

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042319\
 Data File : VN055195.D
 Acq On : 23 Apr 2019 10:33
 Operator : JC/SP
 Sample : VN0423WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 12:45:01 PM

Quant Time: Apr 23 15:39:35 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	447006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	699018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	624402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	242852	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	297648	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	7.59	113	239017	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.09	98	884152	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	282520	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	127132	22.089	ug/l	98
3) Chloromethane	2.06	50	152104	21.568	ug/l	99
4) Vinyl Chloride	2.19	62	116407	20.599	ug/l	97
5) Bromomethane	2.56	94	64439	19.663	ug/l	100
6) Chloroethane	2.70	64	62151	20.867	ug/l	99
7) Trichlorofluoromethane	3.02	101	164146	21.345	ug/l	98
8) Diethyl Ether	3.41	74	58584	21.343	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	99201	20.672	ug/l	100
10) Methyl Iodide	3.95	142	144207	21.429	ug/l	98
11) Tert butyl alcohol	4.79	59	35914	101.674	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	94163	20.475	ug/l	98
13) Acrolein	3.61	56	46445	93.887	ug/l	99
14) Allyl chloride	4.33	41	187914	20.669	ug/l	99
15) Acrylonitrile	4.99	53	204769	105.704	ug/l	99
16) Acetone	3.82	43	202514	101.250	ug/l	99
17) Carbon Disulfide	4.06	76	265023	20.613	ug/l	100
18) Methyl Acetate	4.33	43	91209	20.558	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	268340	21.104	ug/l	98
20) Methylene Chloride	4.55	84	114053	19.835	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	100484	20.836	ug/l	98
22) Diisopropyl ether	5.95	45	380009	20.969	ug/l	99
23) Vinyl Acetate	5.90	43	1329171	109.144	ug/l	100
24) 1,1-Dichloroethane	5.85	63	199522	20.469	ug/l	99
25) 2-Butanone	6.83	43	262214	101.545	ug/l	99
26) 2,2-Dichloropropane	6.83	77	138761	21.036	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	117224	21.087	ug/l	98
28) Bromochloromethane	7.19	49	102486	20.626	ug/l	98
29) Tetrahydrofuran	7.21	42	167108	105.253	ug/l	100
30) Chloroform	7.37	83	189732	20.462	ug/l	100
31) Cyclohexane	7.65	56	196152	20.732	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	155773	20.911	ug/l	100
36) 1,1-Dichloropropene	7.79	75	142578	21.976	ug/l	99
37) Ethyl Acetate	6.93	43	110514	21.106	ug/l	98
38) Carbon Tetrachloride	7.77	117	131457	21.637	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042319\
 Data File : VN055195.D
 Acq On : 23 Apr 2019 10:33
 Operator : JC/SP
 Sample : VN0423WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0423WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 12:45:01 PM

Quant Time: Apr 23 15:39:35 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	162139	20.948	ug/l	99
40) Benzene	8.04	78	436828	21.811	ug/l	99
41) Methacrylonitrile	7.18	41	61520	22.411	ug/l	98
42) 1,2-Dichloroethane	8.13	62	150543	21.546	ug/l	99
43) Isopropyl Acetate	8.16	43	187033	22.059	ug/l	99
44) Trichloroethene	8.84	130	107318	21.200	ug/l	96
45) 1,2-Dichloropropane	9.12	63	119288	21.100	ug/l	99
46) Dibromomethane	9.21	93	69418	21.450	ug/l	98
47) Bromodichloromethane	9.40	83	142070	21.929	ug/l	98
48) Methyl methacrylate	9.20	41	87528	21.282	ug/l	98
49) 1,4-Dioxane	9.20	88	20060	422.346	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	523452	107.287	ug/l	100
52) Toluene	10.16	92	251275	21.401	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	129914	21.850	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	160433	21.744	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	92728	21.422	ug/l	98
56) Ethyl methacrylate	10.43	69	115523	21.424	ug/l	99
57) 1,3-Dichloropropane	10.71	76	161846	21.490	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	172367	90.495	ug/l	99
59) 2-Hexanone	10.75	43	331678	107.625	ug/l	100
60) Dibromochloromethane	10.90	129	96296	21.598	ug/l	96
61) 1,2-Dibromoethane	11.00	107	89266	21.934	ug/l	99
64) Tetrachloroethene	10.63	164	103128	20.246	ug/l	98
65) Chlorobenzene	11.43	112	253853	19.918	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	94567	20.020	ug/l	100
67) Ethyl Benzene	11.51	91	469045	20.661	ug/l	99
68) m/p-Xylenes	11.62	106	337969	41.507	ug/l	100
69) o-Xylene	11.95	106	166430	20.596	ug/l	98
70) Styrene	11.96	104	266113	21.246	ug/l	99
71) Bromoform	12.13	173	58781	20.853	ug/l #	99
73) Isopropylbenzene	12.25	105	442616	21.392	ug/l	100
74) N-amyl acetate	12.07	43	127326	20.336	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	115388	21.996	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	90125m	18.293	ug/l	
77) Bromobenzene	12.53	156	104362	19.466	ug/l	100
78) n-propylbenzene	12.59	91	484934	19.911	ug/l	99
79) 2-Chlorotoluene	12.67	91	301485	19.604	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	364907	20.072	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	24874	19.139	ug/l	96
82) 4-Chlorotoluene	12.77	91	279646	19.764	ug/l	98
83) tert-Butylbenzene	12.99	119	315267	21.840	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	349921	20.396	ug/l	100
85) sec-Butylbenzene	13.17	105	397223	19.313	ug/l	99
86) p-Isopropyltoluene	13.29	119	345263	20.376	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	167251	20.322	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	158541	19.786	ug/l	99
89) n-Butylbenzene	13.61	91	252534	20.107	ug/l	99
90) Hexachloroethane	13.87	117	57531	19.144	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	167777	19.847	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14753	20.006	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042319\
Data File : VN055195.D
Acq On : 23 Apr 2019 10:33
Operator : JC/SP
Sample : VN0423WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:45:01 PM

Quant Time: Apr 23 15:39:35 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	56456	17.680	ug/l	99
94) Hexachlorobutadiene	15.01	225	57488	22.066	ug/l	99
95) Naphthalene	15.13	128	119839	17.700	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	60989	18.588	ug/l	99

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

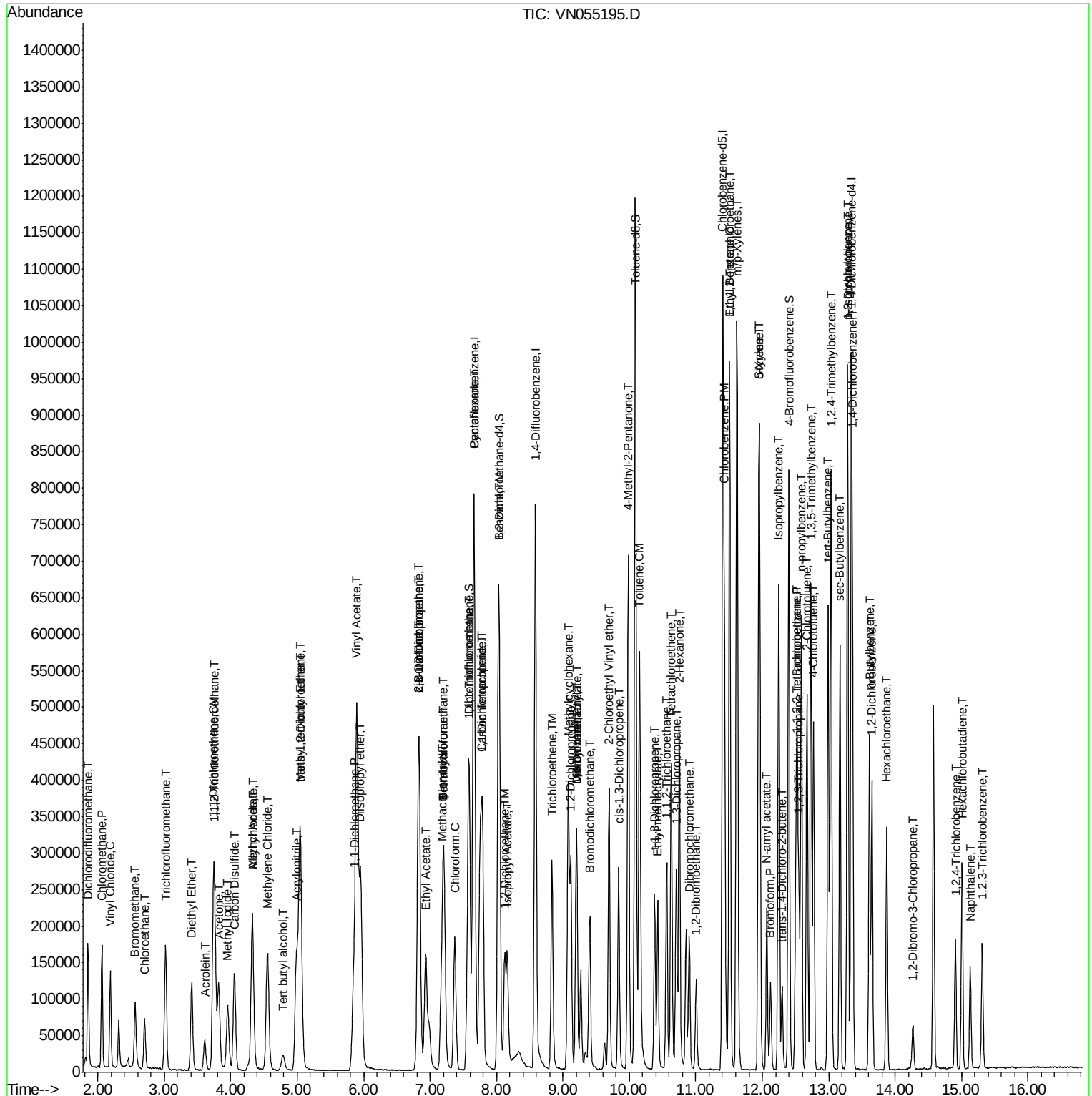
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN042319\
Data File : VN055195.D
Acq On : 23 Apr 2019 10:33
Operator : JC/SP
Sample : VN0423WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

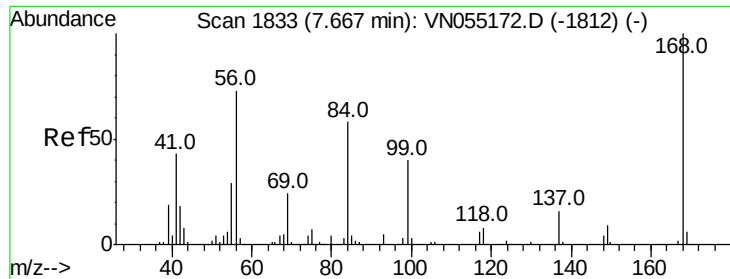
Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:45:01 PM

Quant Time: Apr 23 15:39:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 05:52:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0423WBS01

Tot Ion:168 Resp: 447006

Ion Ratio Lower Upper

168 100

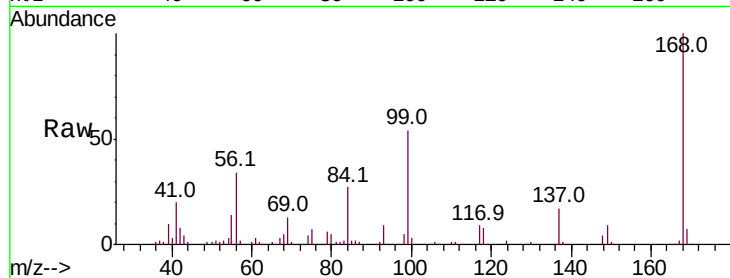
99 52.9 42.0 63.0

Manual Integrations

APPROVED

MMDadoda

4/24/2019 12:45:01 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

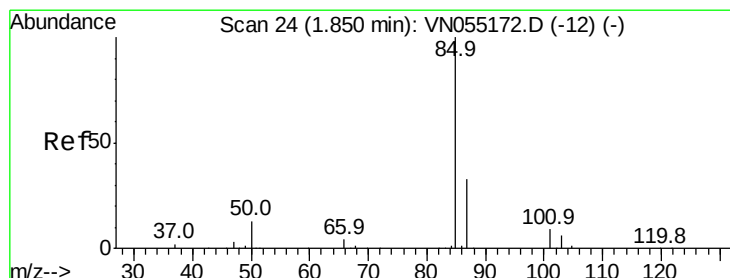
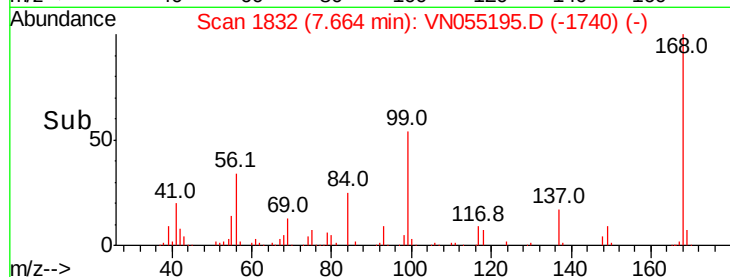
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.089 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055195.D

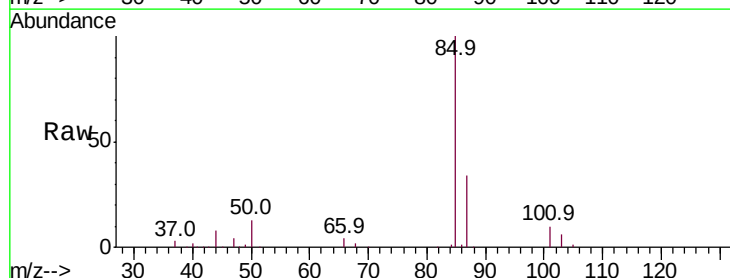
Acq: 23 Apr 2019 10:33

Tgt Ion: 85 Resp: 127132

Ion Ratio Lower Upper

85 100

87 33.6 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

100000

80000

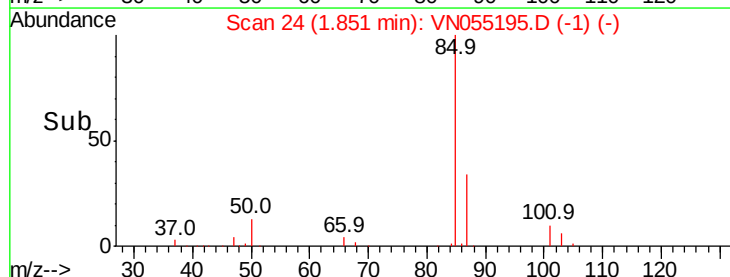
60000

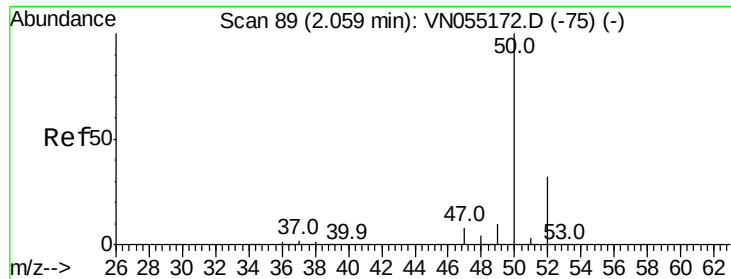
40000

20000

0

Time-->





#3

Chloromethane

Concen: 21.568 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0423WBS01

Tot Ion: 50 Resp: 152104

Ion Ratio Lower Upper

50 100

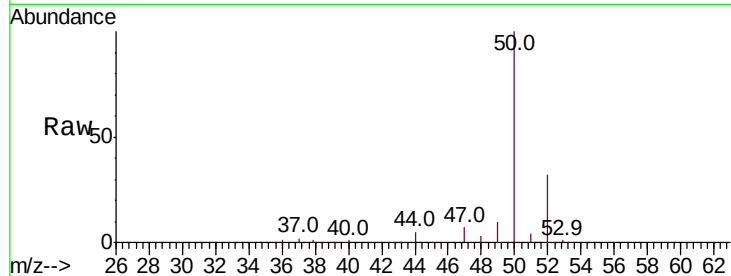
52 31.7 25.8 38.6

Manual Integrations

APPROVED

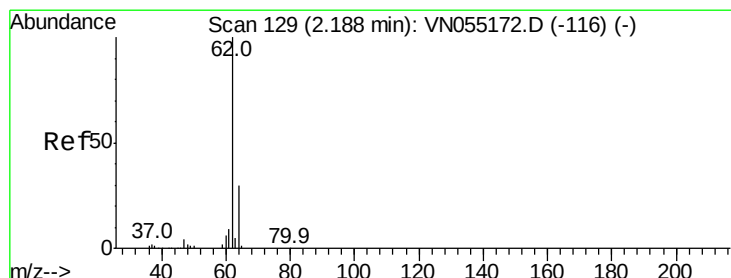
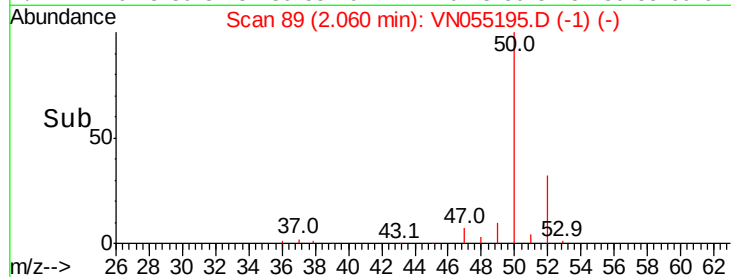
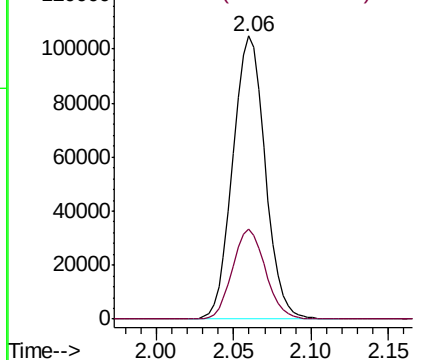
MMDadoda

4/24/2019 12:45:01 PM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.599 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055195.D

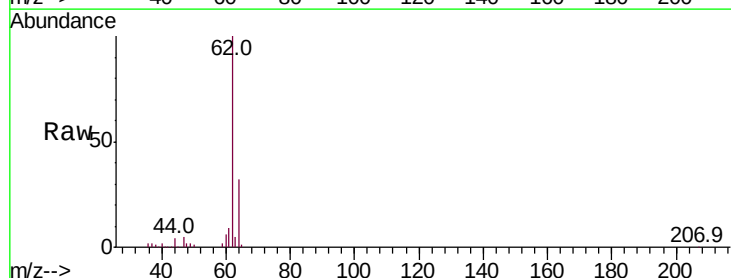
Acq: 23 Apr 2019 10:33

Tgt Ion: 62 Resp: 116407

Ion Ratio Lower Upper

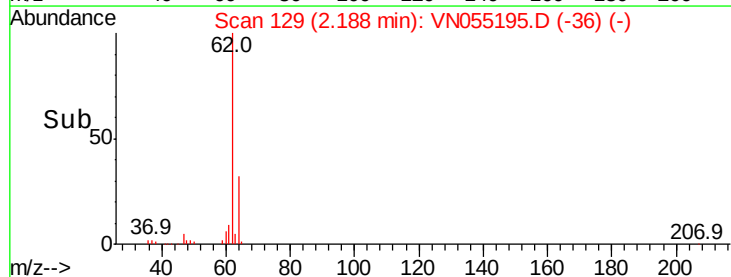
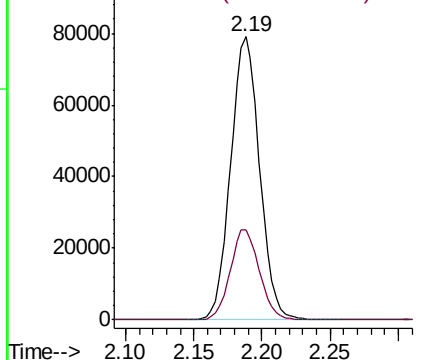
62 100

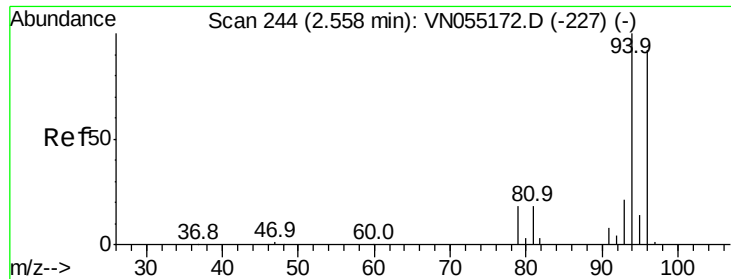
64 32.0 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.663 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0423WBS01

Tot Ion: 94 Resp: 64439

Ion Ratio Lower Upper

94 100

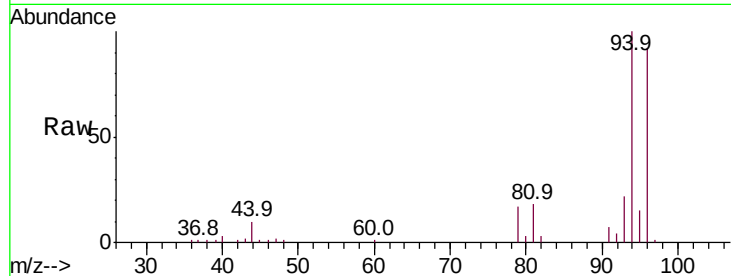
96 91.7 73.4 110.2

Manual Integrations

APPROVED

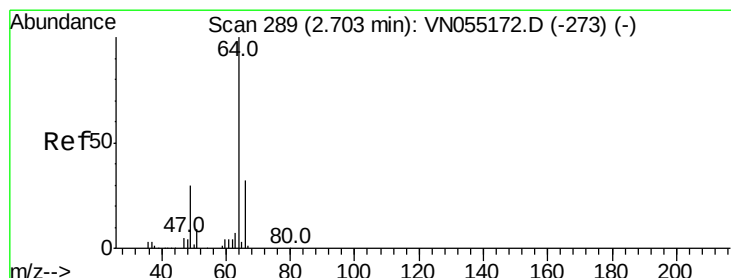
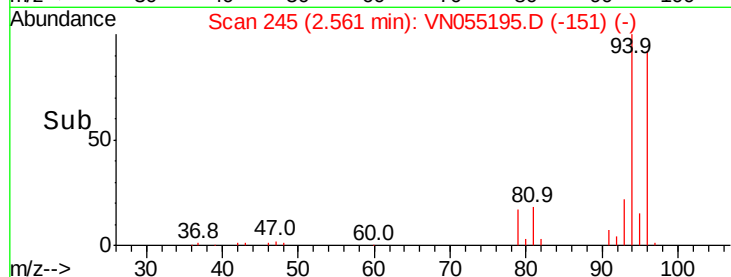
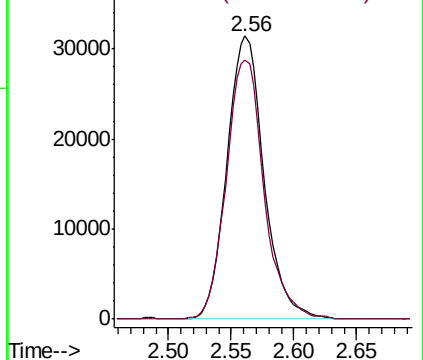
MMDadoda

4/24/2019 12:45:01 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.867 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055195.D

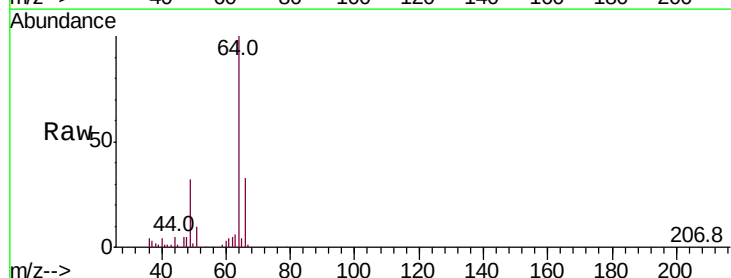
Acq: 23 Apr 2019 10:33

Tgt Ion: 64 Resp: 62151

Ion Ratio Lower Upper

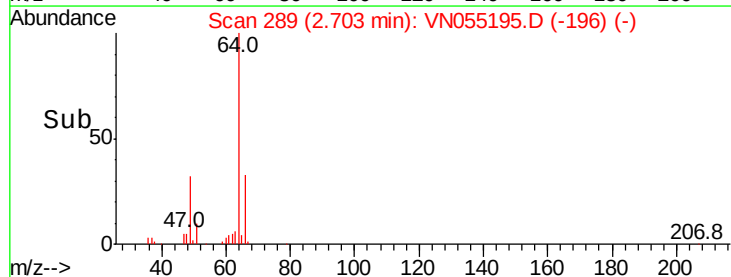
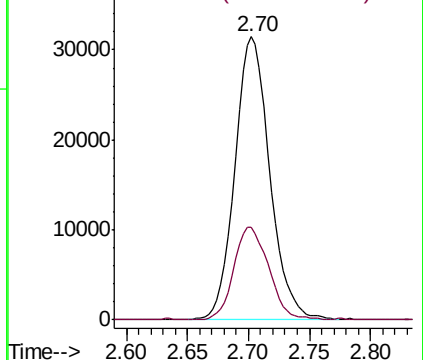
64 100

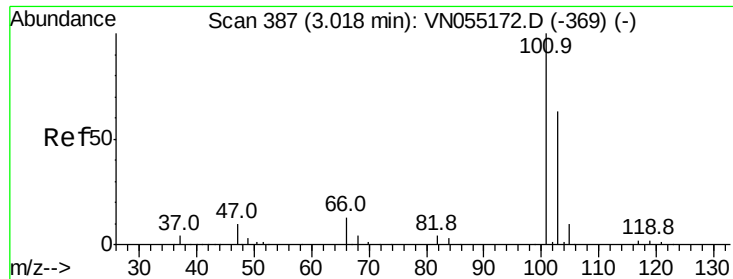
66 32.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

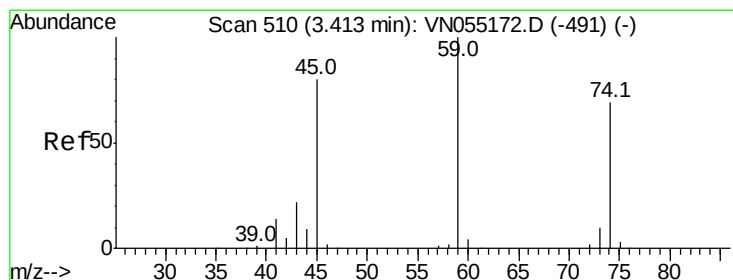
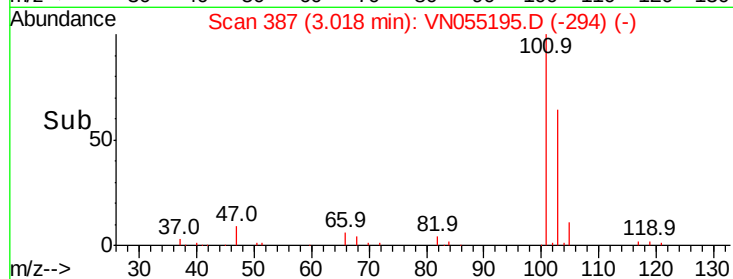
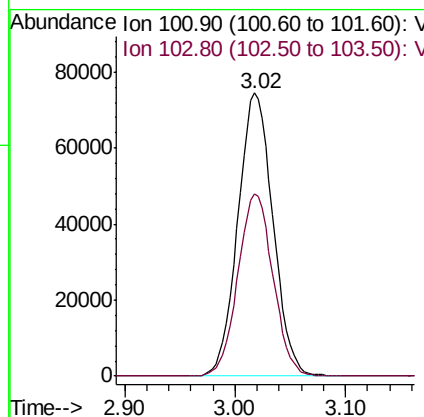
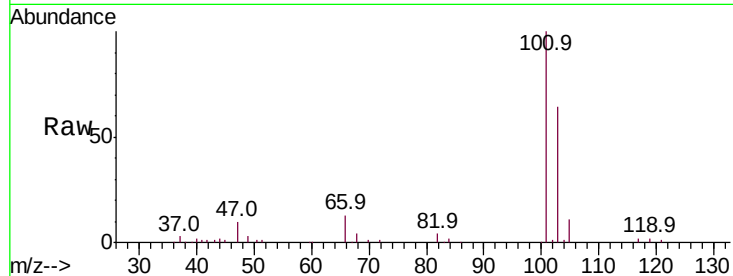
Trichlorofluoromethane
 Concen: 21.345 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBS01

Tot Ion:101 Resp: 164146
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.1 75.1

Manual Integrations
 APPROVED

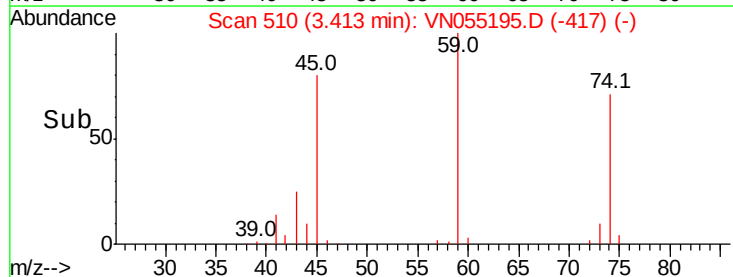
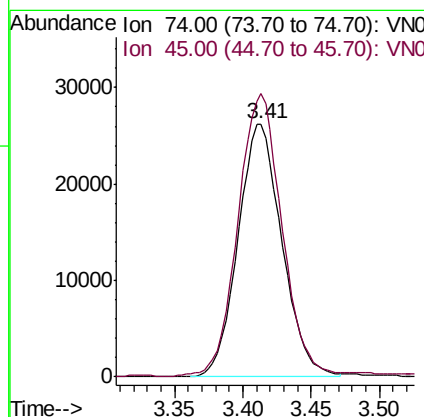
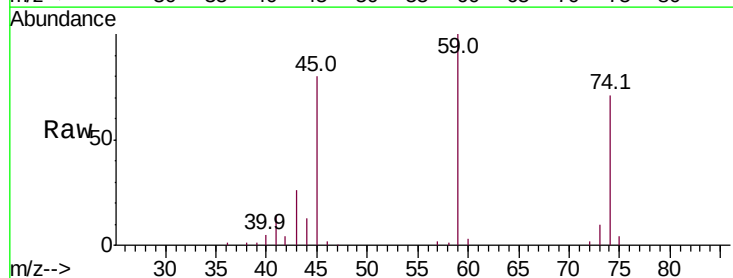
MMDadoda
 4/24/2019 12:45:01 PM

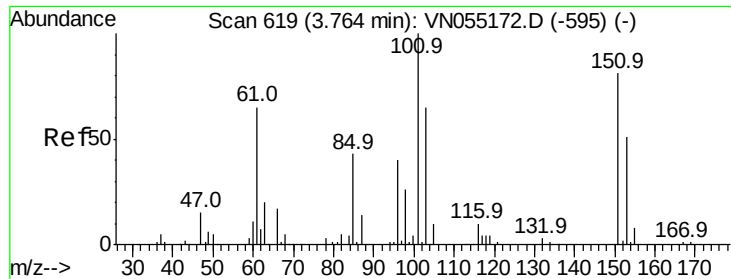


#8

Diethyl Ether
 Concen: 21.343 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Tgt Ion: 74 Resp: 58584
 Ion Ratio Lower Upper
 74 100
 45 112.5 56.9 170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.672 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

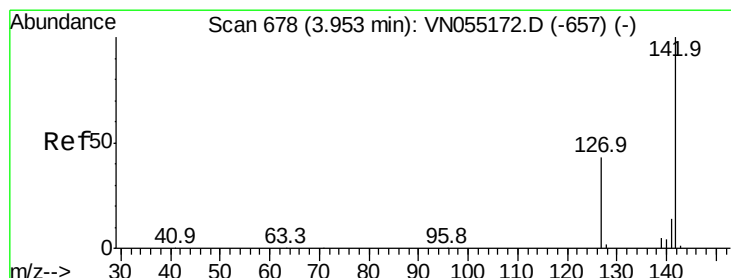
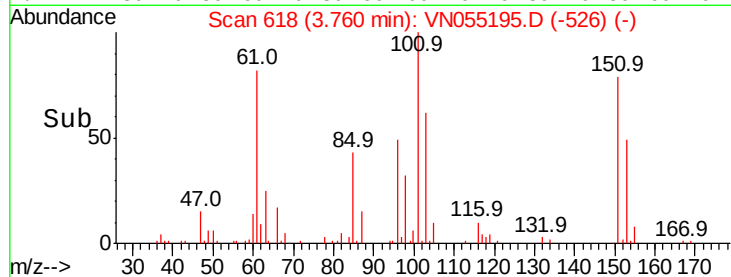
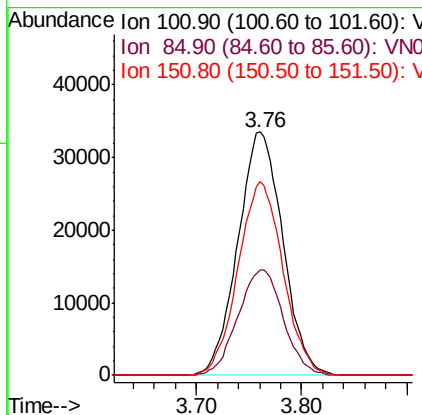
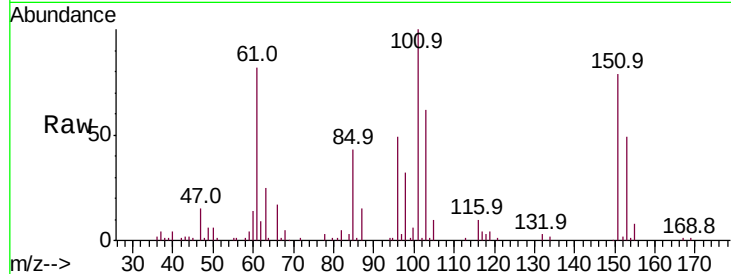
ClientSampleId :

