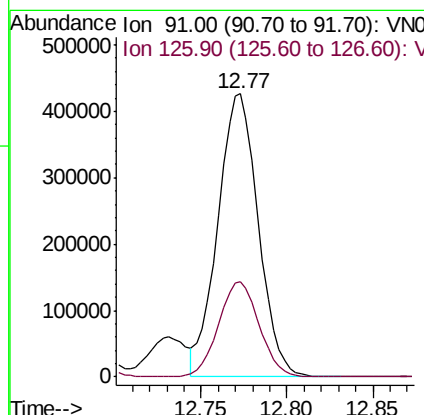
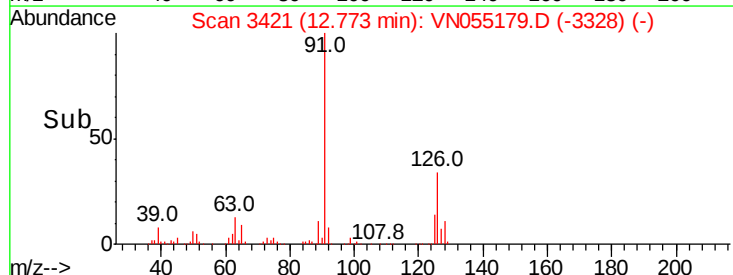
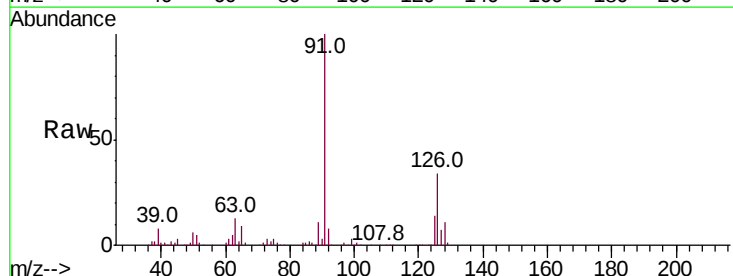
RT: 12.77 min Scan# 3421

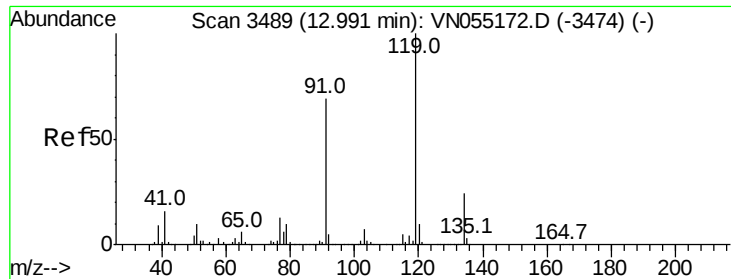
Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.5	49.5





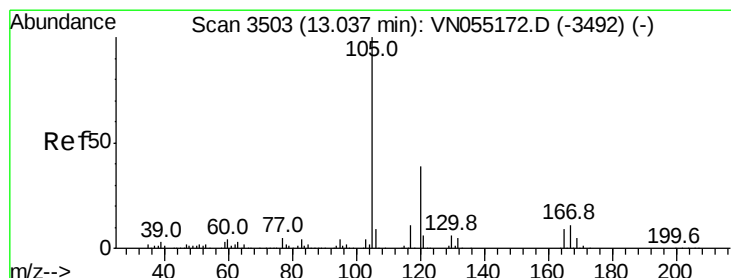
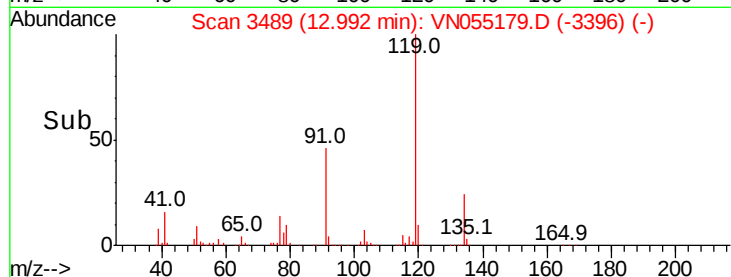
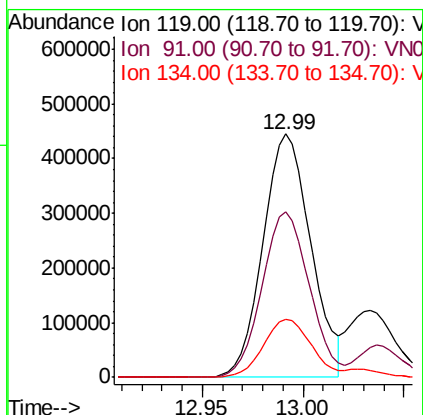
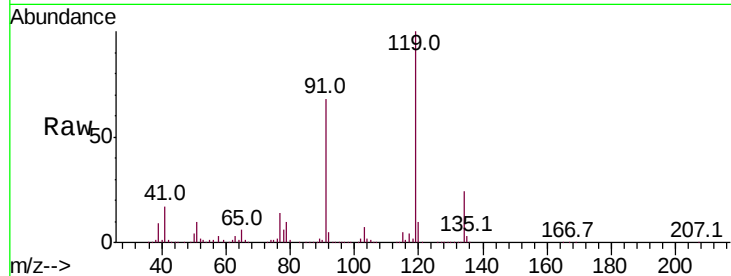
#83
tert-Butylbenzene
Concen: 49.828 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	33.8	101.3
134	24.0	13.2	39.5

