

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056454.D
 Acq On : 24 Jun 2019 14:36
 Operator : JC/SP
 Sample : VN0624WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:14:23 AM

Quant Time: Jun 25 01:55:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	365889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	573851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	492400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177673	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	211449	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
35) Dibromofluoromethane	7.59	113	183066	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	10.09	98	678773	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.40	95	217198	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	60140	19.412	ug/l	96
3) Chloromethane	2.06	50	78304	18.562	ug/l	98
4) Vinyl Chloride	2.18	62	80241	19.694	ug/l	100
5) Bromomethane	2.54	94	51263	21.462	ug/l	97
6) Chloroethane	2.69	64	48174	20.417	ug/l	96
7) Trichlorofluoromethane	3.01	101	105683	20.052	ug/l	99
8) Diethyl Ether	3.41	74	45564	20.427	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66751	19.860	ug/l	99
10) Methyl Iodide	3.95	142	88922	19.575	ug/l	99
11) Tert butyl alcohol	4.79	59	78533	114.983	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	64838	20.060	ug/l	99
13) Acrolein	3.61	56	54845	95.276	ug/l	99
14) Allyl chloride	4.32	41	106599	19.812	ug/l	98
15) Acrylonitrile	4.99	53	194604	102.992	ug/l	99
16) Acetone	3.82	43	178281	87.750	ug/l	99
17) Carbon Disulfide	4.05	76	128106	17.426	ug/l	99
18) Methyl Acetate	4.33	43	91692	22.566	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	221123	20.675	ug/l	99
20) Methylene Chloride	4.55	84	79400	20.200	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	69504	19.945	ug/l	94
22) Diisopropyl ether	5.95	45	233597	20.673	ug/l	99
23) Vinyl Acetate	5.90	43	951136	106.721	ug/l	99
24) 1,1-Dichloroethane	5.85	63	135428	20.879	ug/l	100
25) 2-Butanone	6.84	43	264203	98.254	ug/l	96
26) 2,2-Dichloropropane	6.82	77	82016	18.180	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	83622	20.510	ug/l	98
28) Bromochloromethane	7.20	49	67723	21.109	ug/l	97
29) Tetrahydrofuran	7.21	42	177467	107.998	ug/l	99
30) Chloroform	7.37	83	133504	20.858	ug/l	100
31) Cyclohexane	7.65	56	122439	19.553	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	102853	20.273	ug/l	98
36) 1,1-Dichloropropene	7.79	75	94465	18.703	ug/l	98
37) Ethyl Acetate	6.93	43	103389	20.829	ug/l	98
38) Carbon Tetrachloride	7.77	117	86878	19.669	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056454.D
 Acq On : 24 Jun 2019 14:36
 Operator : JC/SP
 Sample : VN0624WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0624WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:14:23 AM

Quant Time: Jun 25 01:55:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	112633	18.072	ug/l	97
40) Benzene	8.04	78	307563	19.796	ug/l	98
41) Methacrylonitrile	7.17	41	40821	18.624	ug/l #	92
42) 1,2-Dichloroethane	8.12	62	102788	20.047	ug/l	100
43) Isopropyl Acetate	8.17	43	164675	21.515	ug/l	99
44) Trichloroethene	8.84	130	82214	19.644	ug/l	98
45) 1,2-Dichloropropane	9.12	63	83527	20.103	ug/l	96
46) Dibromomethane	9.21	93	53083	20.420	ug/l	100
47) Bromodichloromethane	9.40	83	95028	20.611	ug/l	100
48) Methyl methacrylate	9.20	41	75477	19.678	ug/l	99
49) 1,4-Dioxane	9.20	88	31030	389.843	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	501116	101.437	ug/l	100
52) Toluene	10.16	92	187781	19.769	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	92236	19.075	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	111148	20.019	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	78641	20.597	ug/l	98
56) Ethyl methacrylate	10.43	69	112711	20.200	ug/l	99
57) 1,3-Dichloropropane	10.71	76	129984	20.265	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	164665	82.145	ug/l	100
59) 2-Hexanone	10.75	43	350828	96.624	ug/l	100
60) Dibromochloromethane	10.90	129	71505	19.734	ug/l	99
61) 1,2-Dibromoethane	11.00	107	78455	20.119	ug/l	98
64) Tetrachloroethene	10.63	164	81888	21.000	ug/l	97
65) Chlorobenzene	11.43	112	197911	20.003	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	70487	21.079	ug/l	97
67) Ethyl Benzene	11.51	91	342071	19.690	ug/l	99
68) m/p-Xylenes	11.62	106	251229	39.460	ug/l	99
69) o-Xylene	11.95	106	126068	20.015	ug/l	98
70) Styrene	11.96	104	199227	19.788	ug/l	100
71) Bromoform	12.13	173	46999	19.470	ug/l #	98
73) Isopropylbenzene	12.25	105	333419	23.564	ug/l	100
74) N-amyl acetate	12.07	43	119327	21.103	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	105720	23.990	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	89837m	24.385	ug/l	
77) Bromobenzene	12.53	156	84697	21.319	ug/l	100
78) n-propylbenzene	12.59	91	337555	20.746	ug/l	100
79) 2-Chlorotoluene	12.67	91	214720	22.685	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	264499	22.408	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22399	21.609	ug/l	99
82) 4-Chlorotoluene	12.77	91	192996	20.089	ug/l	99
83) tert-Butylbenzene	12.99	119	242331	23.403	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	249894	20.893	ug/l	99
85) sec-Butylbenzene	13.17	105	300538	21.015	ug/l	99
86) p-Isopropyltoluene	13.29	119	249358	20.317	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	121563	20.191	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	112506	19.295	ug/l	100
89) n-Butylbenzene	13.61	91	164722	17.729	ug/l	99
90) Hexachloroethane	13.87	117	41179	21.521	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	123417	20.661	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13682	20.812	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
Data File : VN056454.D
Acq On : 24 Jun 2019 14:36
Operator : JC/SP
Sample : VN0624WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:14:23 AM

Quant Time: Jun 25 01:55:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	38147	16.500	ug/l	99
94) Hexachlorobutadiene	15.01	225	44922	21.106	ug/l	100
95) Naphthalene	15.13	128	109084	17.255	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46363	17.577	ug/l	97

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

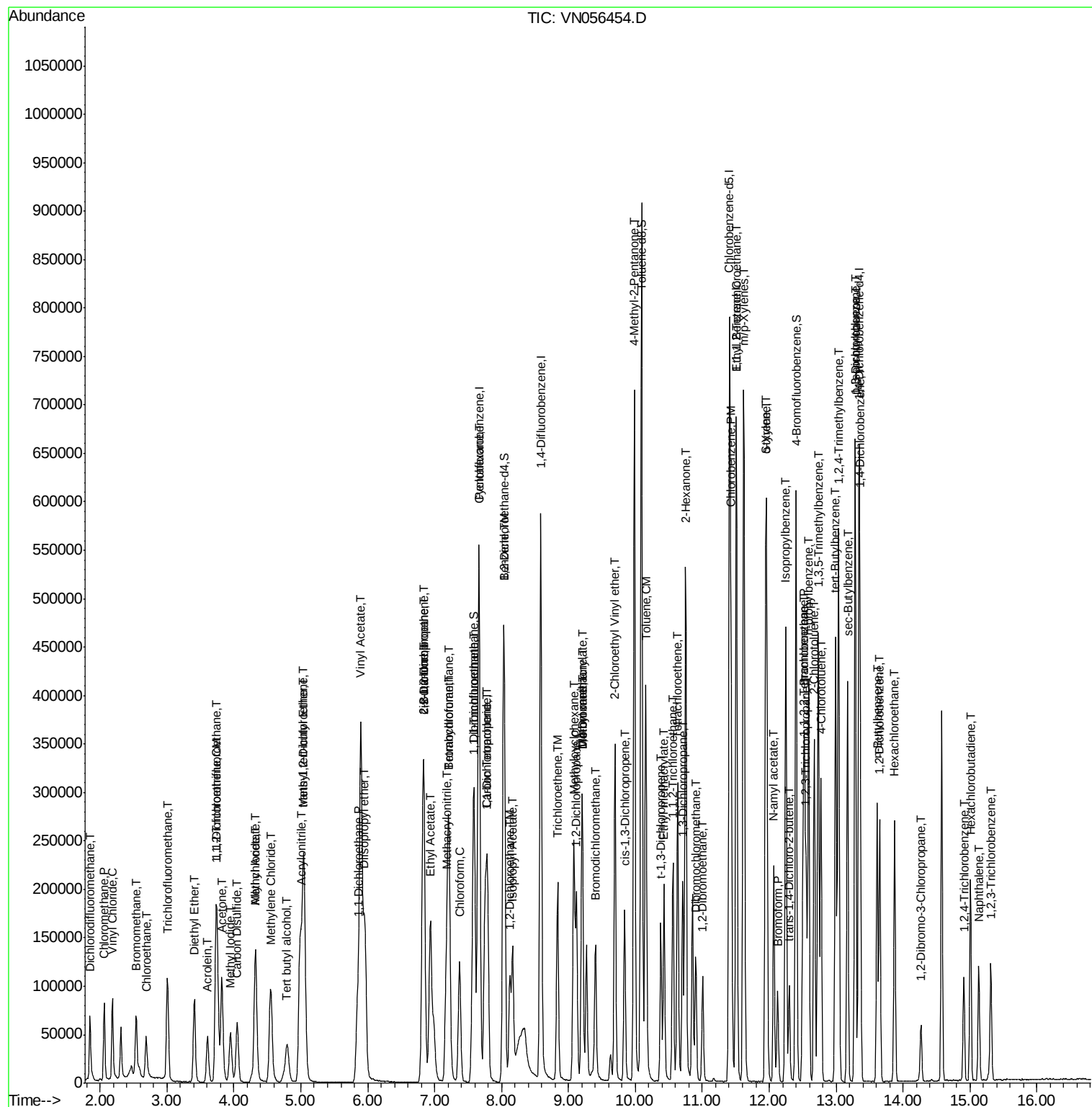
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056454.D
 Acq On : 24 Jun 2019 14:36
 Operator : JC/SP
 Sample : VN0624WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

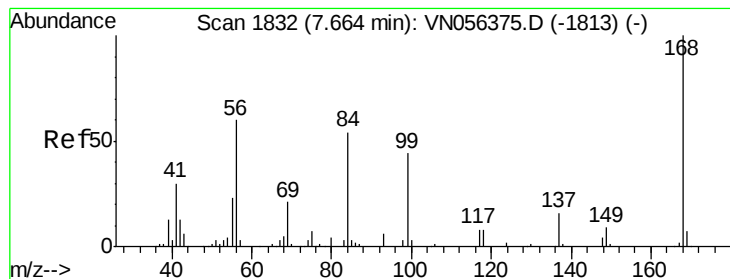
Instrument :
 MSVOA_N
 Client Sampled :
 VN0624WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:14:23 AM

Quant Time: Jun 25 01:55:36 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBSD01

Tot Ion:168 Resp: 365889

Ion Ratio Lower Upper

168 100

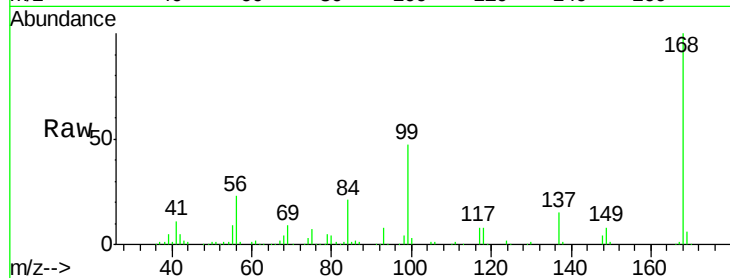
99 46.8 40.6 61.0

Manual Integrations

APPROVED

MMDadoda

6/26/2019 8:14:23 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

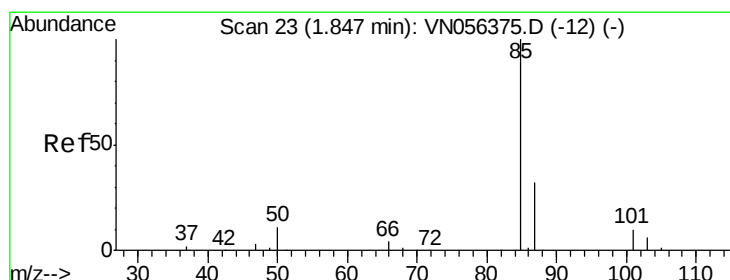
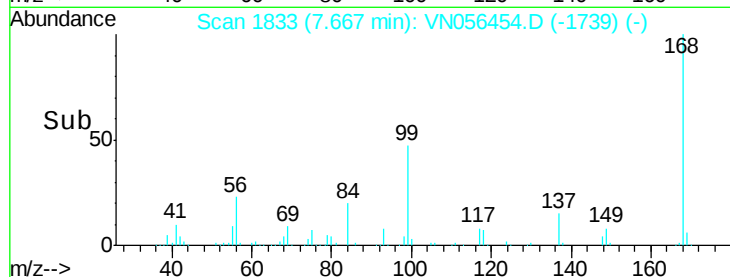
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.412 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056454.D

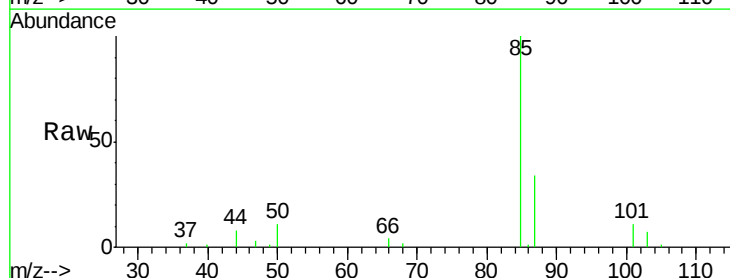
Acq: 24 Jun 2019 14:36

Tgt Ion: 85 Resp: 60140

Ion Ratio Lower Upper

85 100

87 34.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

40000

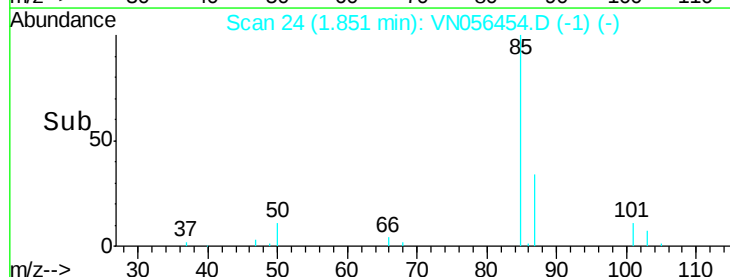
30000

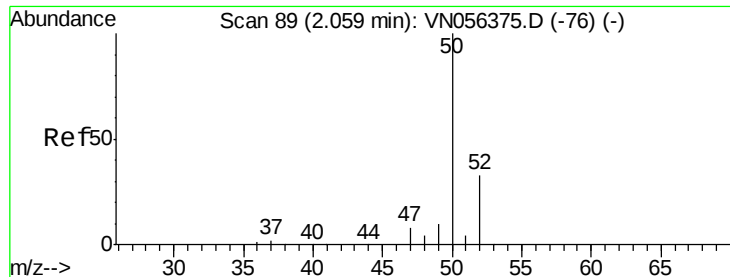
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.562 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBSD01

Tot Ion: 50 Resp: 78304

Ion Ratio Lower Upper

50 100

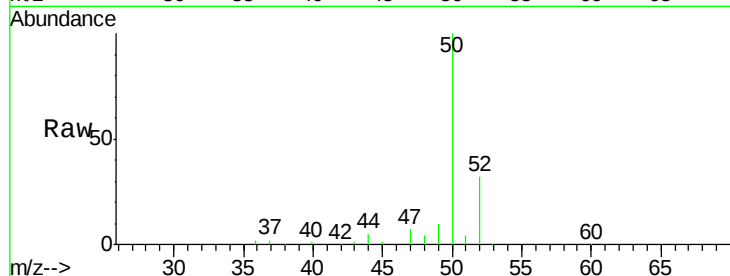
52 32.1 26.5 39.7

Manual Integrations

APPROVED

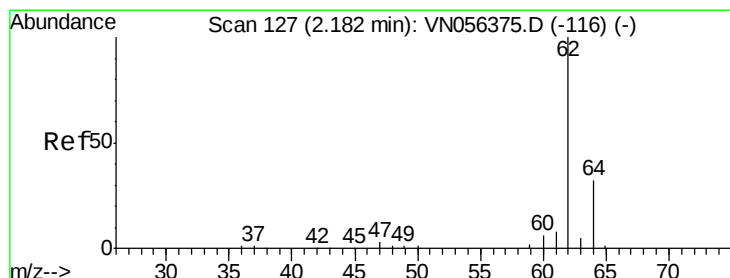
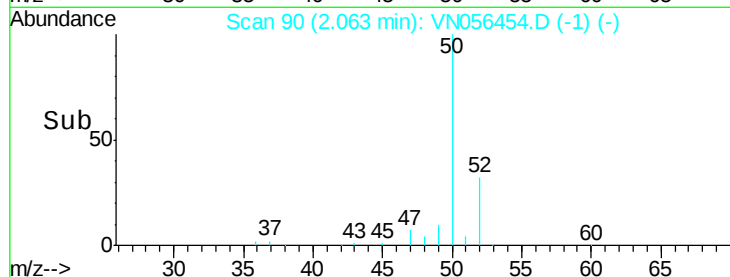
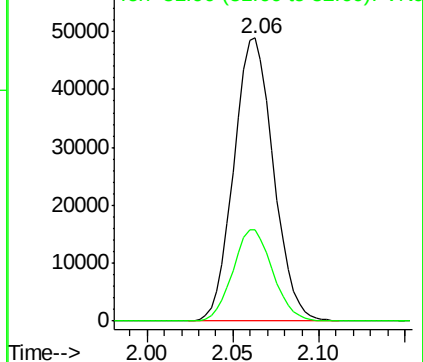
MMDadoda