VN0423WBS01

Tot Ion:	101	Resp:	99201
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.9	52.3
151	79.4	63.8	95.8

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:45:01 PM



#10

Methyl Iodide

Concen: 21.429 ug/l

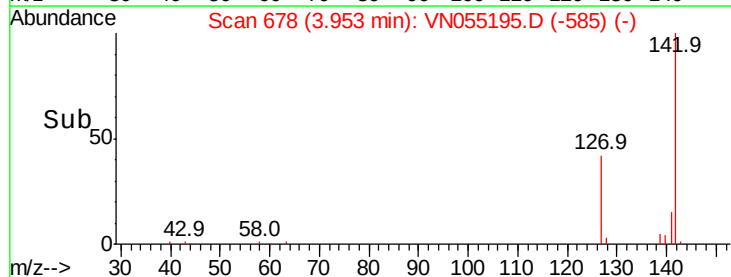
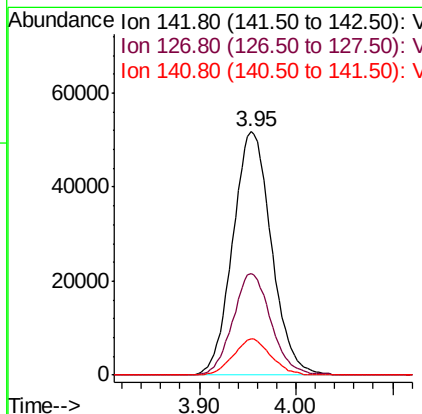
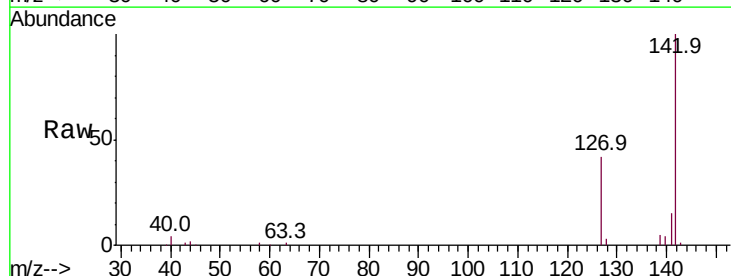
RT: 3.95 min Scan# 678

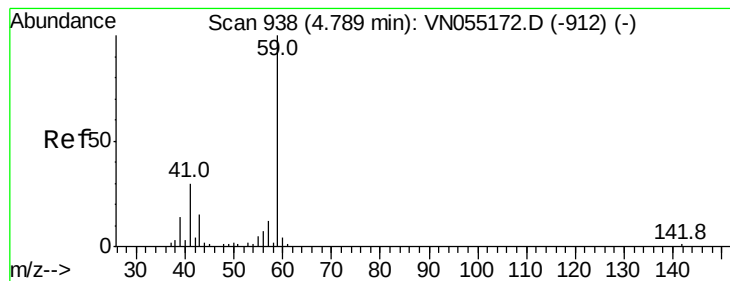
Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Tgt Ion:	142	Resp:	144207
Ion Ratio	Lower	Upper	
142	100		
127	41.1	34.1	51.1
141	14.3	11.4	17.2





#11

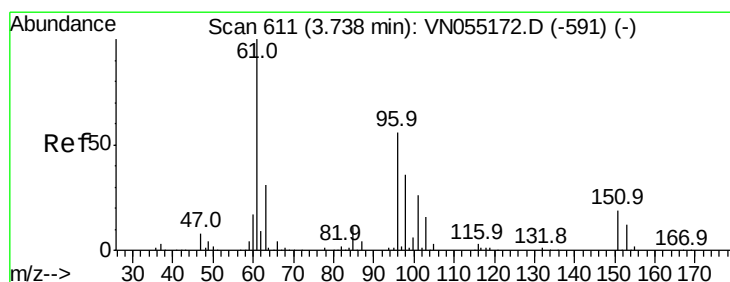
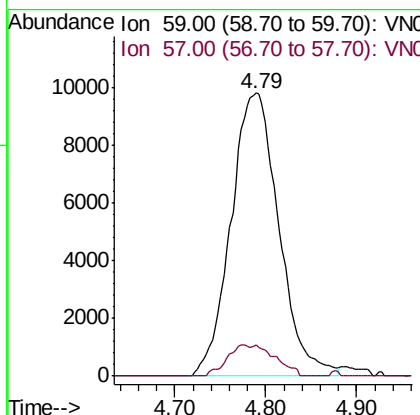
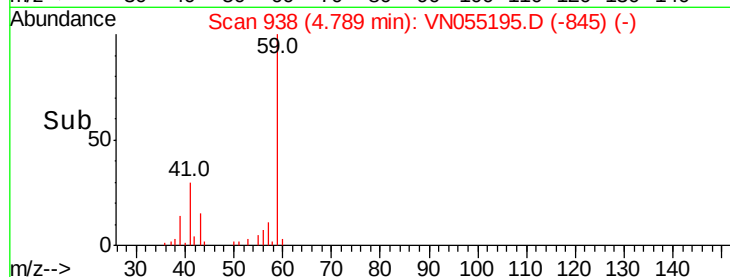
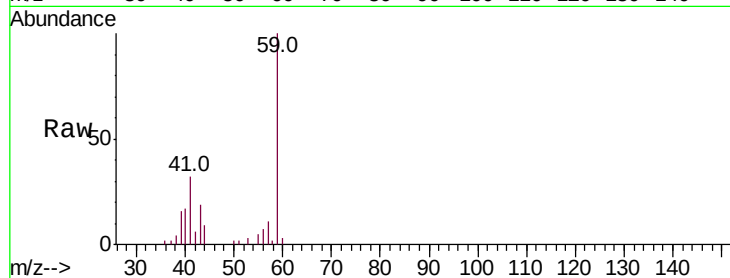
Tert butyl alcohol
Concen: 101.674 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

Tot Ion	59	Ratio	Lower	Upper
59	100			
57	5.4		8.8	13.2#

Manual Integrations
APPROVED

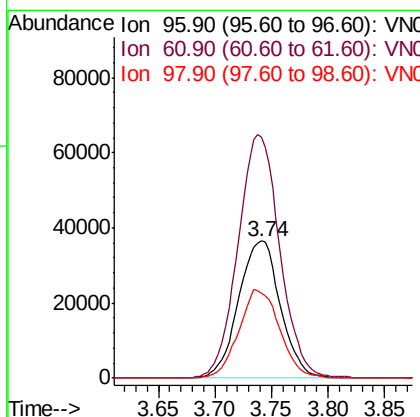
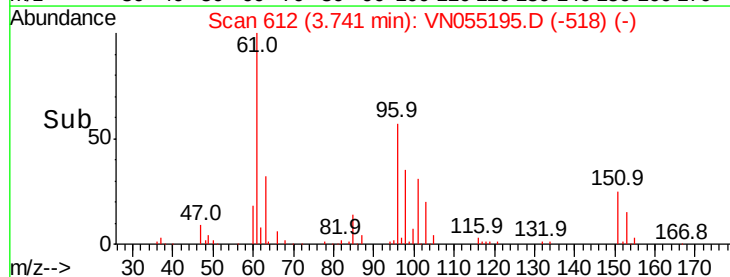
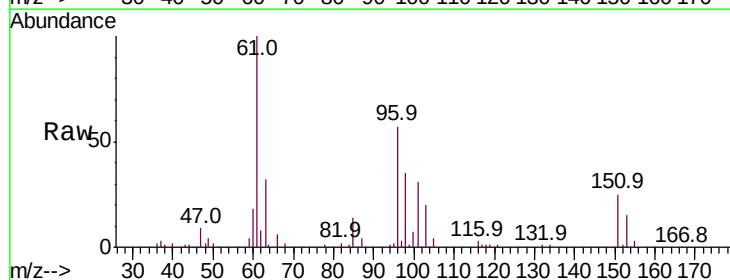
MMDadoda
4/24/2019 12:45:01 PM

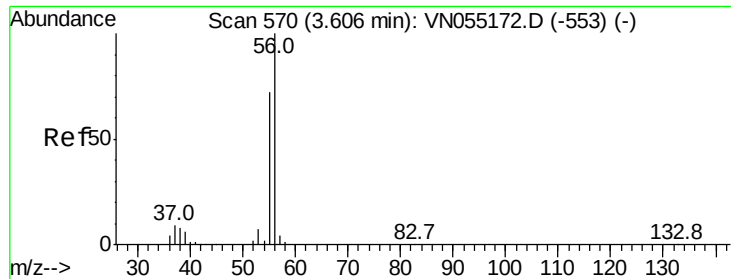


#12

1,1-Dichloroethene
Concen: 20.475 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Tgt Ion	96	Ratio	Lower	Upper
96	100			
61	175.8		142.1	213.1
98	62.0		51.2	76.8





#13

Acrolein

Concen: 93.887 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0423WBS01

Tot Ion: 56 Resp: 46445

Ion Ratio Lower Upper

56 100

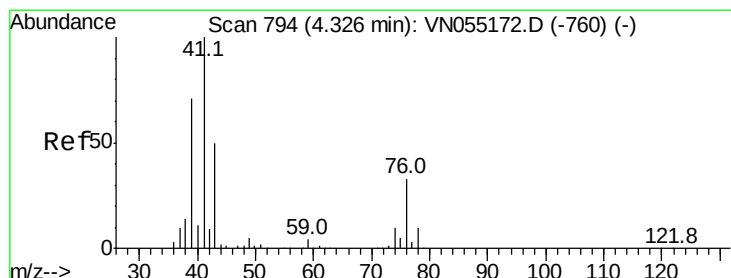
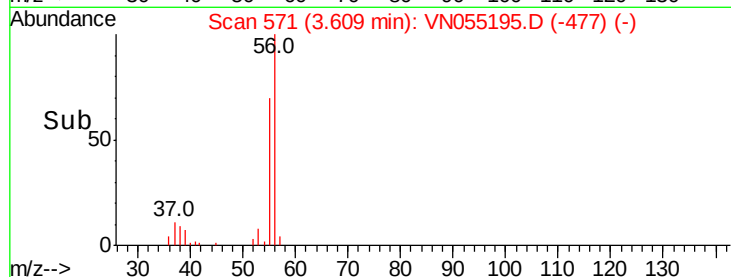
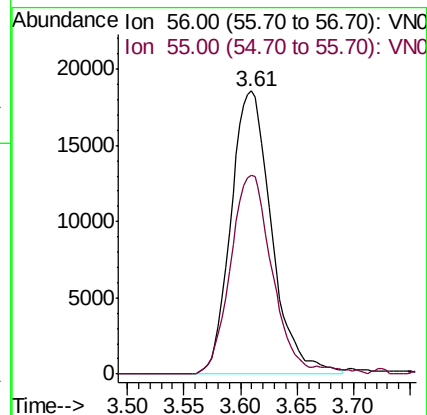
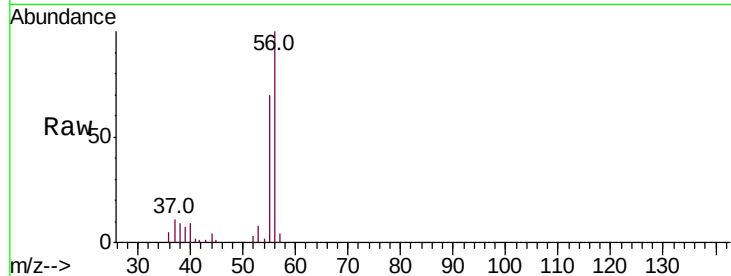
55 71.2 57.4 86.0

Manual Integrations

APPROVED

MMDadoda

4/24/2019 12:45:01 PM



#14

Allyl chloride

Concen: 20.669 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

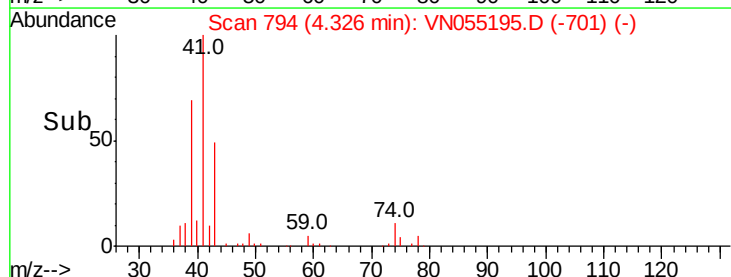
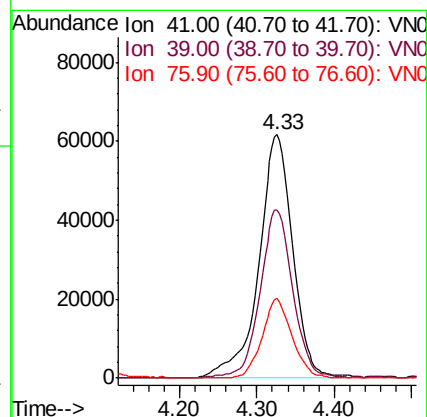
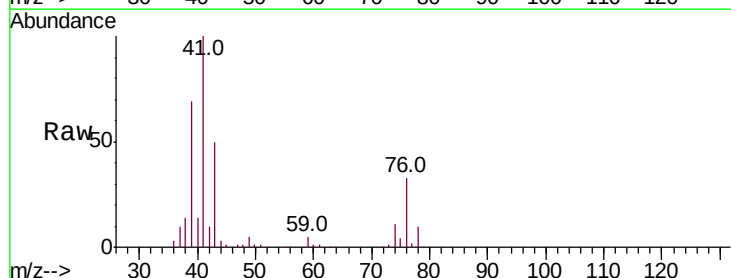
Tgt Ion: 41 Resp: 187914

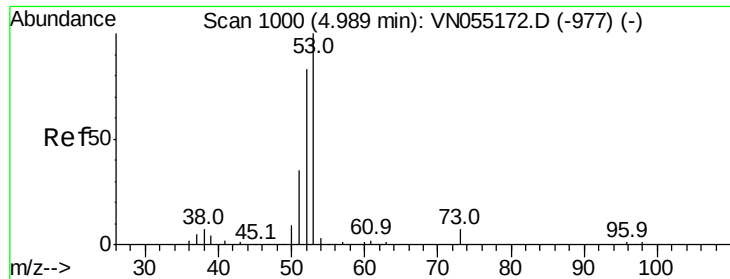
Ion Ratio Lower Upper

41 100

39 65.8 52.9 79.3

76 29.0 23.6 35.4





#15

Acrylonitrile

Concen: 105.704 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

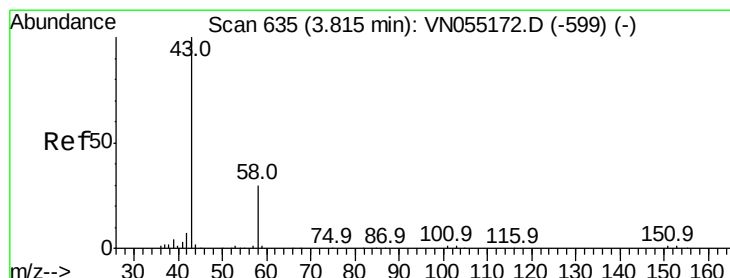
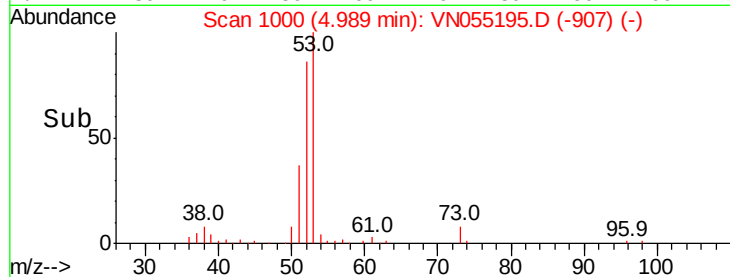
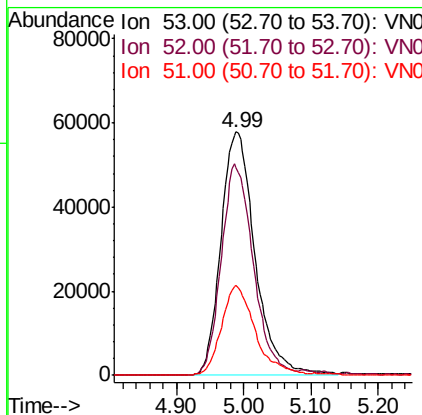
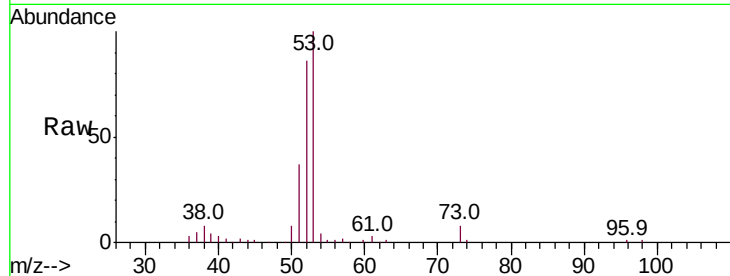
ClientSampleId :

VN0423WBS01

Tot Ion:	53	Resp:	204769
Ion Ratio	Lower	Upper	
53	100		
52	81.5	65.8	98.8
51	36.6	28.9	43.3

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:45:01 PM



#16

Acetone

Concen: 101.250 ug/l

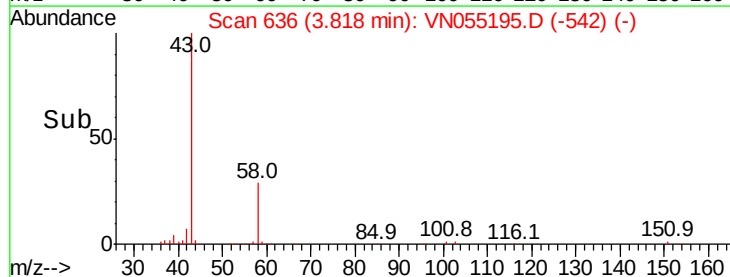
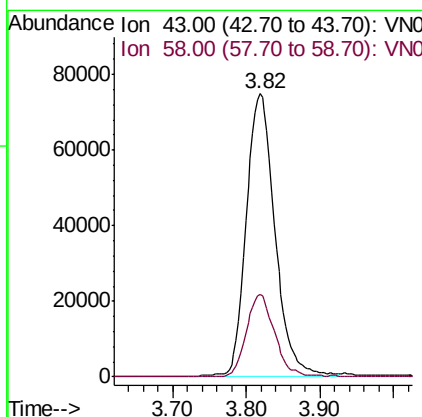
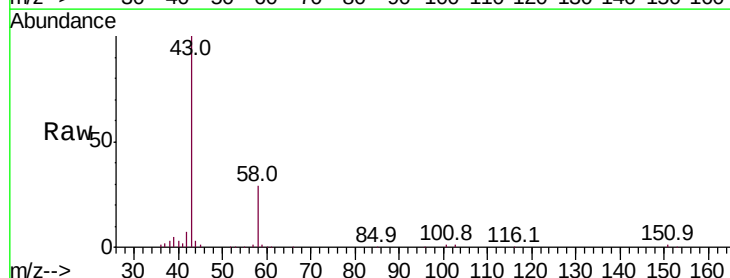
RT: 3.82 min Scan# 636

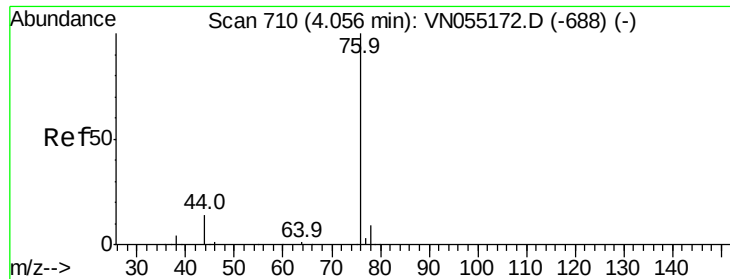
Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Tgt Ion:	43	Resp:	202514
Ion Ratio	Lower	Upper	
43	100		
58	29.4	23.8	35.8





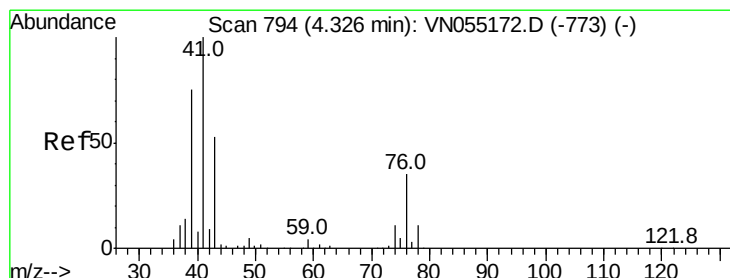
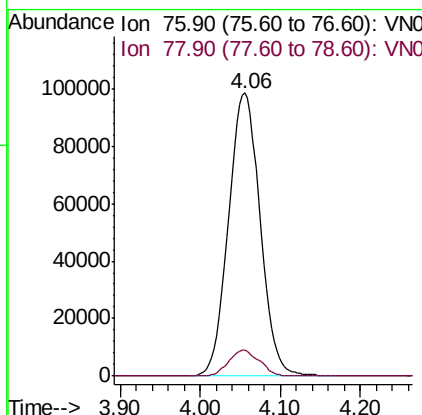
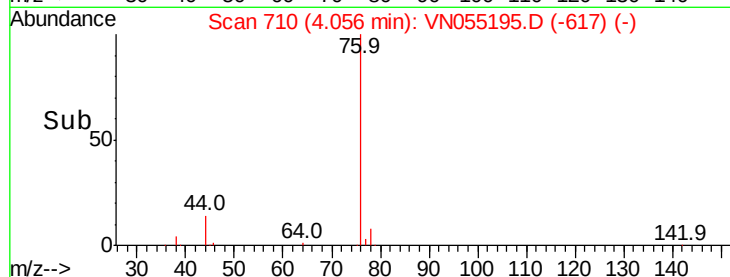
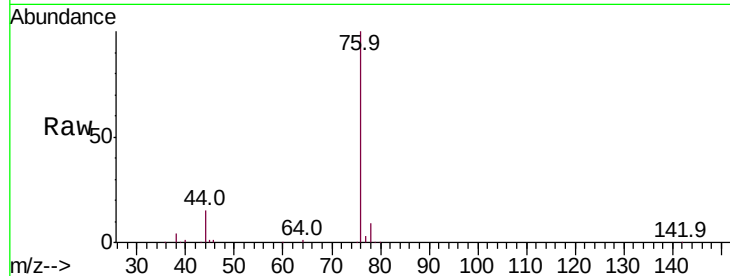
#17
Carbon Disulfide
Concen: 20.613 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

Tot Ion: 76 Resp: 265023
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

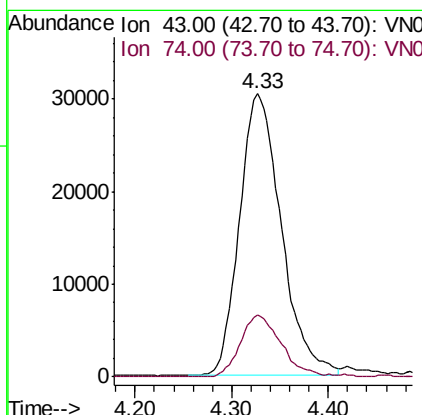
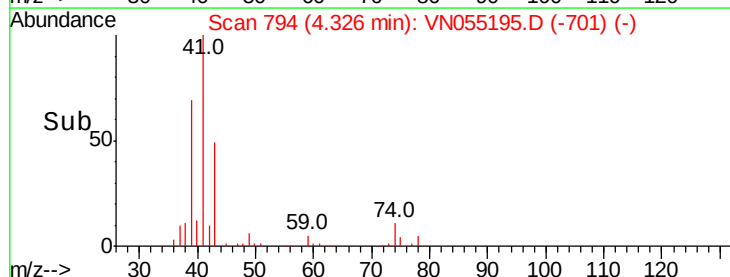
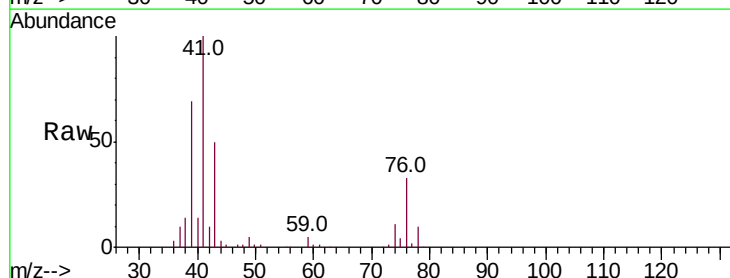
Manual Integrations
APPROVED

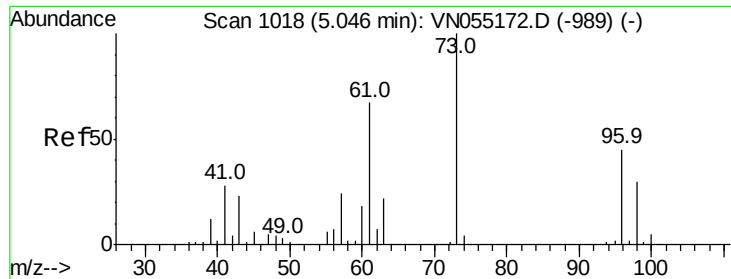
MMDadoda
4/24/2019 12:45:01 PM



#18
Methyl Acetate
Concen: 20.558 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Tgt Ion: 43 Resp: 91209
Ion Ratio Lower Upper
43 100
74 21.3 16.7 25.1





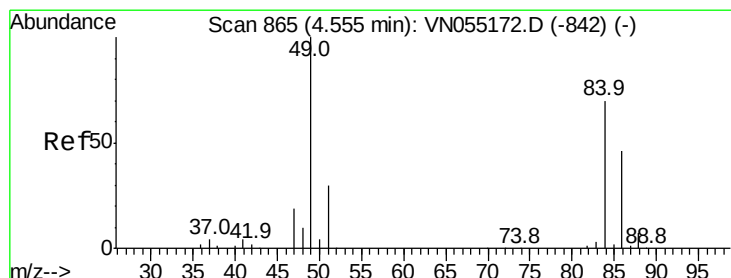
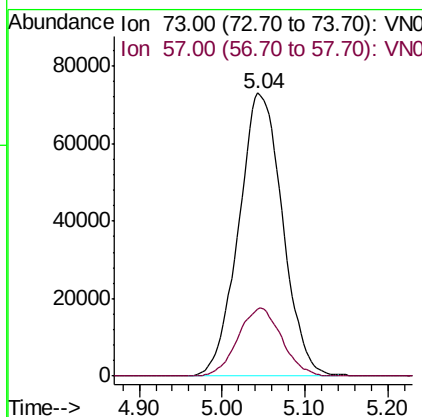
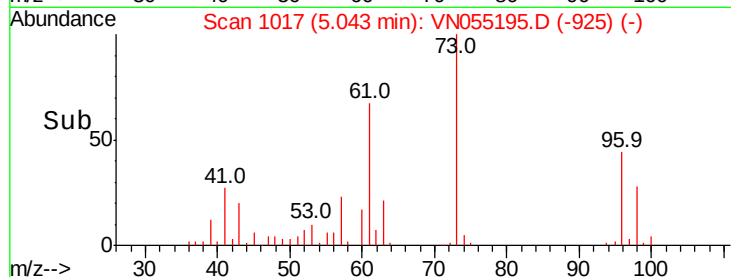
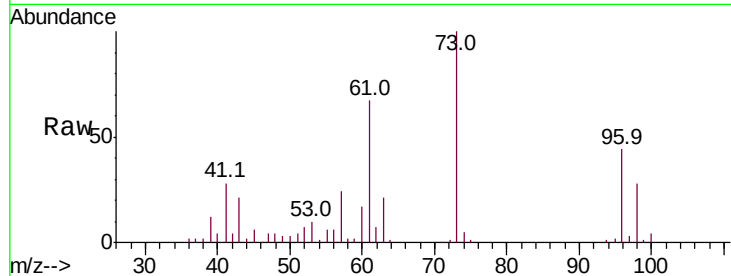
#19
Methyl tert-butyl Ether
Concen: 21.104 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

Tot Ion: 73 Resp: 268340
Ion Ratio Lower Upper
73 100
57 23.6 19.5 29.3

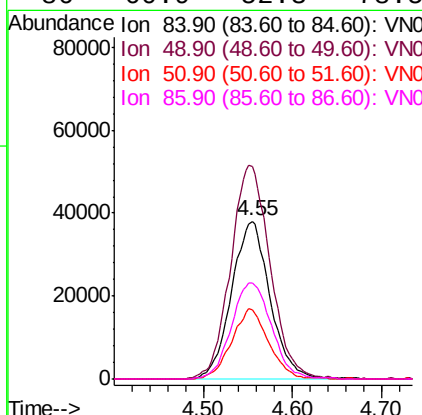
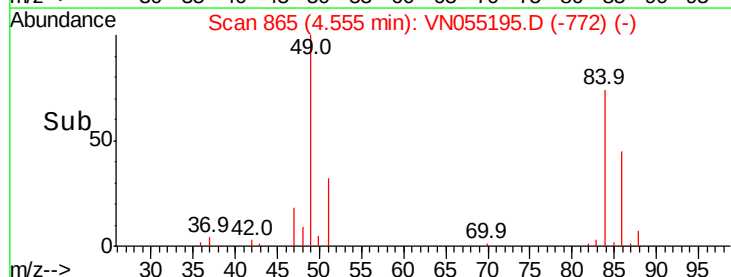
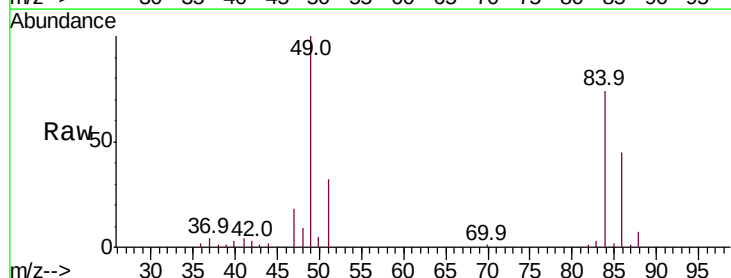
Manual Integrations
APPROVED

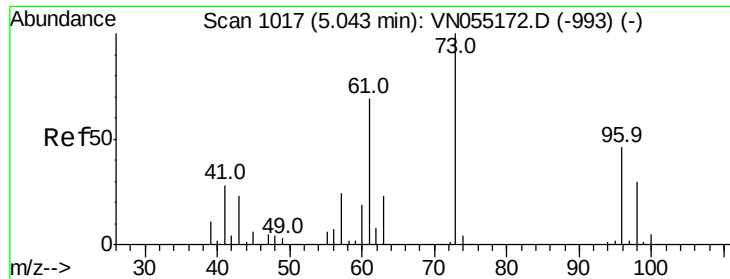
MMDadoda
4/24/2019 12:45:01 PM



#20
Methylene Chloride
Concen: 19.835 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Tgt Ion: 84 Resp: 114053
Ion Ratio Lower Upper
84 100
49 134.5 113.8 170.6
51 43.7 34.0 51.0
86 60.9 52.3 78.5





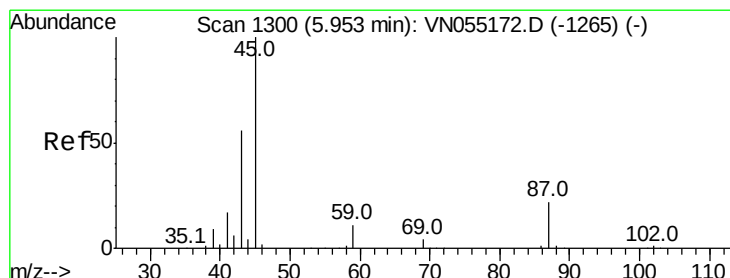
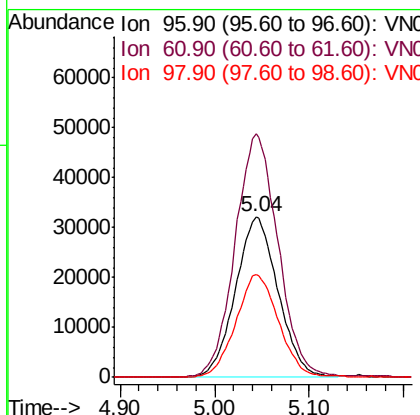
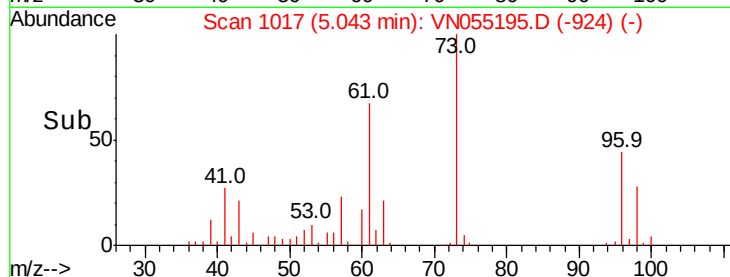
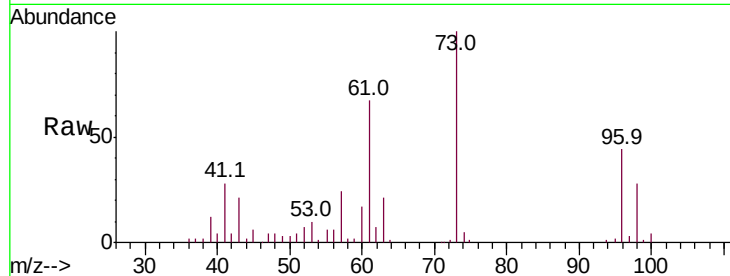
#21
trans-1,2-Dichloroethene
Concen: 20.836 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.0	119.3	178.9
98	64.0	53.0	79.4