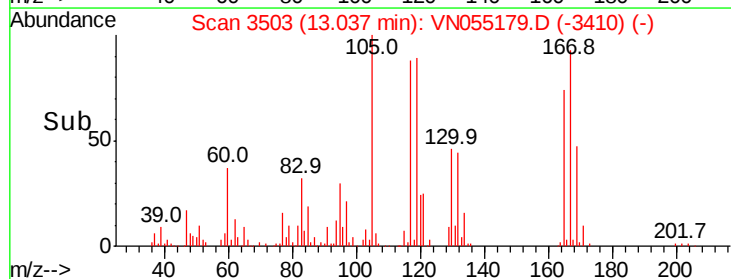
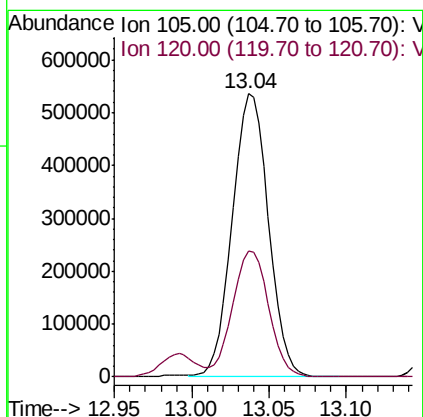
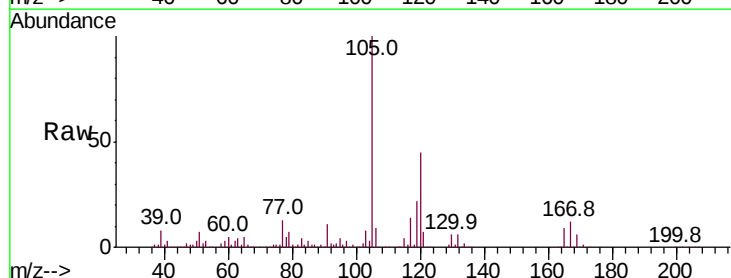
Manual Integrations
APPROVED

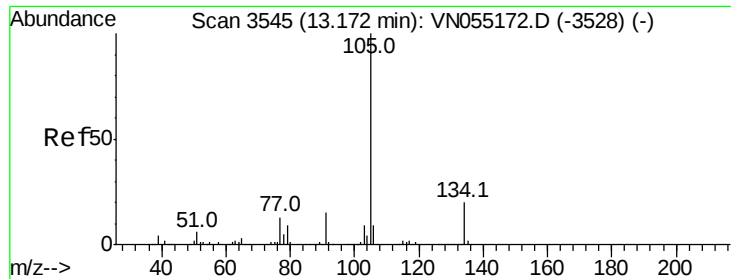
MMDadoda
4/23/2019 1:47:13 PM



#84
1,2,4-Trimethylbenzene
Concen: 46.761 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.7	68.1





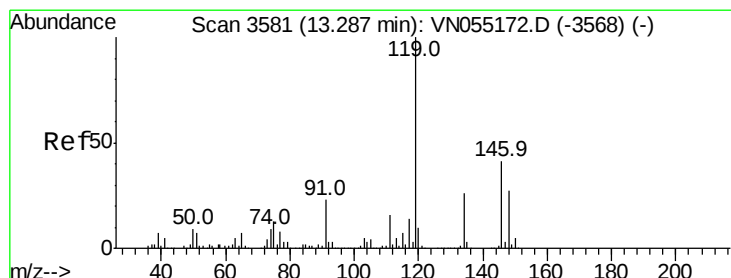
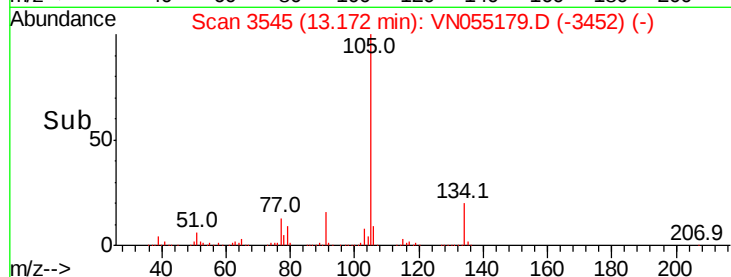
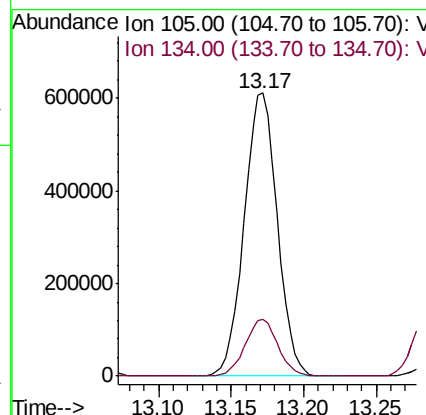
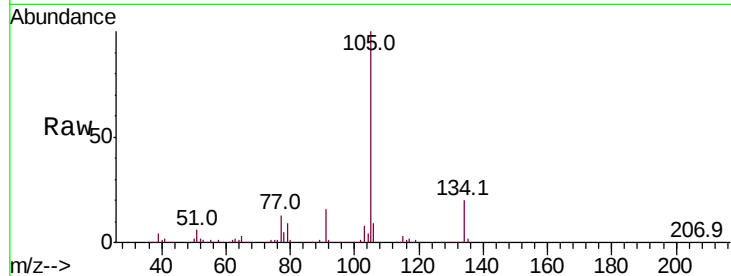
#85
 sec-Butylbenzene
 Concen: 43.613 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.0	30.0