6/26/2019 8:14:23 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.694 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056454.D

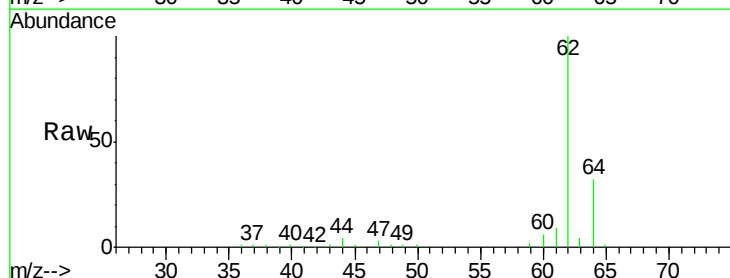
Acq: 24 Jun 2019 14:36

Tgt Ion: 62 Resp: 80241

Ion Ratio Lower Upper

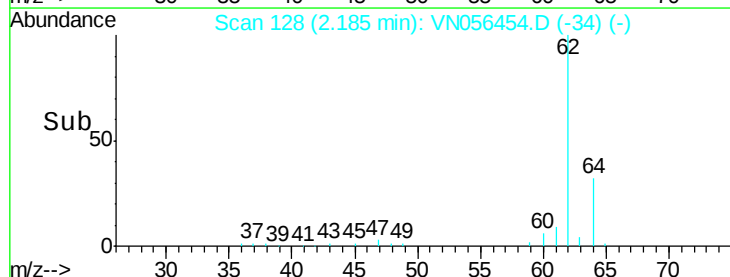
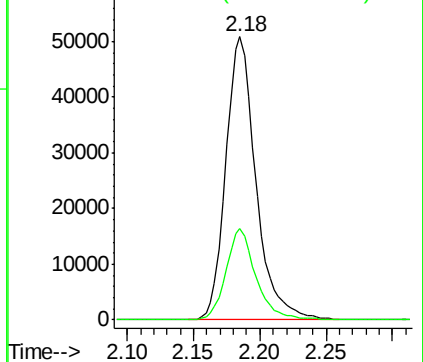
62 100

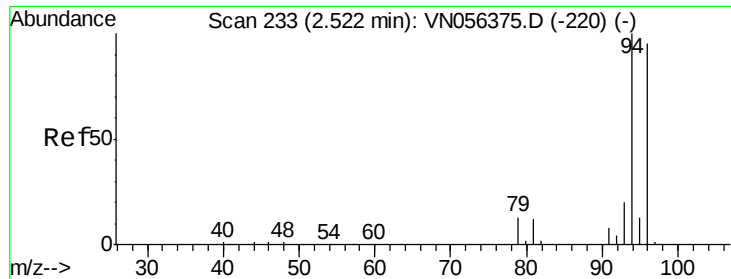
64 32.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.462 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.02 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

ClientSampleID :

VN0624WBSD01

Tot Ion: 94 Resp: 51263

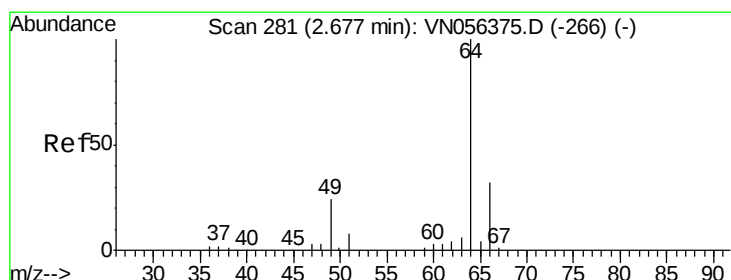
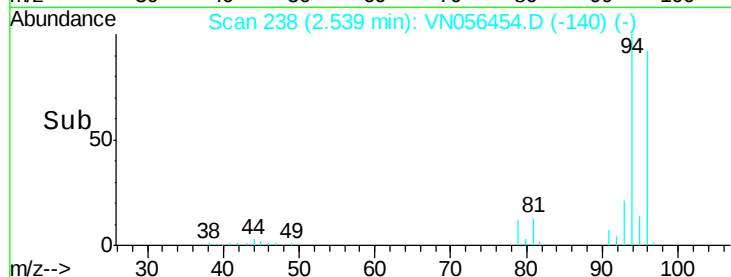
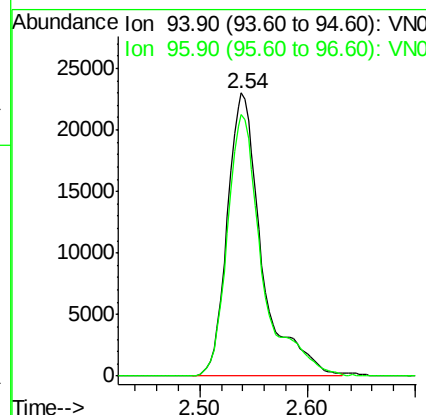
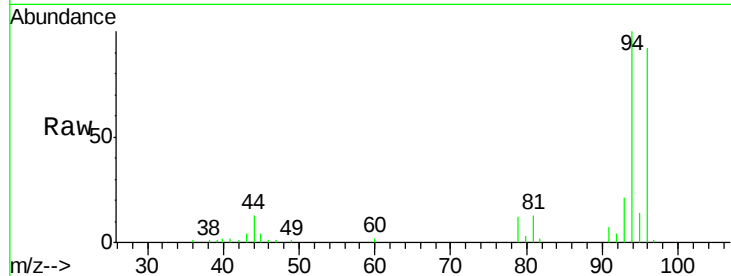
Ion Ratio Lower Upper

94 100

96 92.4 76.0 114.0

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:14:23 AM



#6

Chloroethane

Concen: 20.417 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN056454.D

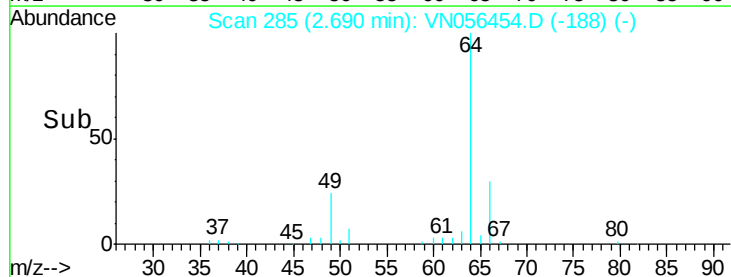
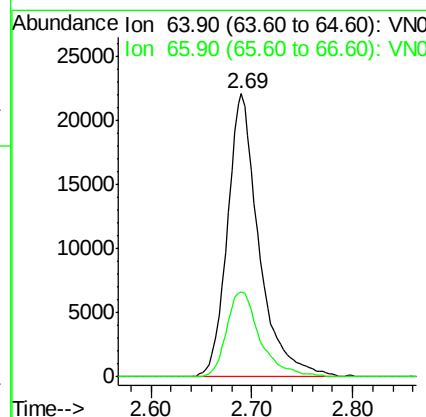
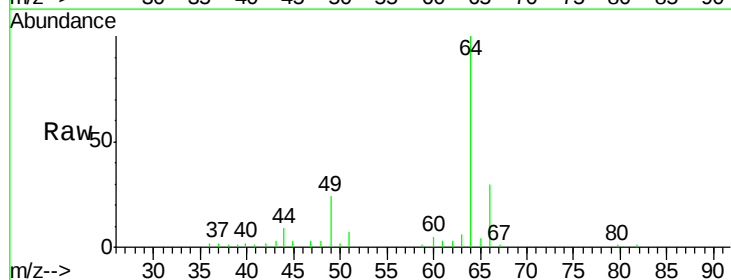
Acq: 24 Jun 2019 14:36

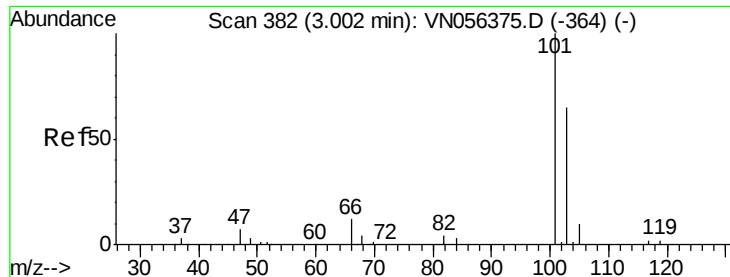
Tgt Ion: 64 Resp: 48174

Ion Ratio Lower Upper

64 100

66 30.2 25.8 38.8





#7

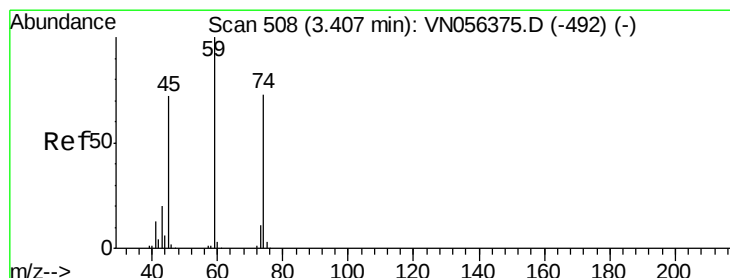
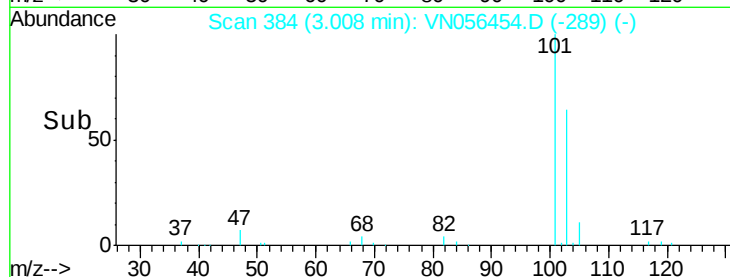
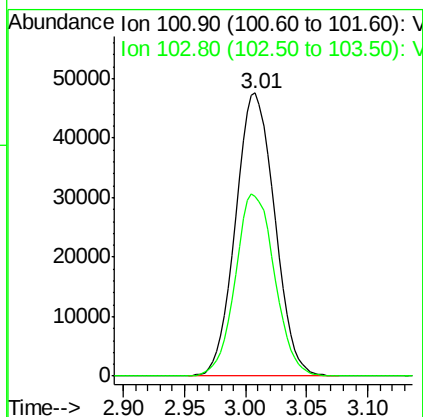
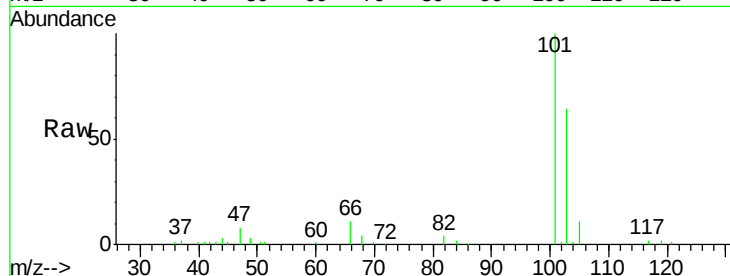
Trichlorofluoromethane
Concen: 20.052 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.01 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion:101 Resp: 105683
Ion Ratio Lower Upper
101 100
103 63.7 51.7 77.5

Manual Integrations
APPROVED

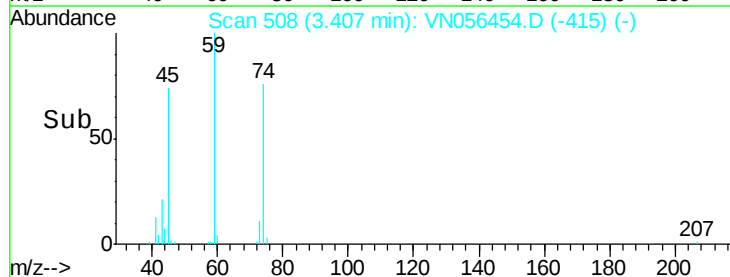
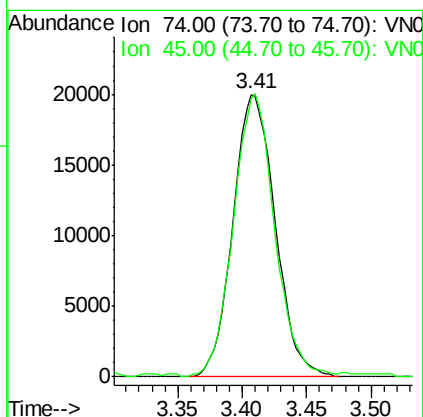
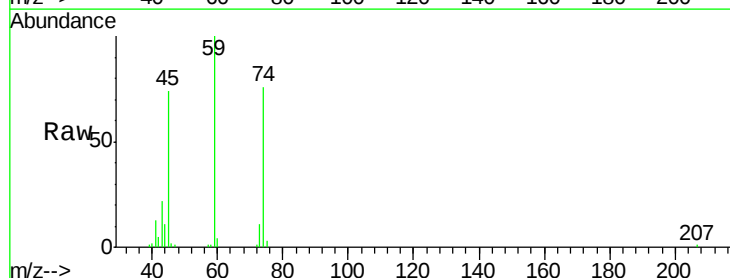
MMDadoda
6/26/2019 8:14:23 AM

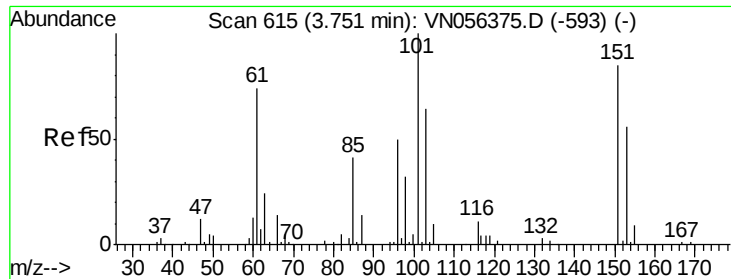


#8

Diethyl Ether
Concen: 20.427 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion: 74 Resp: 45564
Ion Ratio Lower Upper
74 100
45 98.1 48.9 146.6





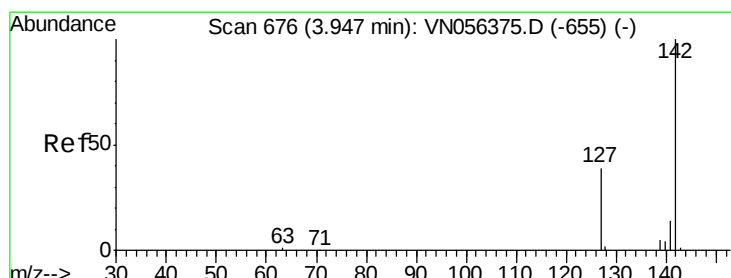
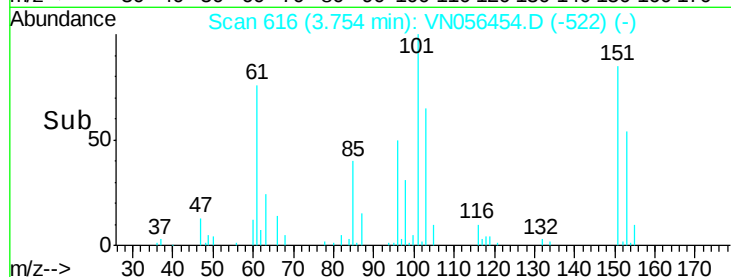
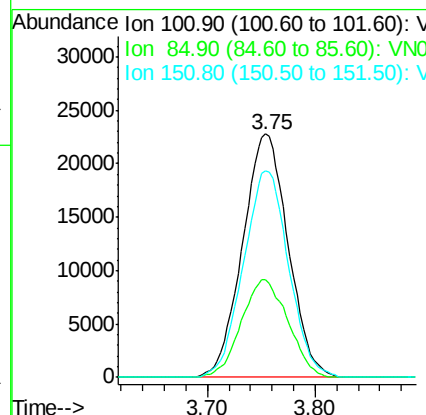
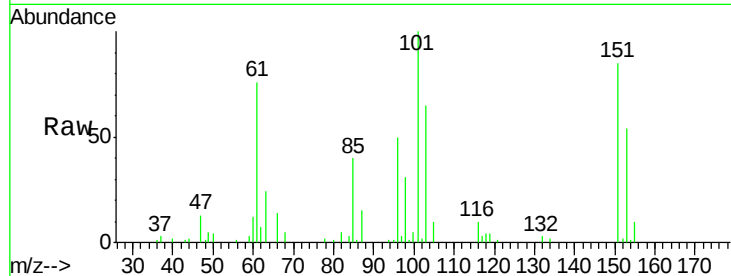
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.860 ug/l
RT: 3.75 min Scan# 616
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.0	32.7	49.1
151	84.3	66.8	100.2