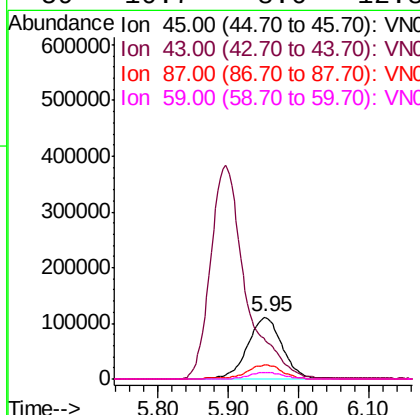
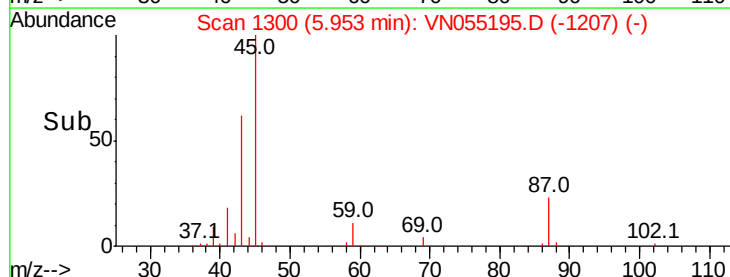
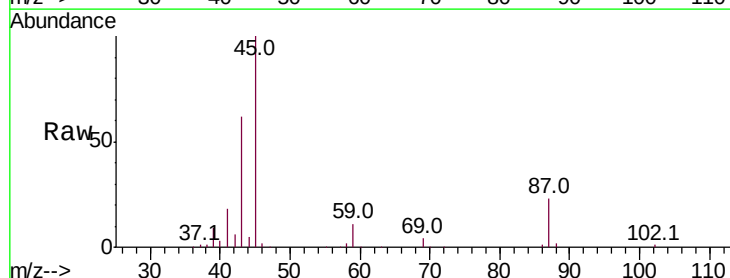
Manual Integrations
APPROVED

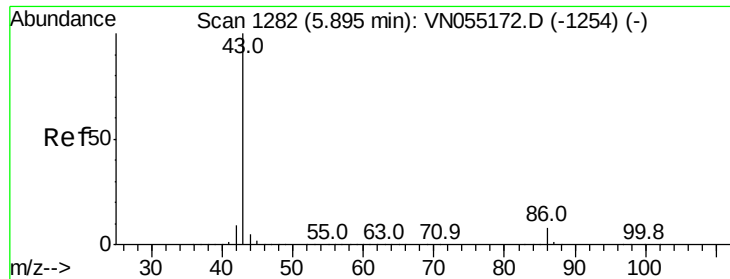
MMDadoda
4/24/2019 12:45:01 PM



#22
Diisopropyl ether
Concen: 20.969 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.4	47.4	71.0
87	22.9	18.4	27.6
59	10.7	8.6	12.8





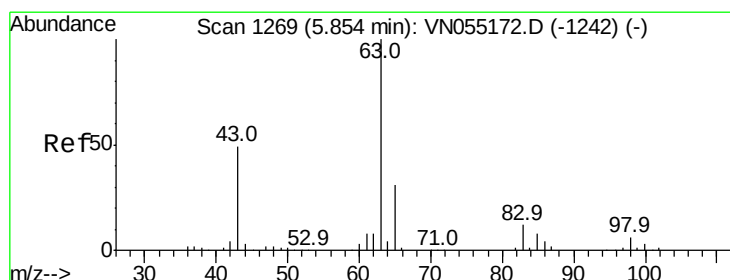
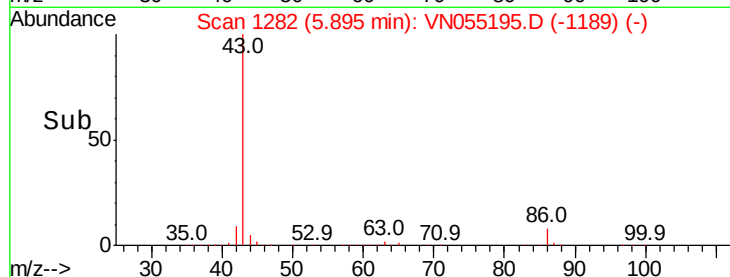
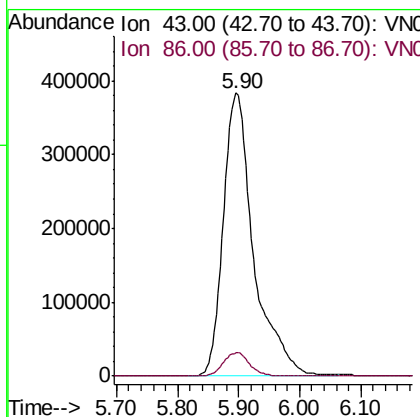
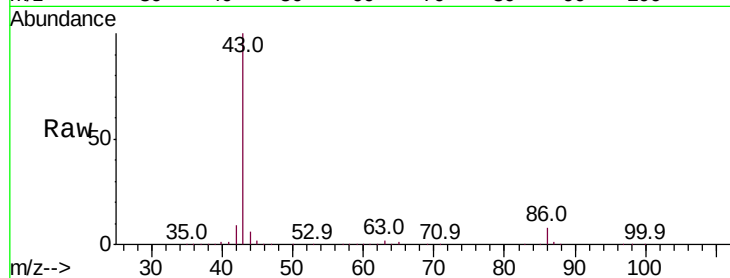
#23
 Vinyl Acetate
 Concen: 109.144 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBS01

Tot Ion: 43 Resp: 1329171
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.8 10.2

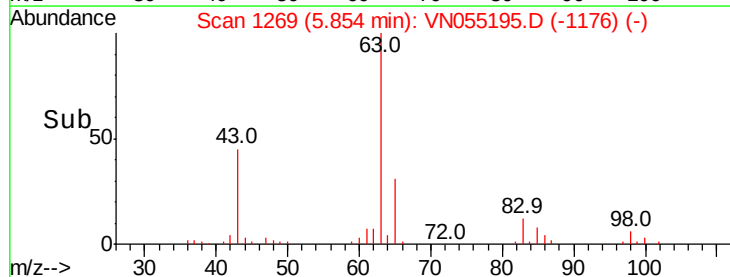
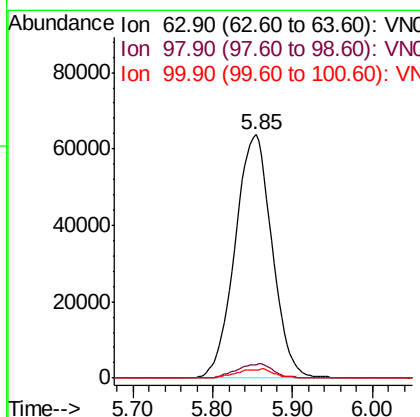
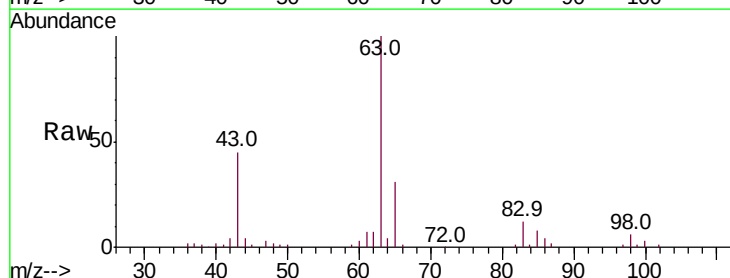
Manual Integrations
 APPROVED

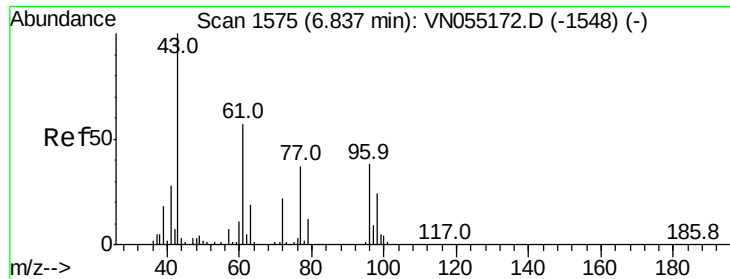
MMDadoda
 4/24/2019 12:45:01 PM



#24
 1,1-Dichloroethane
 Concen: 20.469 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Tgt Ion: 63 Resp: 199522
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.1 9.3
 100 3.1 1.8 5.3





#25

2-Butanone

Concen: 101.545 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

ClientSampled :

VN0423WBS01

Tot Ion: 43 Resp: 262214

Ion Ratio Lower Upper

43 100

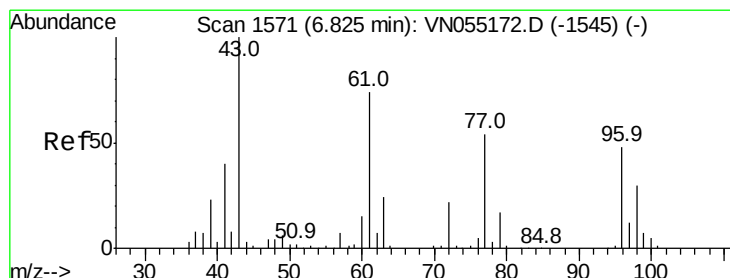
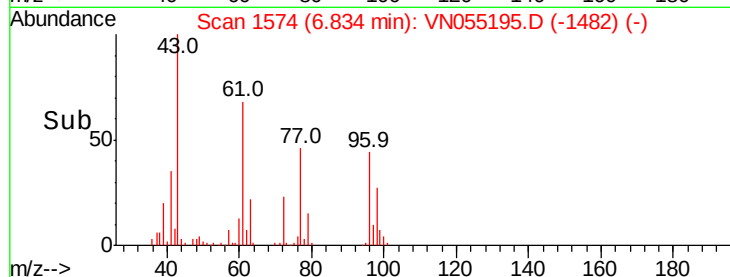
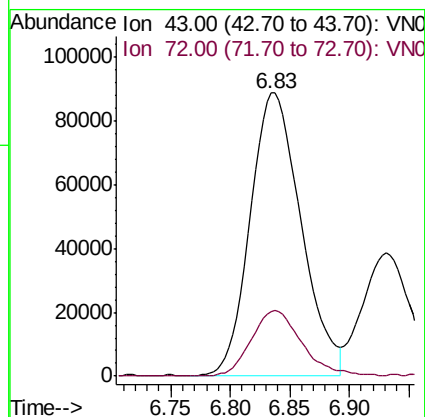
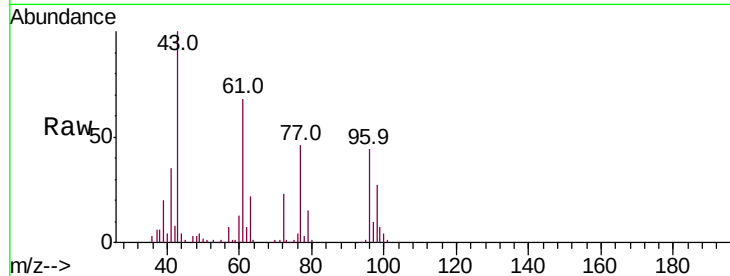
72 22.7 17.8 26.8

Manual Integrations

APPROVED

MMDadoda

4/24/2019 12:45:01 PM



#26

2,2-Dichloropropane

Concen: 21.036 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055195.D

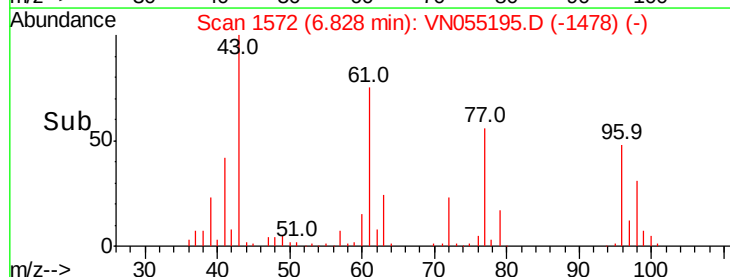
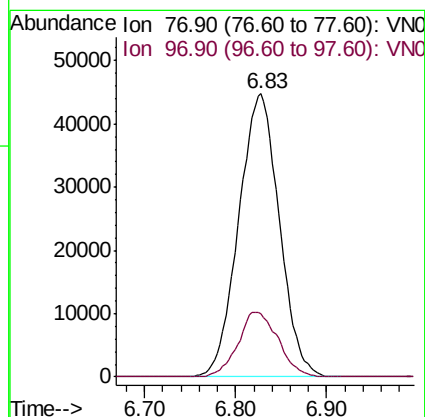
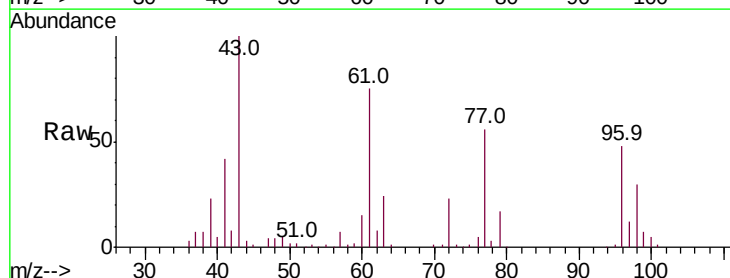
Acq: 23 Apr 2019 10:33

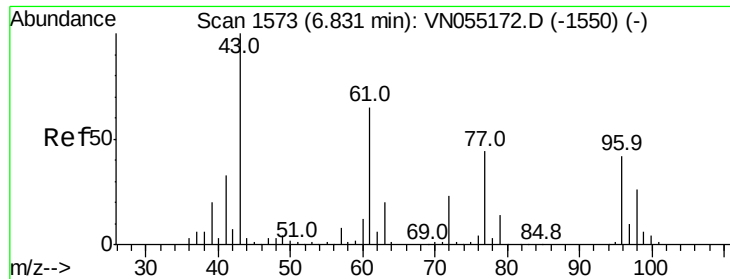
Tgt Ion: 77 Resp: 138761

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.8





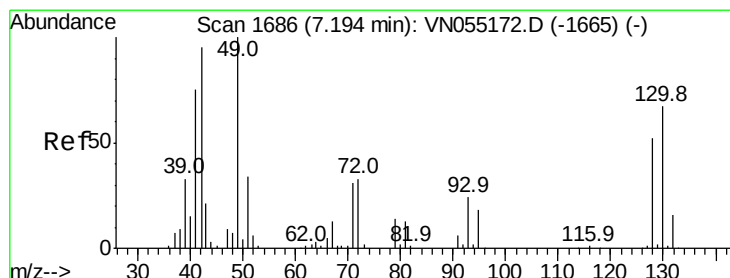
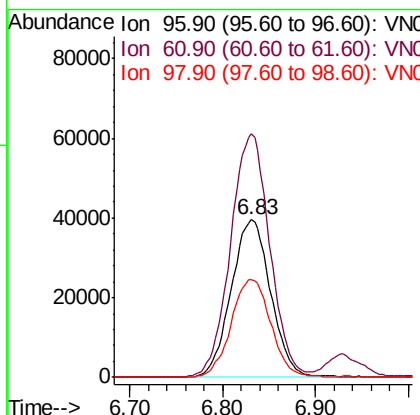
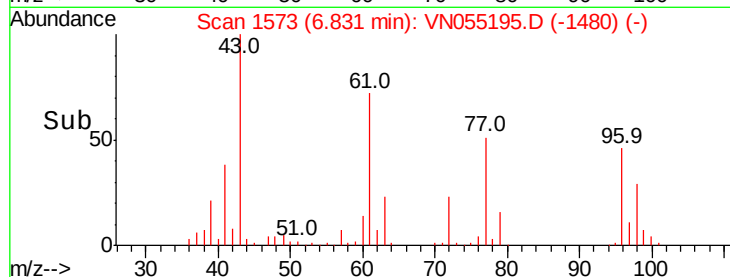
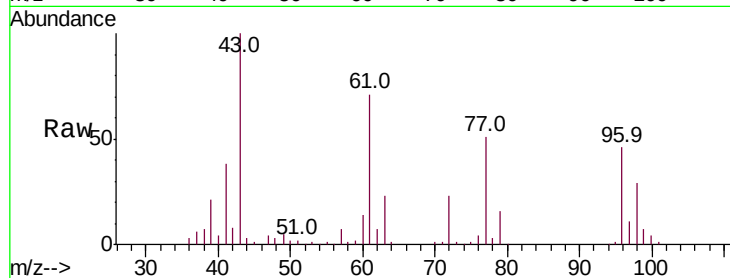
#27
 cis-1,2-Dichloroethene
 Concen: 21.087 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.2	0.0	310.8
98	62.1	0.0	127.4

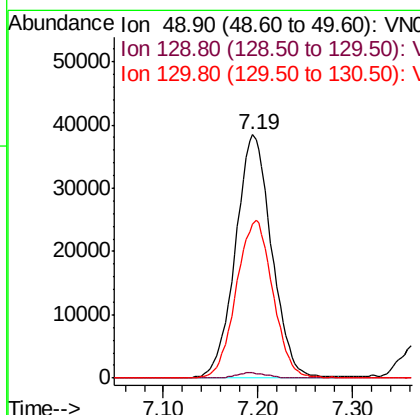
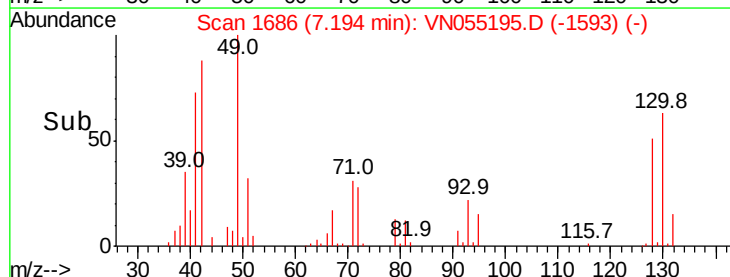
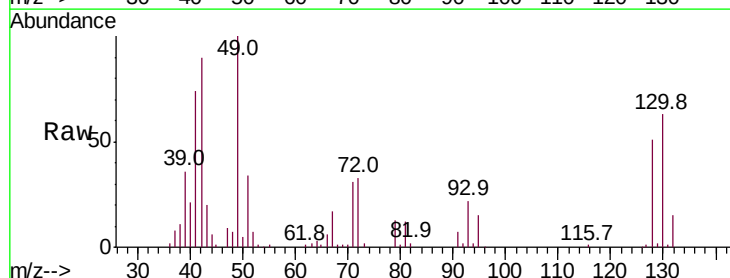
Manual Integrations
 APPROVED

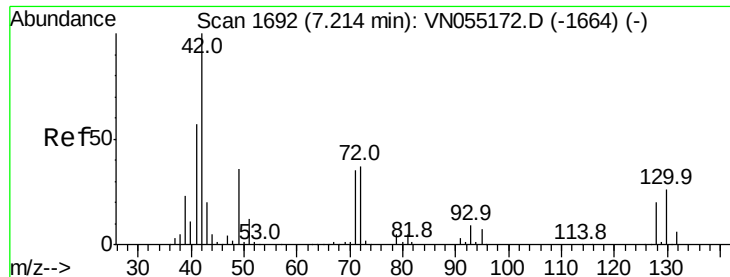
MMDadoda
 4/24/2019 12:45:01 PM



#28
 Bromochloromethane
 Concen: 20.626 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	65.2	53.4	80.2





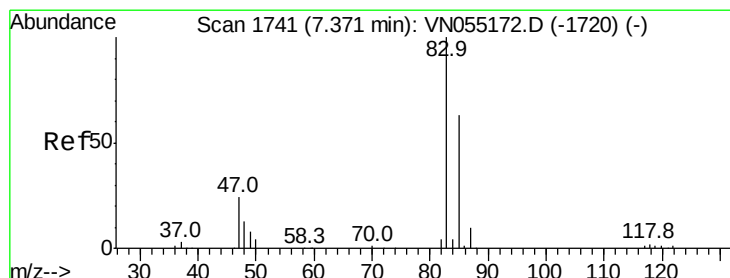
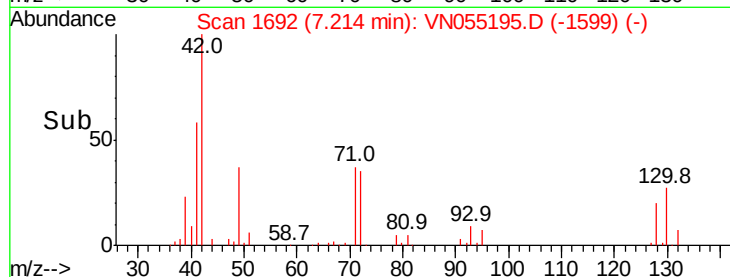
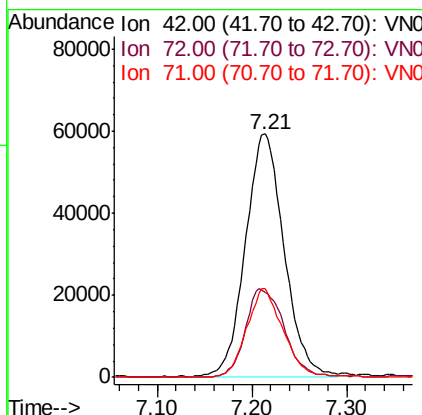
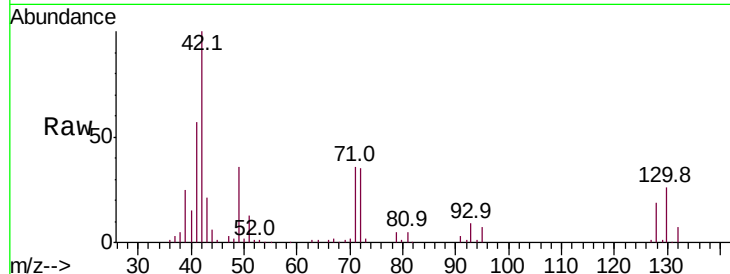
#29
Tetrahydrofuran
Concen: 105.253 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	29.4	44.2
71	34.7	27.8	41.8

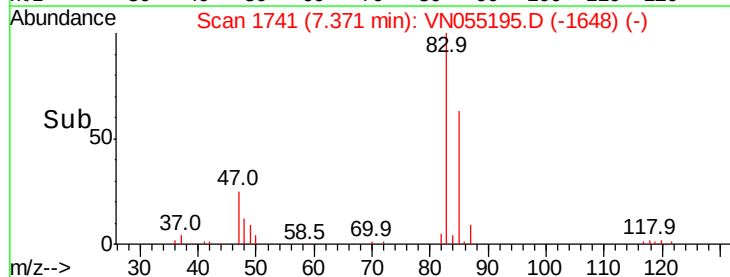
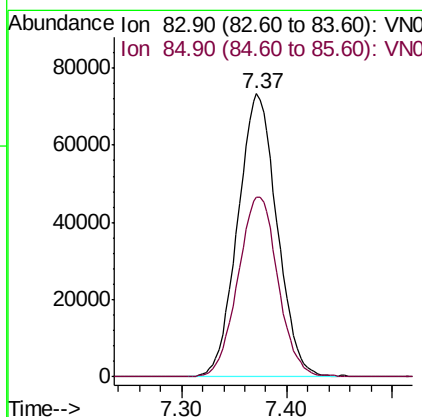
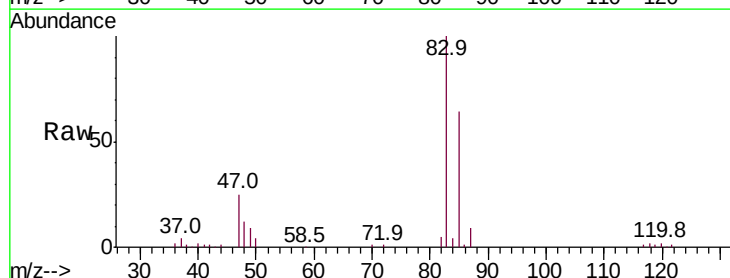
Manual Integrations
APPROVED

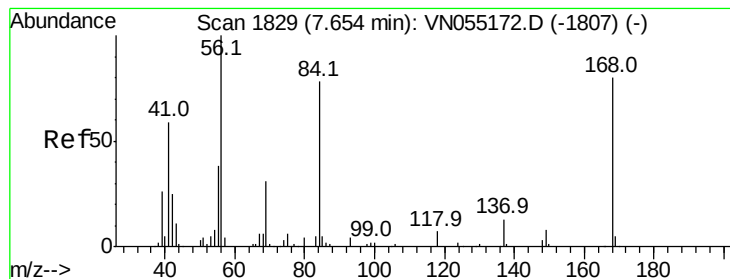
MMDadoda
4/24/2019 12:45:01 PM



#30
Chloroform
Concen: 20.462 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.6	76.0





#31

Cyclohexane

Concen: 20.732 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

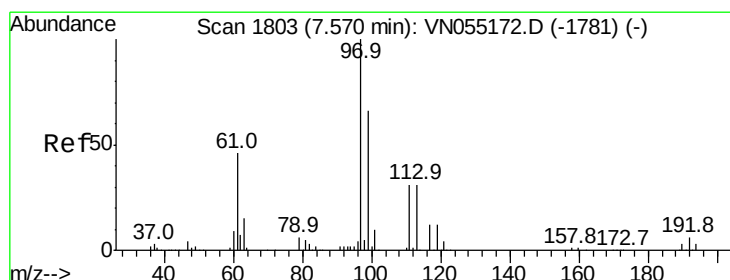
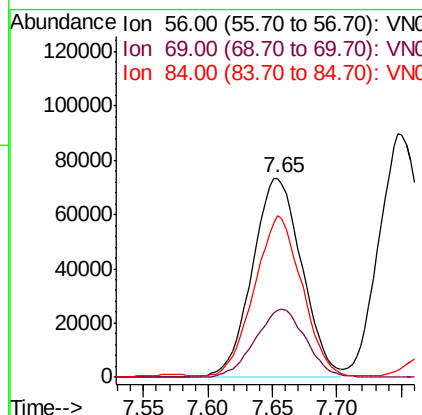
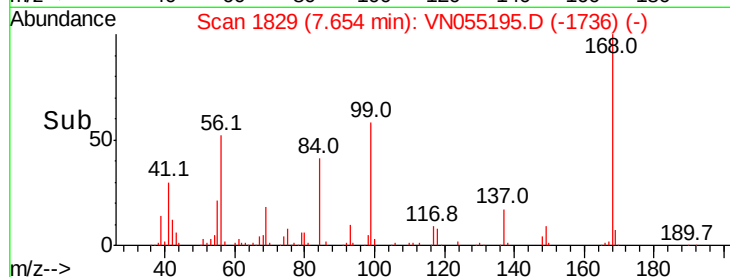
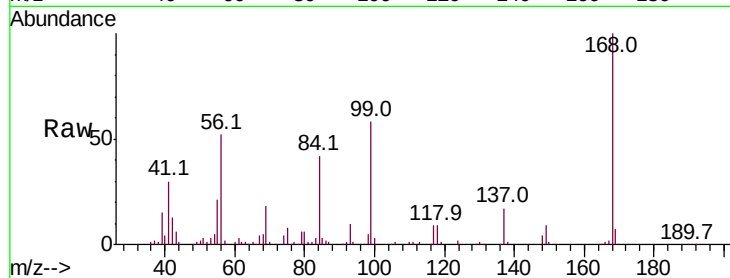
ClientSampled :

VN0423WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	24.6	37.0
84	80.1	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:45:01 PM



#32

1,1,1-Trichloroethane

Concen: 20.911 ug/l

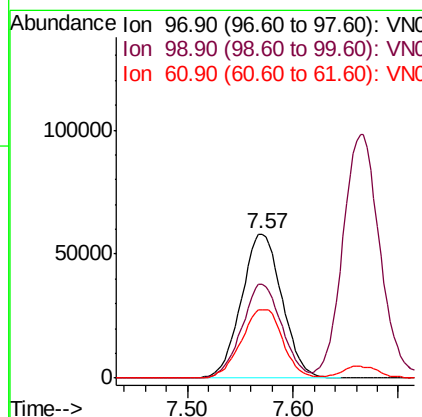
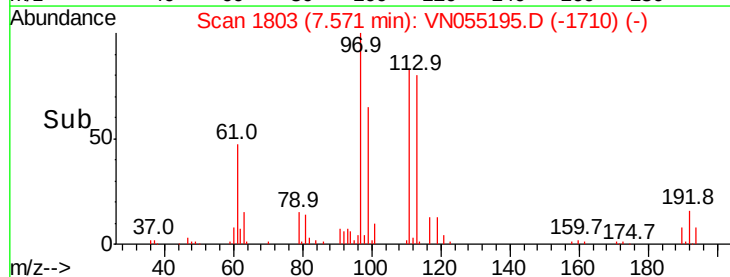
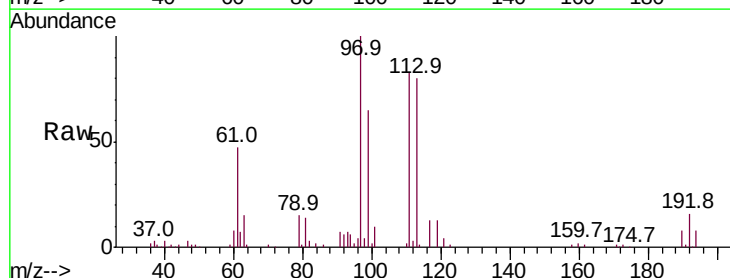
RT: 7.57 min Scan# 1803

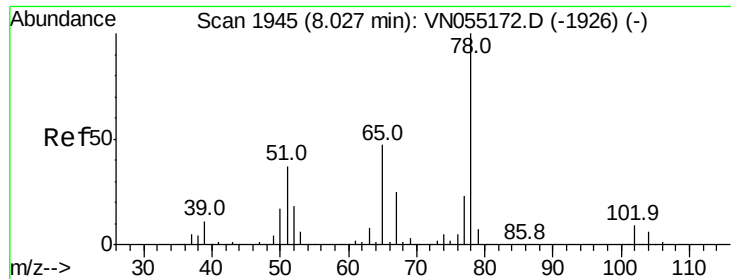
Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.1	76.7
61	48.4	38.3	57.5





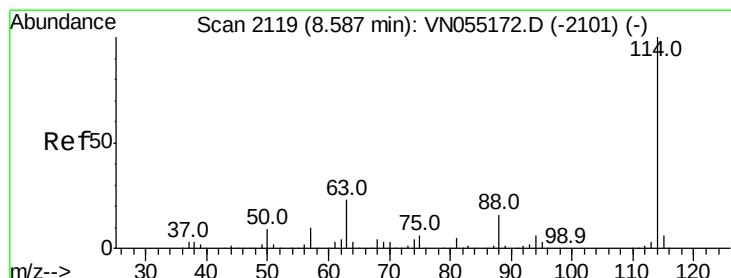
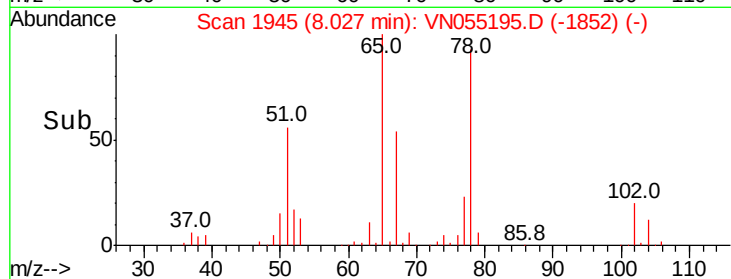
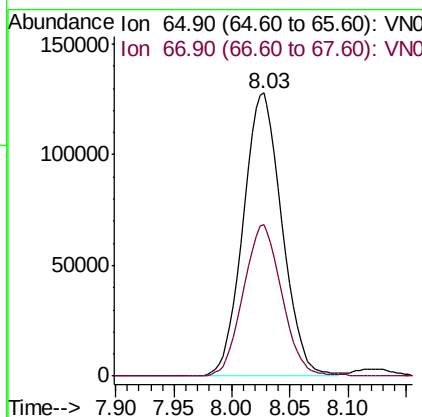
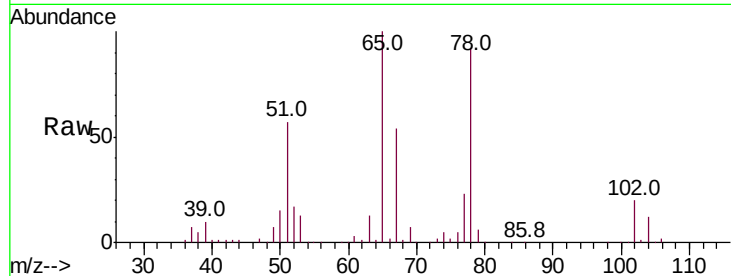
#33
 1,2-Dichloroethane-d4
 Concen: 49.195 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	297648		
67	53.4	0.0	108.6	