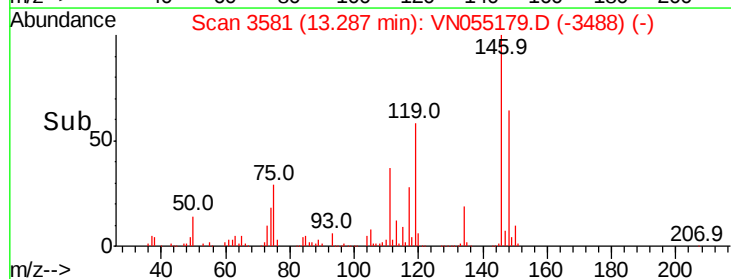
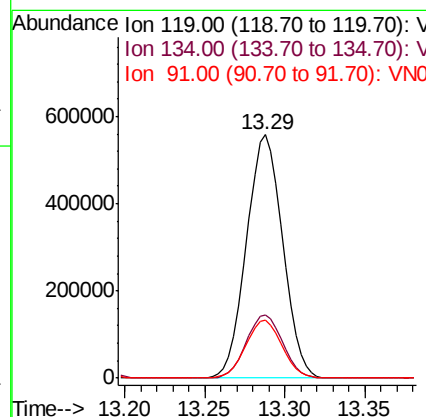
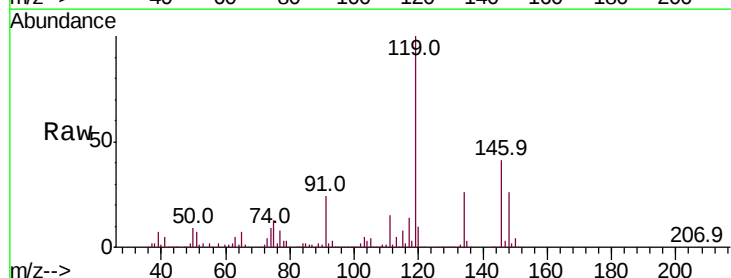
Manual Integrations
 APPROVED

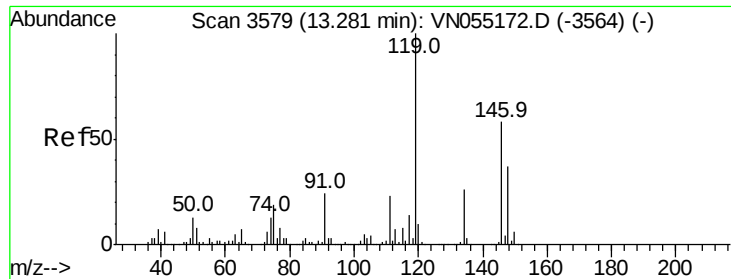
MMDadoda
 4/23/2019 1:47:13 PM



#86
 p-Isopropyltoluene
 Concen: 46.981 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.3
91	23.9	11.8	35.3