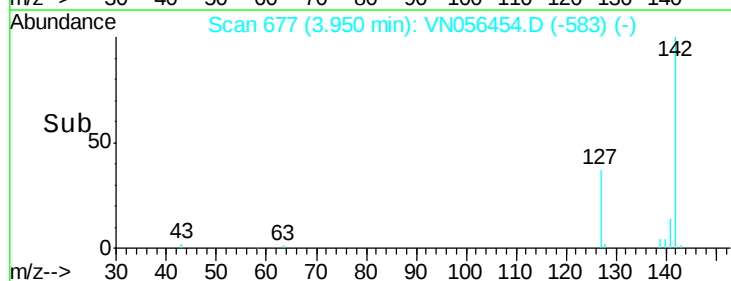
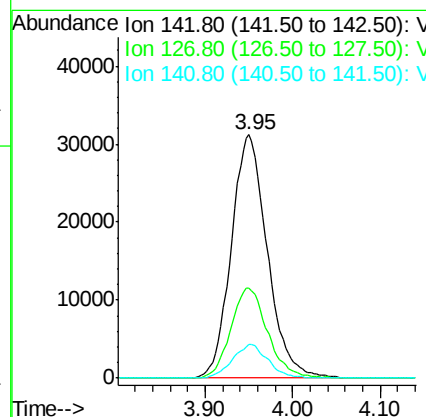
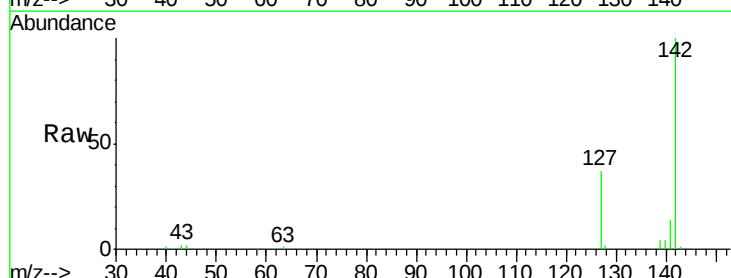
Manual Integrations
APPROVED

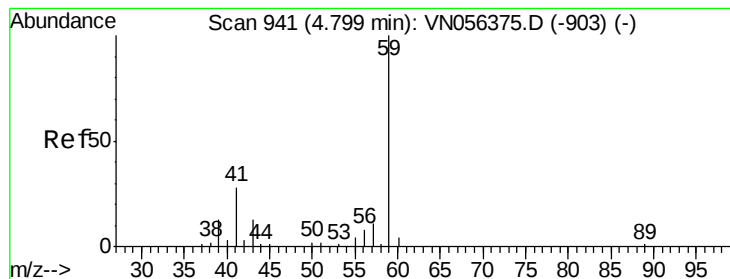
MMDadoda
6/26/2019 8:14:23 AM



#10
Methyl Iodide
Concen: 19.575 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Lower	Upper
142	100		
127	37.8	30.6	46.0
141	13.5	11.4	17.2





#11

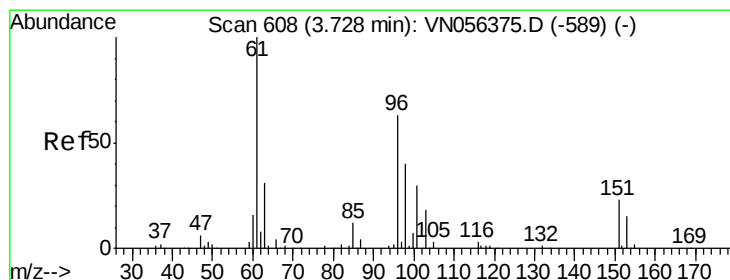
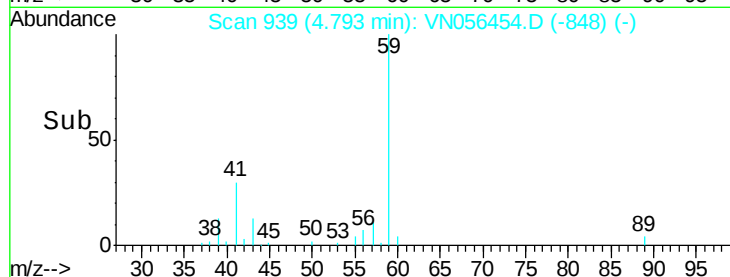
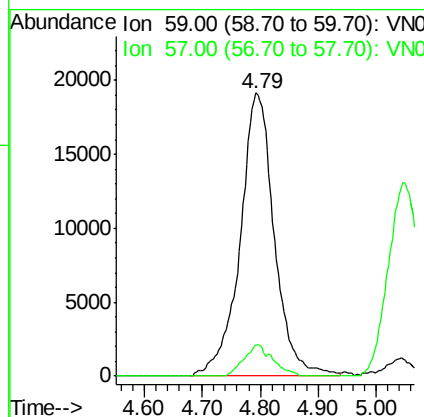
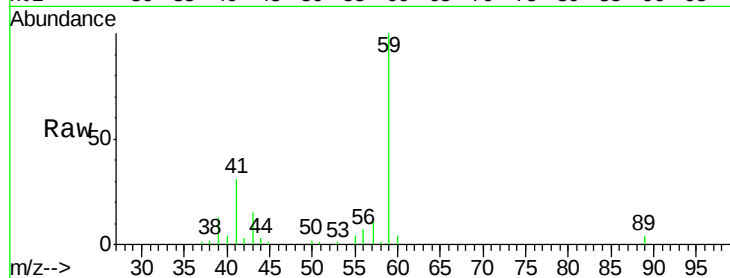
Tert butyl alcohol
 Concen: 114.983 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.8	7.6	11.4#

Manual Integrations
 APPROVED

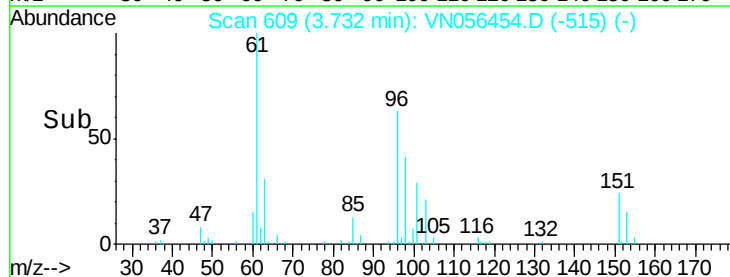
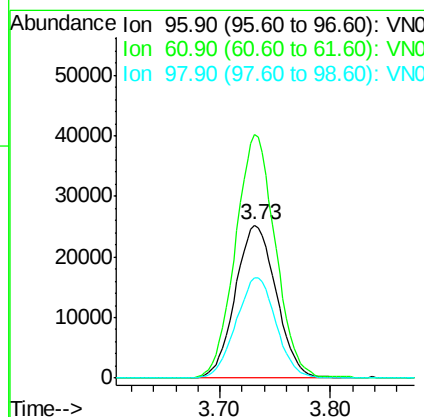
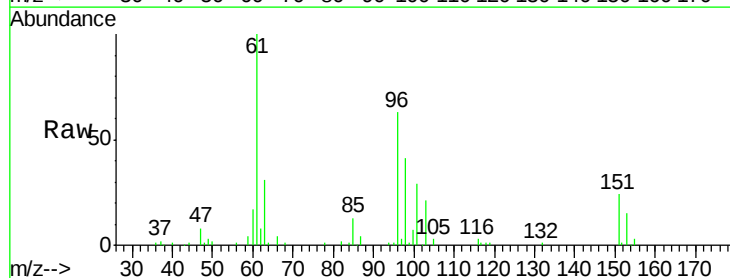
MMDadoda
 6/26/2019 8:14:23 AM

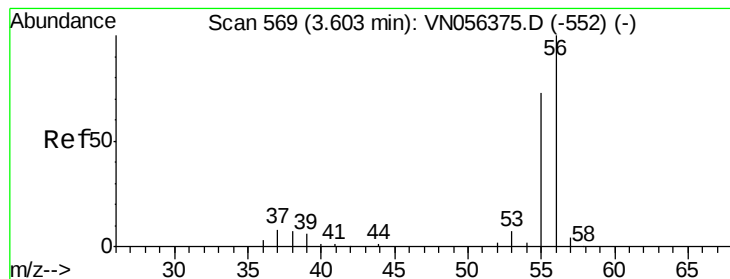


#12

1,1-Dichloroethene
 Concen: 20.060 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.0	126.6	190.0
98	65.7	51.1	76.7





#13

Acrolein

Concen: 95.276 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBSD01

Tot Ion: 56 Resp: 54845

Ion Ratio Lower Upper

56 100

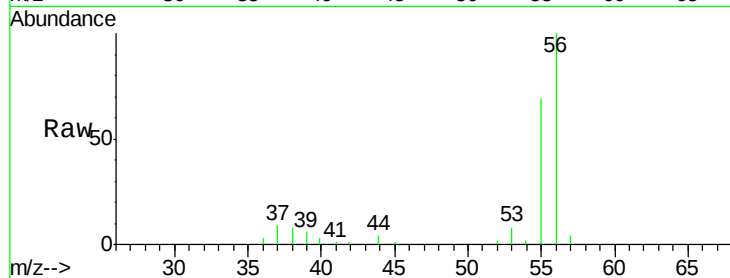
55 70.9 57.1 85.7

Manual Integrations

APPROVED

MMDadoda

6/26/2019 8:14:23 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

15000

10000

5000

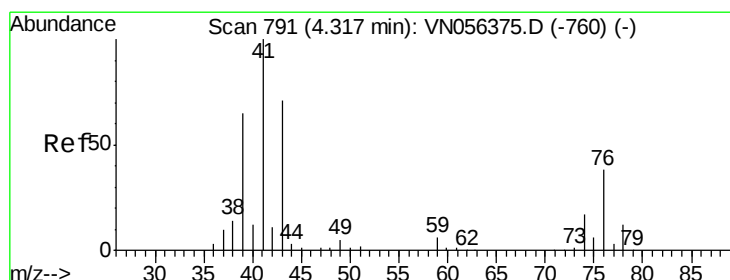
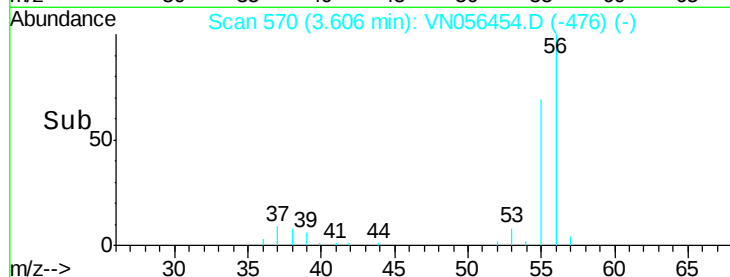
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 19.812 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

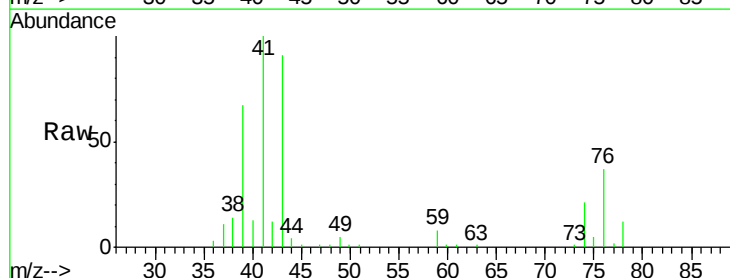
Tgt Ion: 41 Resp: 106599

Ion Ratio Lower Upper

41 100

39 62.2 48.6 73.0

76 34.2 26.6 40.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

40000

30000

20000

10000

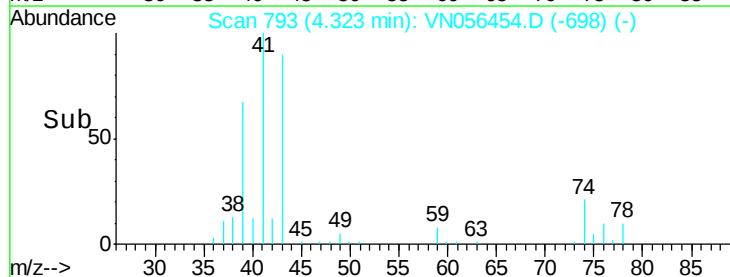
0

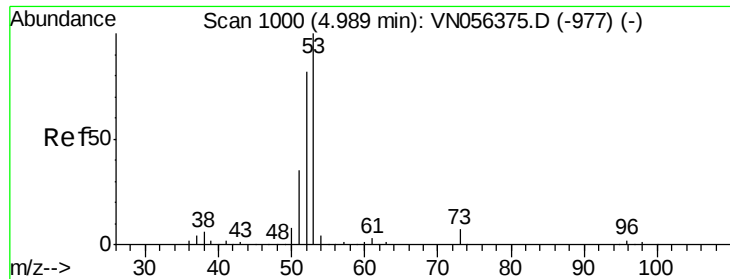
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 102.992 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

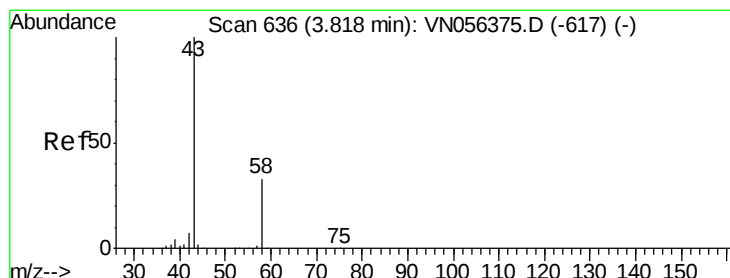
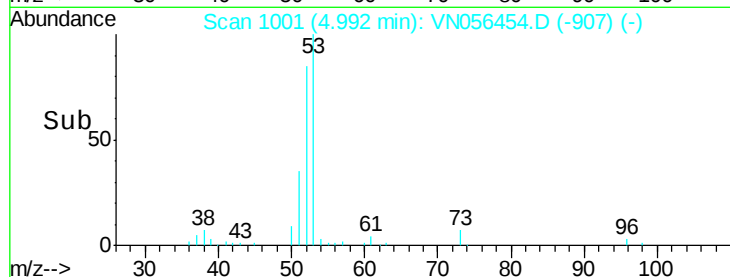
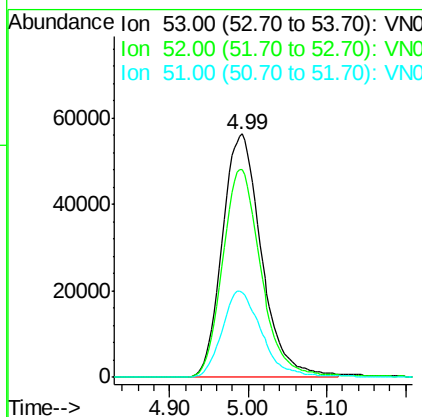
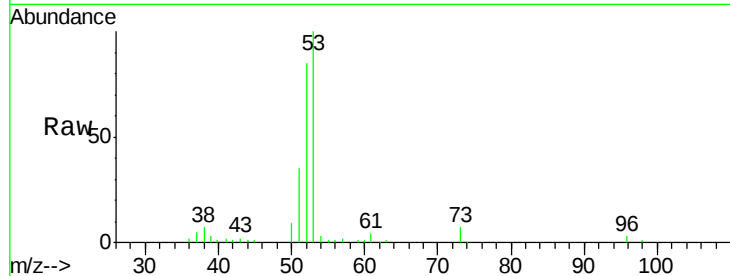
ClientSampleId :

VN0624WBSD01

Tot Ion:	53	Resp:	194604
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.9	98.9
51	35.8	28.3	42.5

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:14:23 AM



#16

Acetone

Concen: 87.750 ug/l

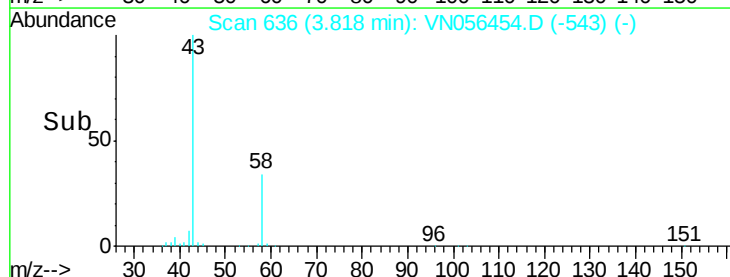
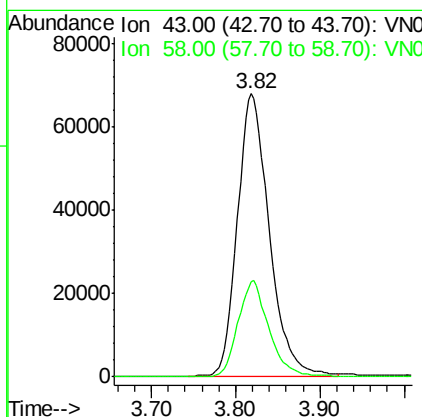
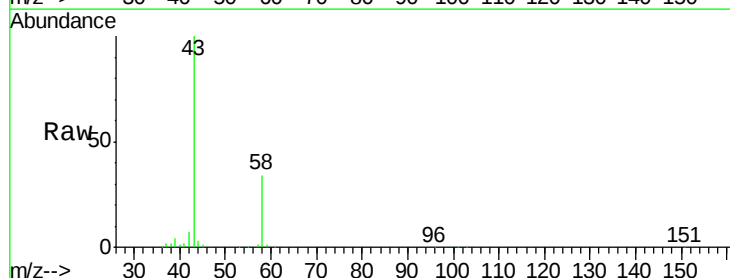
RT: 3.82 min Scan# 636