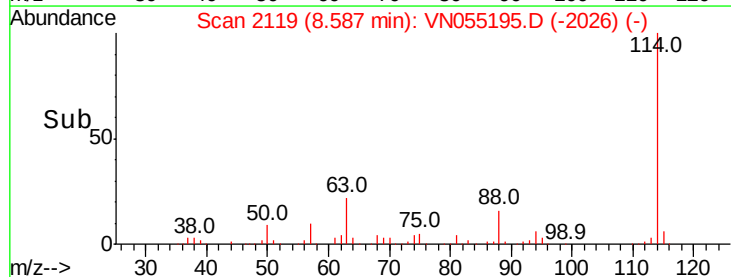
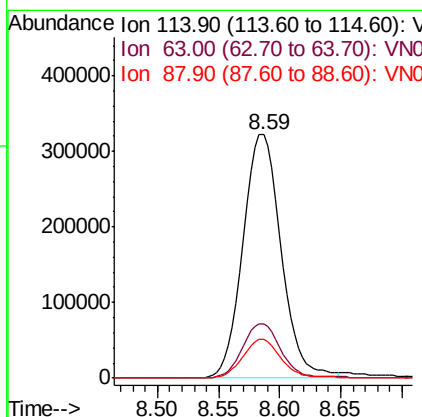
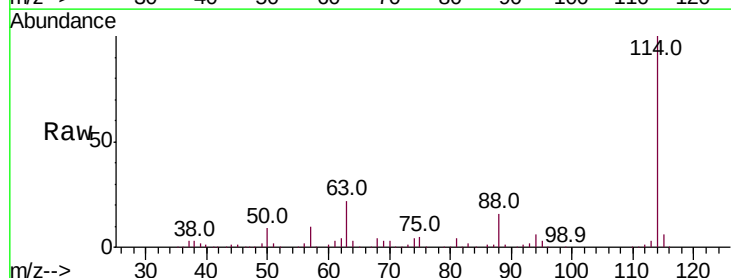
Manual Integrations
 APPROVED

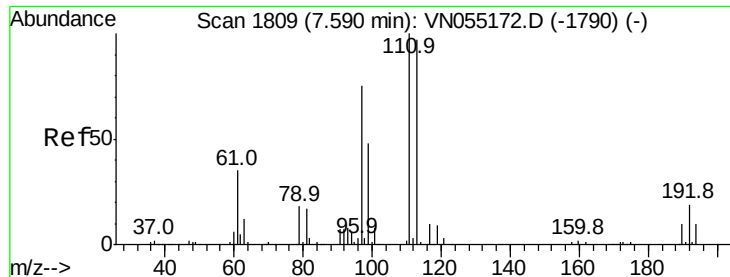
MMDadoda
 4/24/2019 12:45:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	699018		
63	22.3	0.0	45.2	
88	16.0	0.0	32.8	





#35

Dibromofluoromethane

Concen: 50.332 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

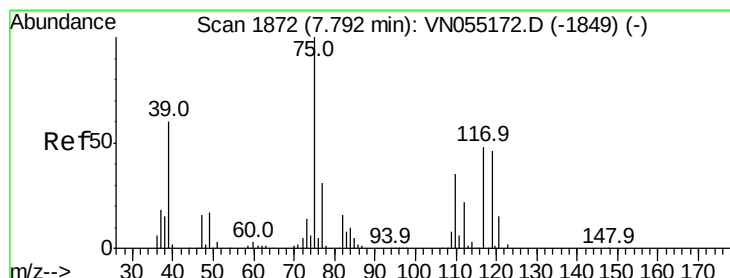
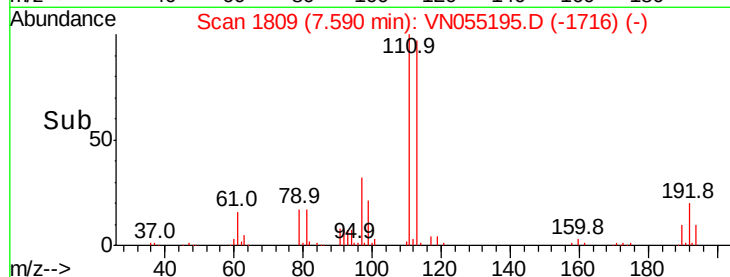
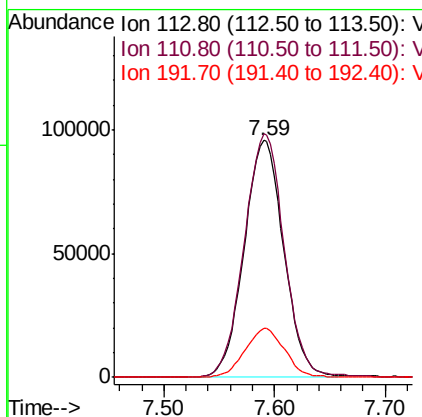
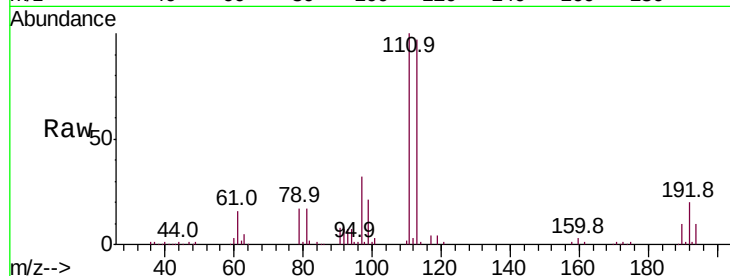
ClientSampleId :

VN0423WBS01

Tot Ion:	113	Resp:	239017
Ion Ratio	Lower	Upper	
113	100		
111	104.2	81.0	121.4
192	20.6	16.2	24.4

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:45:01 PM



#36

1,1-Dichloropropene

Concen: 21.976 ug/l

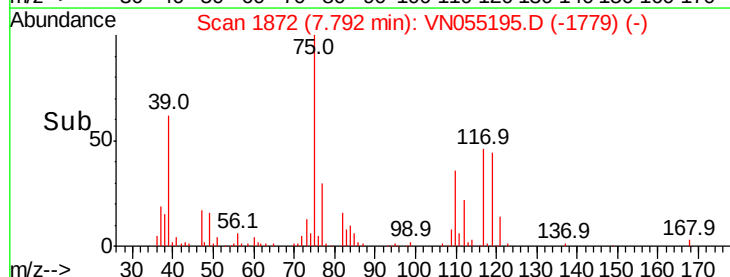
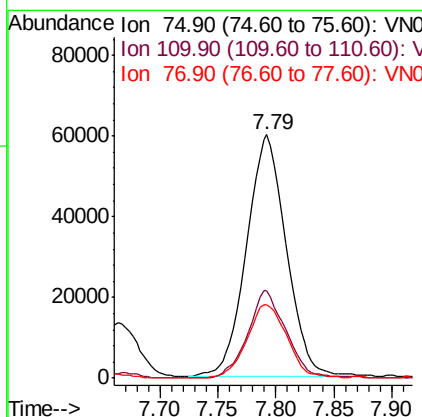
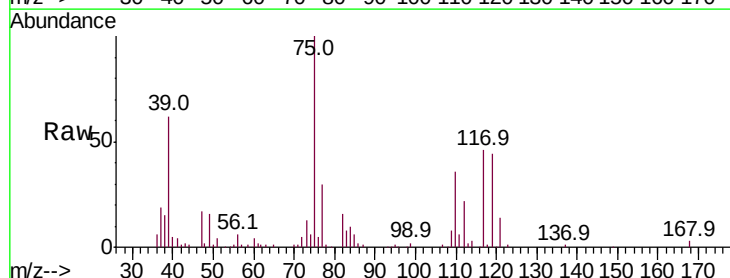
RT: 7.79 min Scan# 1872

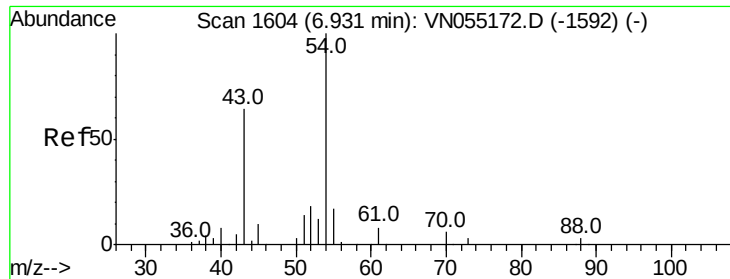
Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Tgt Ion:	75	Resp:	142578
Ion Ratio	Lower	Upper	
75	100		
110	34.8	17.1	51.2
77	30.9	24.6	36.8





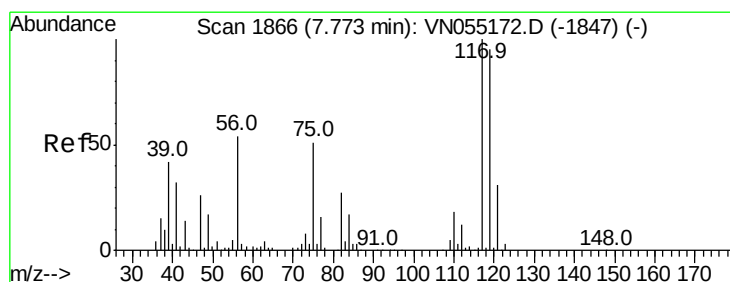
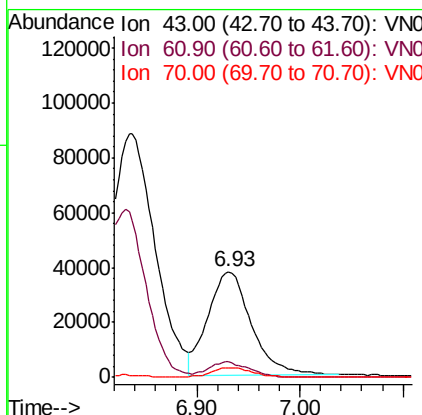
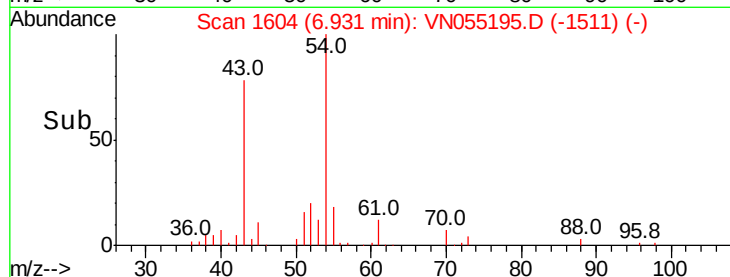
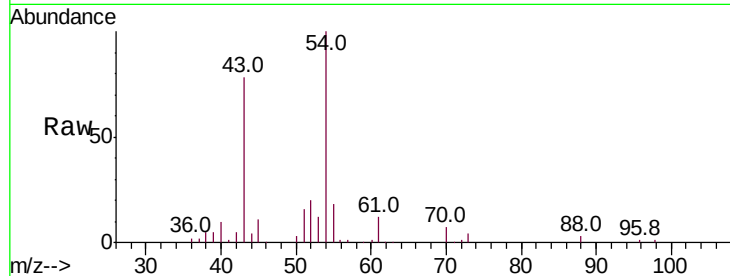
#37
Ethyl Acetate
Concen: 21.106 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.7	14.5
70	9.0	6.9	10.3

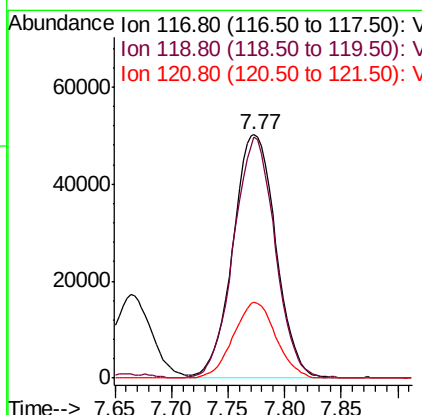
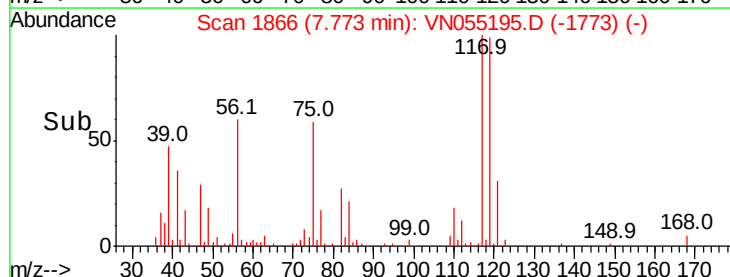
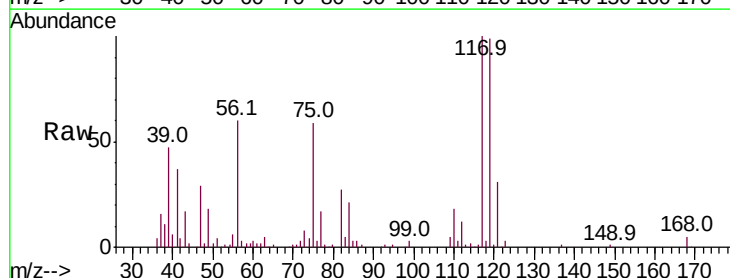
Manual Integrations
APPROVED

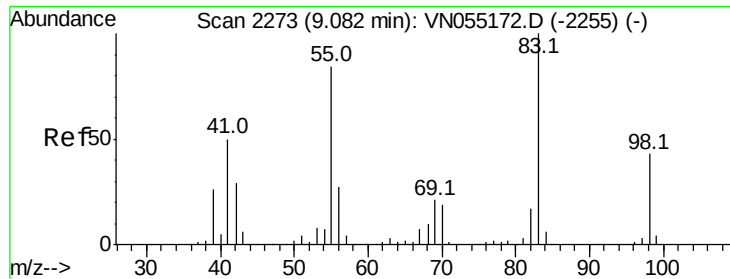
MMDadoda
4/24/2019 12:45:01 PM



#38
Carbon Tetrachloride
Concen: 21.637 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	76.0	114.0
121	31.3	24.6	36.8





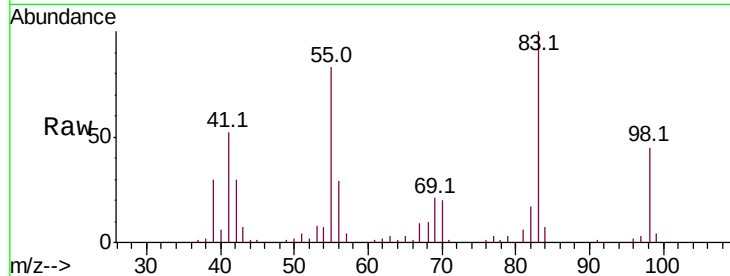
#39
Methvlcvclohexane
Concen: 20.948 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

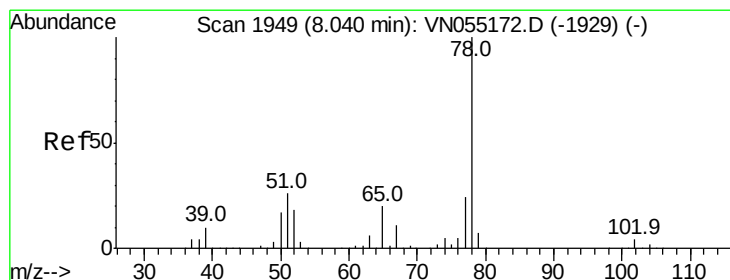
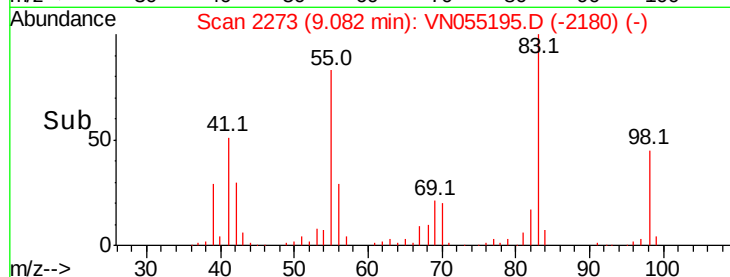
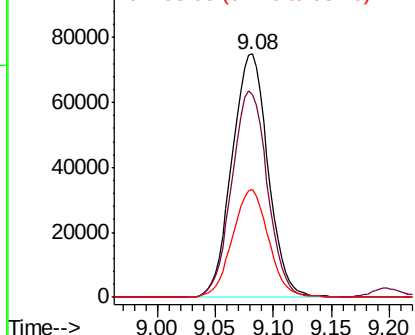
Tot Ion: 83 Resp: 162139
Ion Ratio Lower Upper
83 100
55 83.5 67.4 101.0
98 44.5 34.7 52.1

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:45:01 PM

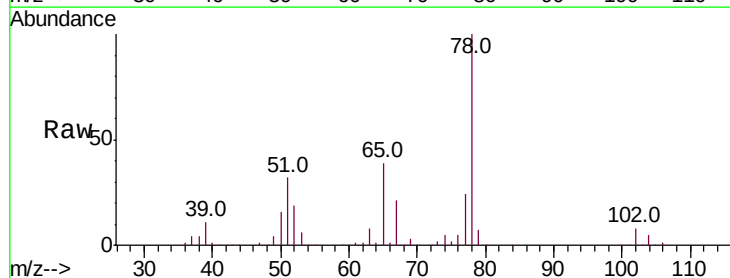


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

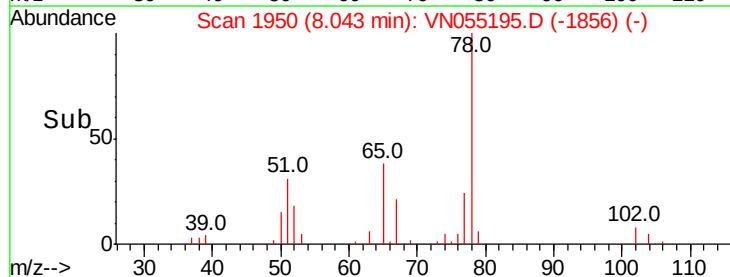
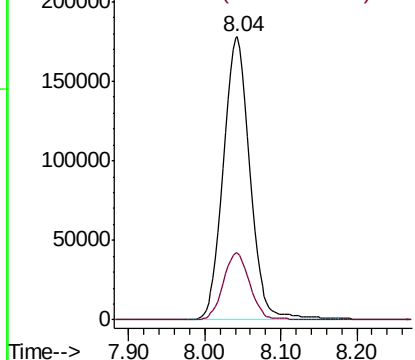


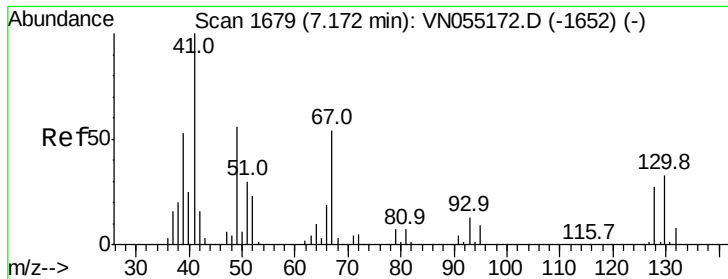
#40
Benzene
Concen: 21.811 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Tgt Ion: 78 Resp: 436828
Ion Ratio Lower Upper
78 100
77 23.8 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





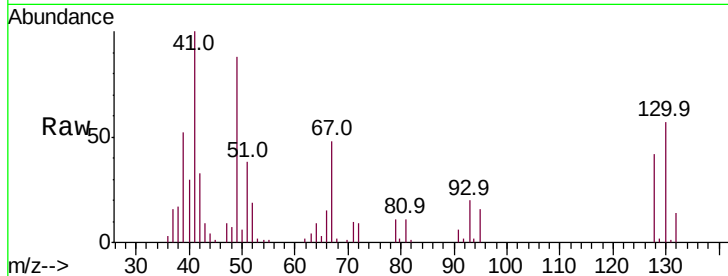
#41
Methacrylonitrile
Concen: 22.411 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

Tot Ion	41	Resp	61520
Ion Ratio	Lower	Upper	
41	100		
39	56.6	45.4	68.0
67	70.5	54.6	81.8
52	30.8	22.8	34.2

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:45:01 PM



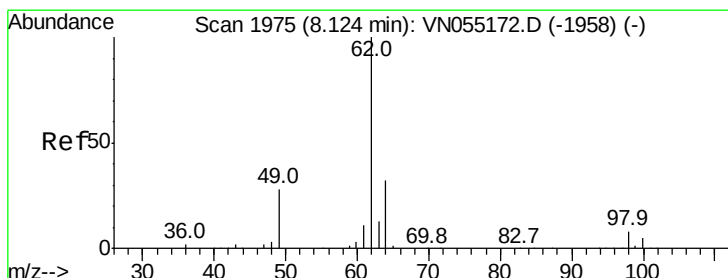
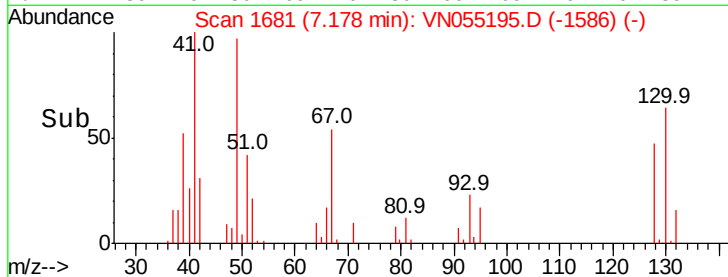
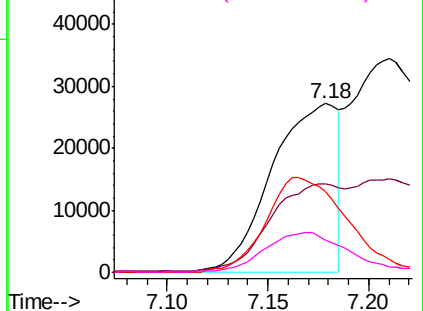
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

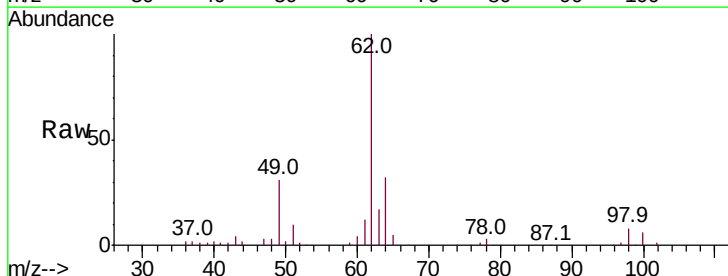
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 21.546 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

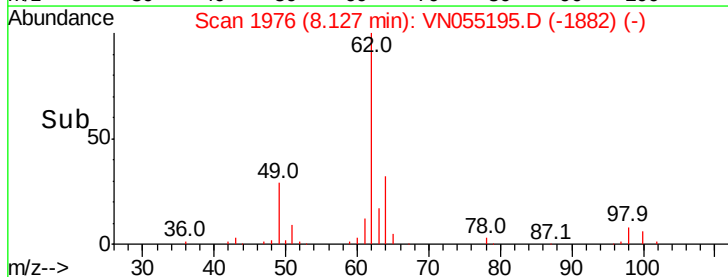
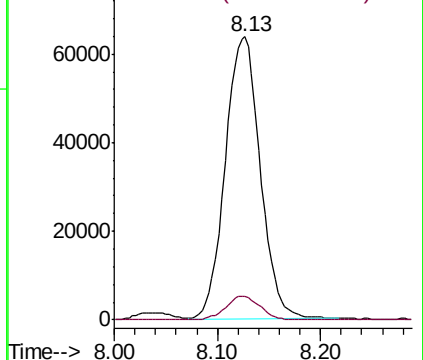
Tgt Ion	62	Resp	150543
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	17.0

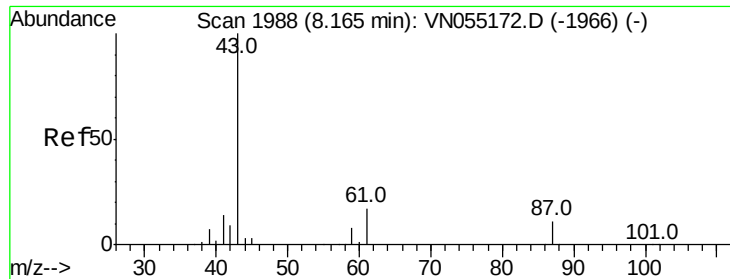


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 22.059 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

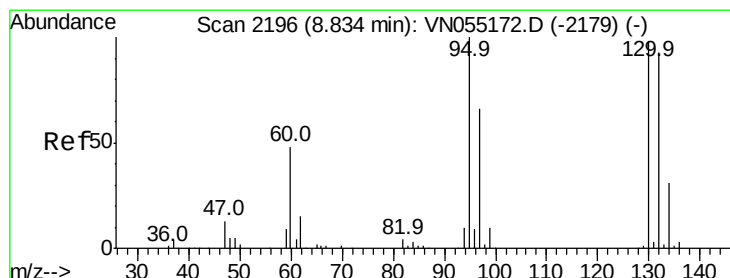
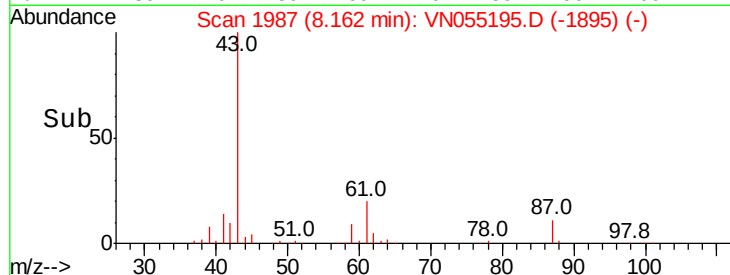
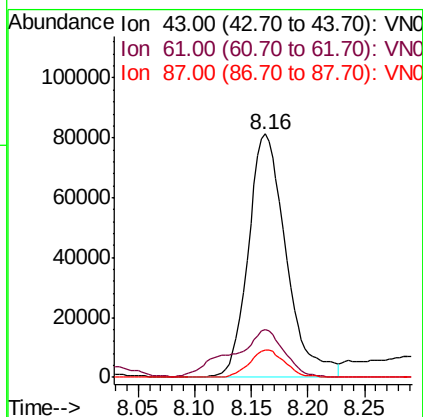
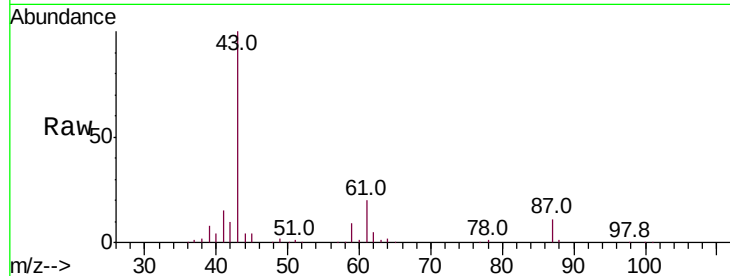
ClientSampleId :

VN0423WBS01

Tot Ion:	43	Resp:	187033
Ion	Ratio	Lower	Upper
43	100		
61	26.6	20.6	30.8
87	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:45:01 PM



#44

Trichloroethene

Concen: 21.200 ug/l

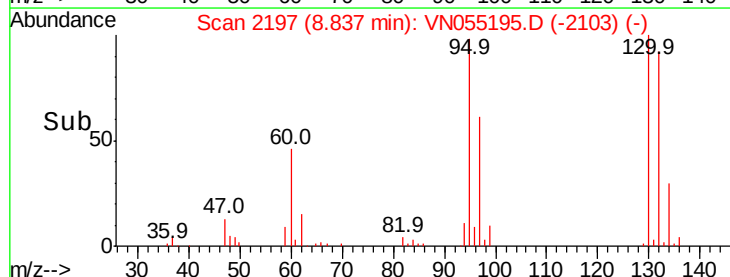
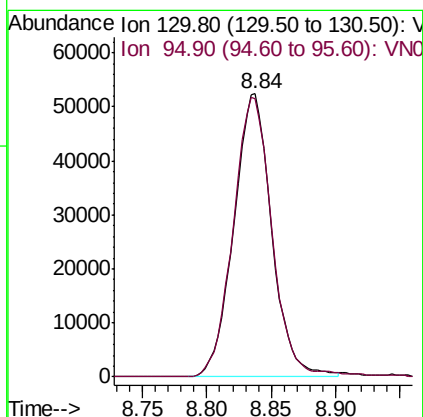
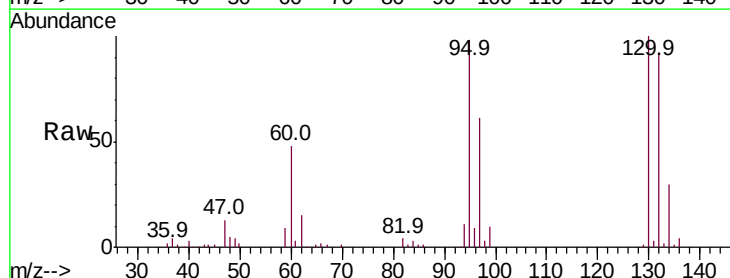
RT: 8.84 min Scan# 2197

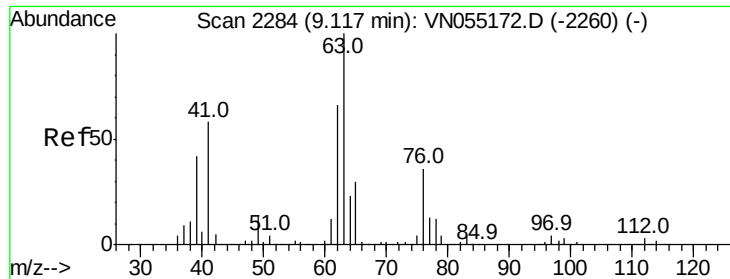
Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Tgt Ion:	130	Resp:	107318
Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	203.6





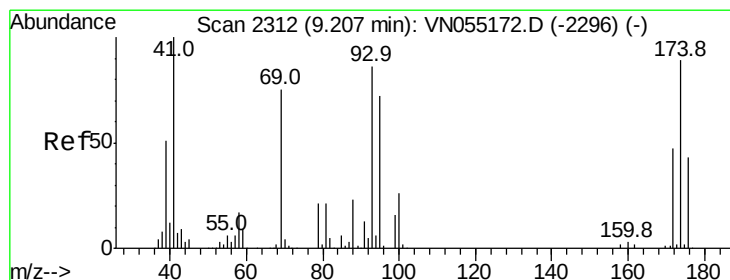
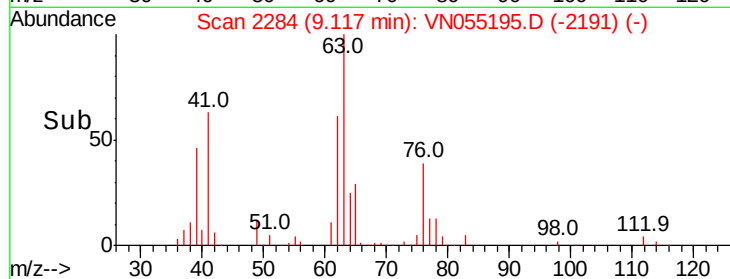
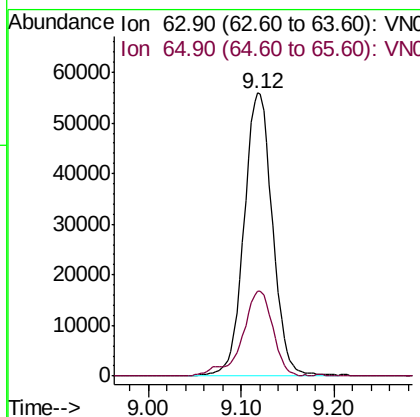
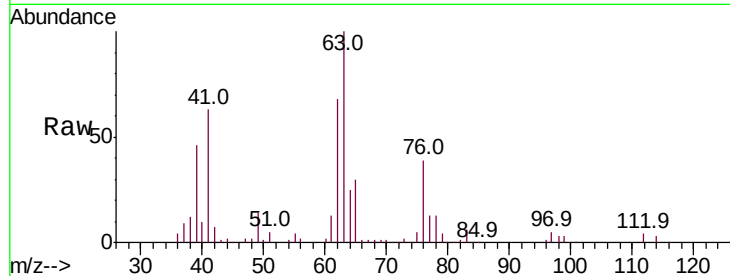
#45
 1,2-Dichloropropane
 Concen: 21.100 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	23.8	35.6

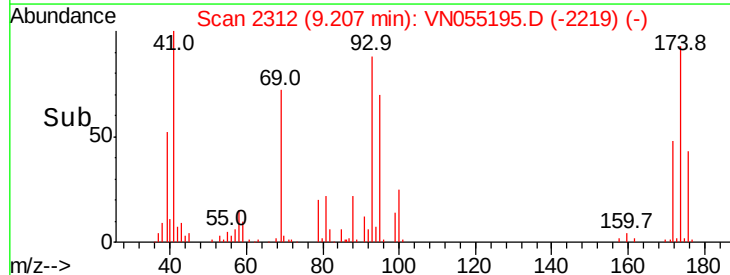
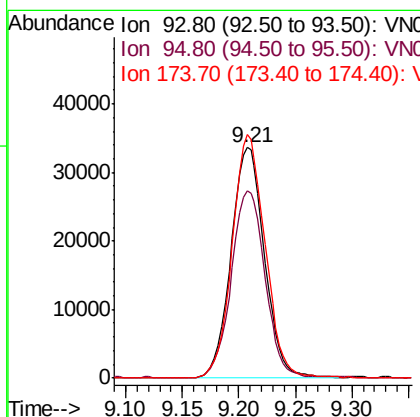
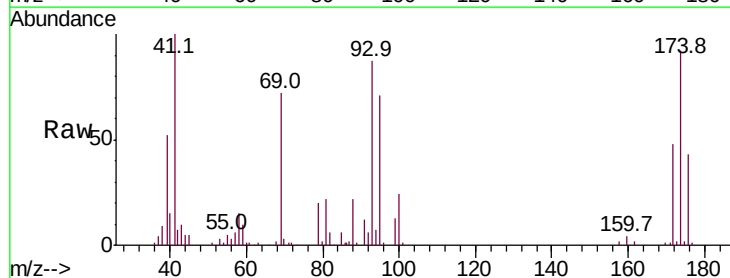
Manual Integrations
 APPROVED