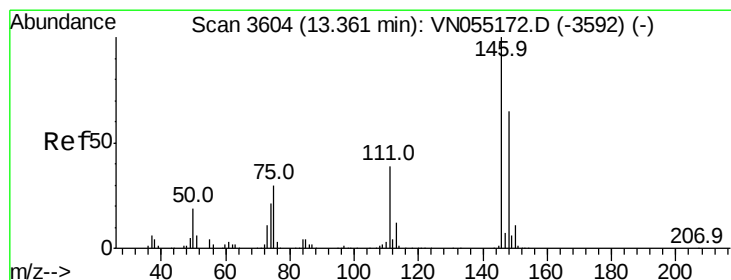
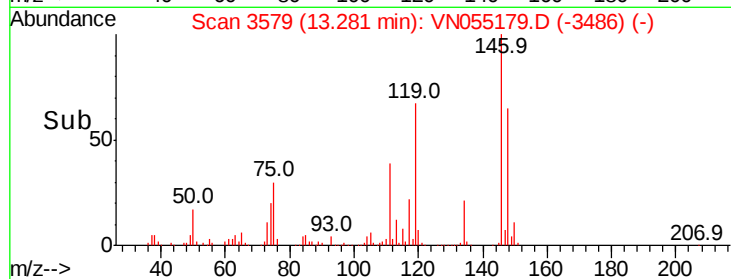
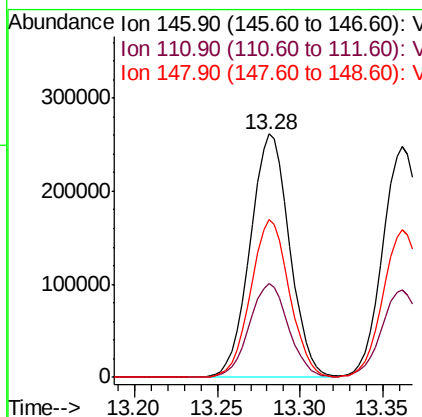
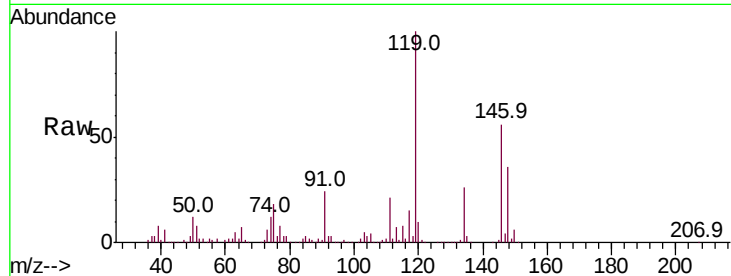
#87
 1,3-Dichlorobenzene
 Concen: 48.614 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.1
148	63.7	32.0	96.0

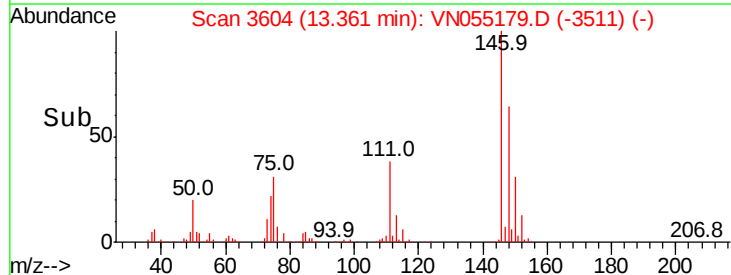
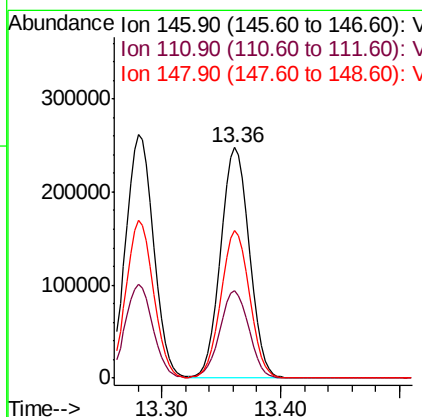
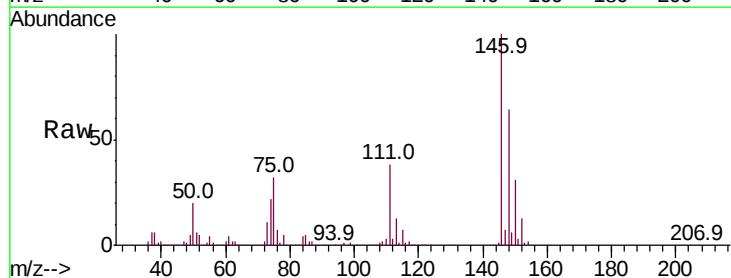
Manual Integrations
 APPROVED

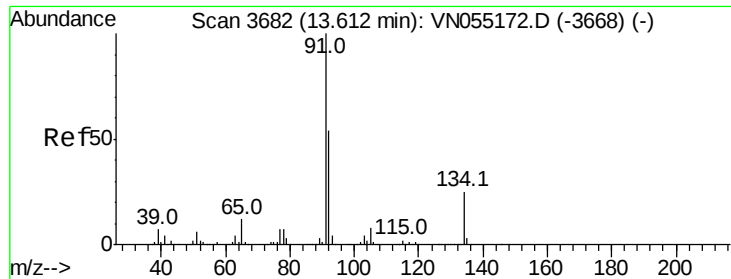
MMDadoda
 4/23/2019 1:47:13 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.819 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.2
148	63.9	32.9	98.6