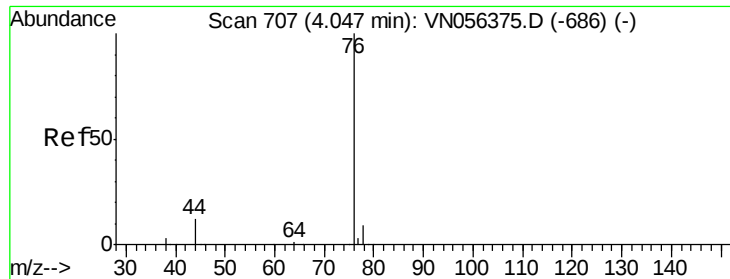
Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Tgt Ion:	43	Resp:	178281
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.4	39.6





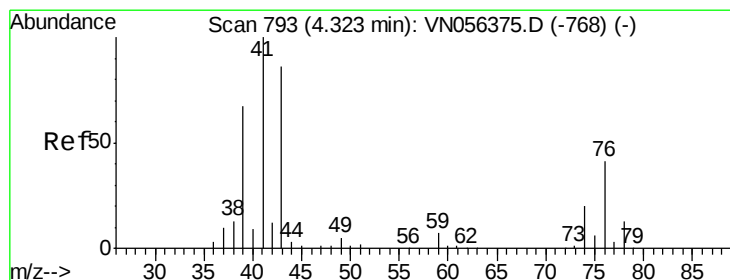
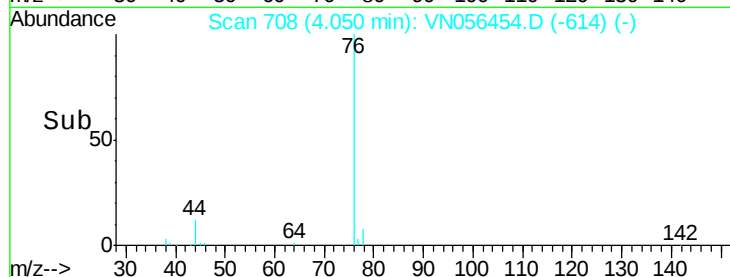
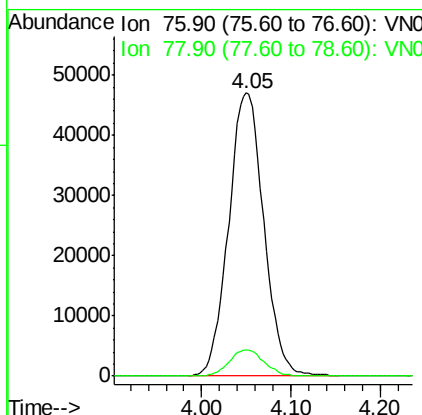
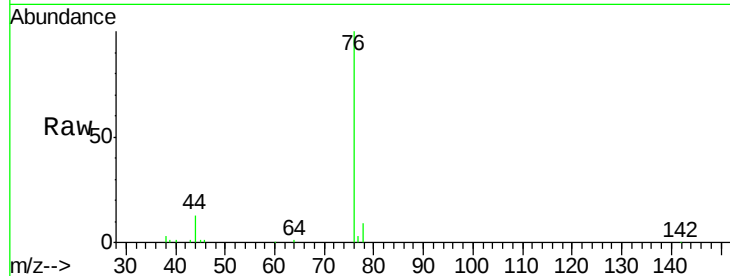
#17
Carbon Disulfide
Concen: 17.426 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

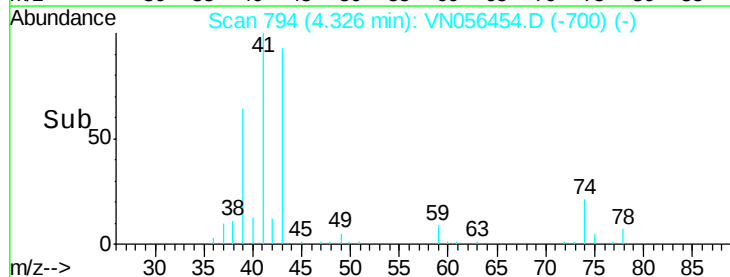
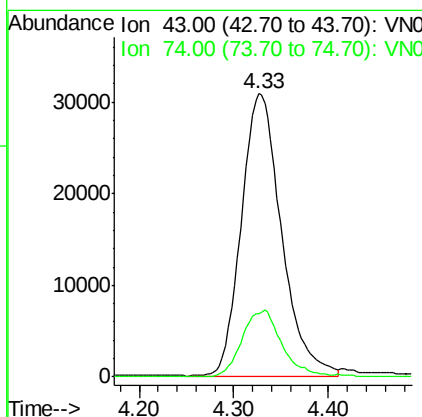
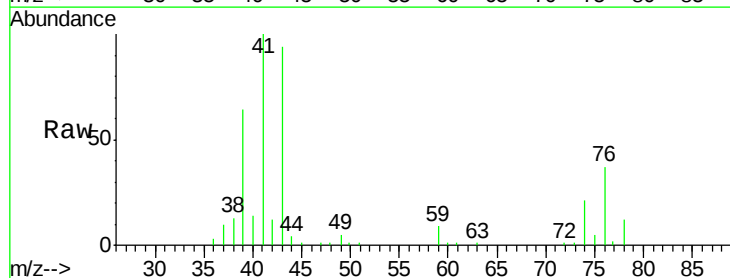
Manual Integrations
APPROVED

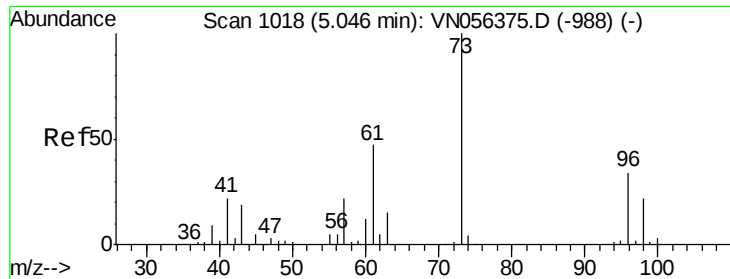
MMDadoda
6/26/2019 8:14:23 AM



#18
Methyl Acetate
Concen: 22.566 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.2	28.8





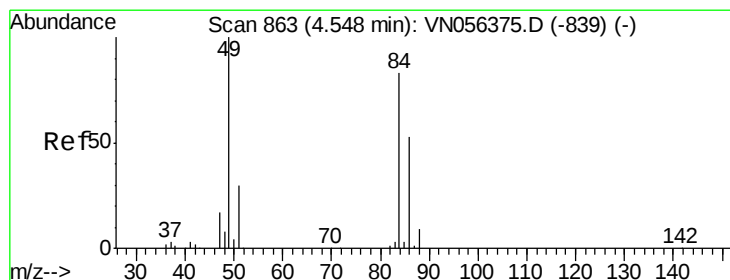
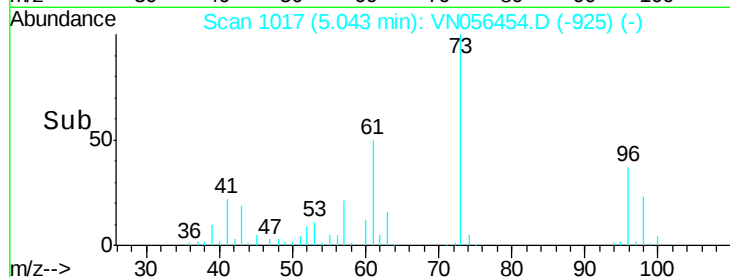
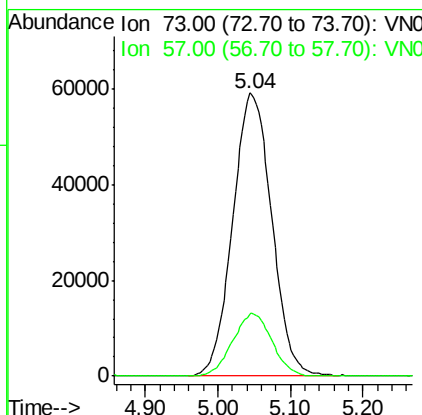
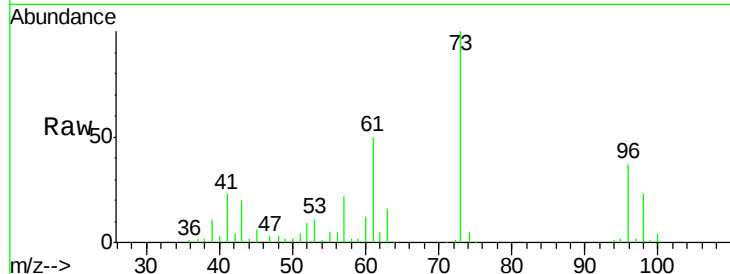
#19
Methvl tert-butvl Ether
Concen: 20.675 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion: 73 Resp: 221123
Ion Ratio Lower Upper
73 100
57 21.7 17.9 26.9

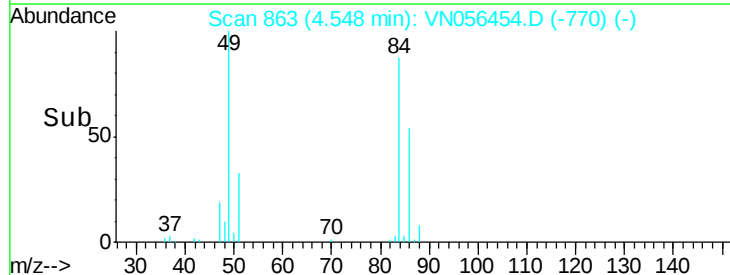
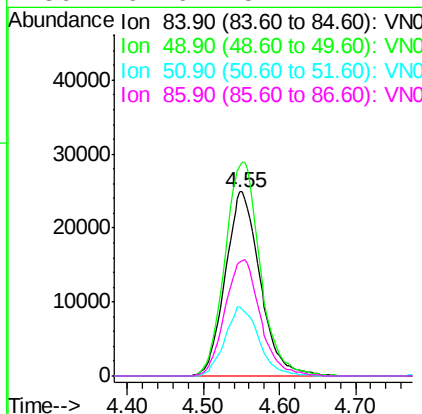
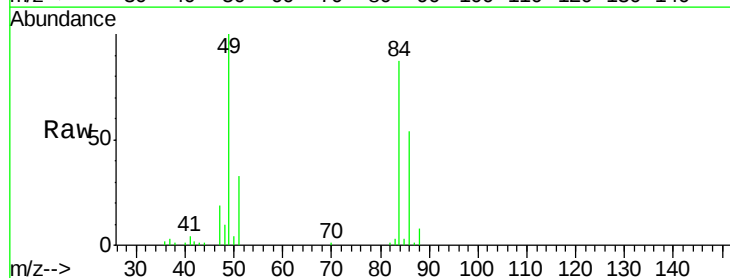
Manual Integrations
APPROVED

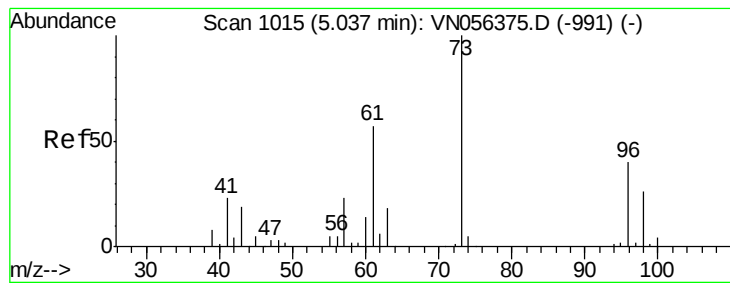
MMDadoda
6/26/2019 8:14:23 AM



#20
Methylene Chloride
Concen: 20.200 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion: 84 Resp: 79400
Ion Ratio Lower Upper
84 100
49 114.3 96.4 144.6
51 37.4 28.6 43.0
86 61.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 19.945 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

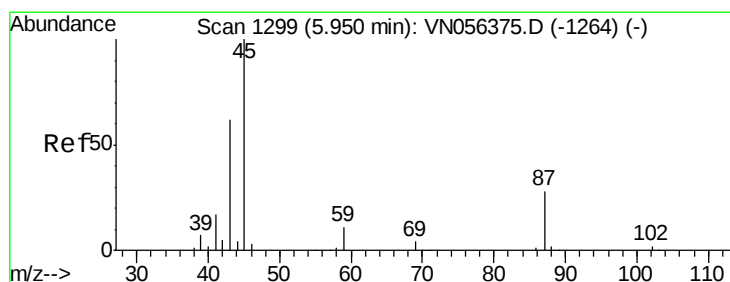
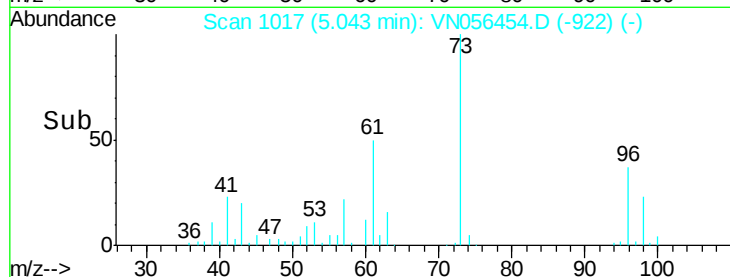
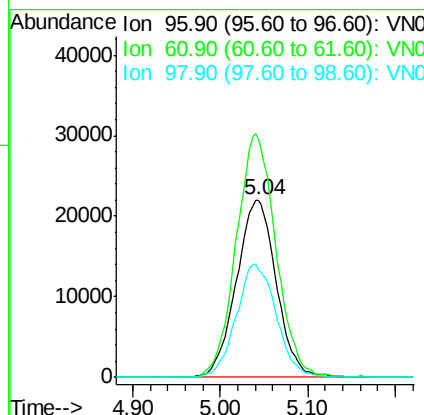
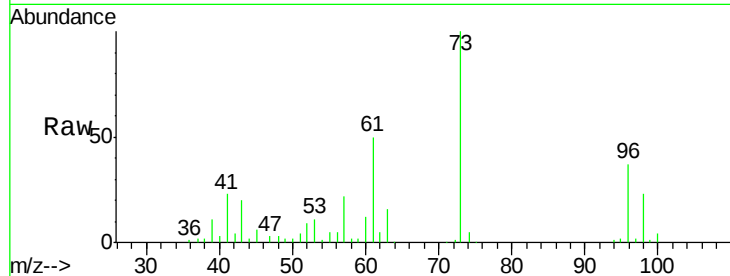
ClientSampleId :

VN0624WBSD01

Tot Ion:	96	Resp:	69504
Ion	Ratio	Lower	Upper
96	100		
61	134.3	113.0	169.6
98	61.1	52.2	78.2

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:14:23 AM



#22

Diisopropyl ether

Concen: 20.673 ug/l

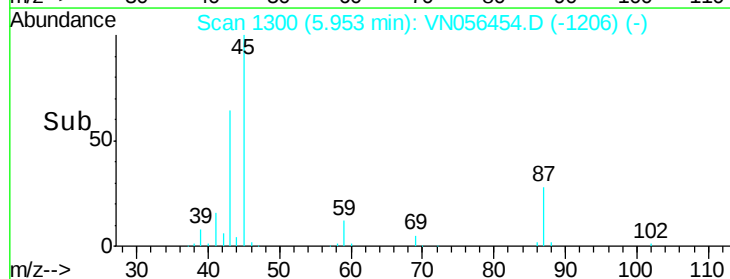
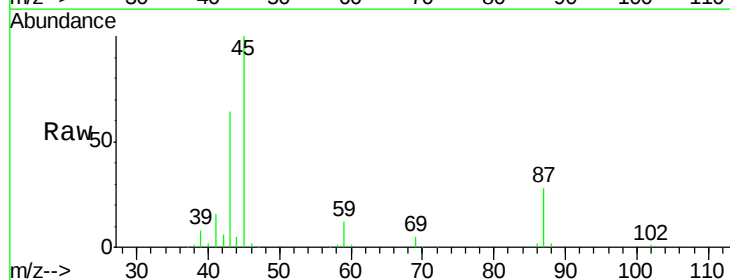
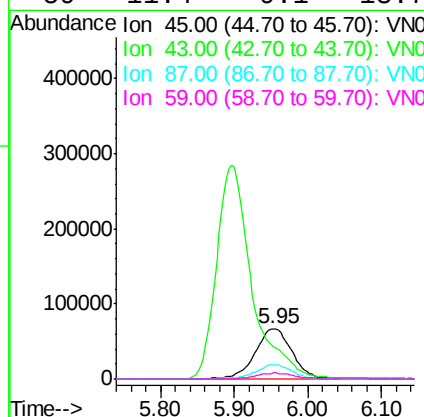
RT: 5.95 min Scan# 1300