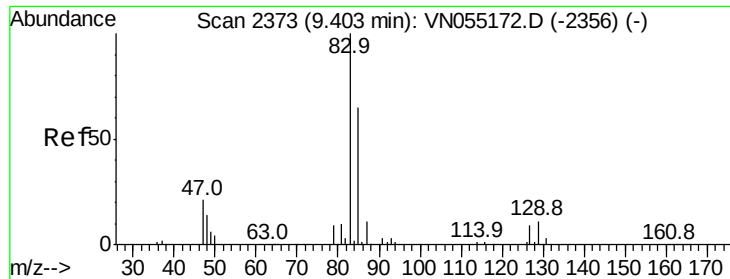
MMDadoda
 4/24/2019 12:45:01 PM



#46
 Dibromomethane
 Concen: 21.450 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.7	67.6	101.4
174	103.4	83.4	125.2





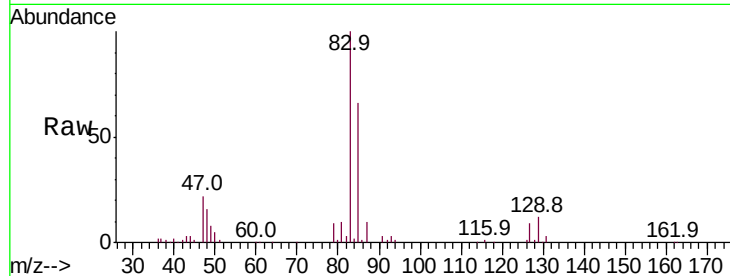
#47
Bromodichloromethane
Concen: 21.929 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

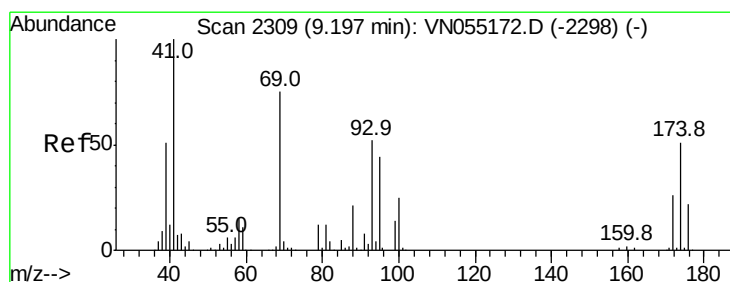
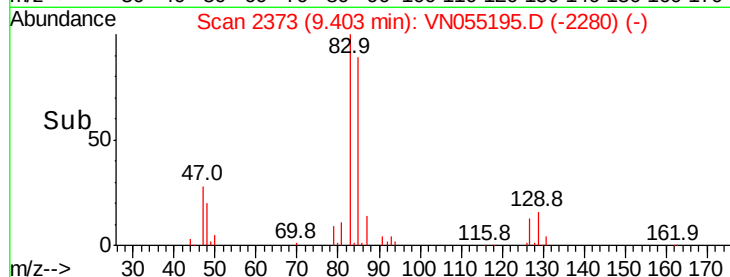
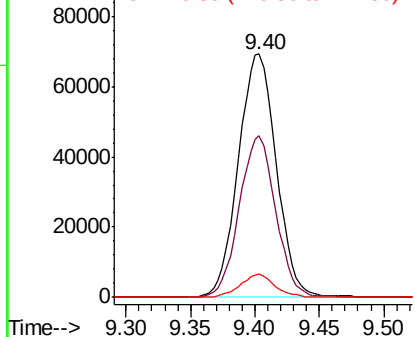
Tot Ion	83	Resp	142070
Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.1	78.1
127	9.4	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:45:01 PM



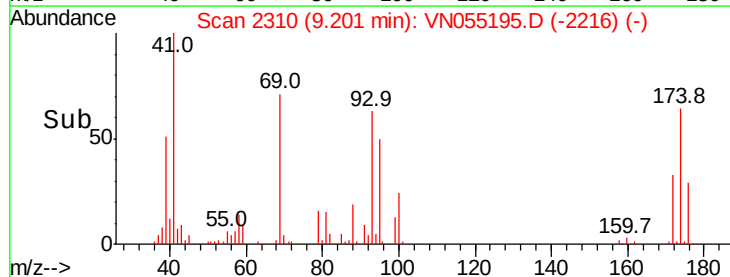
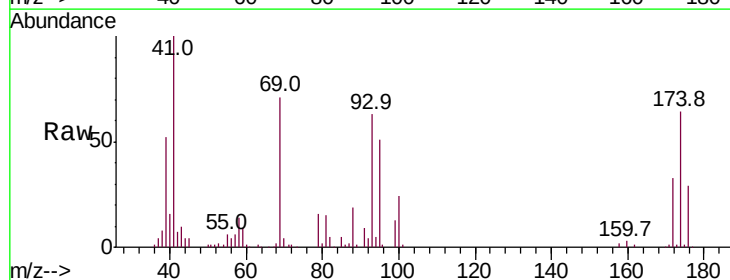
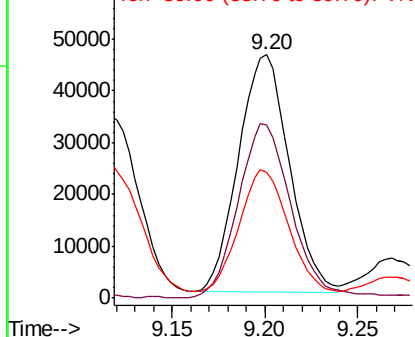
Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

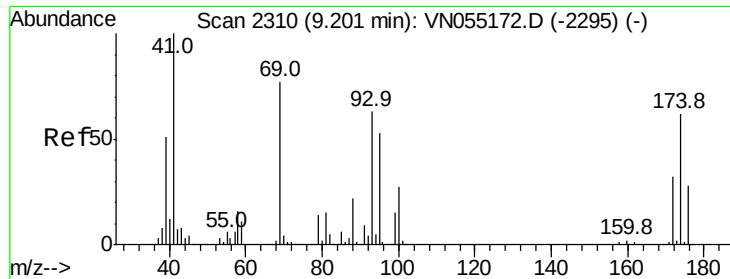


#48
Methyl methacrylate
Concen: 21.282 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Tgt Ion	41	Resp	87528
Ion	Ratio	Lower	Upper
41	100		
69	77.1	63.6	95.4
39	54.4	43.8	65.8

Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





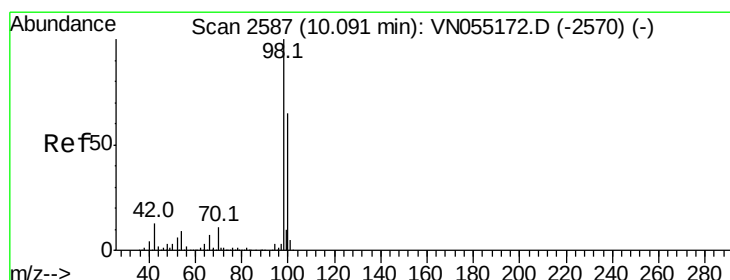
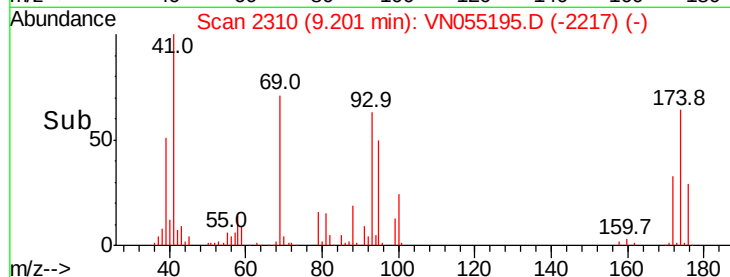
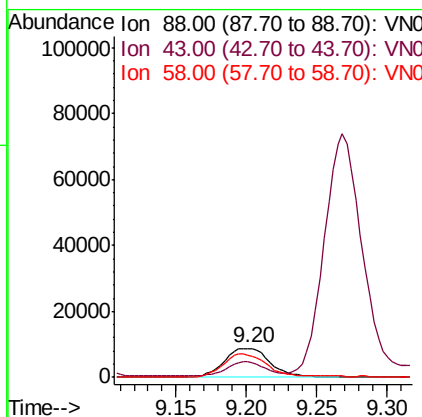
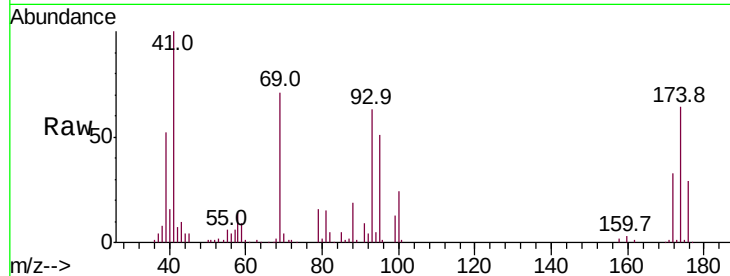
#49
1,4-Dioxane
Concen: 422.346 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_N
ClientSampled :
VN0423WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.8	32.0	48.0
58	77.1	60.4	90.6

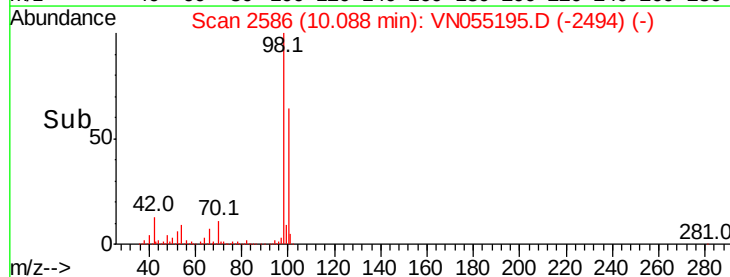
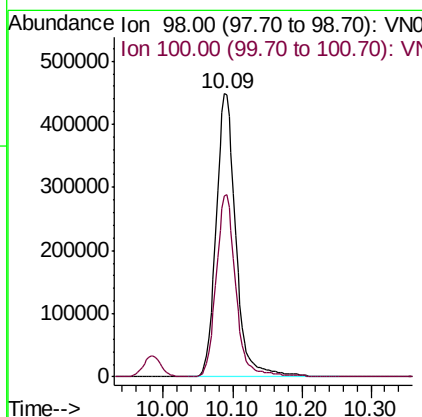
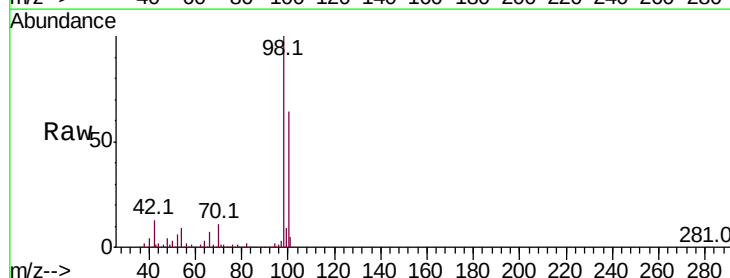
Manual Integrations
APPROVED

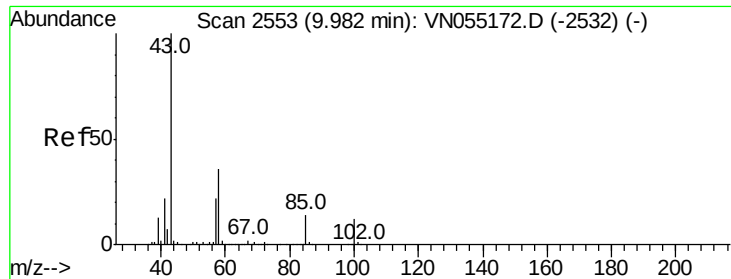
MMDadoda
4/24/2019 12:45:01 PM



#50
Toluene-d8
Concen: 50.251 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.6





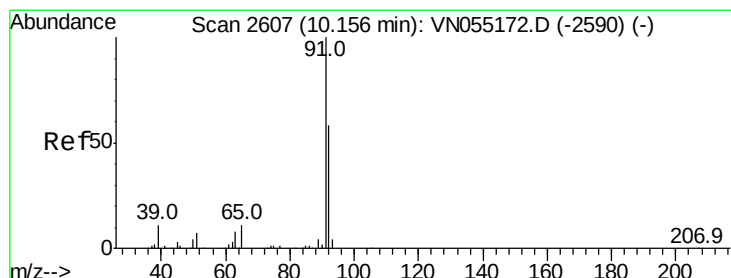
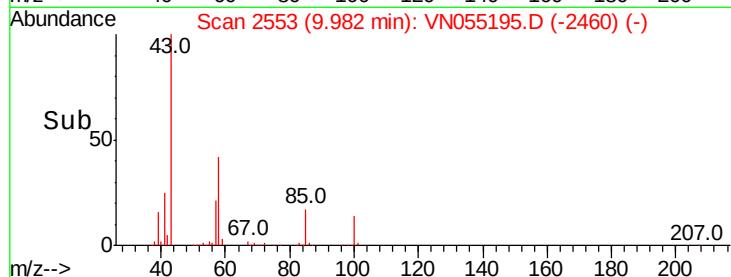
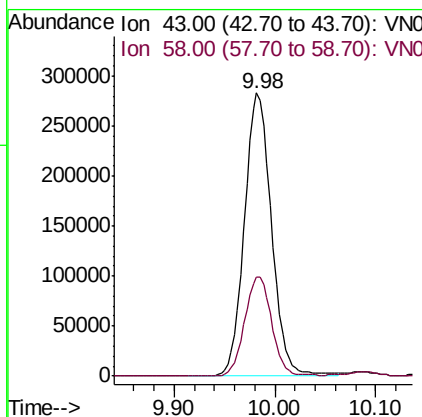
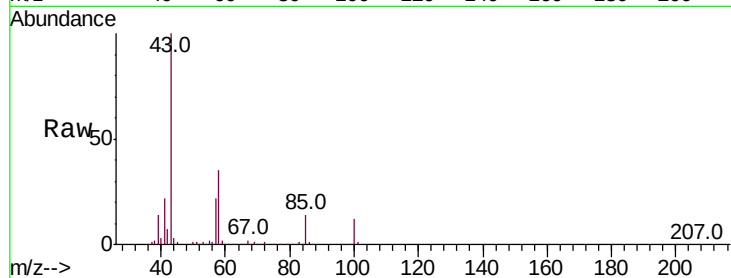
#51
 4-Methyl-2-Pentanone
 Concen: 107.287 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.3	42.5

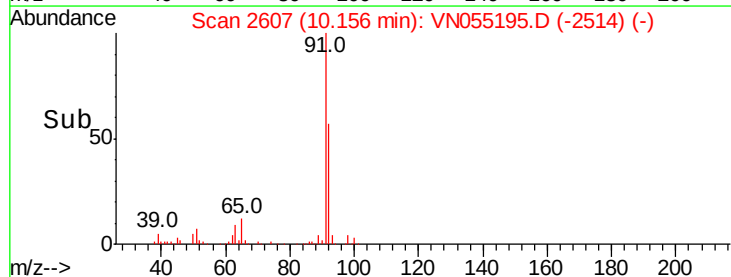
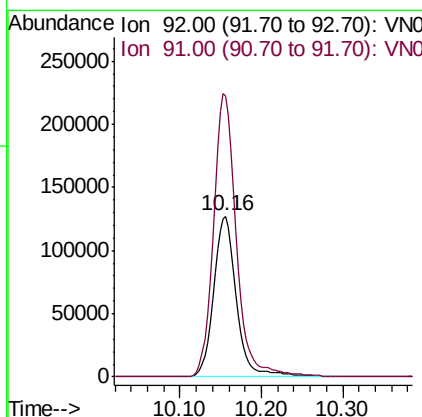
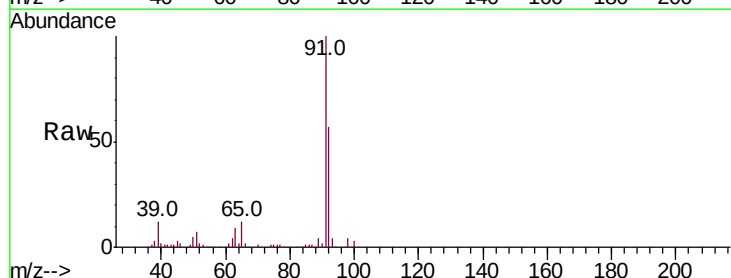
Manual Integrations
 APPROVED

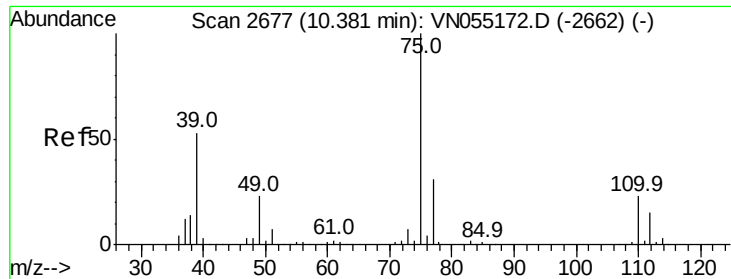
MMDadoda
 4/24/2019 12:45:01 PM



#52
 Toluene
 Concen: 21.401 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.6	138.7	208.1





#53

t-1,3-Dichloropropene

Concen: 21.850 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0423WBS01

Tot Ion: 75 Resp: 129914

Ion Ratio Lower Upper

75 100

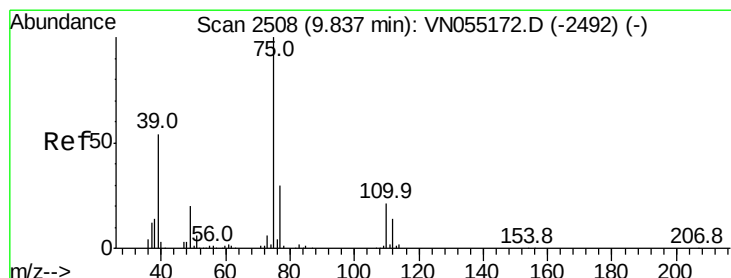
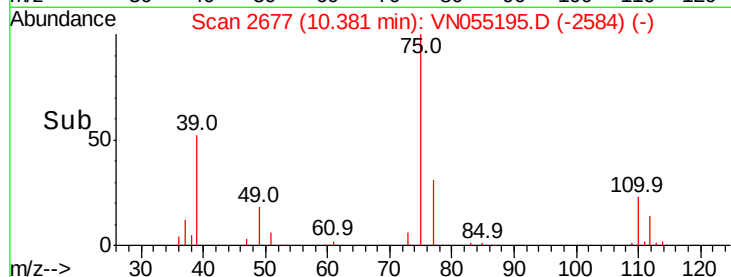
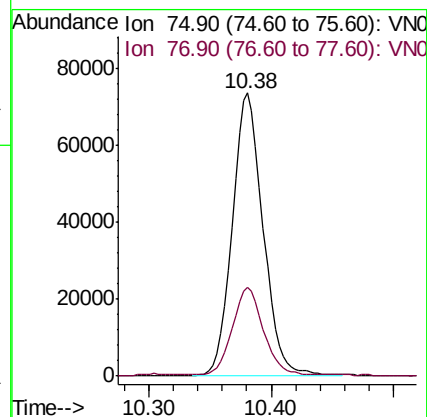
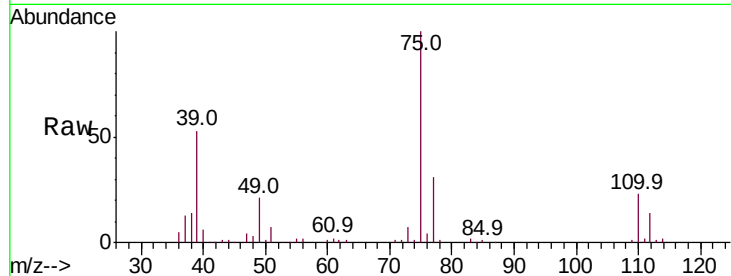
77 31.0 25.1 37.7

Manual Integrations

APPROVED

MMDadoda

4/24/2019 12:45:01 PM



#54

cis-1,3-Dichloropropene

Concen: 21.744 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

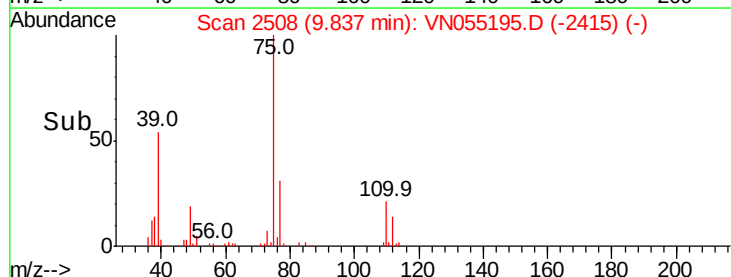
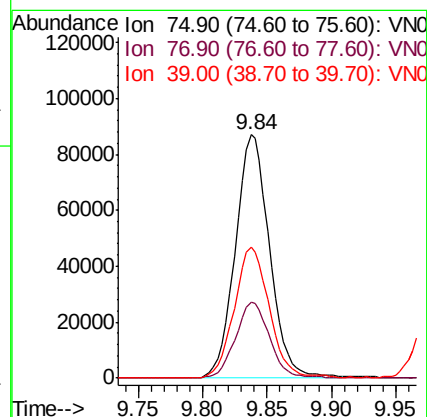
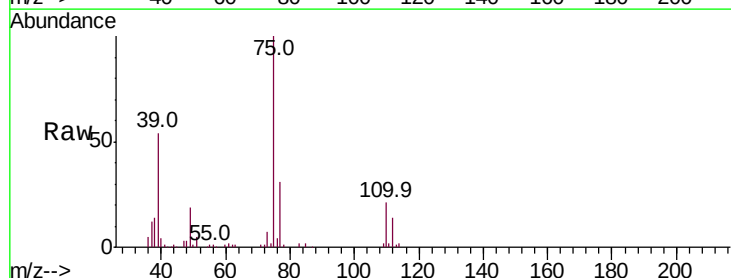
Tgt Ion: 75 Resp: 160433

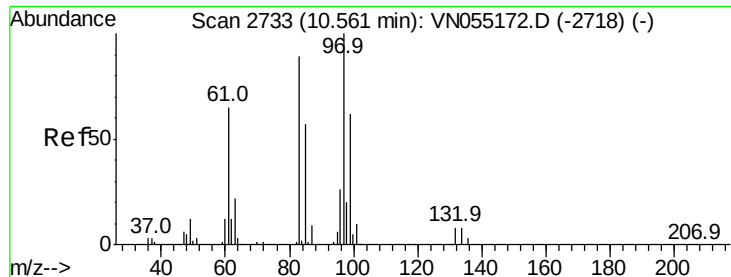
Ion Ratio Lower Upper

75 100

77 31.4 24.3 36.5

39 53.5 43.0 64.4





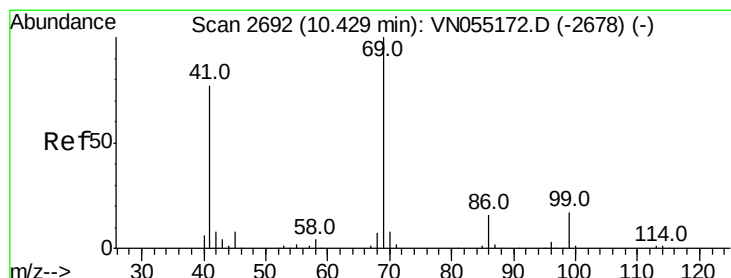
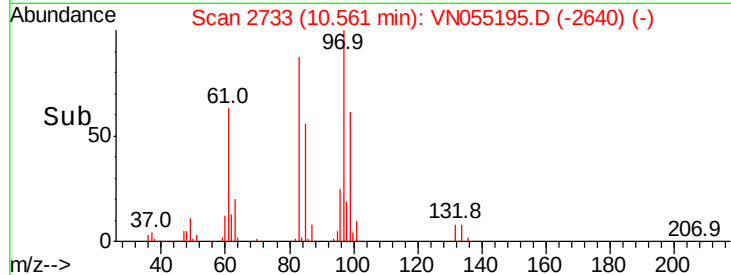
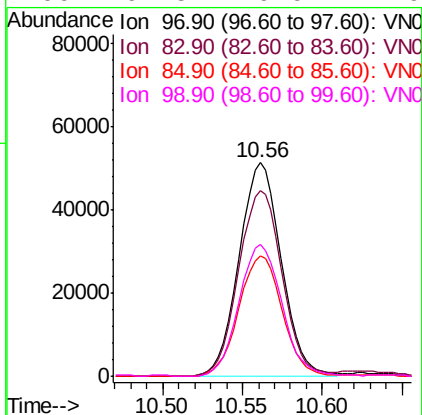
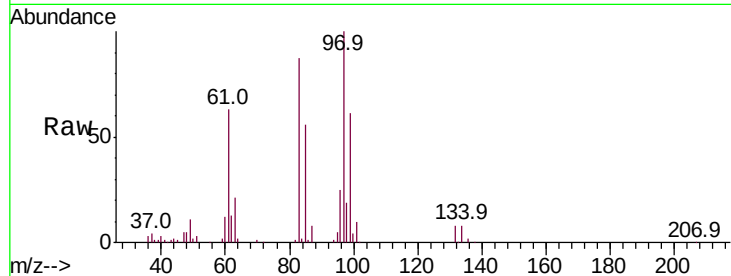
#55
 1,1,2-Trichloroethane
 Concen: 21.422 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBS01

Tot Ion:	97	Resp:	92728
Ion	Ratio	Lower	Upper
97	100		
83	87.0	71.5	107.3
85	56.0	45.8	68.6
99	61.5	49.9	74.9

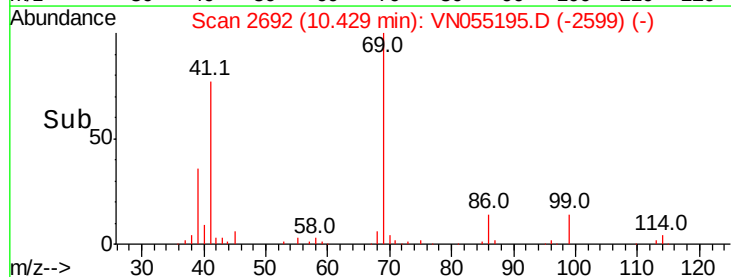
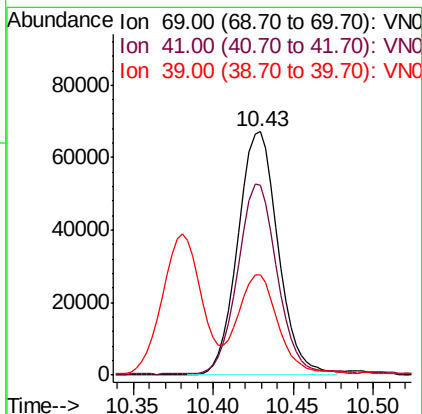
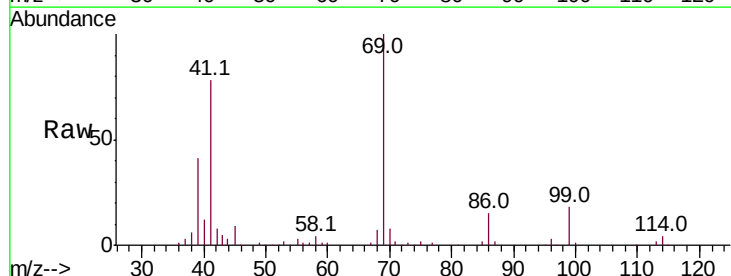
Manual Integrations
 APPROVED

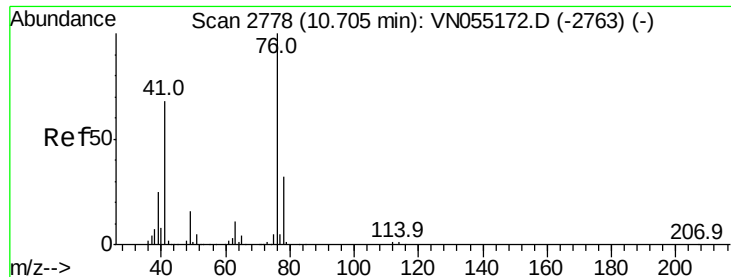
MMDadoda
 4/24/2019 12:45:01 PM



#56
 Ethyl methacrylate
 Concen: 21.424 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Tgt Ion:	69	Resp:	115523
Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.6	90.8
39	39.2	31.7	47.5





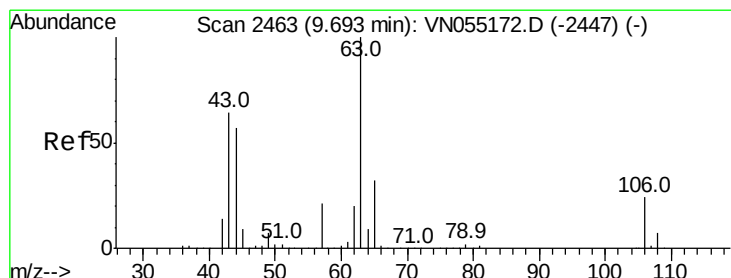
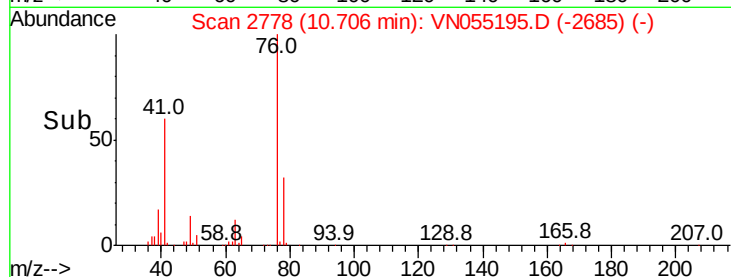
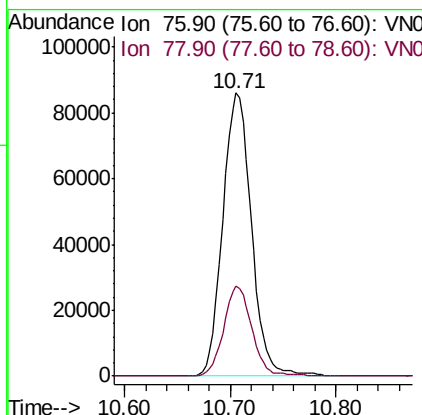
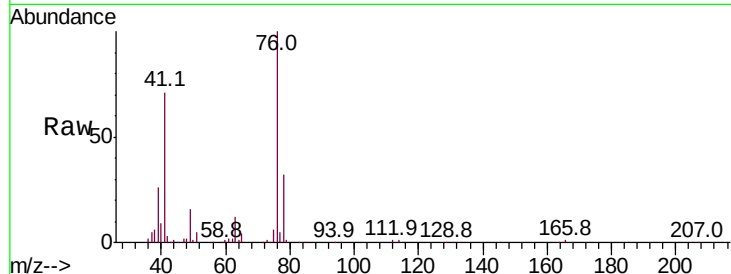
#57
 1,3-Dichloropropane
 Concen: 21.490 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBS01

Tot Ion: 76 Resp: 161846
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.3 37.9

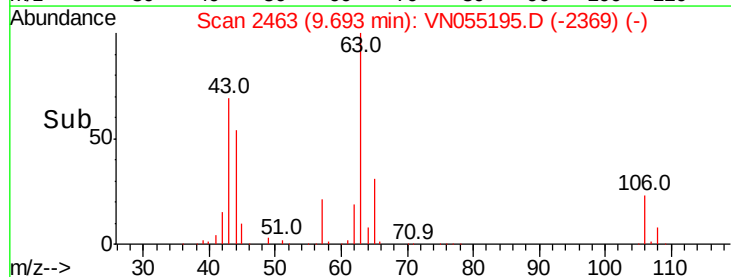
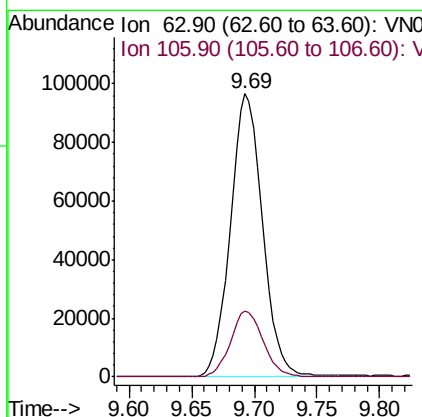
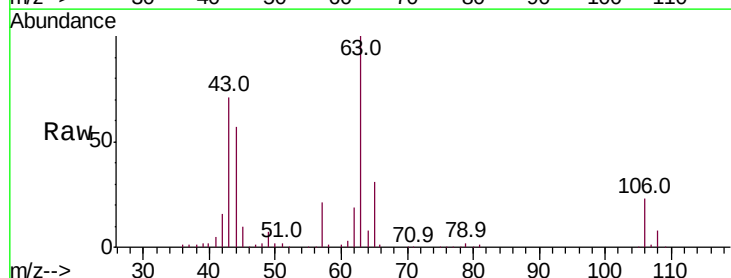
Manual Integrations
 APPROVED

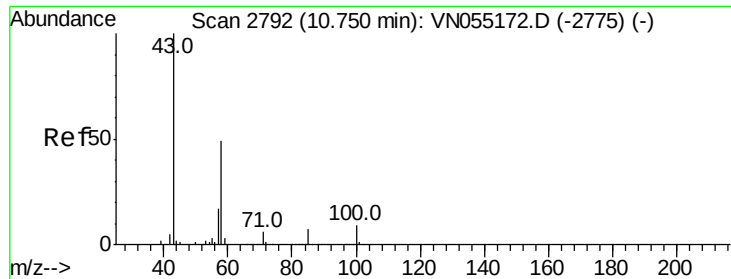
MMDadoda
 4/24/2019 12:45:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.495 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Tgt Ion: 63 Resp: 172367
 Ion Ratio Lower Upper
 63 100
 106 23.8 19.4 29.0