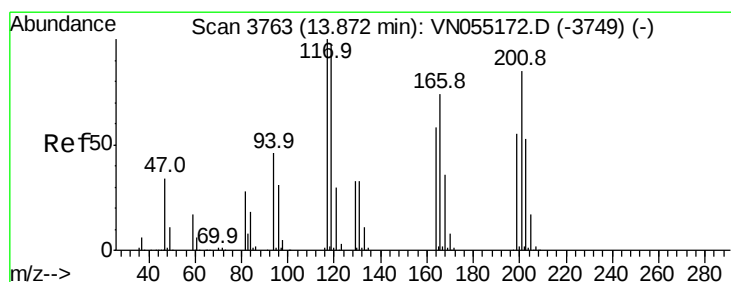
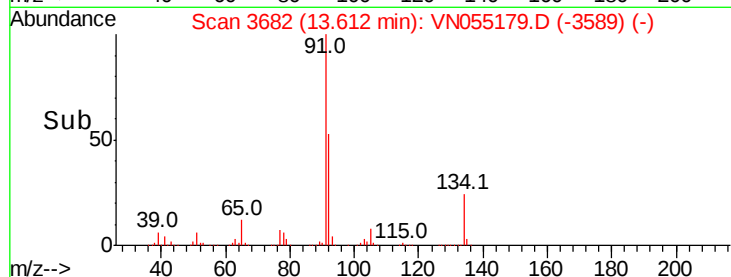
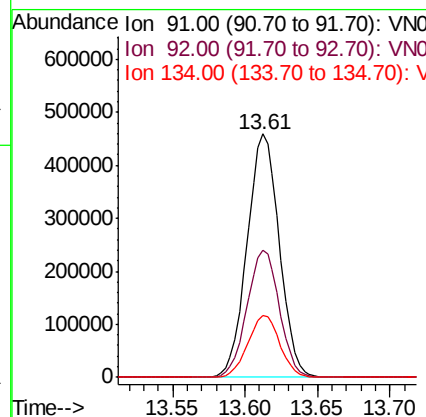
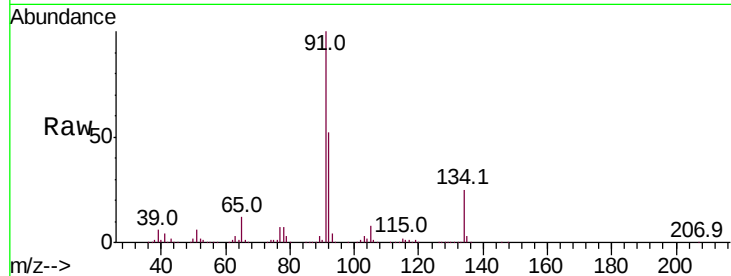
#89
n-Butylbenzene
Concen: 52.143 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.4	79.2
134	25.3	12.8	38.4

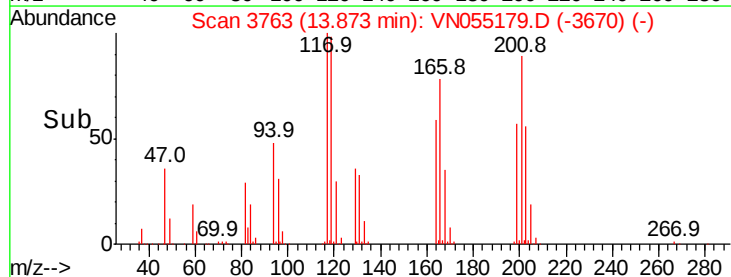
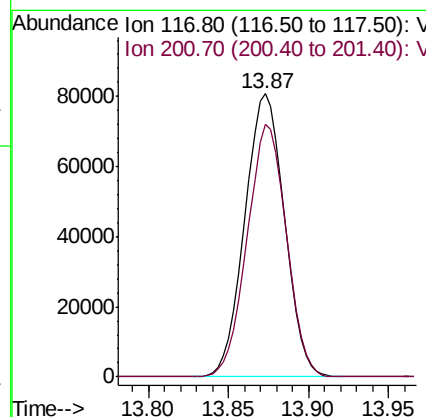
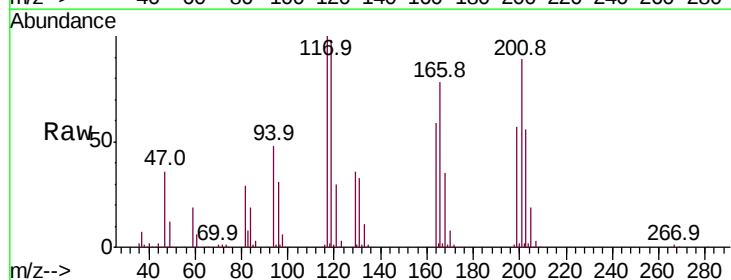
Manual Integrations
APPROVED