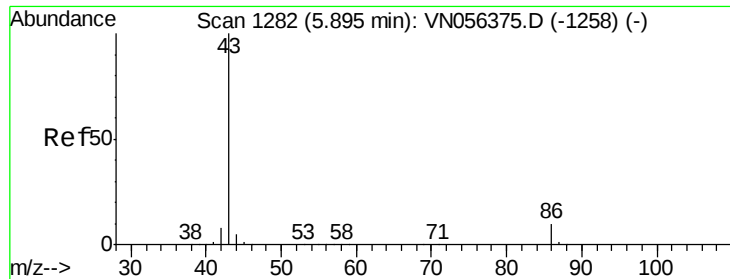
Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Tgt Ion:	45	Resp:	233597
Ion	Ratio	Lower	Upper
45	100		
43	61.8	50.4	75.6
87	27.9	23.0	34.4
59	11.4	9.1	13.7





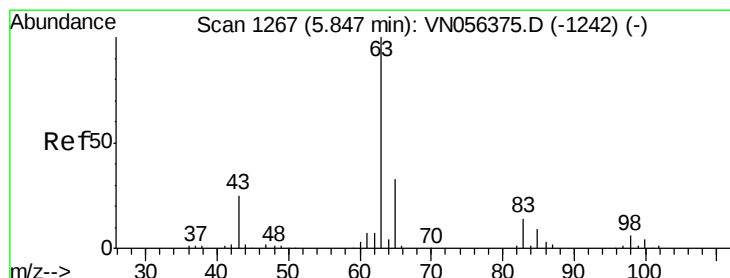
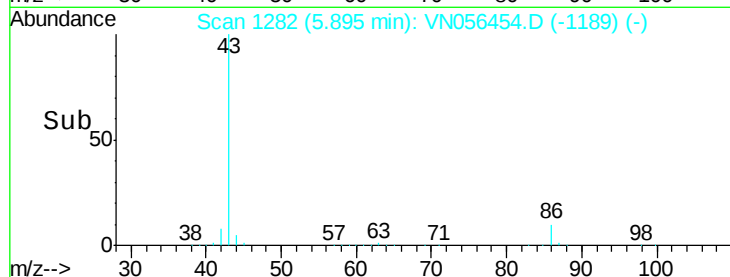
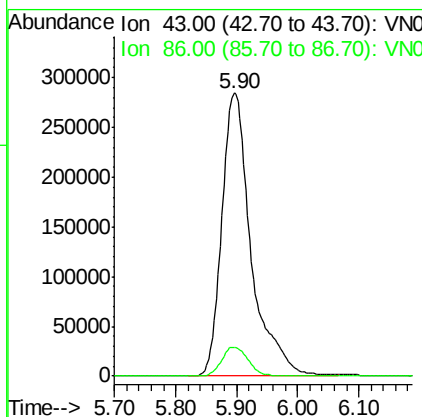
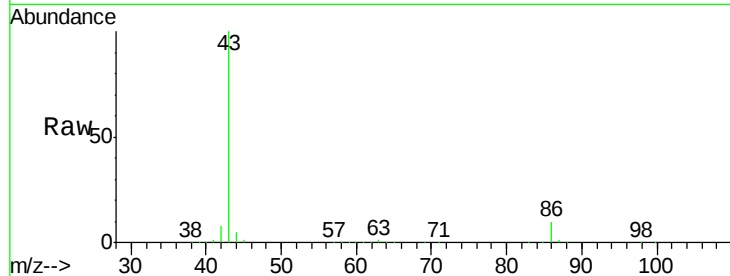
#23
 Vinyl Acetate
 Concen: 106.721 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBSD01

Tot Ion	43	Resp	951136
Ion Ratio	100	Lower	Upper
43	100		
86	10.2	8.3	12.5

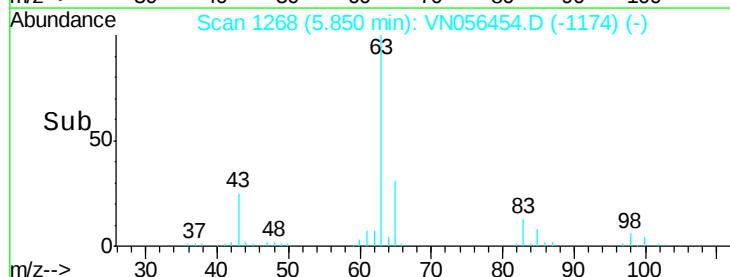
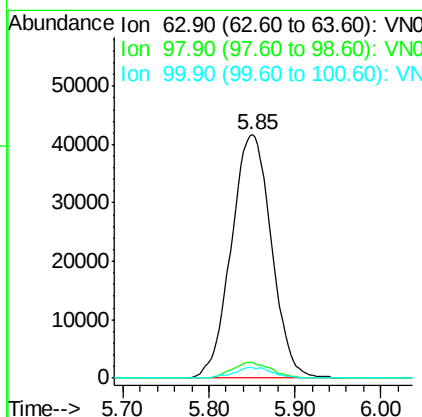
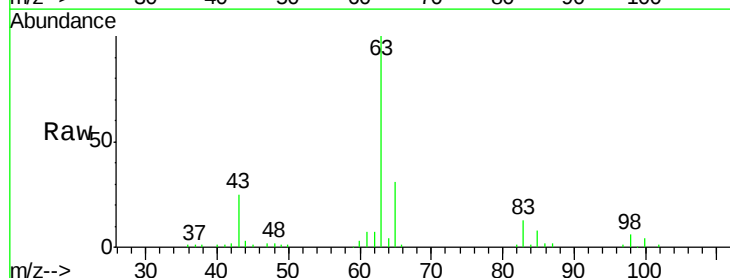
Manual Integrations
 APPROVED

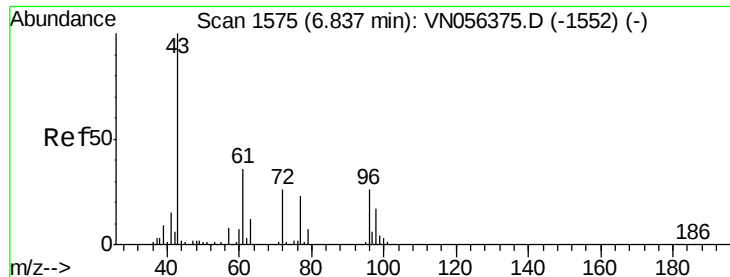
MMDadoda
 6/26/2019 8:14:23 AM



#24
 1,1-Dichloroethane
 Concen: 20.879 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Tgt Ion	63	Resp	135428
Ion Ratio	100	Lower	Upper
63	100		
98	6.4	3.2	9.6
100	4.2	2.1	6.5





#25

2-Butanone

Concen: 98.254 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

ClientSampled :

VN0624WBSD01

Tot Ion: 43 Resp: 264203

Ion Ratio Lower Upper

43 100

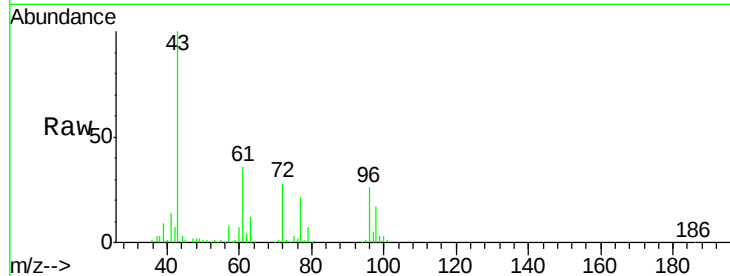
72 27.6 20.6 31.0

Manual Integrations

APPROVED

MMDadoda

6/26/2019 8:14:23 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

100000

80000

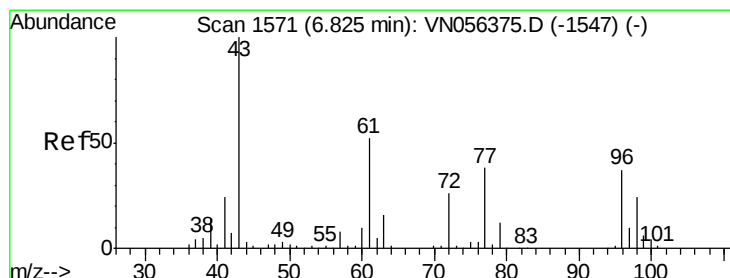
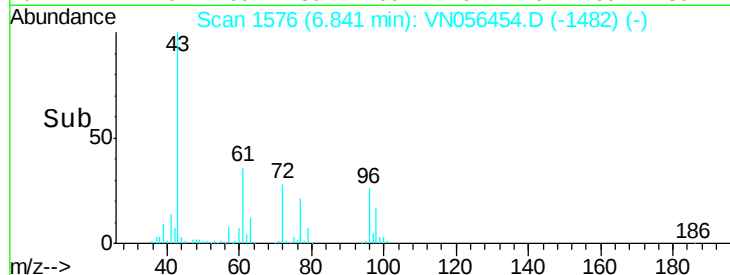
60000

40000

20000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 18.180 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056454.D

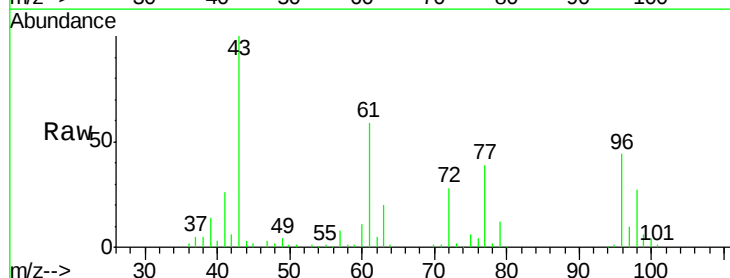
Acq: 24 Jun 2019 14:36

Tgt Ion: 77 Resp: 82016

Ion Ratio Lower Upper

77 100

97 25.0 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

30000

25000

20000

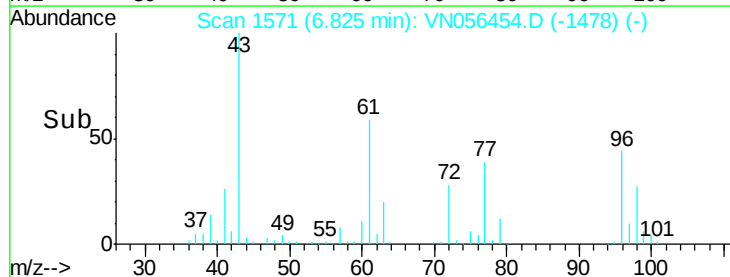
15000

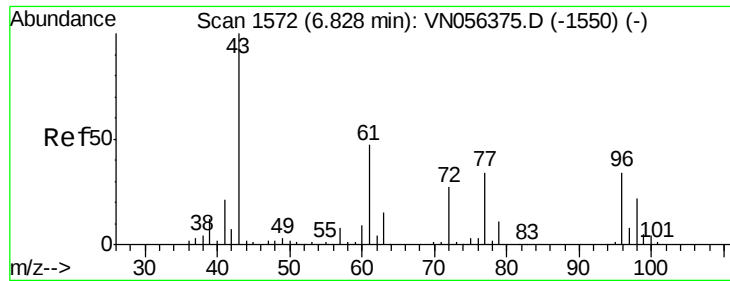
10000

5000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 20.510 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

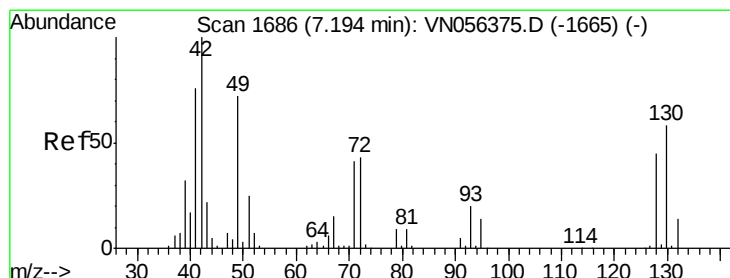
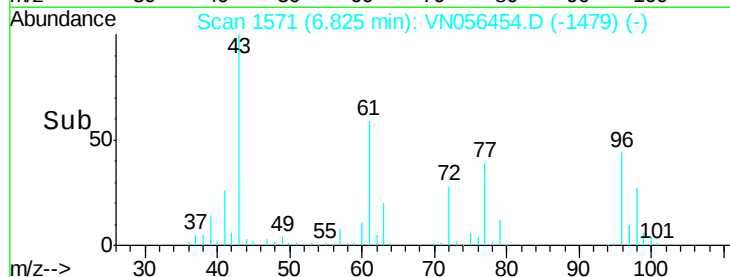
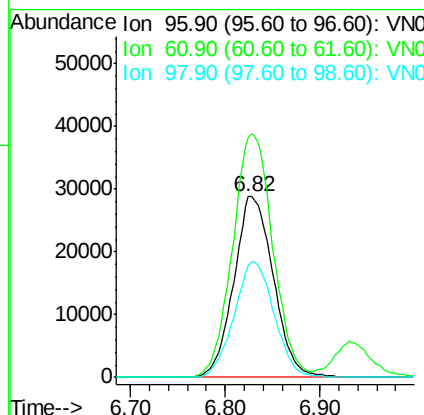
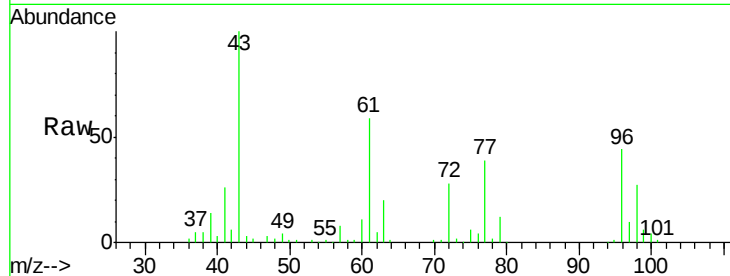
ClientSampleId :

VN0624WBSD01

Tot Ion:	96	Resp:	83622
Ion	Ratio	Lower	Upper
96	100		
61	137.1	0.0	279.8
98	64.7	0.0	130.0

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:14:23 AM



#28

Bromochloromethane

Concen: 21.109 ug/l

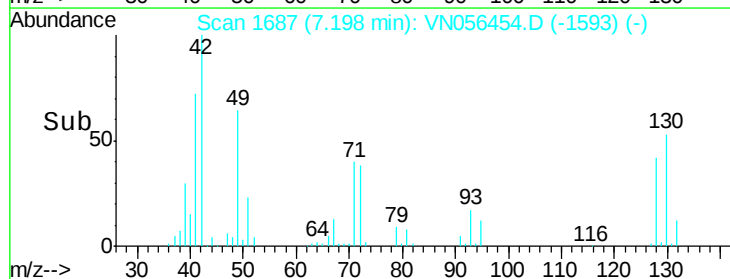
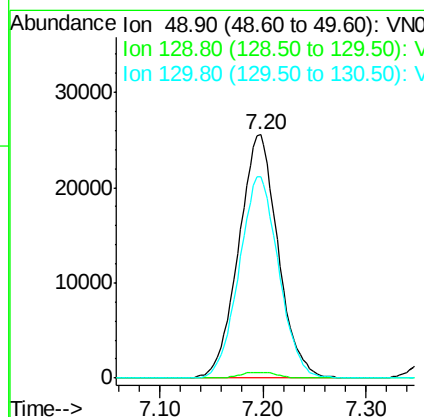
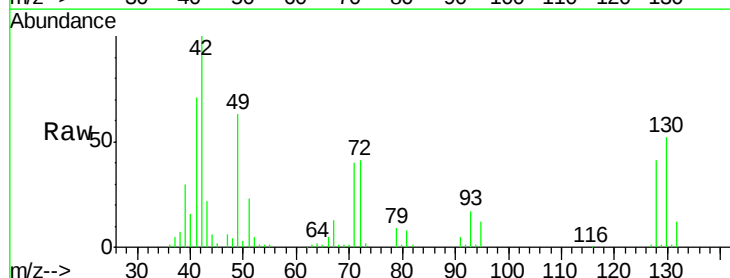
RT: 7.20 min Scan# 1687

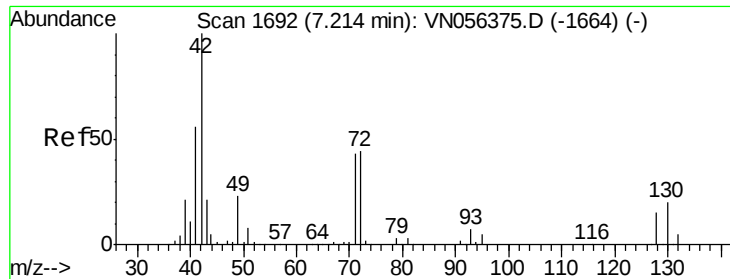
Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Tgt Ion:	49	Resp:	67723
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	83.4	64.9	97.3