#59

2-Hexanone

Concen: 107.625 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0423WBS01

Tot Ion: 43 Resp: 331678

Ion Ratio Lower Upper

43 100

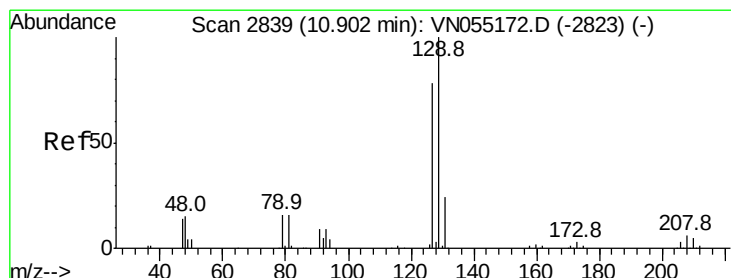
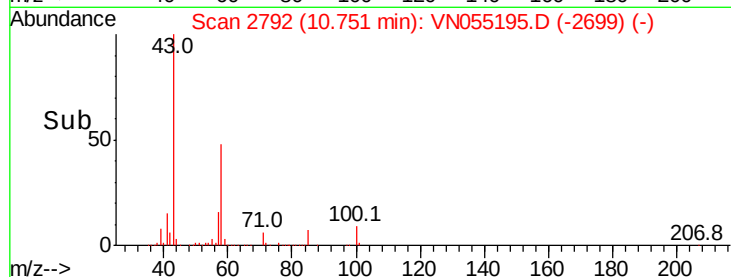
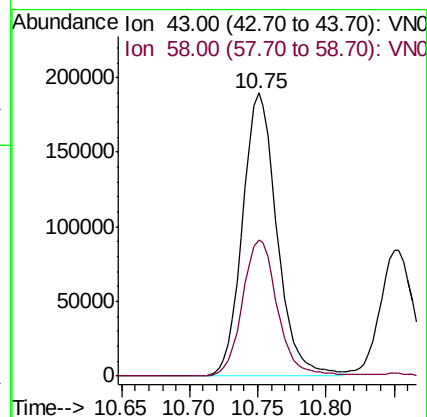
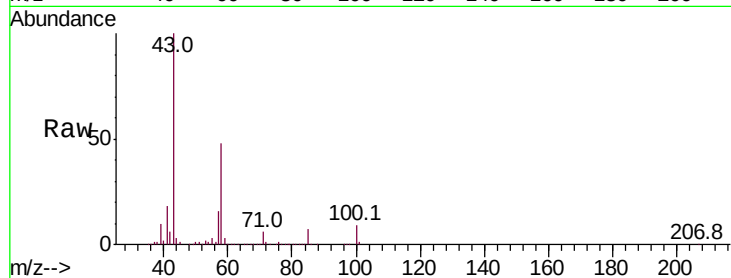
58 49.3 24.5 73.5

Manual Integrations

APPROVED

MMDadoda

4/24/2019 12:45:01 PM



#60

Dibromochloromethane

Concen: 21.598 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055195.D

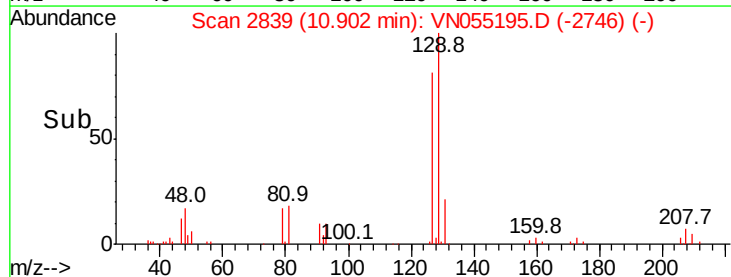
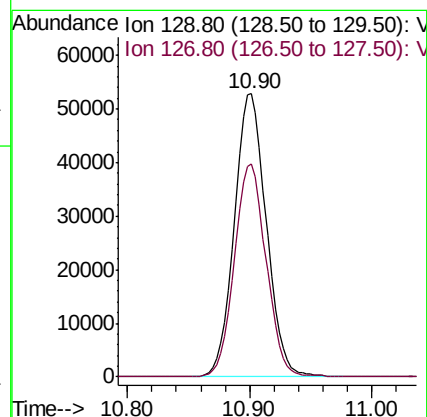
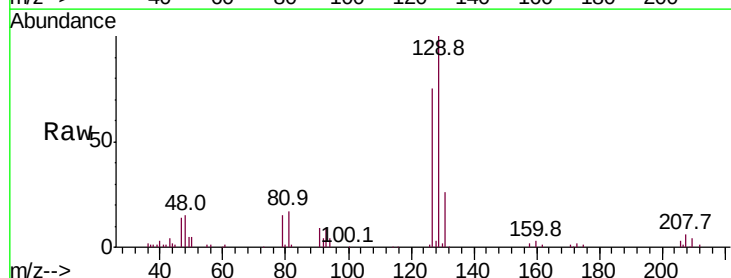
Acq: 23 Apr 2019 10:33

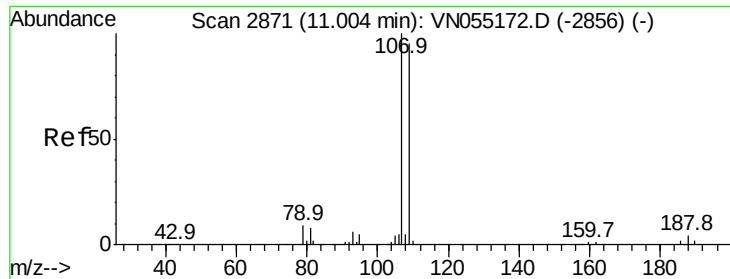
Tgt Ion: 129 Resp: 96296

Ion Ratio Lower Upper

129 100

127 74.9 39.0 117.0





#61

1,2-Dibromoethane

Concen: 21.934 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0423WBS01

Tot Ion:107 Resp: 89266

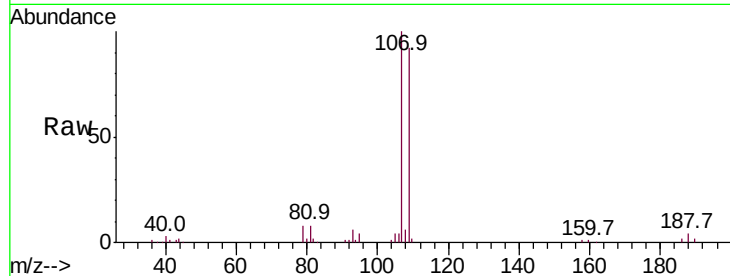
Ion Ratio Lower Upper

107 100

109 93.6 75.8 113.6

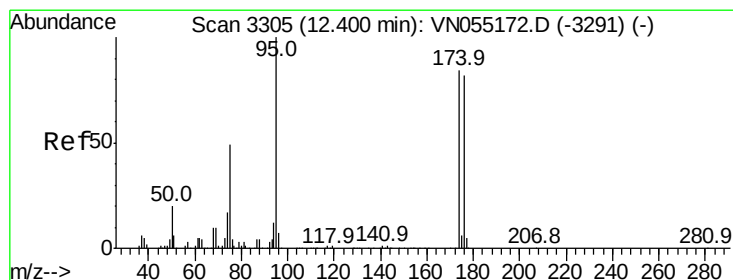
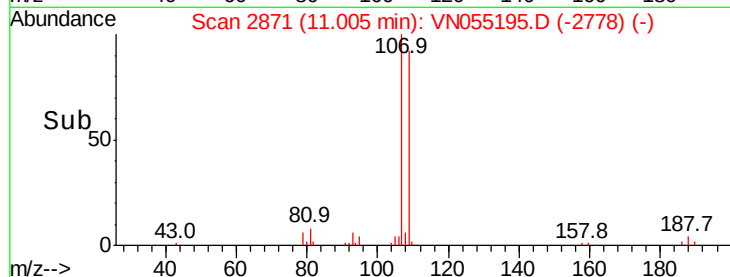
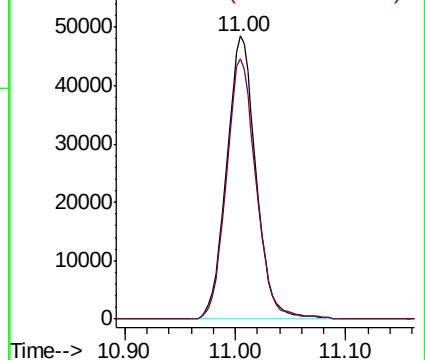
Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:45:01 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.705 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

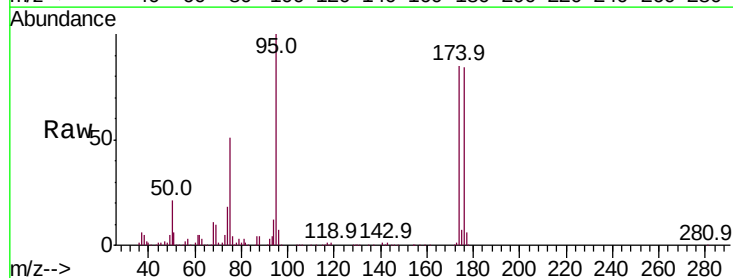
Tgt Ion: 95 Resp: 282520

Ion Ratio Lower Upper

95 100

174 84.6 0.0 168.4

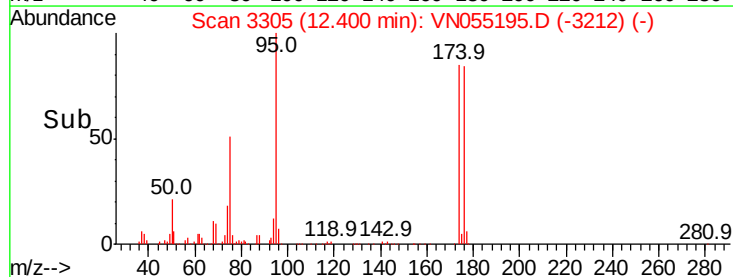
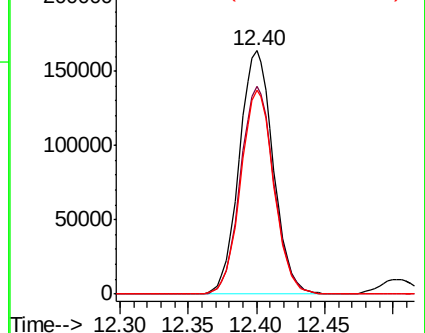
176 82.1 0.0 164.0

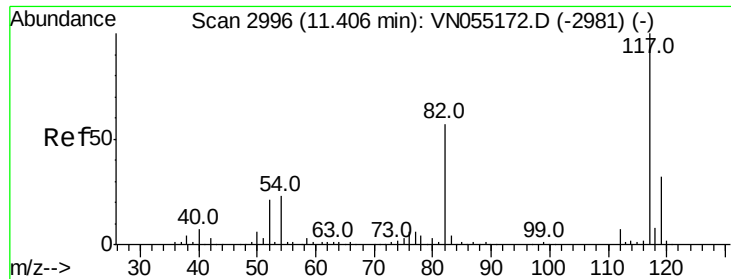


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





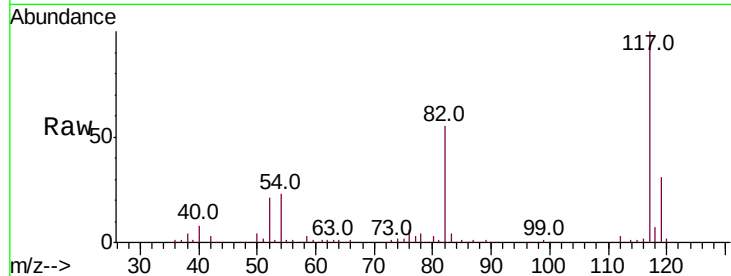
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	45.7	68.5
119	31.1	25.4	38.2

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:45:01 PM

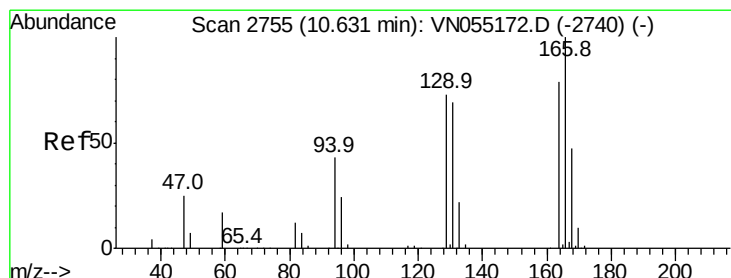
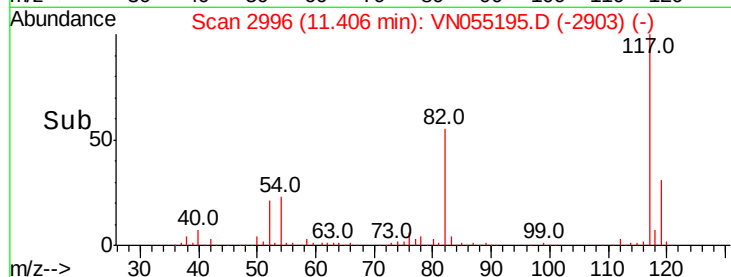
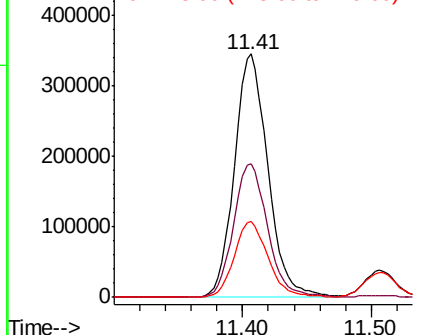


Abundance

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: 20.246 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.2	101.9	152.9
129	92.7	74.1	111.1
131	90.2	70.6	106.0

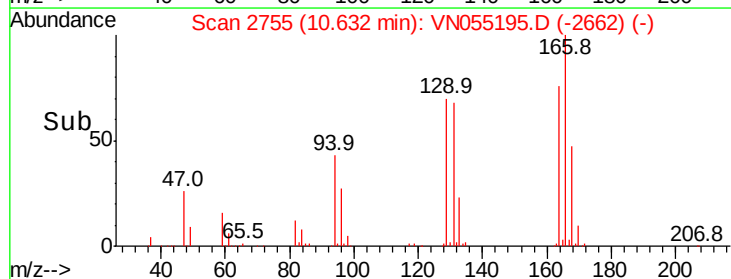
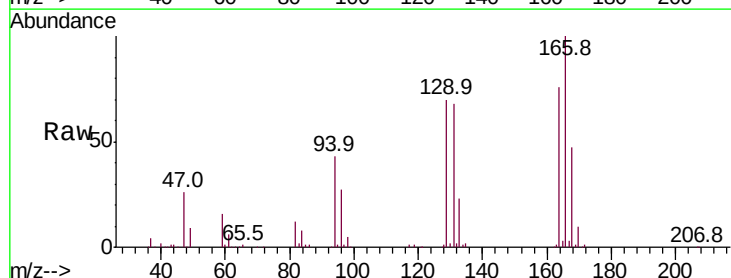
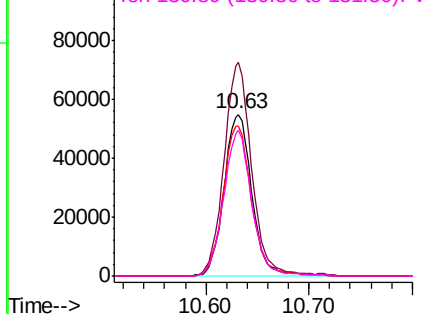
Abundance

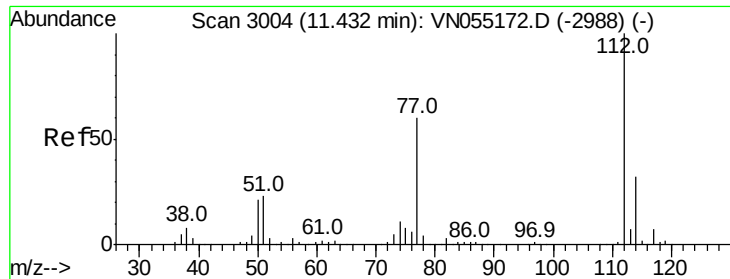
Ion 163.80 (163.50 to 164.50): V

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





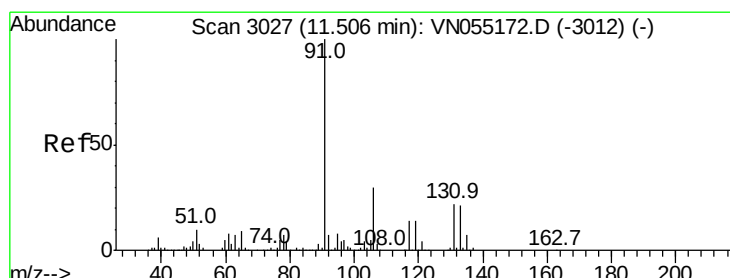
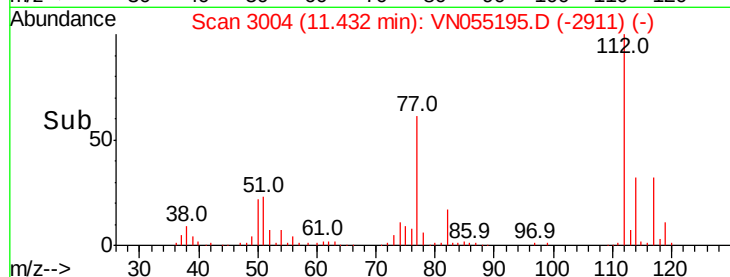
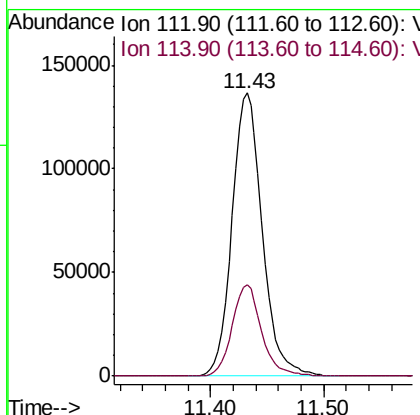
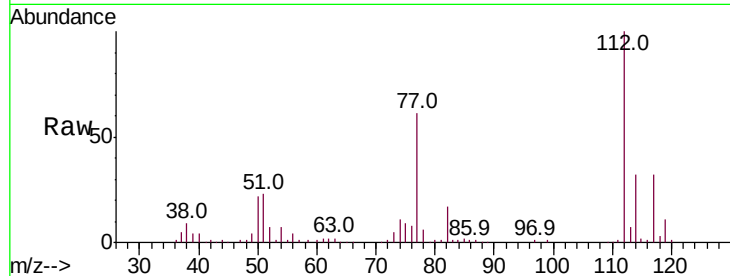
#65
Chlorobenzene
Concen: 19.918 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

Tot Ion:112 Resp: 253853
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.0

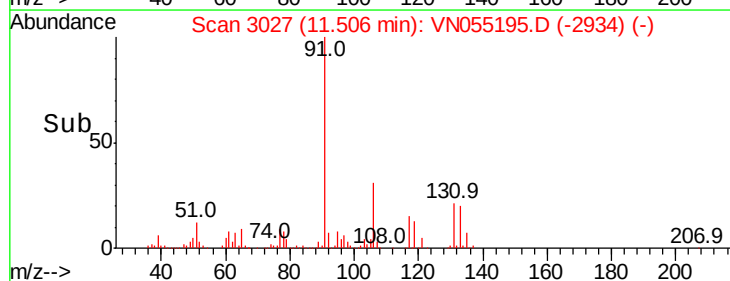
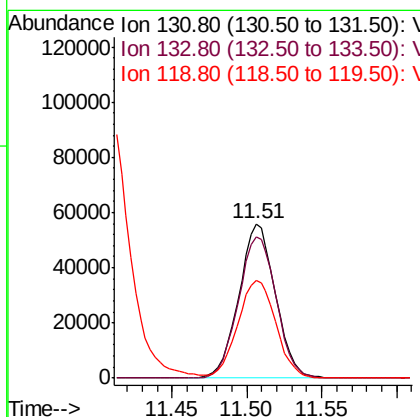
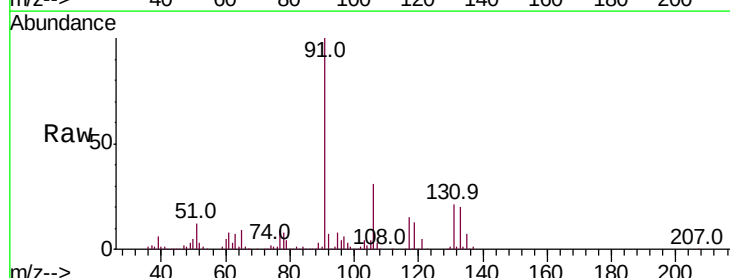
Manual Integrations
APPROVED

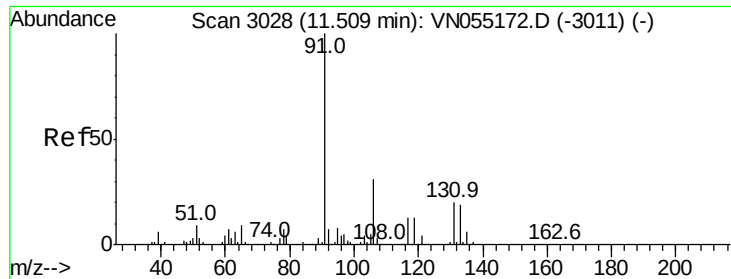
MMDadoda
4/24/2019 12:45:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.020 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Tgt Ion:131 Resp: 94567
Ion Ratio Lower Upper
131 100
133 95.1 47.7 143.1
119 66.6 33.2 99.6





#67

Ethyl Benzene

Concen: 20.661 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0423WBS01

Tot Ion: 91 Resp: 469045

Ion Ratio Lower Upper

91 100

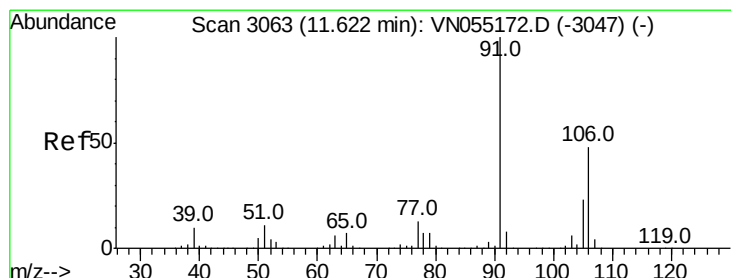
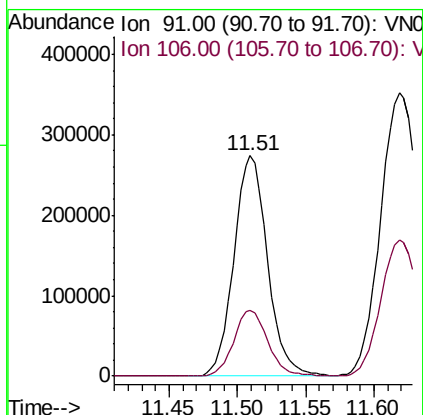
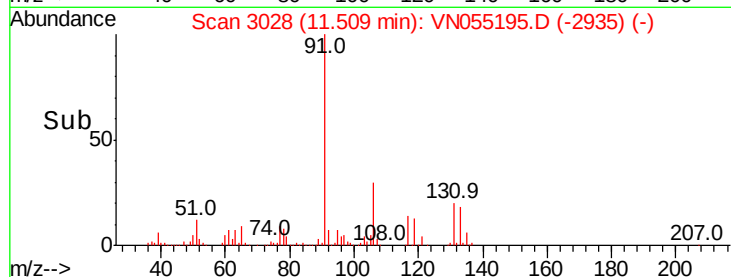
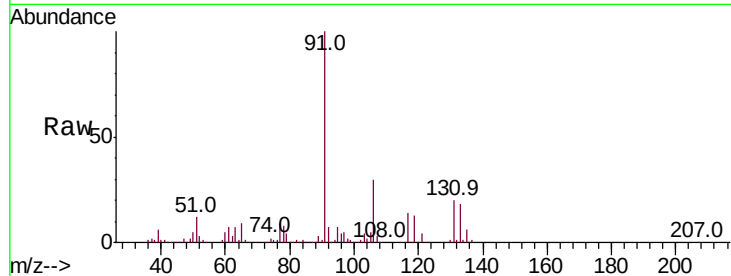
106 30.1 24.5 36.7

Manual Integrations

APPROVED

MMDadoda

4/24/2019 12:45:01 PM



#68

m/p-Xylenes

Concen: 41.507 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055195.D

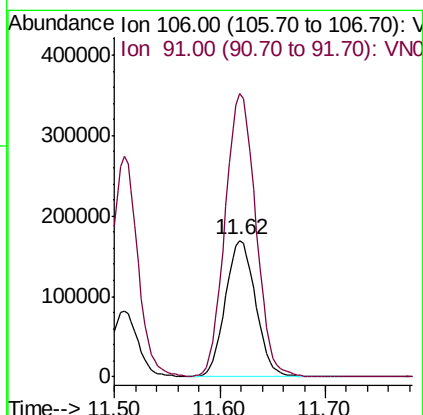
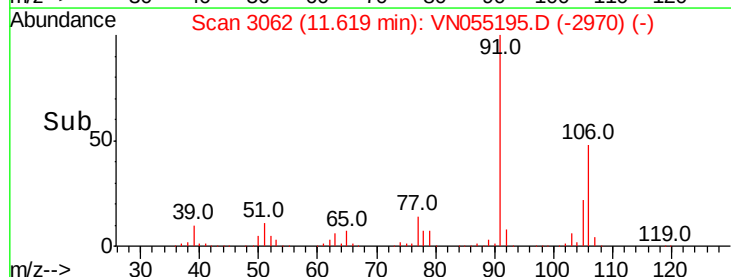
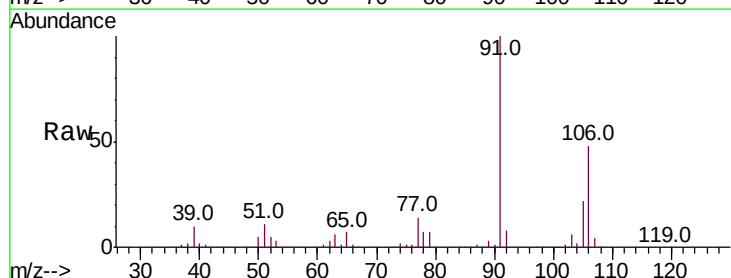
Acq: 23 Apr 2019 10:33

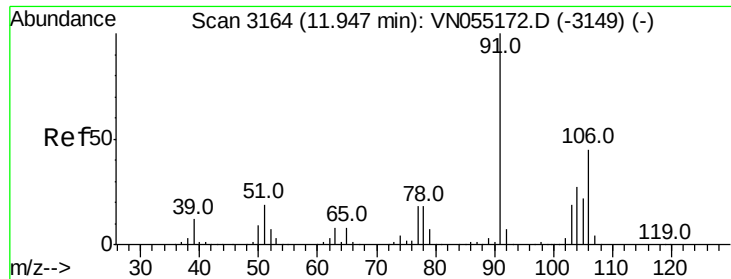
Tgt Ion: 106 Resp: 337969

Ion Ratio Lower Upper

106 100

91 209.1 167.1 250.7





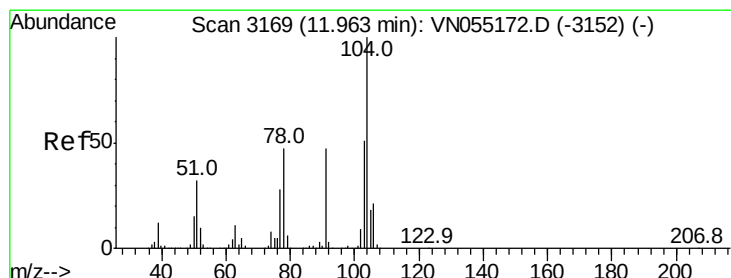
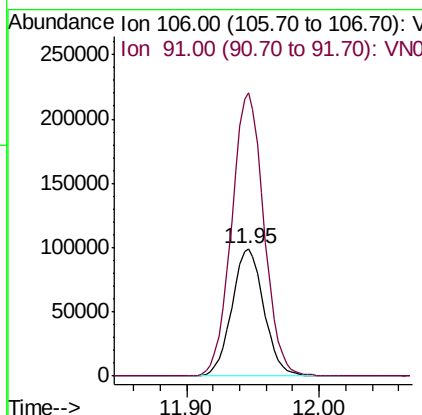
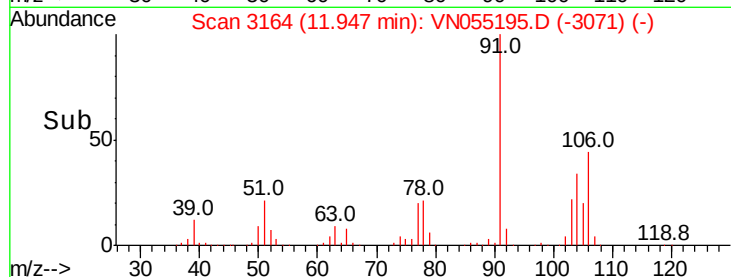
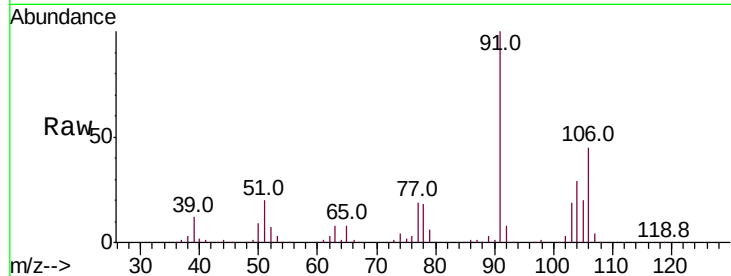
#69
o-Xylene
Concen: 20.596 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

Tot Ion:106 Resp: 166430
Ion Ratio Lower Upper
106 100
91 223.7 110.6 331.8

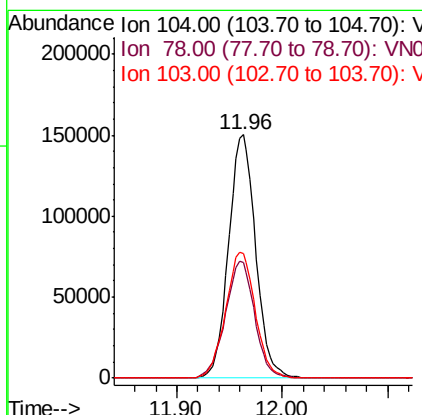
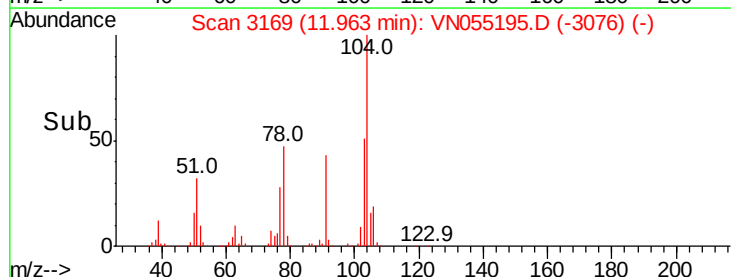
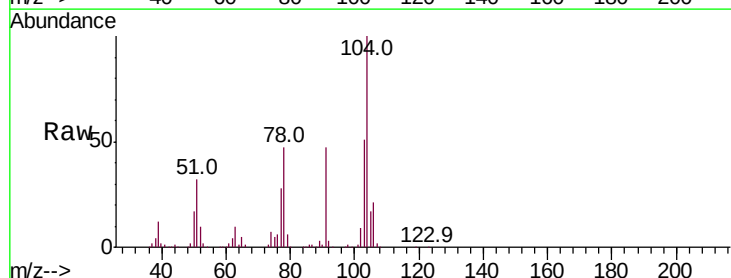
Manual Integrations
APPROVED

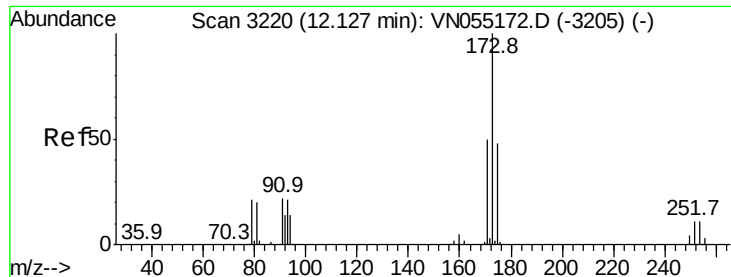
MMDadoda
4/24/2019 12:45:01 PM



#70
Styrene
Concen: 21.246 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Tgt Ion:104 Resp: 266113
Ion Ratio Lower Upper
104 100
78 51.9 41.3 61.9
103 56.6 44.2 66.4