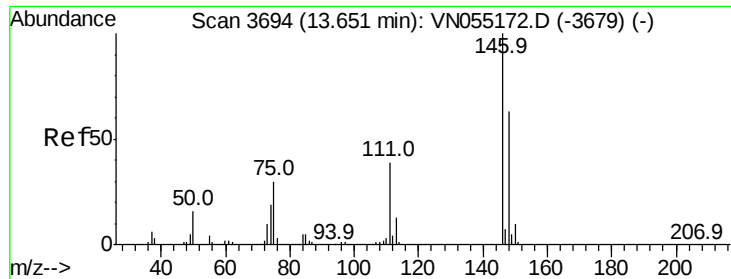
MMDadoda
4/23/2019 1:47:13 PM



#90
Hexachloroethane
Concen: 42.195 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.1	43.1	129.4





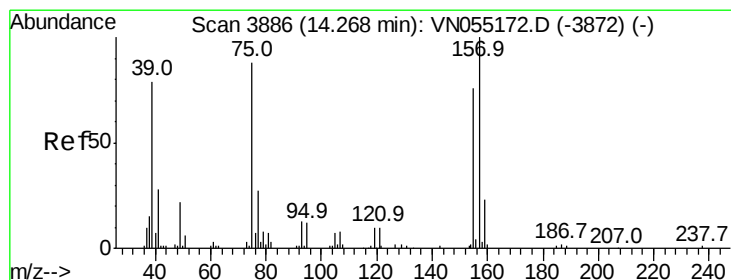
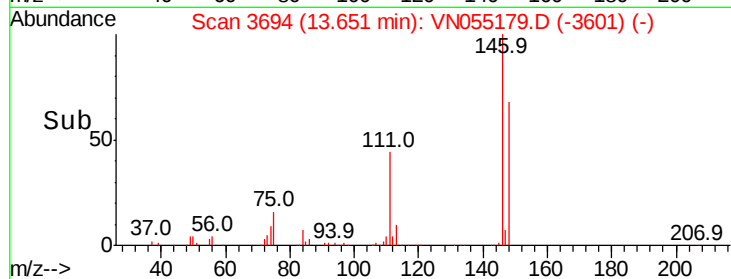
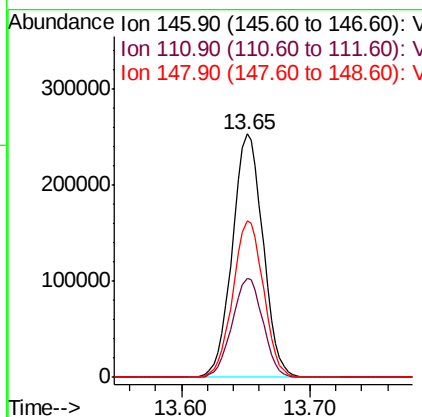
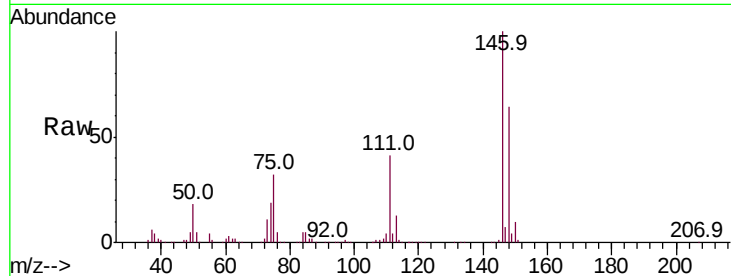
#91
 1,2-Dichlorobenzene
 Concen: 45.663 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.8	59.3
148	64.6	31.7	95.1

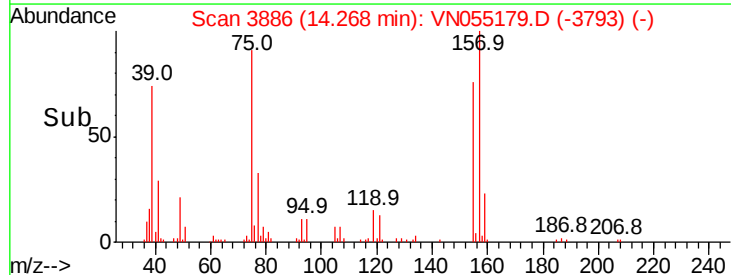
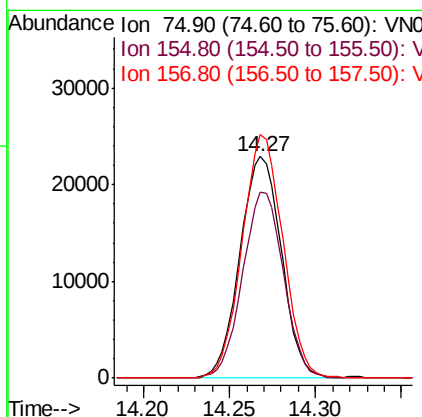
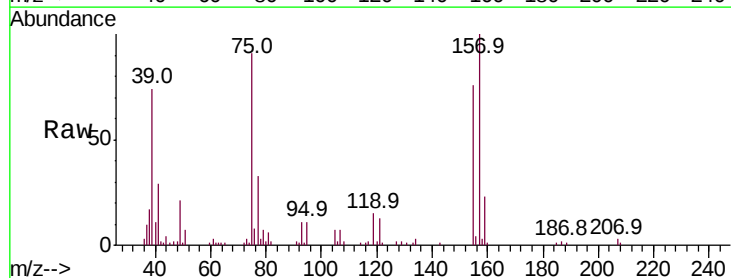
Manual Integrations
 APPROVED