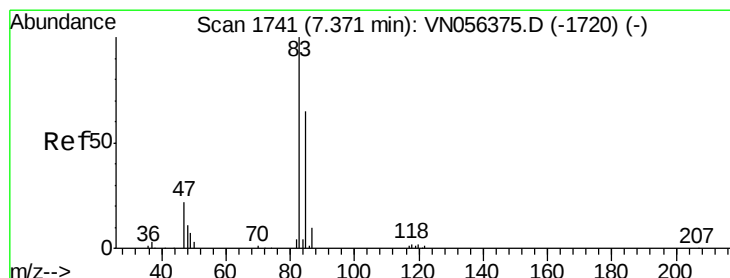
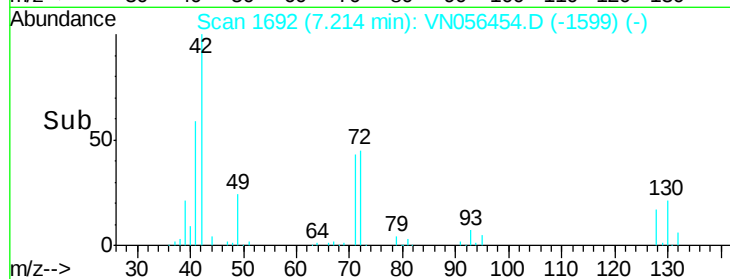
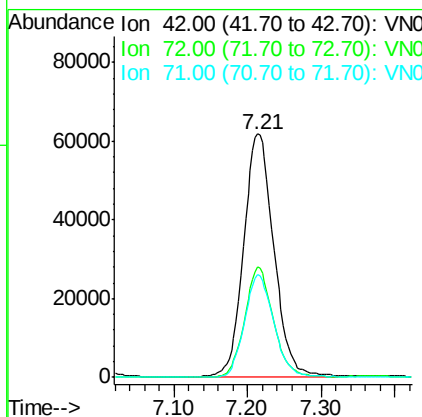
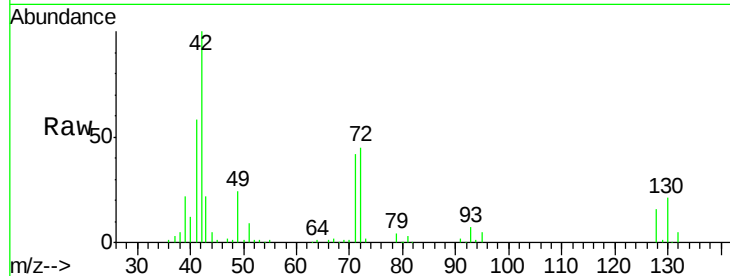
#29
Tetrahydrofuran
Concen: 107.998 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.7	52.1
71	40.7	33.0	49.6

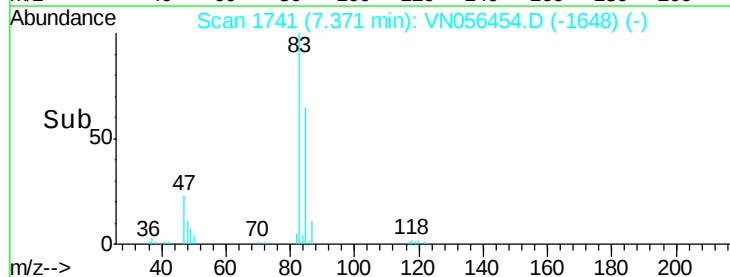
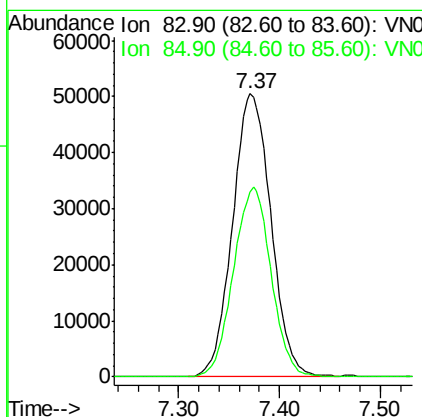
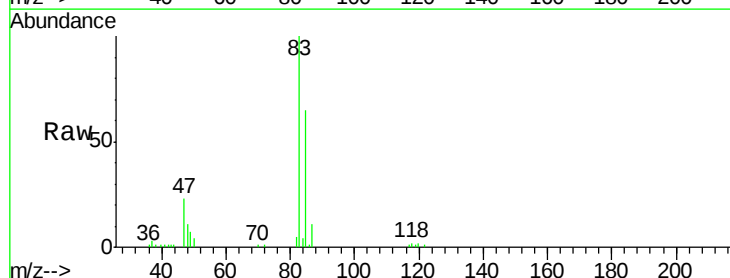
Manual Integrations
APPROVED

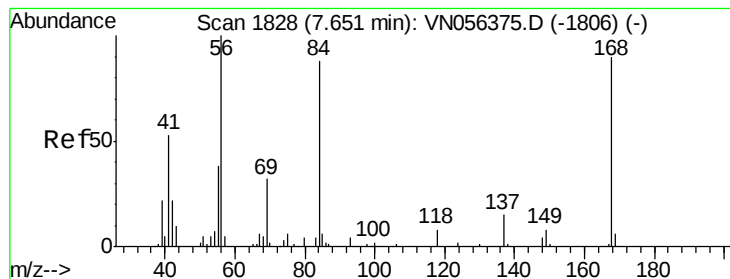
MMDadoda
6/26/2019 8:14:23 AM



#30
Chloroform
Concen: 20.858 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.3	78.5





#31

Cyclohexane

Concen: 19.553 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

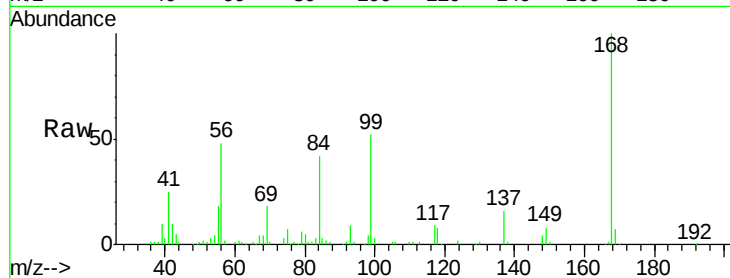
VN0624WBSD01

Tot Ion: 56 Resp: 122439

Ion	Ratio	Lower	Upper
56	100		
69	36.4	25.8	38.6
84	85.3	69.4	104.0

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:14:23 AM

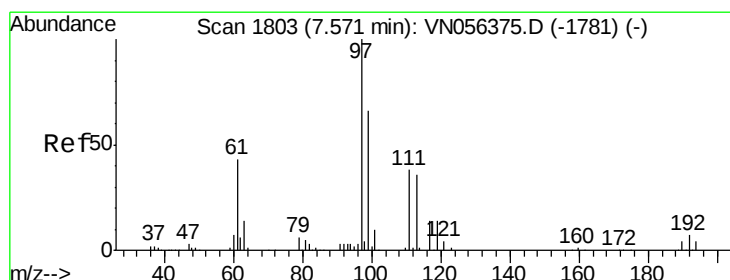
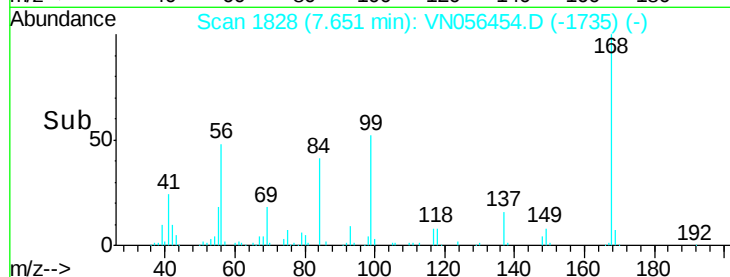
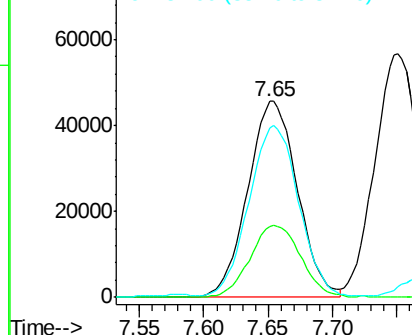


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 20.273 ug/l

RT: 7.57 min Scan# 1803

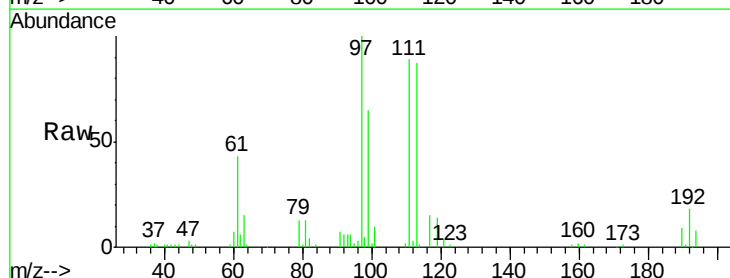
Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Tgt Ion: 97 Resp: 102853

Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.8	77.6
61	43.8	33.9	50.9

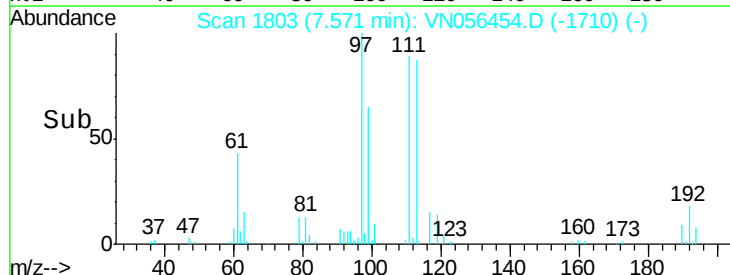
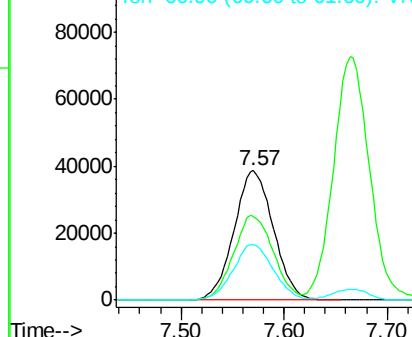


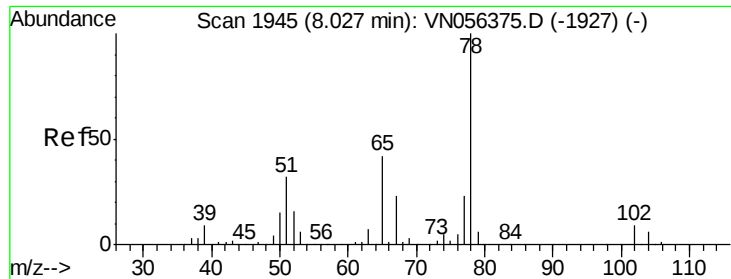
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





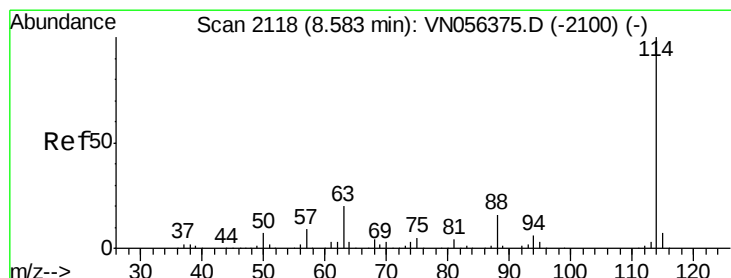
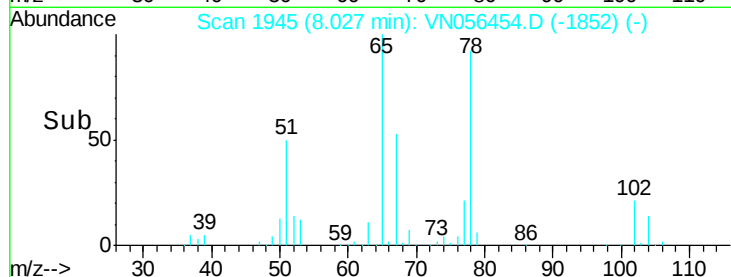
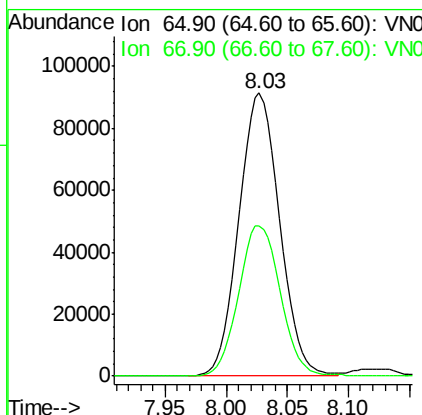
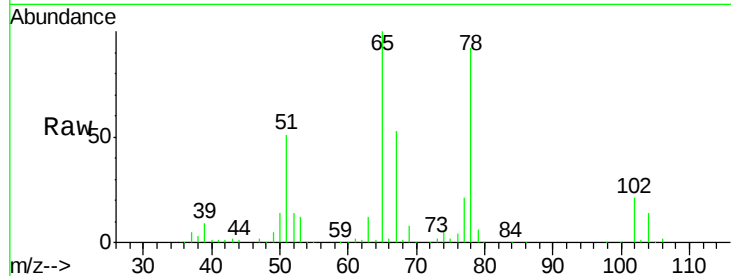
#33
 1,2-Dichloroethane-d4
 Concen: 52.143 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0624WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211449		
67	54.5	0.0	109.0	

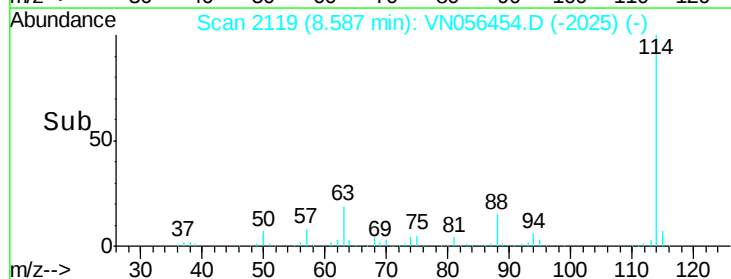
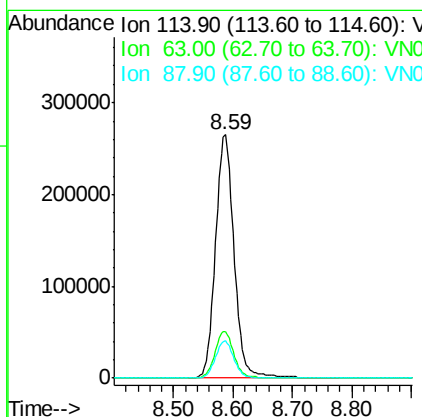
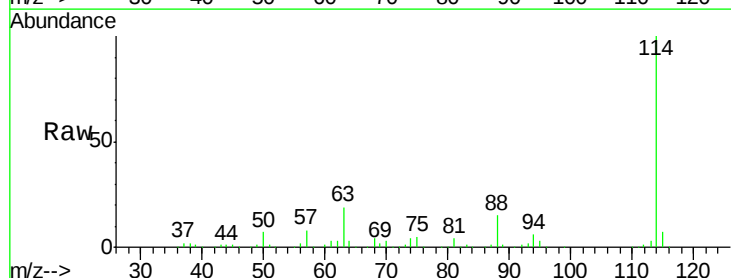
Manual Integrations
 APPROVED

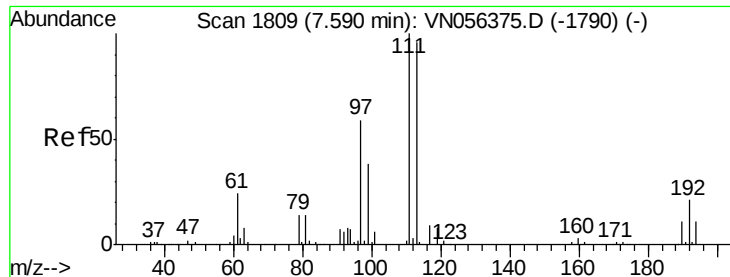
MMDadoda
 6/26/2019 8:14:23 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	573851		
63	19.2	0.0	39.2	
88	15.2	0.0	31.4	