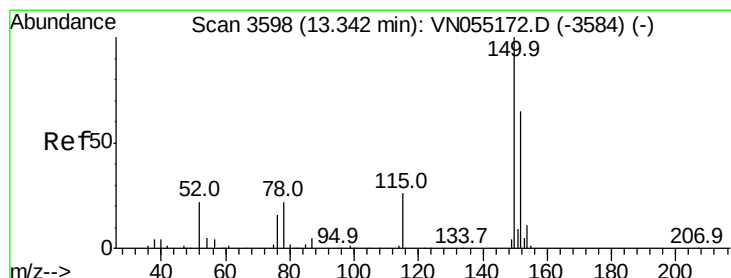
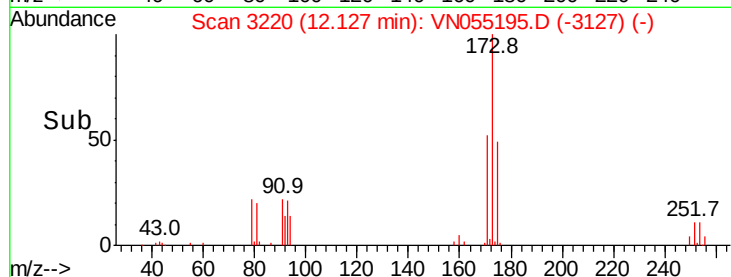
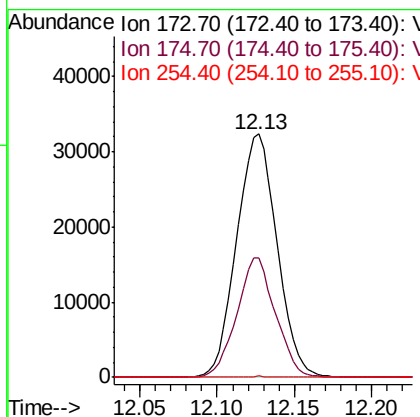
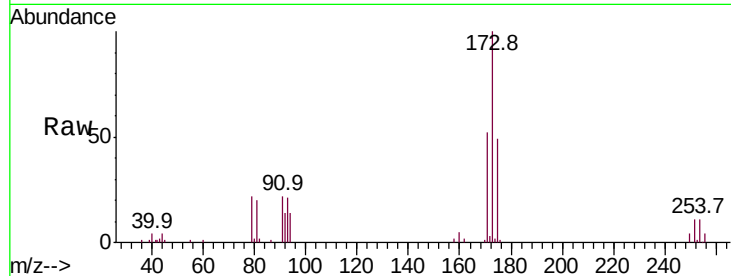
#71
Bromoform
Concen: 20.853 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.6	23.8	71.2
254	0.0	0.1	0.1#

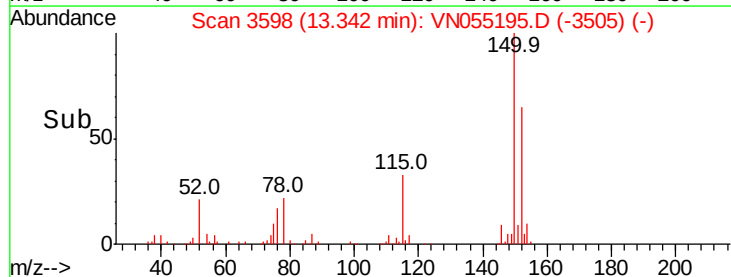
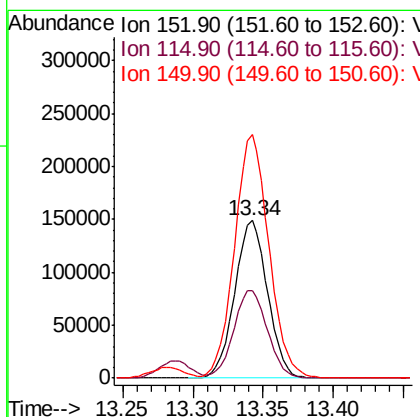
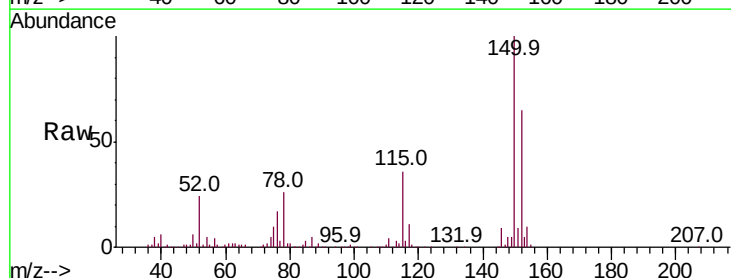
Manual Integrations
APPROVED

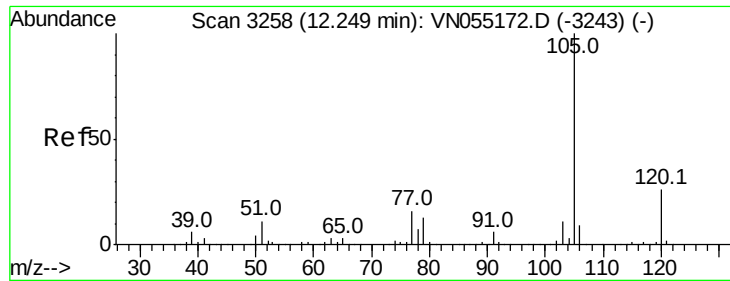
MMDadoda
4/24/2019 12:45:01 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.9	86.7
150	161.5	0.0	346.6





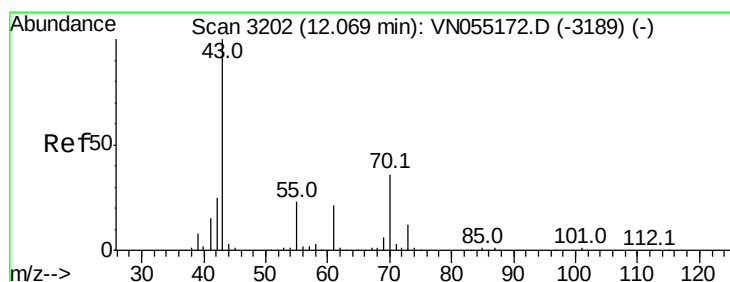
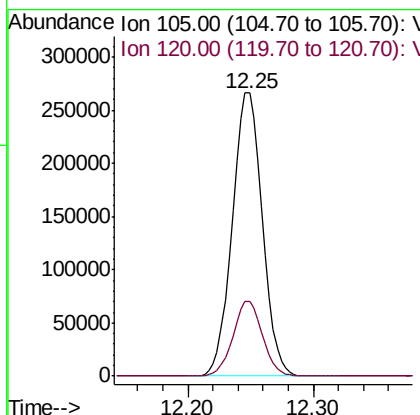
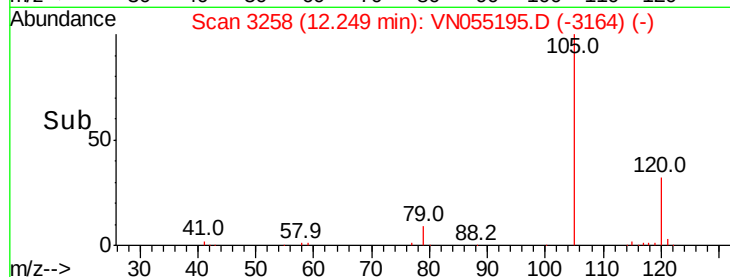
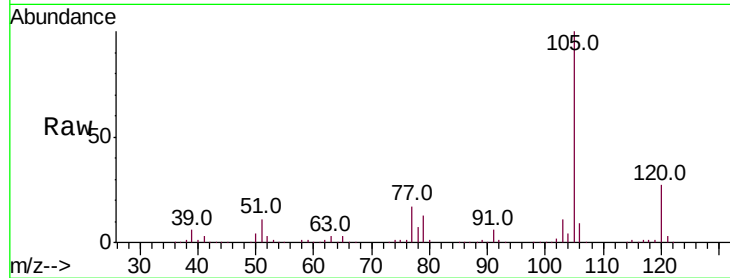
#73
Isopropylbenzene
Concen: 21.392 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

Tot Ion:105 Resp: 442616
Ion Ratio Lower Upper
105 100
120 26.0 13.1 39.1

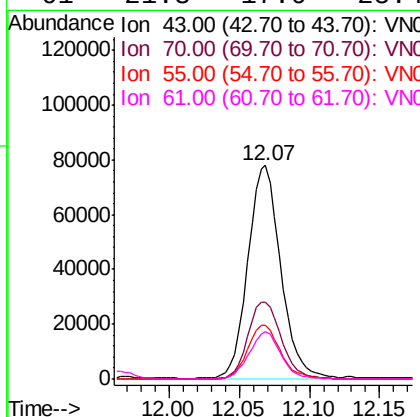
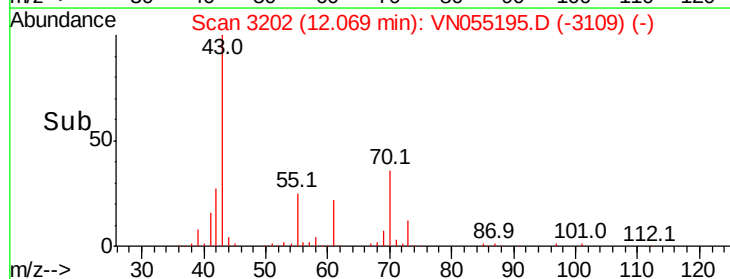
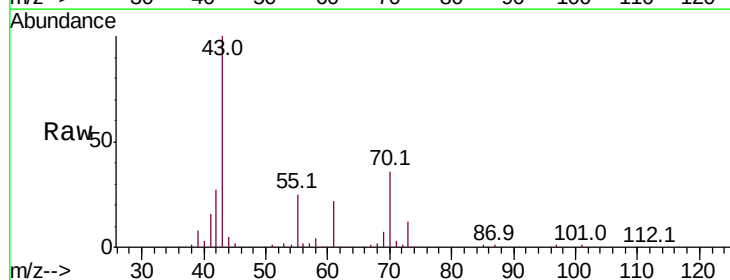
Manual Integrations
APPROVED

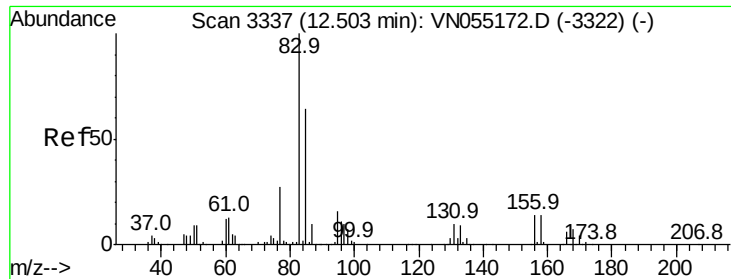
MMDadoda
4/24/2019 12:45:01 PM



#74
N-ethyl acetate
Concen: 20.336 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Tgt Ion: 43 Resp: 127326
Ion Ratio Lower Upper
43 100
70 36.7 29.0 43.6
55 25.4 18.5 27.7
61 21.3 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.996 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

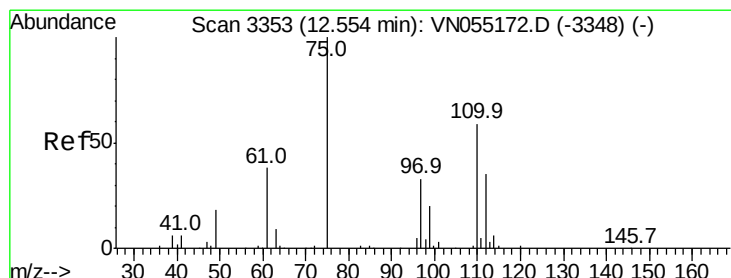
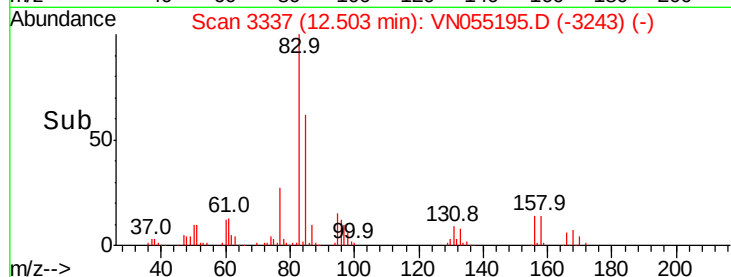
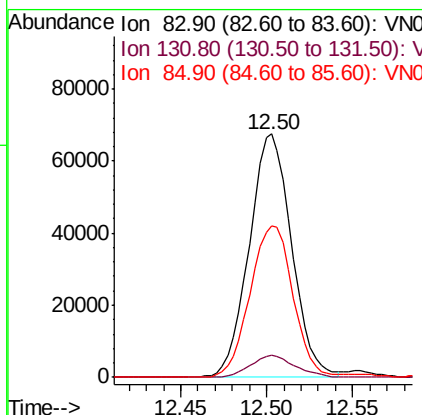
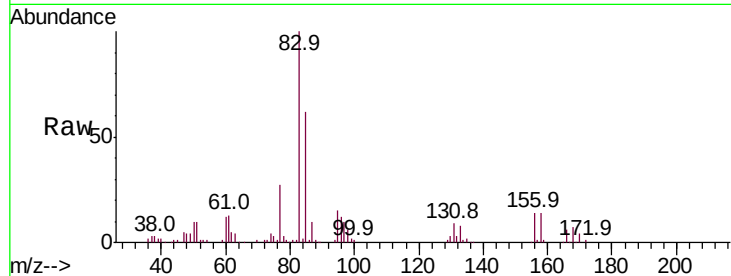
ClientSampled :

VN0423WBS01

Tot Ion:	83	Resp:	115388
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.0	15.0
85	63.2	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:45:01 PM



#76

1,2,3-Trichloropropane

Concen: 18.293 ug/l m

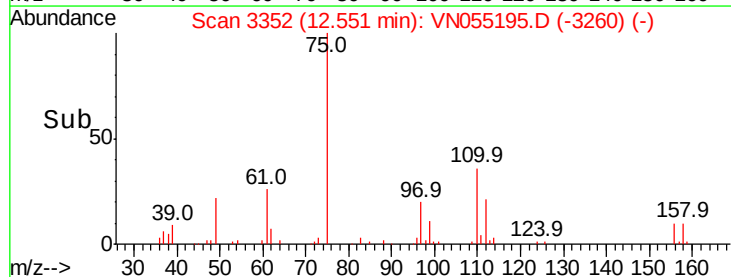
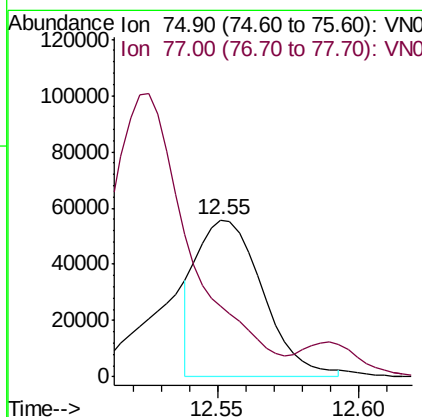
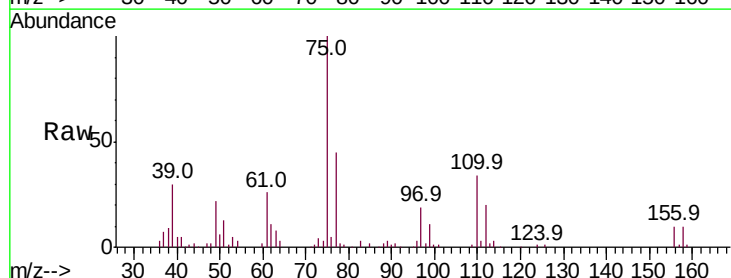
RT: 12.55 min Scan# 3352

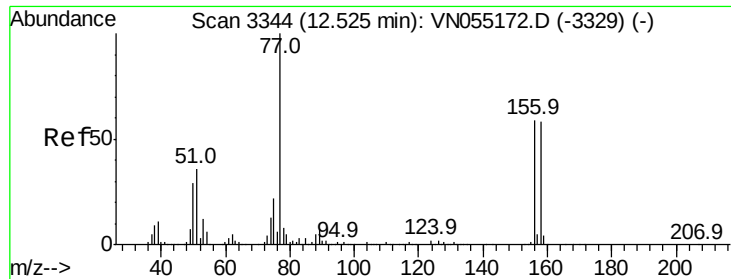
Delta R.T. -0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Tgt Ion:	75	Resp:	90125
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.466 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

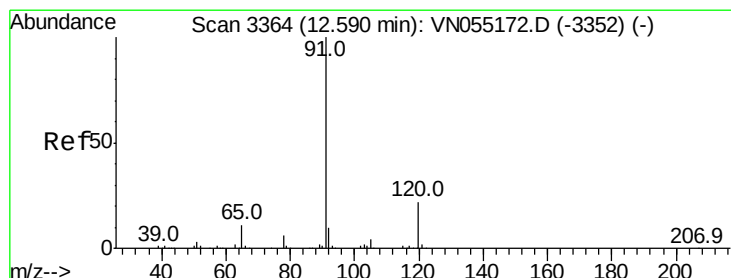
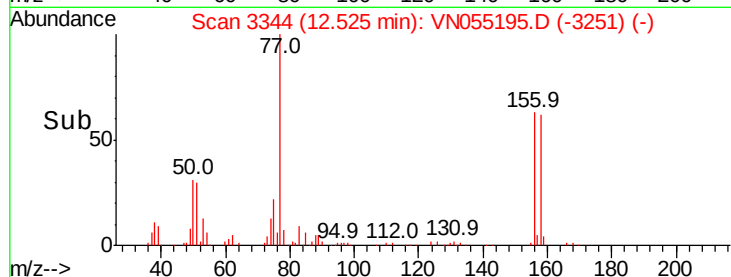
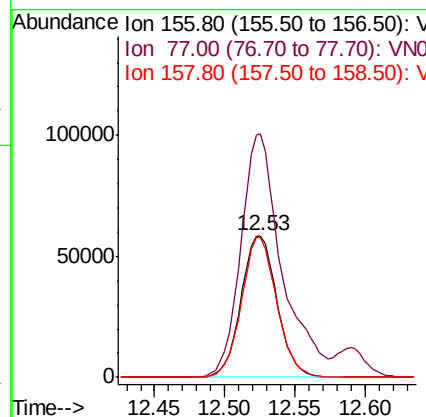
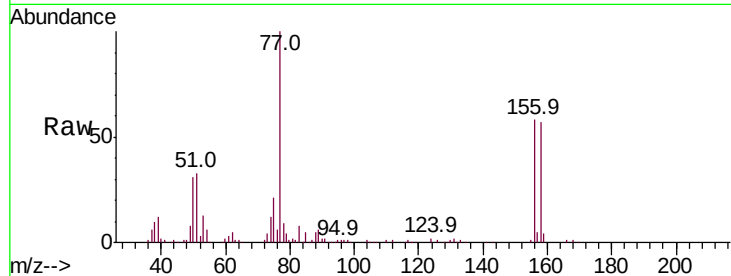
ClientSampleId :

VN0423WBS01

Tot Ion:	156	Resp:	104362
Ion Ratio	Lower	Upper	
156	100		
77	196.0	98.0	293.9
158	97.2	48.9	146.8

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:45:01 PM



#78

n-propylbenzene

Concen: 19.911 ug/l

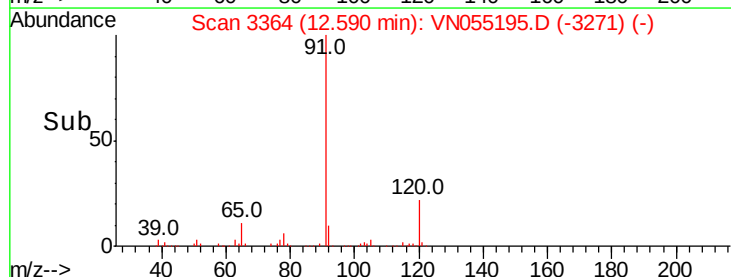
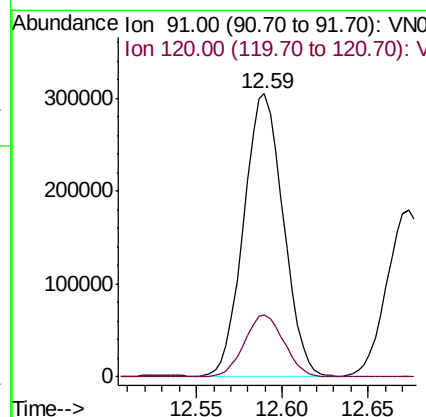
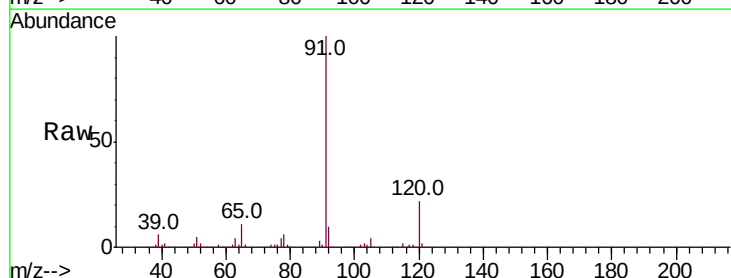
RT: 12.59 min Scan# 3364

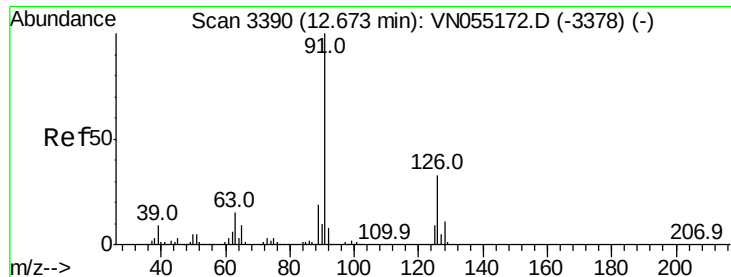
Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Tgt Ion:	91	Resp:	484934
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.604 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

ClientSampled :

VN0423WBS01

Tot Ion: 91 Resp: 301485

Ion Ratio Lower Upper

91 100

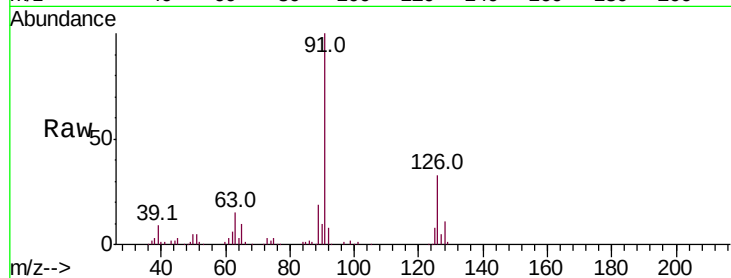
126 33.2 16.8 50.3

Manual Integrations

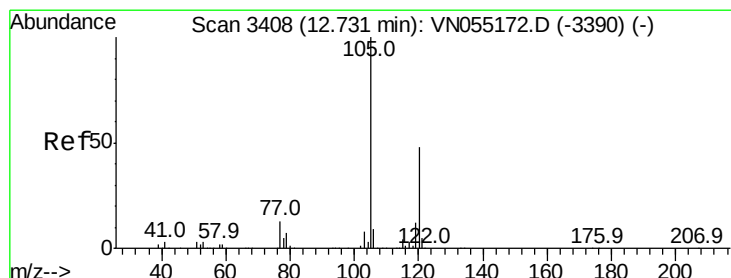
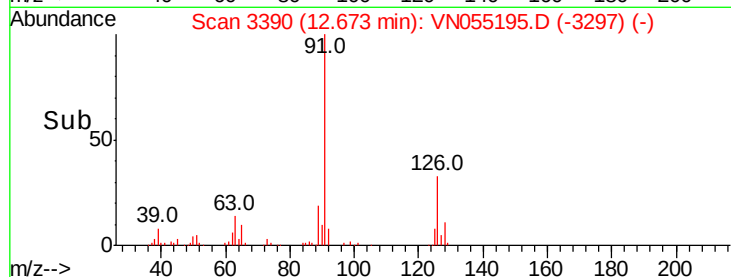
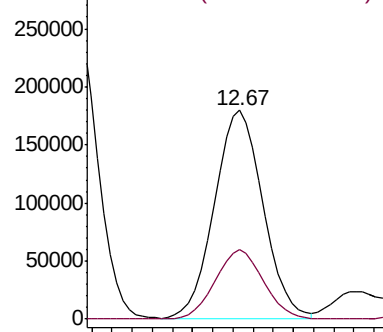
APPROVED

MMDadoda

4/24/2019 12:45:01 PM



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



#80

1,3,5-Trimethylbenzene

Concen: 20.072 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055195.D

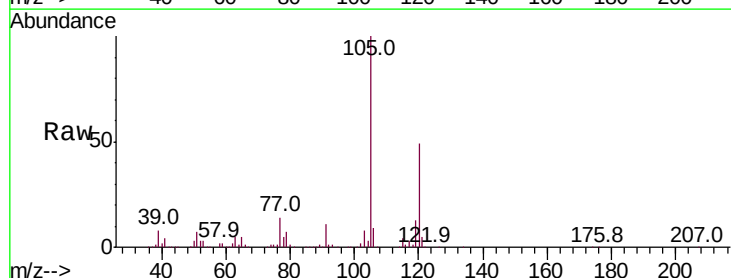
Acq: 23 Apr 2019 10:33

Tgt Ion: 105 Resp: 364907

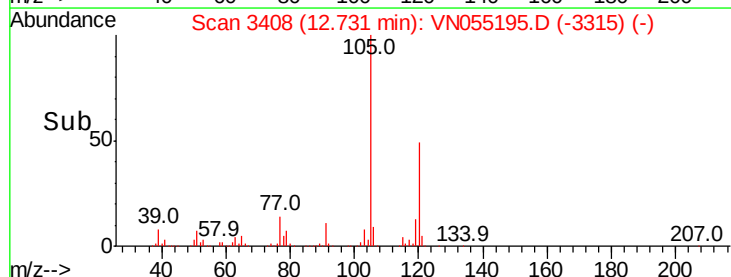
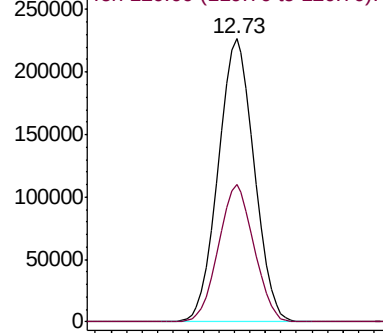
Ion Ratio Lower Upper

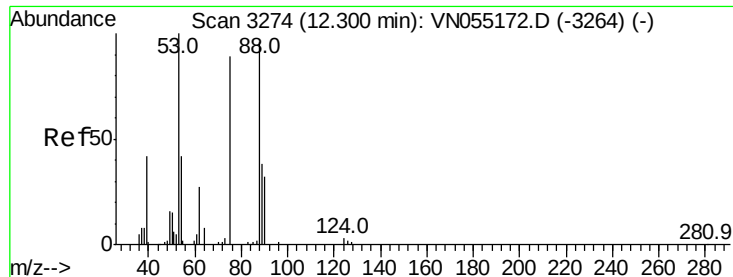
105 100

120 48.2 23.9 71.7



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





#81

trans-1,4-Dichloro-2-butene

Concen: 19.139 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0423WBS01

Tot Ion: 75 Resp: 24874

Ion Ratio Lower Upper

75 100

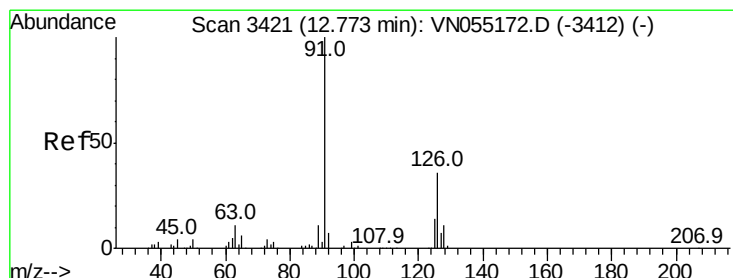
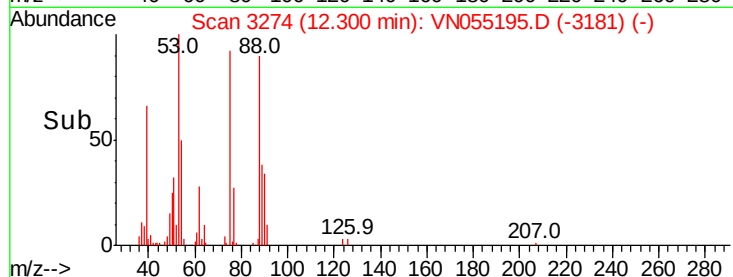
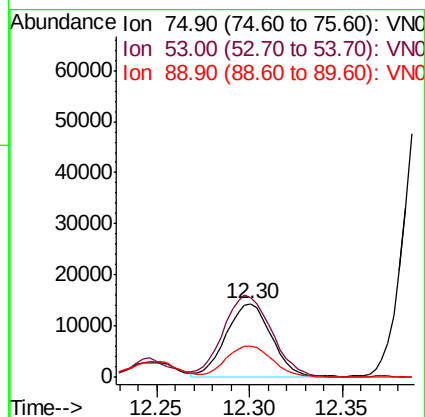
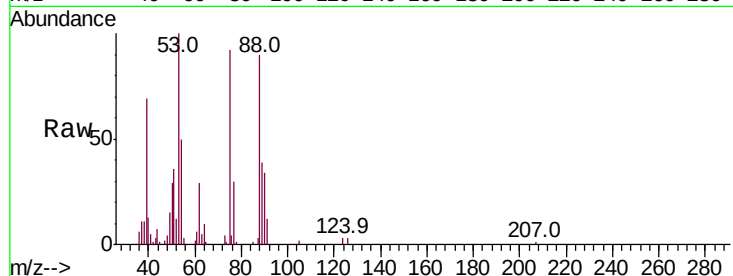
53 117.2 90.1 135.1

89 43.2 36.7 55.1

Manual Integrations
APPROVED

MMDadoda

4/24/2019 12:45:01 PM



#82

4-Chlorotoluene

Concen: 19.764 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN055195.D

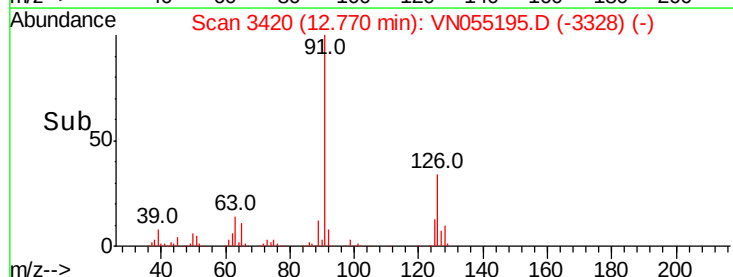
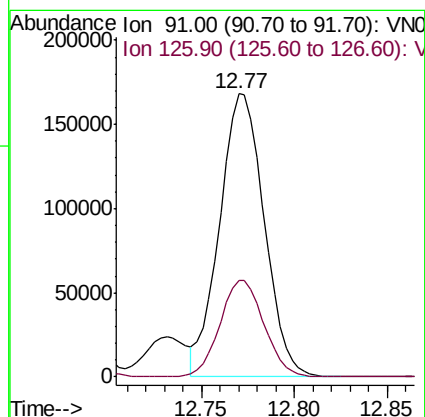
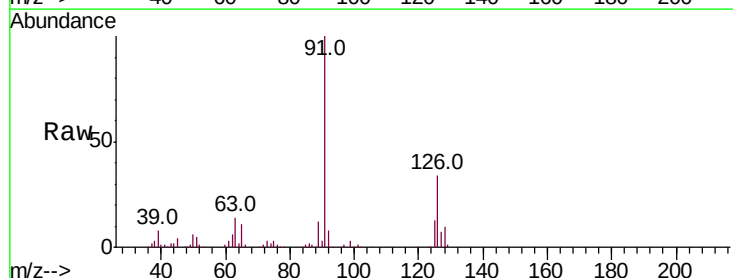
Acq: 23 Apr 2019 10:33

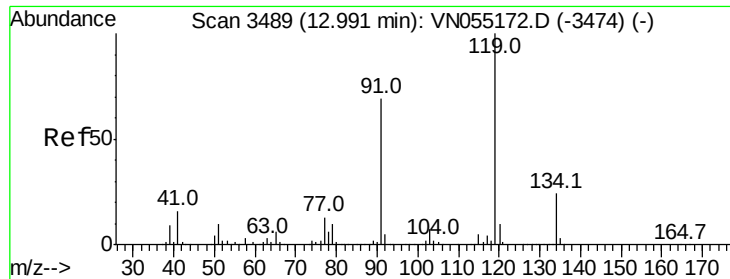
Tgt Ion: 91 Resp: 279646

Ion Ratio Lower Upper

91 100

126 33.9 16.5 49.5





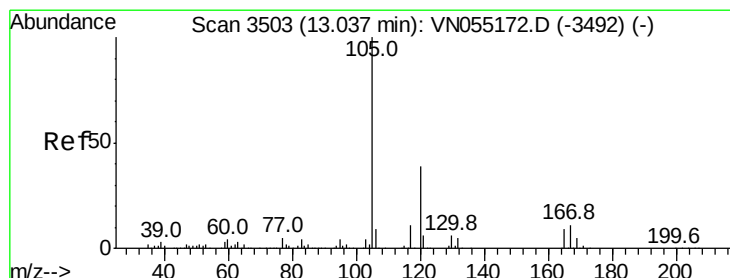
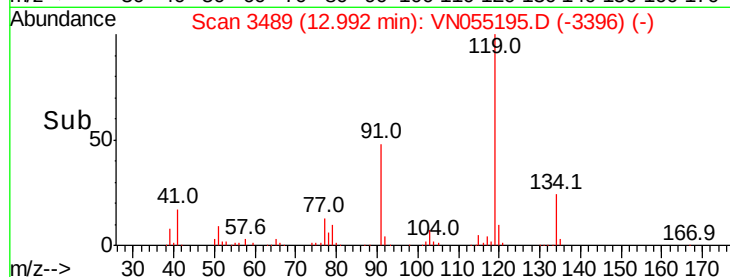
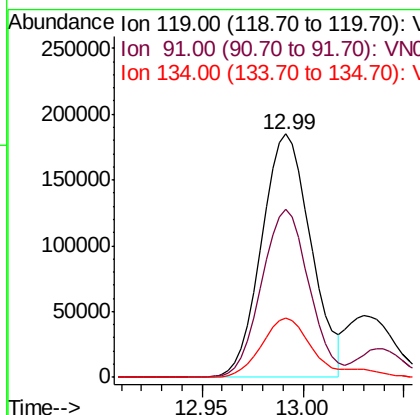
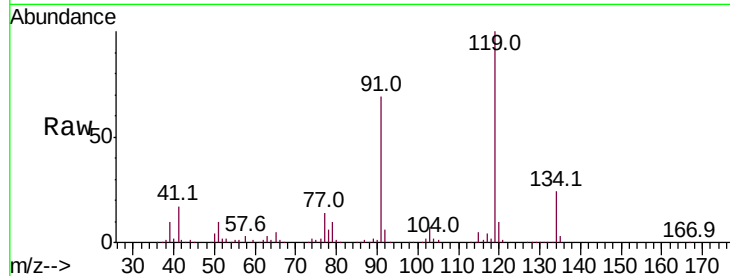
#83
 tert-Butylbenzene
 Concen: 21.840 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	315267		
91	66.7	33.8	101.3	
134	26.3	13.2	39.5	