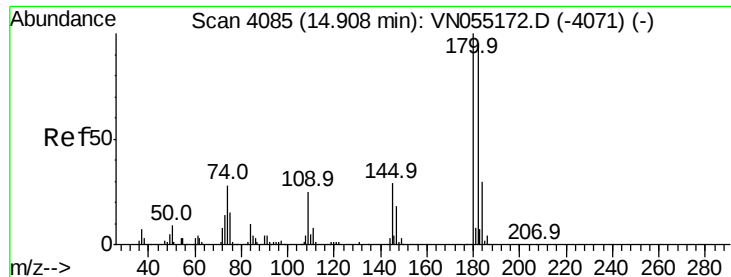
MMDadoda
 4/23/2019 1:47:13 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.197 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	43.0	129.0
157	107.7	55.7	167.1





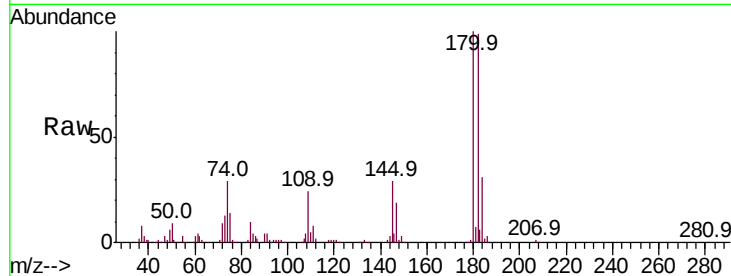
#93
 1,2,4-Trichlorobenzene
 Concen: 47.029 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN042219

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.9	47.8	143.4	
145	29.3	14.5	43.5	

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:47:13 PM

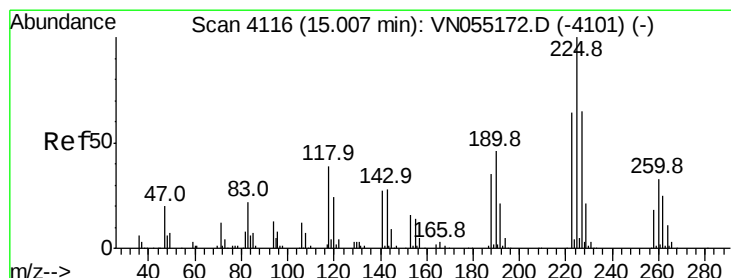
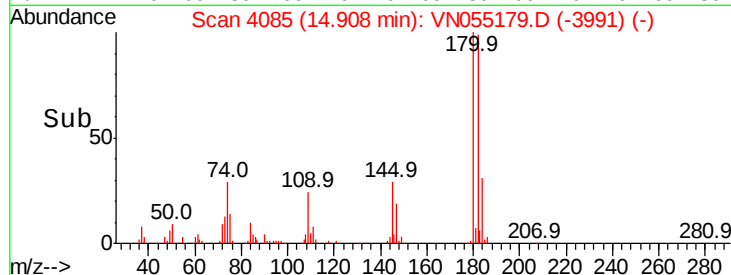
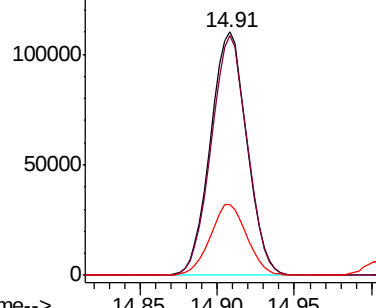


Abundance

Ion 179.80 (179.50 to 180.50): V

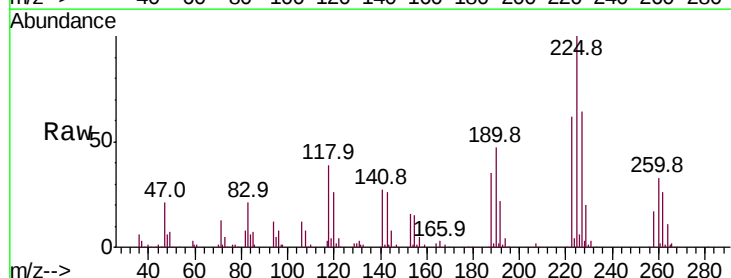
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.887 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	32.2	96.6	
227	65.1	32.6	98.0	