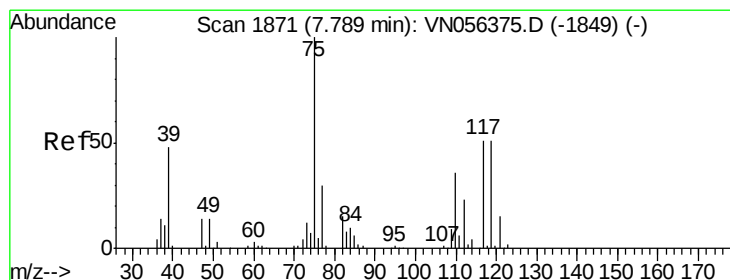
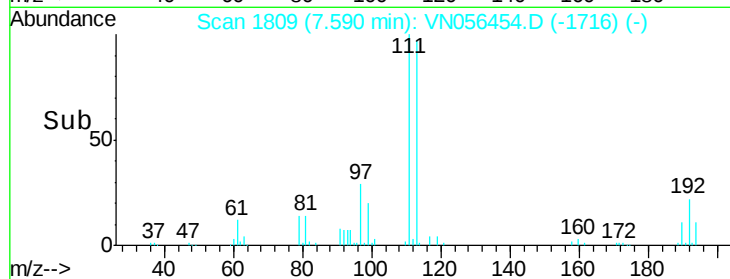
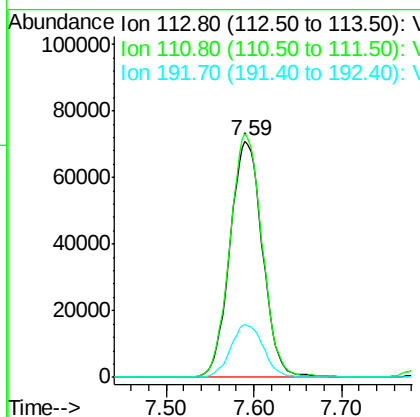
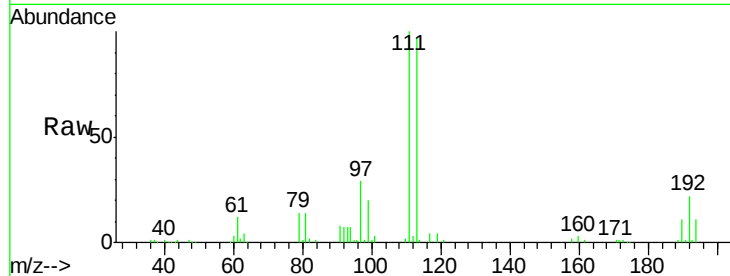
#35
 Dibromofluoromethane
 Concen: 51.137 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	183066		
111	101.8	82.9	124.3	
192	22.4	17.7	26.5	

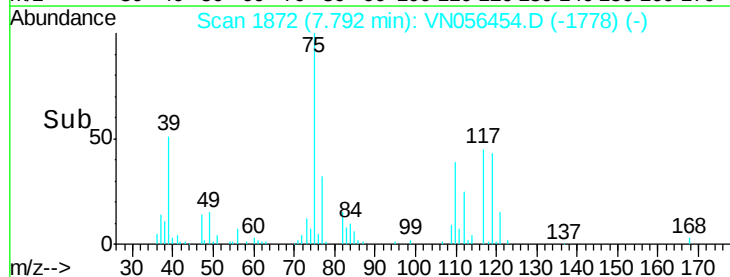
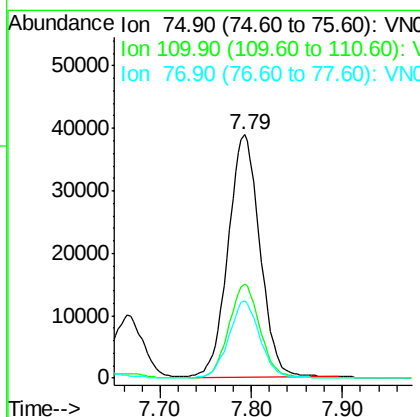
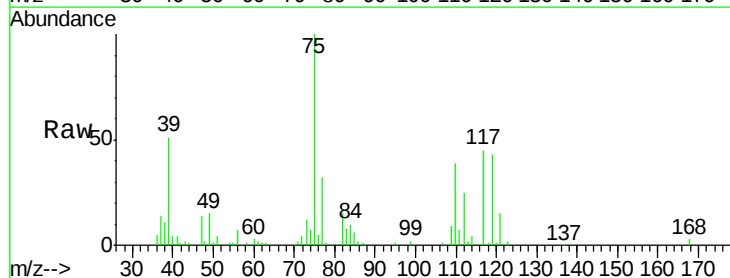
Manual Integrations
 APPROVED

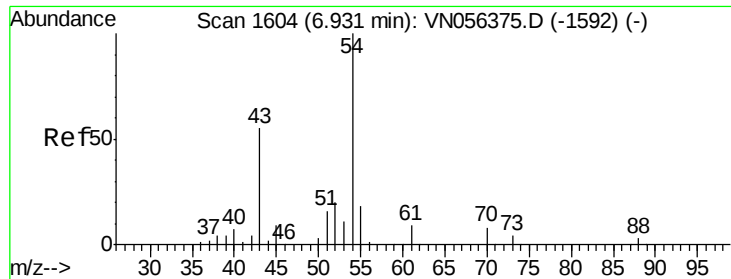
MMDadoda
 6/26/2019 8:14:23 AM



#36
 1,1-Dichloropropene
 Concen: 18.703 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	94465		
110	37.9	18.1	54.3	
77	30.8	24.6	36.8	





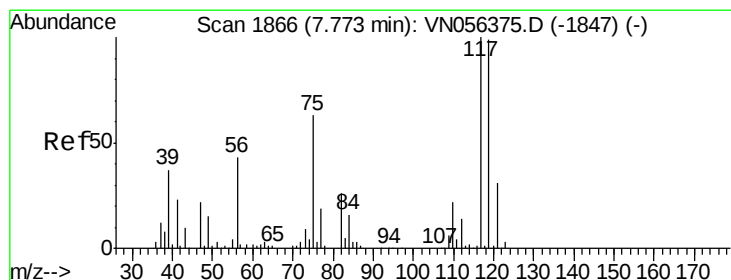
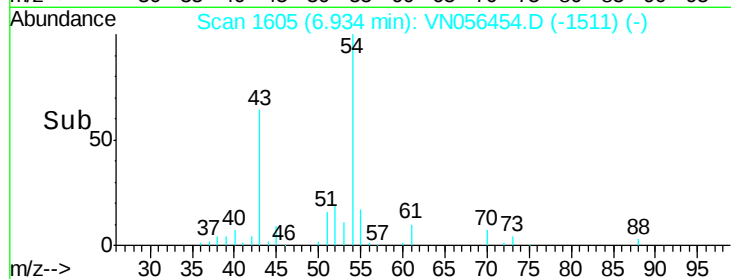
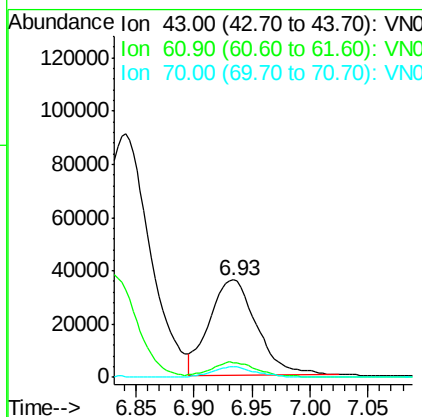
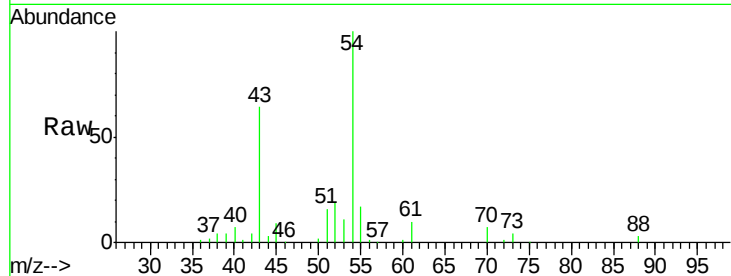
#37
Ethyl Acetate
Concen: 20.829 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.1	16.7
70	10.3	8.3	12.5

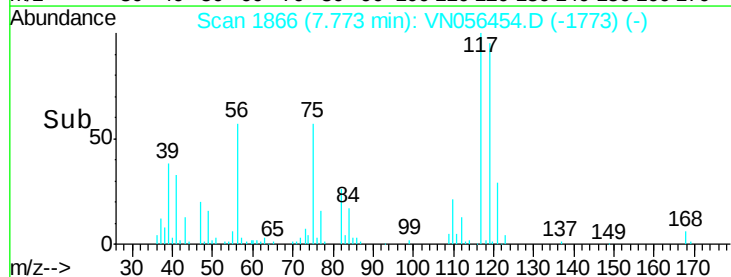
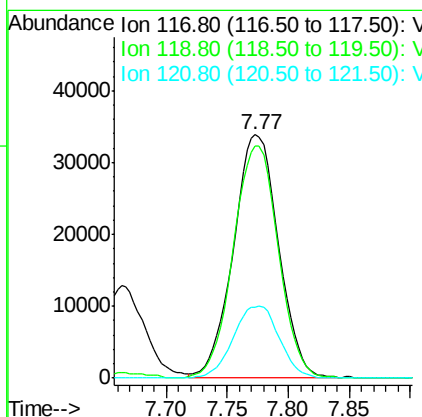
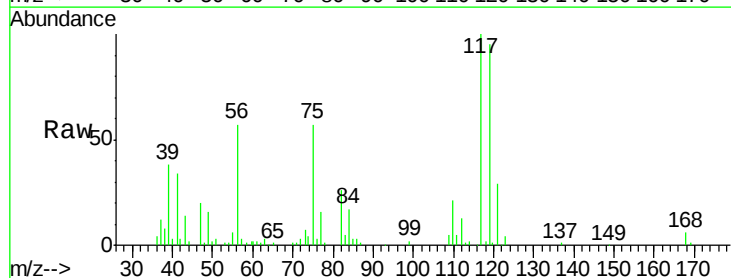
Manual Integrations
APPROVED

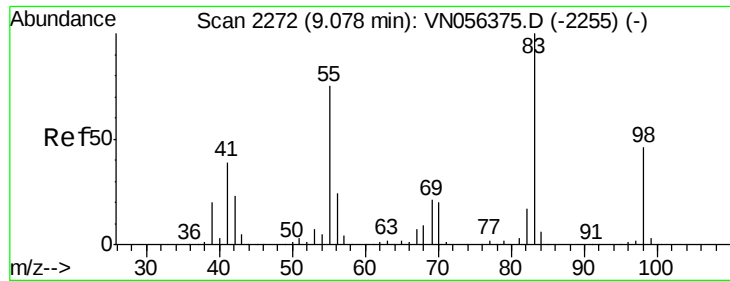
MMDadoda
6/26/2019 8:14:23 AM



#38
Carbon Tetrachloride
Concen: 19.669 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	79.1	118.7
121	29.3	24.8	37.2





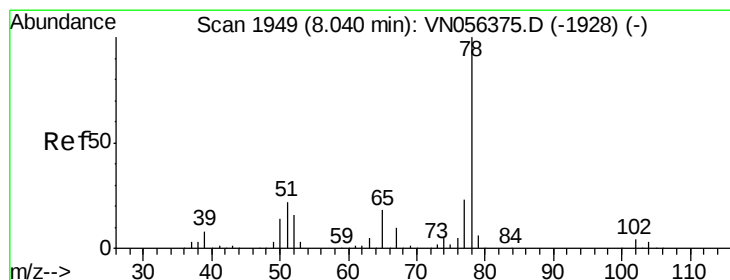
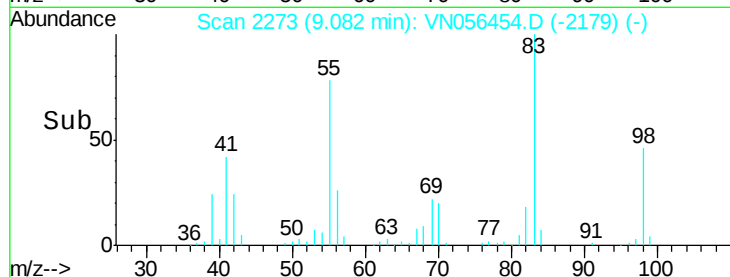
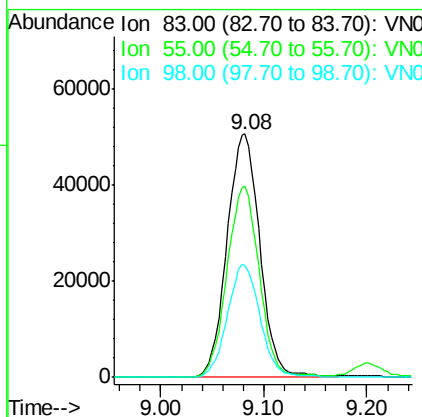
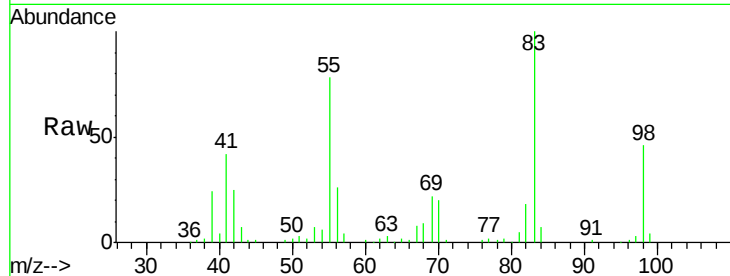
#39
Methvlcvclohexane
Concen: 18.072 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	60.0	90.0
98	46.0	36.6	54.8

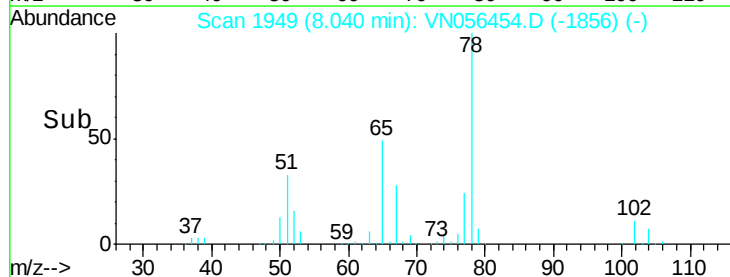
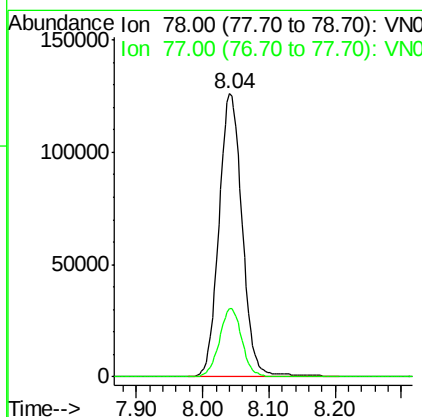
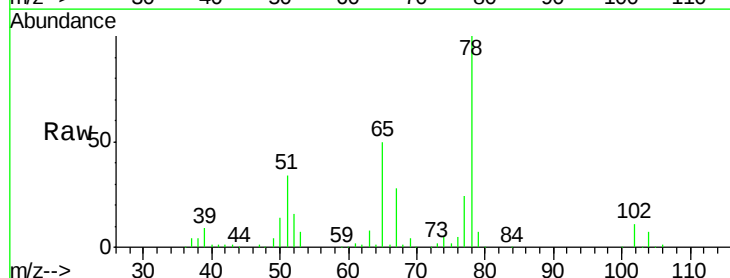
Manual Integrations
APPROVED

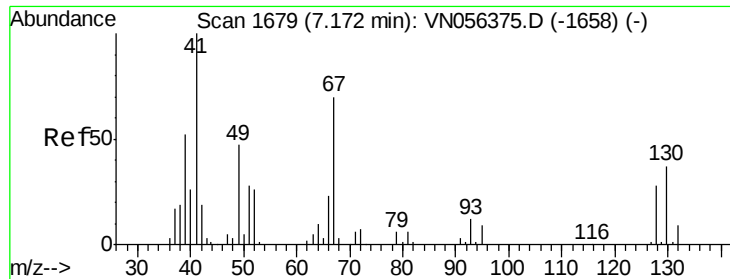
MMDadoda
6/26/2019 8:14:23 AM



#40
Benzene
Concen: 19.796 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.3	27.5





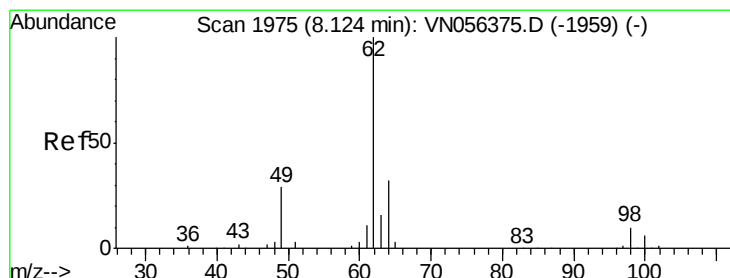
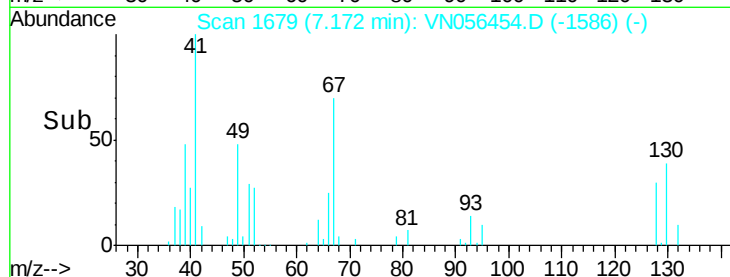
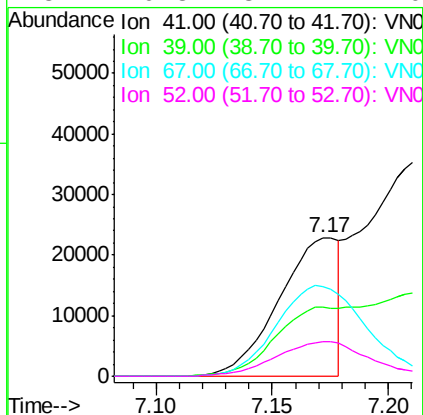
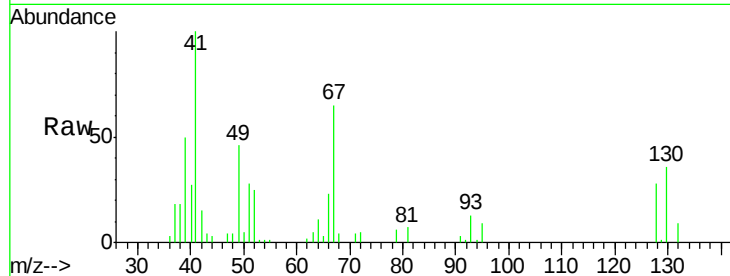
#41
Methacrylonitrile
Concen: 18.624 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.1	55.3	82.9#
67	100.6	79.2	118.8
52	40.8	31.4	47.0