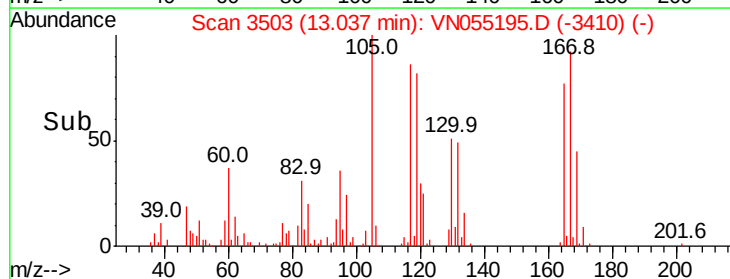
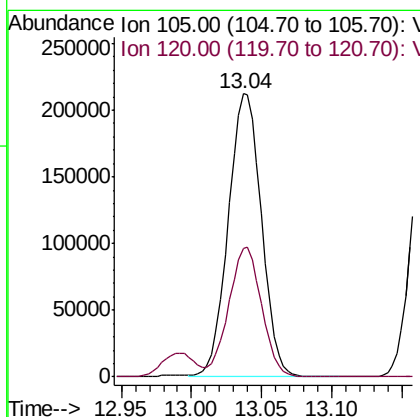
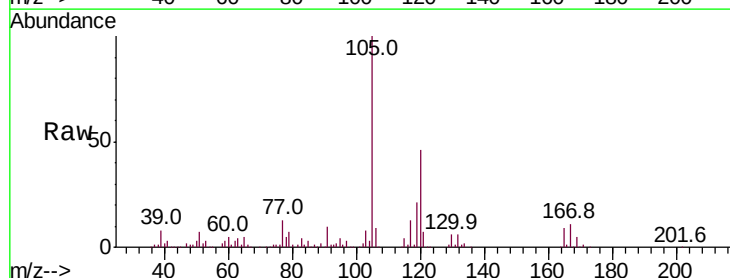
Manual Integrations
 APPROVED

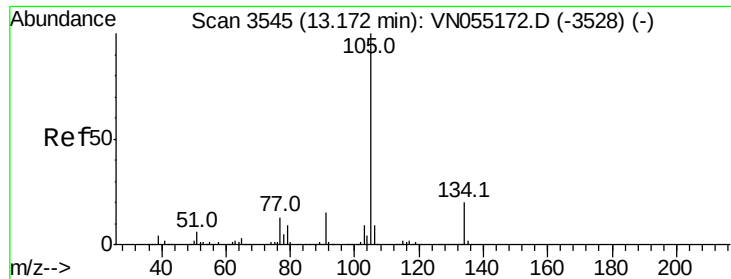
MMDadoda
 4/24/2019 12:45:01 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.396 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	349921		
120	45.6	22.7	68.1	





#85

sec-Butylbenzene

Concen: 19.313 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0423WBS01

Tot Ion:105 Resp: 397223

Ion Ratio Lower Upper

105 100

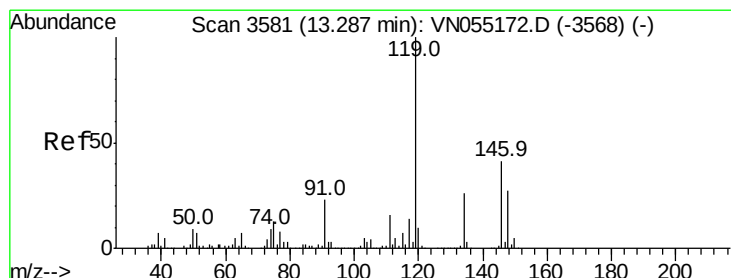
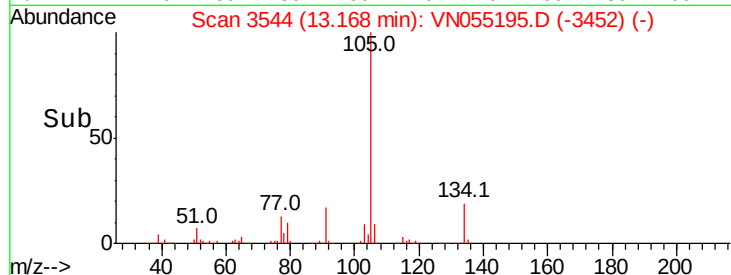
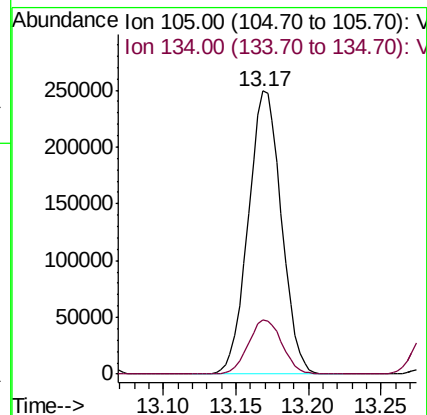
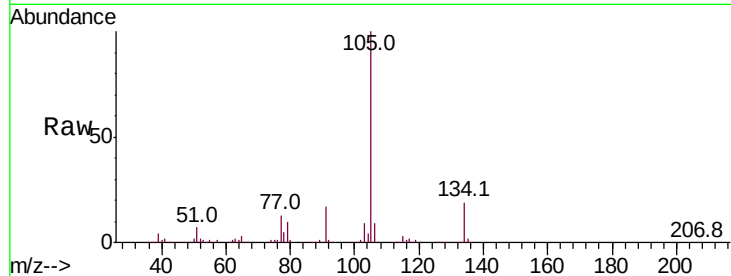
134 19.5 10.0 30.0

Manual Integrations

APPROVED

MMDadoda

4/24/2019 12:45:01 PM



#86

p-Isopropyltoluene

Concen: 20.376 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

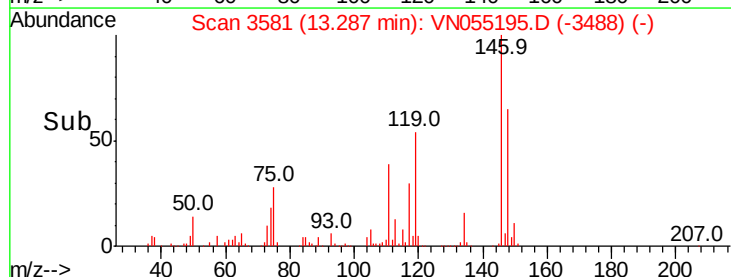
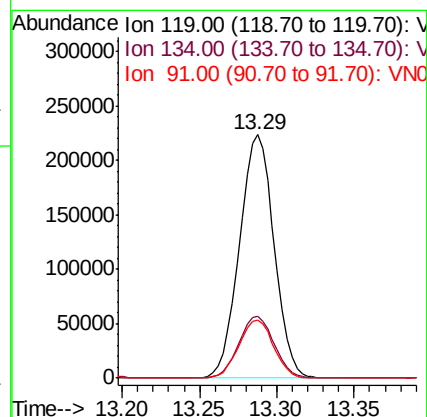
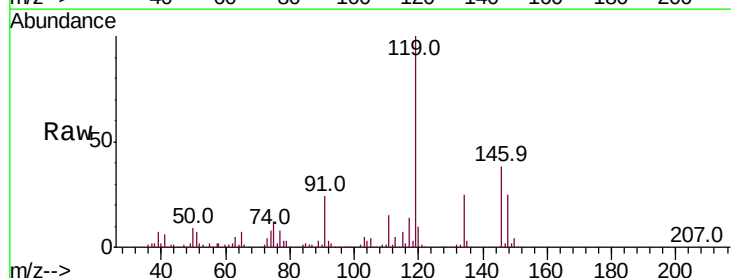
Tgt Ion:119 Resp: 345263

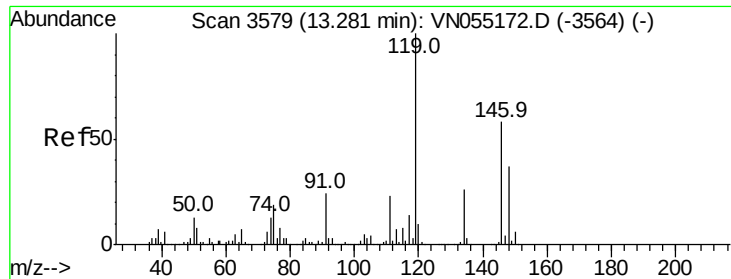
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 24.2 11.8 35.3





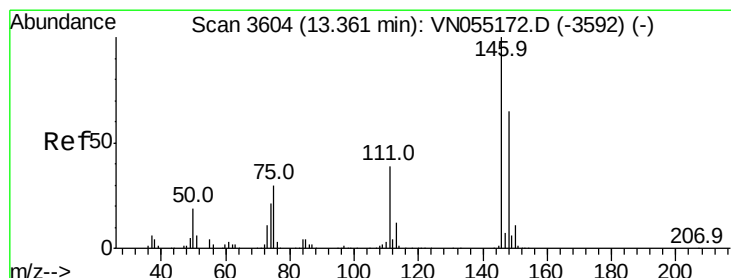
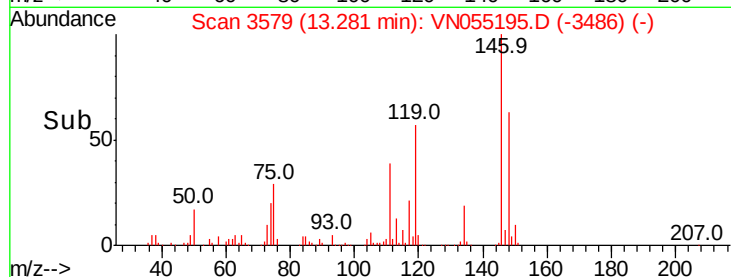
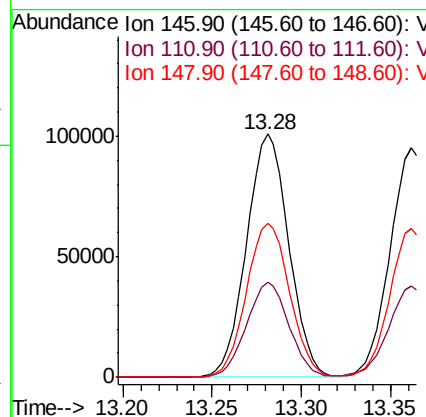
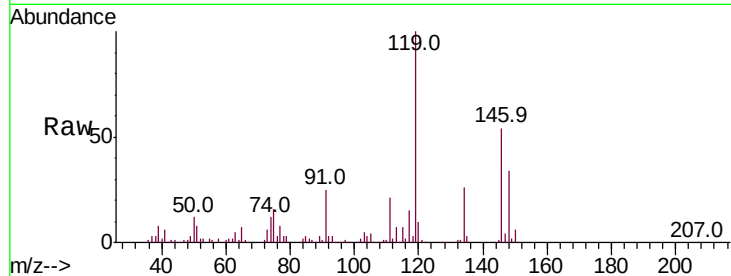
#87
 1,3-Dichlorobenzene
 Concen: 20.322 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	167251		
111	39.1	19.7	59.1	
148	64.6	32.0	96.0	

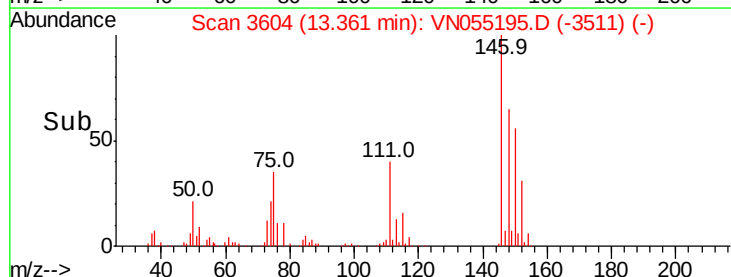
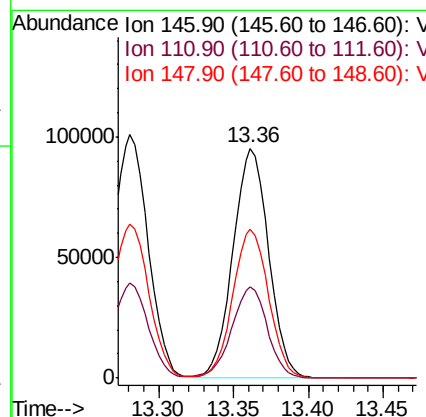
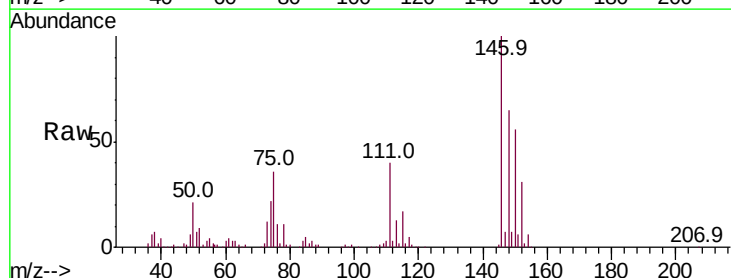
Manual Integrations
 APPROVED

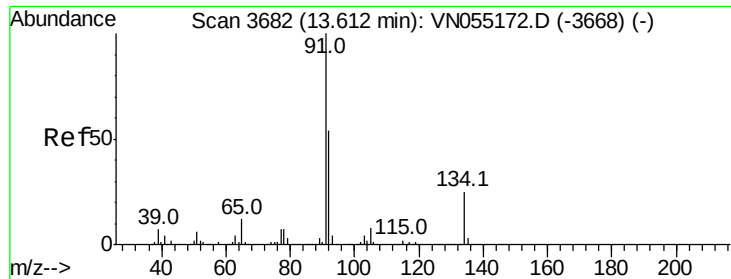
MMDadoda
 4/24/2019 12:45:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.786 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	158541		
111	39.8	19.4	58.2	
148	65.0	32.9	98.6	





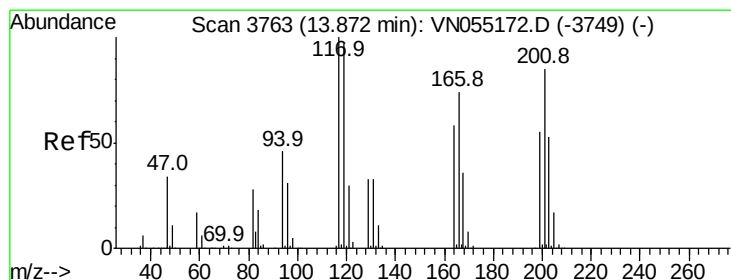
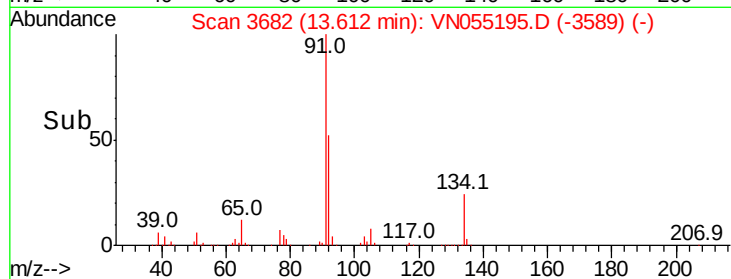
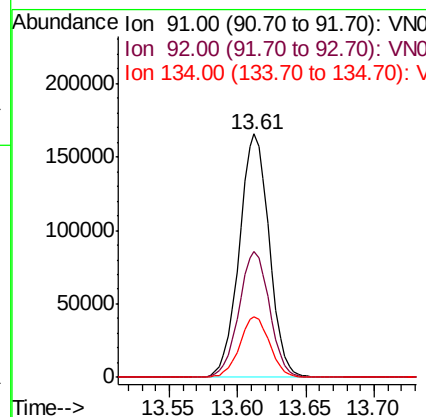
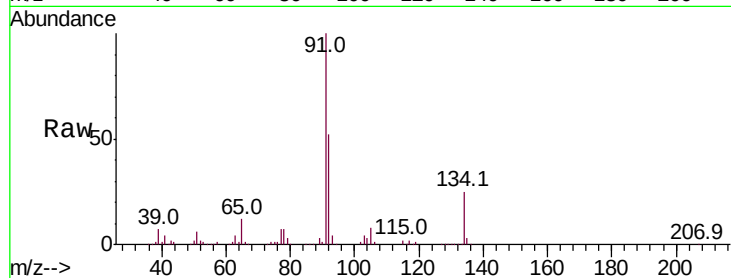
#89
n-Butylbenzene
Concen: 20.107 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.2
134	24.9	12.8	38.4

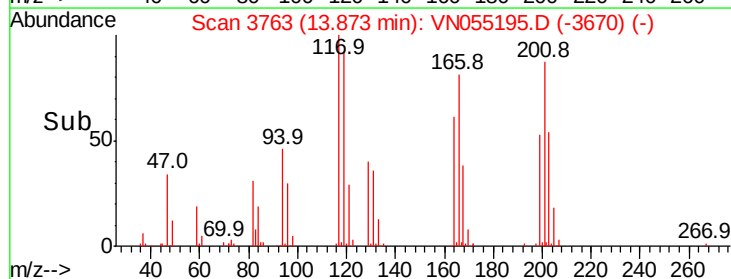
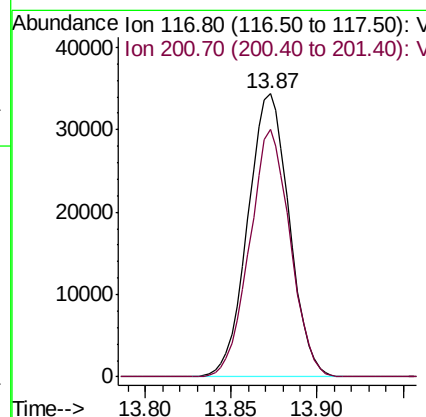
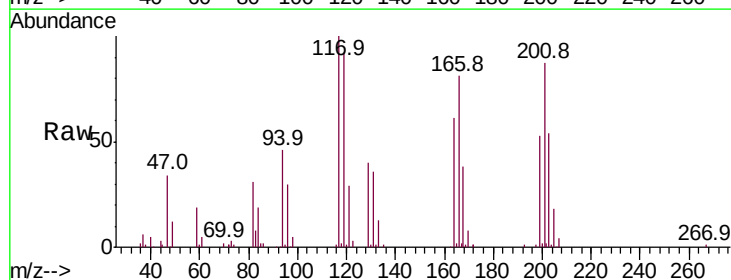
Manual Integrations
APPROVED

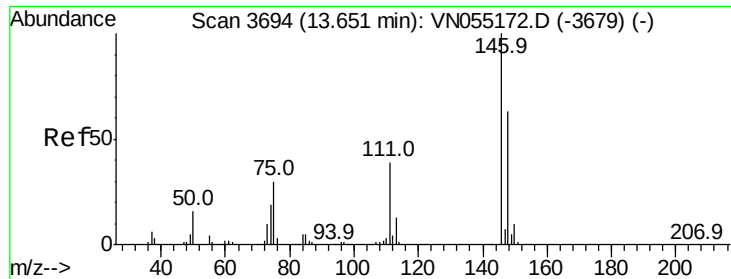
MMDadoda
4/24/2019 12:45:01 PM



#90
Hexachloroethane
Concen: 19.144 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055195.D
Acq: 23 Apr 2019 10:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	43.1	129.4





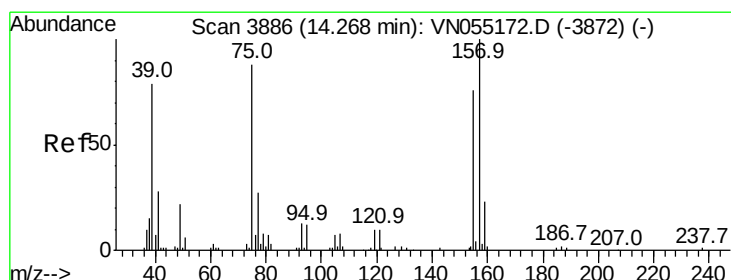
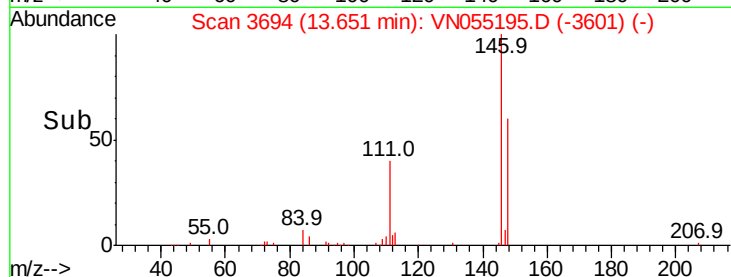
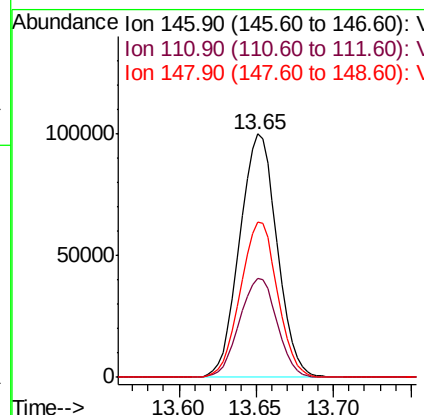
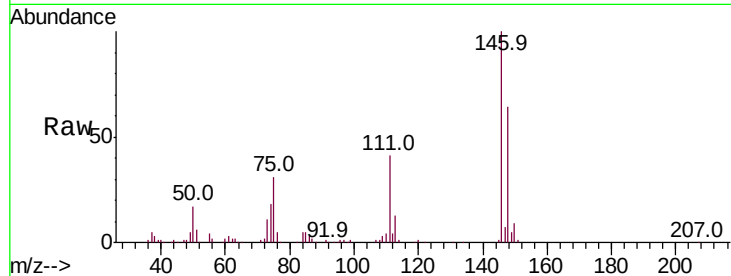
#91
 1,2-Dichlorobenzene
 Concen: 19.847 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.8	59.3
148	63.3	31.7	95.1

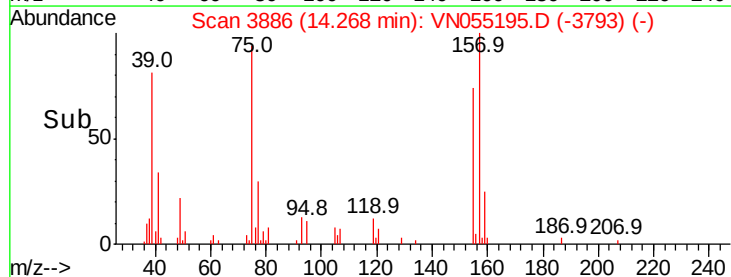
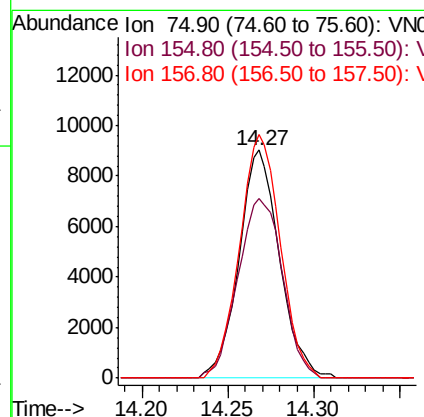
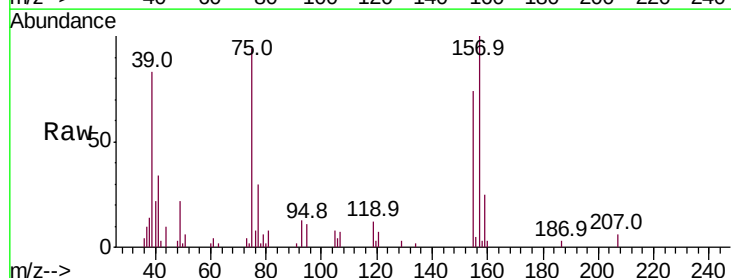
Manual Integrations
 APPROVED

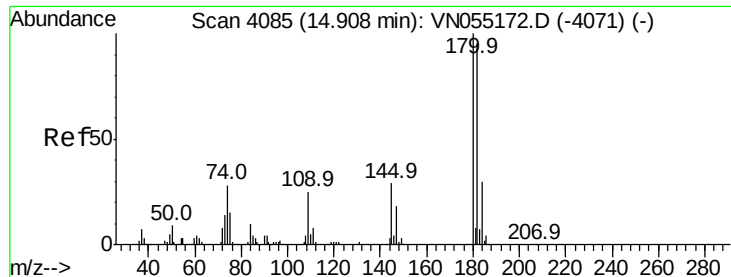
MMDadoda
 4/24/2019 12:45:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.006 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	43.0	129.0
157	107.3	55.7	167.1





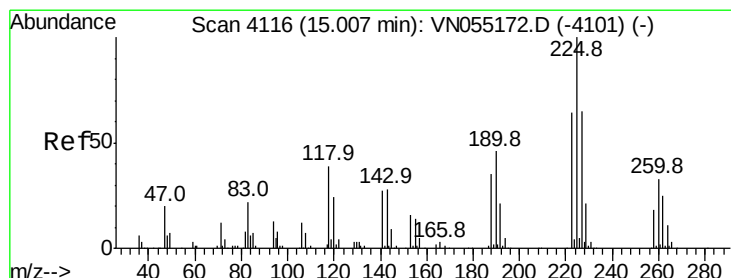
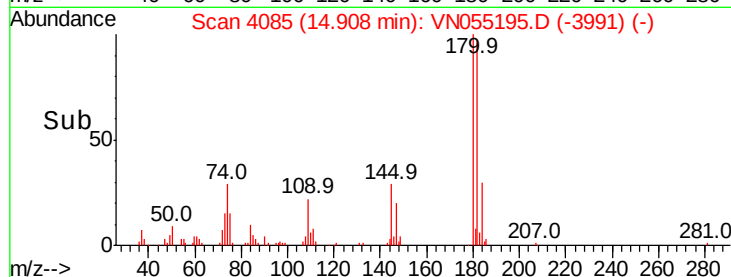
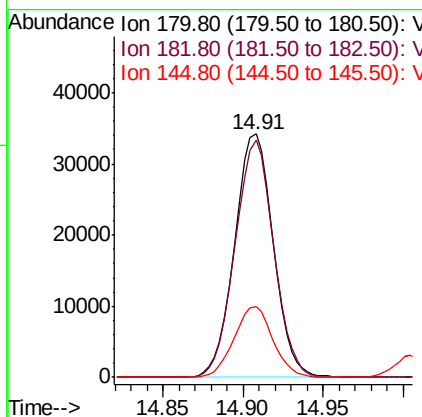
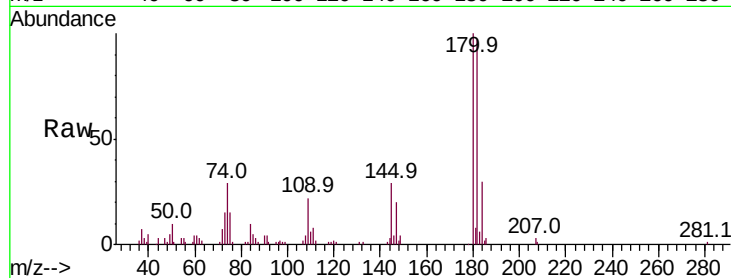
#93
 1,2,4-Trichlorobenzene
 Concen: 17.680 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.8	143.4
145	29.0	14.5	43.5

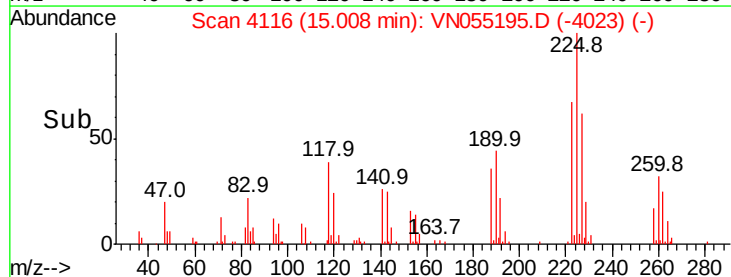
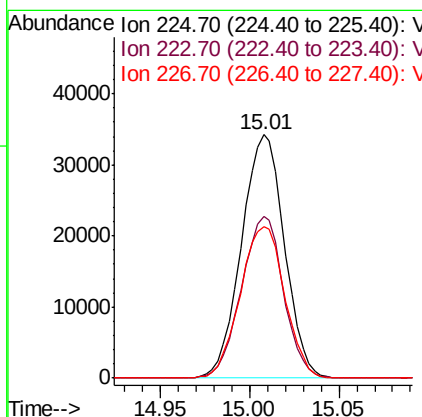
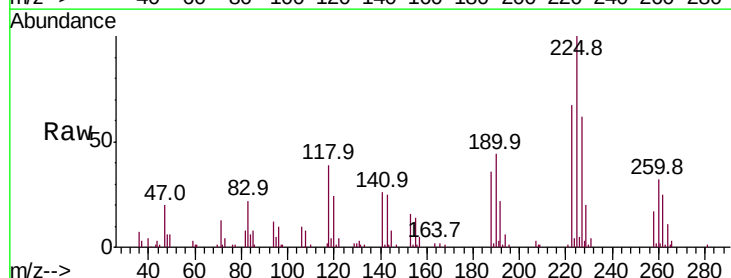
Manual Integrations
 APPROVED

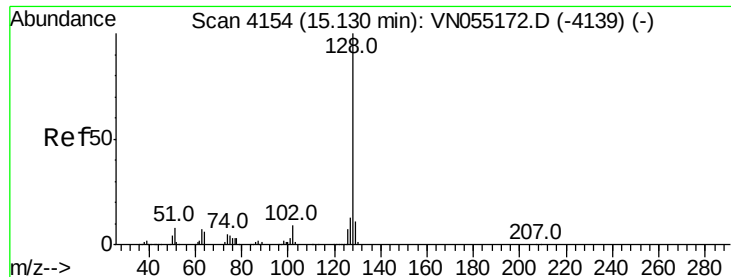
MMDadoda
 4/24/2019 12:45:01 PM



#94
 Hexachlorobutadiene
 Concen: 22.066 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055195.D
 Acq: 23 Apr 2019 10:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	32.2	96.6
227	64.4	32.6	98.0





#95

Naphthalene

Concen: 17.700 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_N

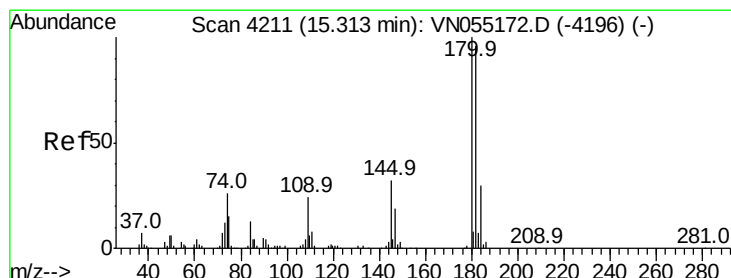
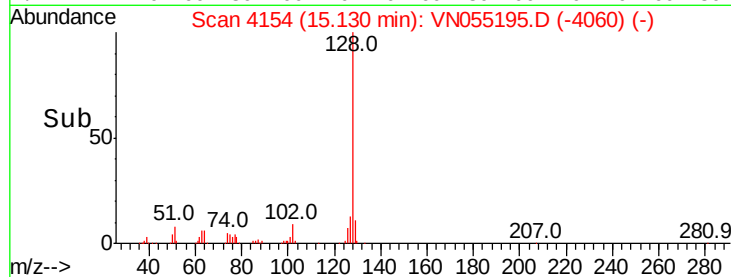
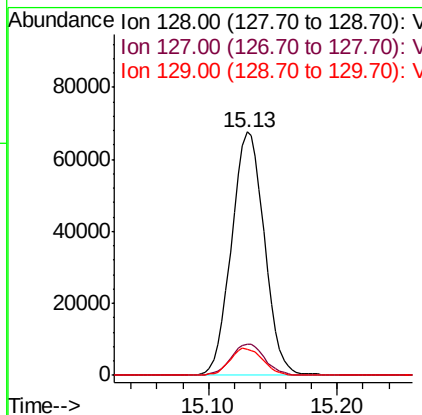
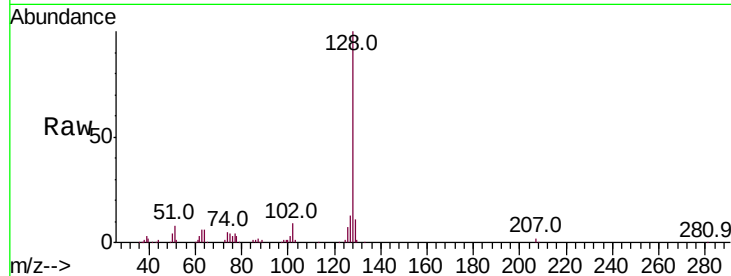
ClientSampleId :

VN0423WBS01

Tot Ion:	128	Resp:	119839
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:45:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.588 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055195.D

Acq: 23 Apr 2019 10:33

Tgt Ion:	180	Resp:	60989
Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.2	141.6
145	29.6	15.4	46.1