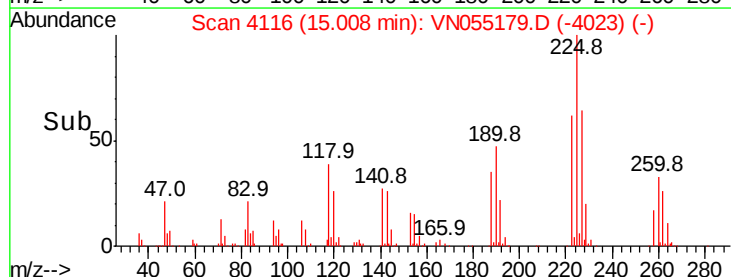
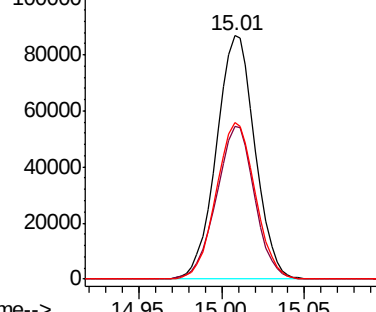


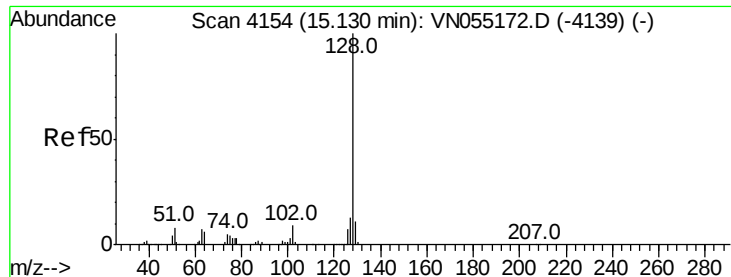
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 44.719 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

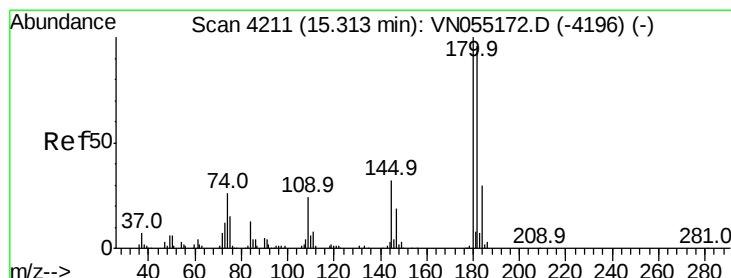
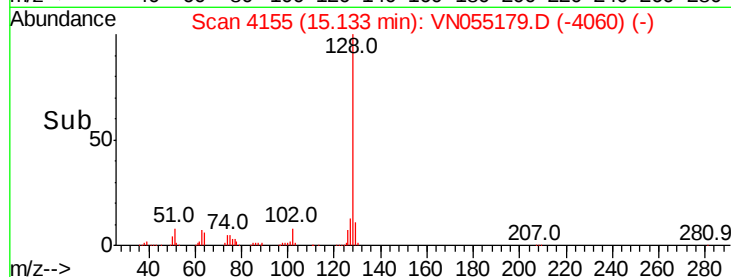
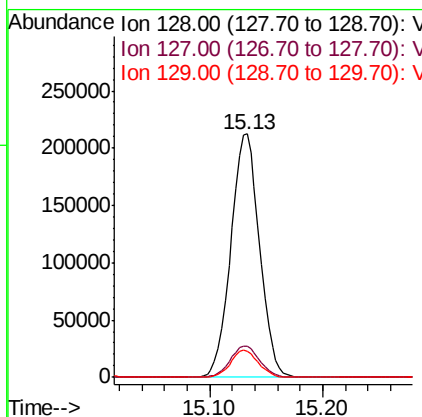
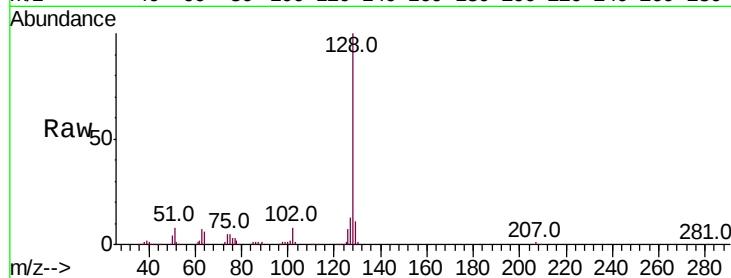
ClientSampled :

ICVVN042219

Tot Ion:	128	Resp:	374285
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:47:13 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.115 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Tgt Ion:	180	Resp:	180220
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.2	141.6
145	30.4	15.4	46.1