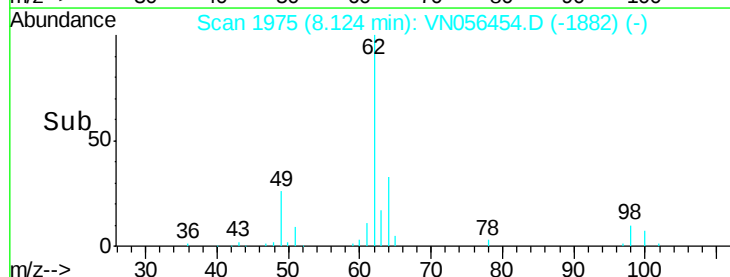
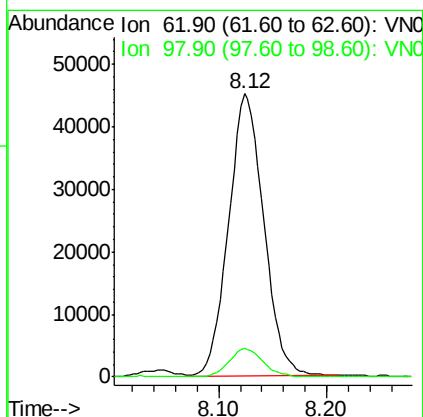
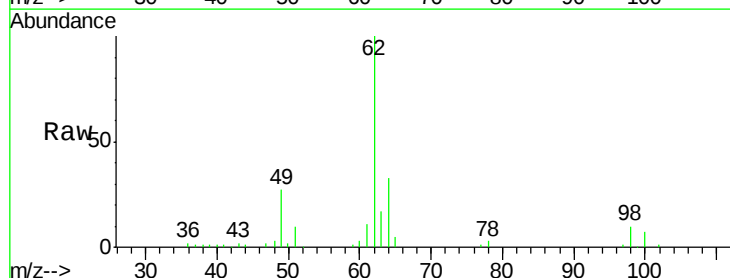
Manual Integrations
APPROVED

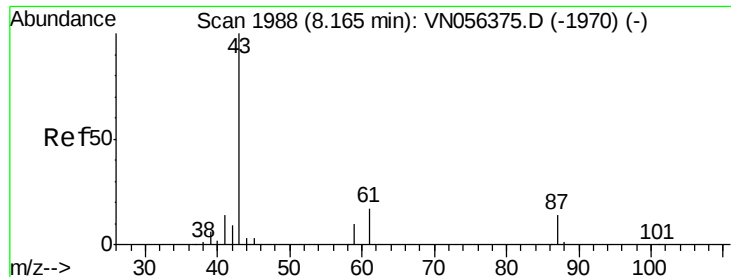
MMDadoda
6/26/2019 8:14:23 AM



#42
1,2-Dichloroethane
Concen: 20.047 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4





#43

Isopropyl Acetate

Concen: 21.515 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

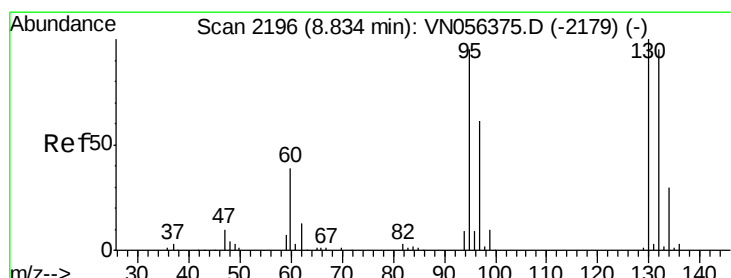
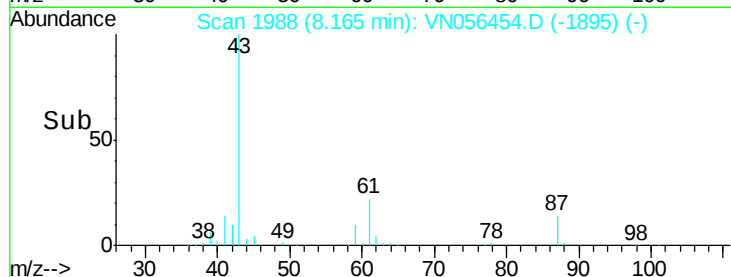
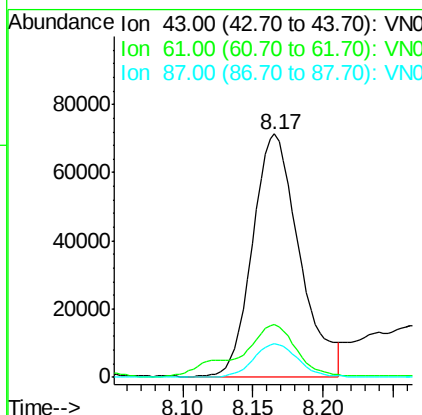
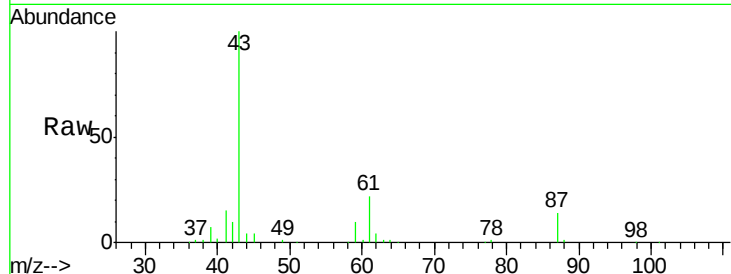
ClientSampleId :

VN0624WBSD01

Tot Ion:	43	Resp:	164675
Ion	Ratio	Lower	Upper
43	100		
61	27.2	22.0	33.0
87	13.1	11.0	16.4

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:14:23 AM



#44

Trichloroethene

Concen: 19.644 ug/l

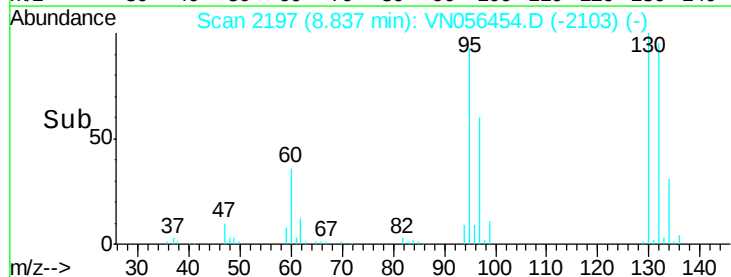
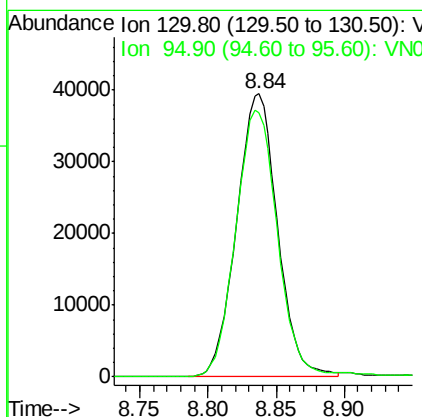
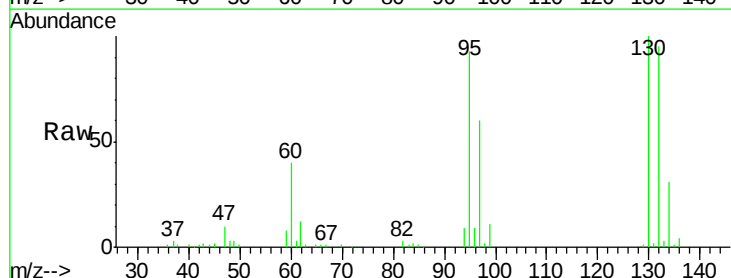
RT: 8.84 min Scan# 2197

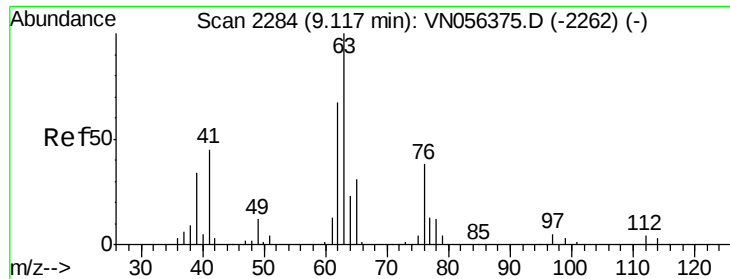
Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Tgt Ion:	130	Resp:	82214
Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	191.0





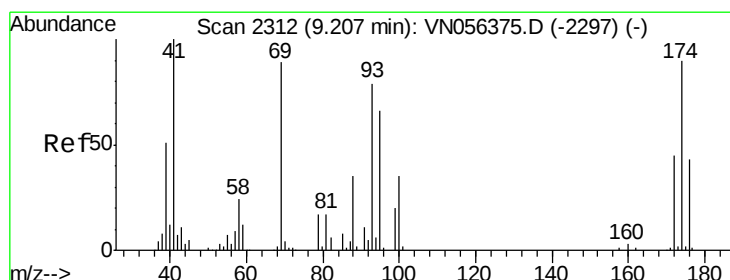
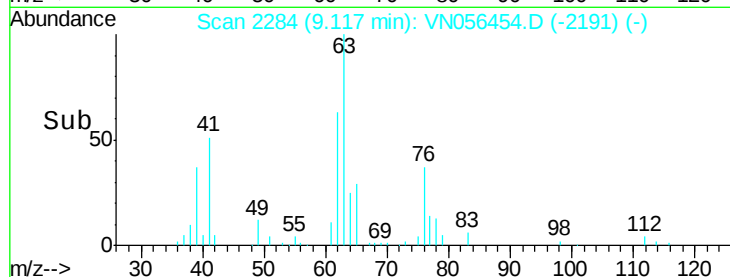
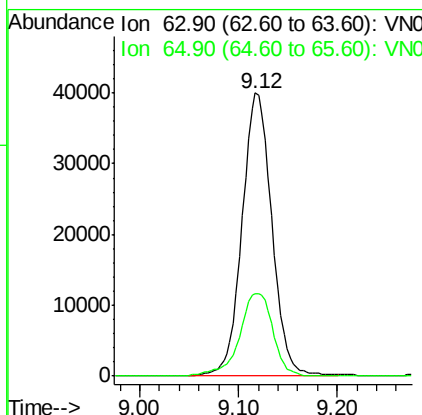
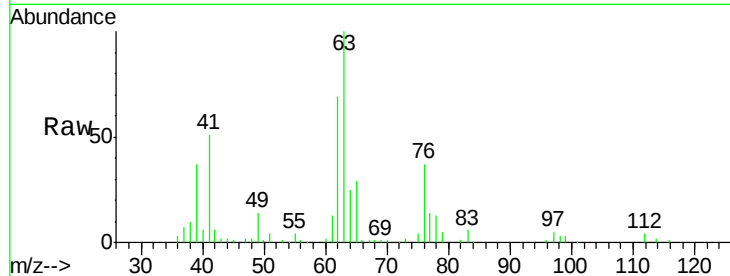
#45
 1,2-Dichloropropane
 Concen: 20.103 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBSD01

Tot Ion: 63 Resp: 83527
 Ion Ratio Lower Upper
 63 100
 65 29.3 25.0 37.6

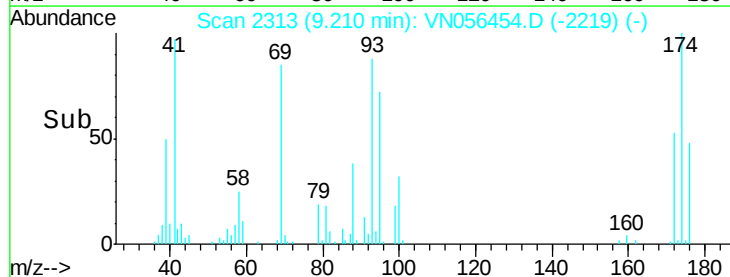
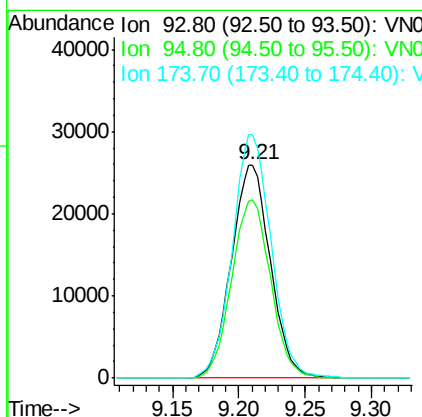
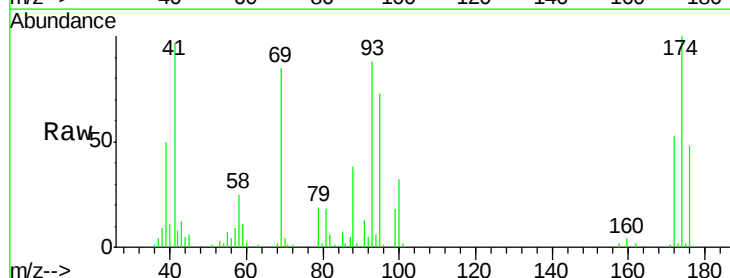
Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:14:23 AM



#46
 Dibromomethane
 Concen: 20.420 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Tgt Ion: 93 Resp: 53083
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.2 99.2
 174 113.4 90.8 136.2





#47

Bromodichloromethane

Concen: 20.611 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

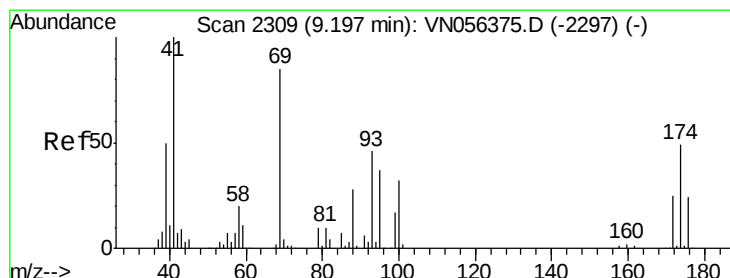
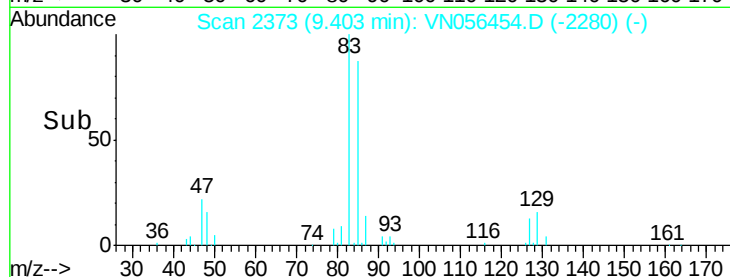
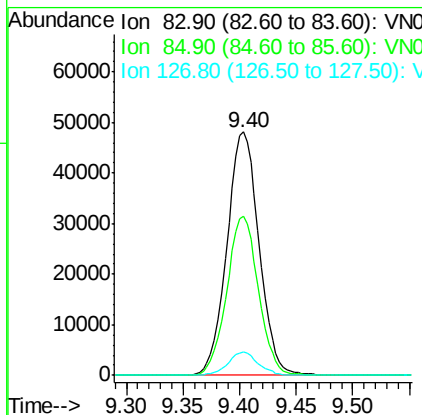
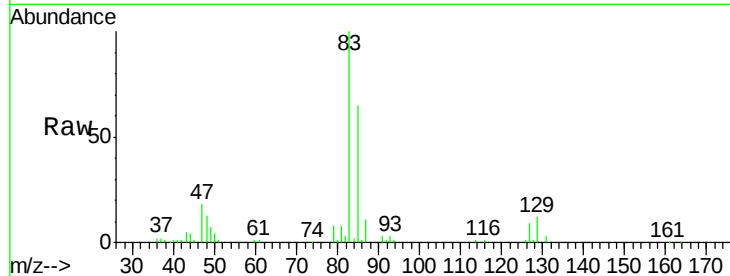
ClientSampleId :

VN0624WBSD01

Tot Ion:	83	Resp:	95028
Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.4
127	9.5	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:14:23 AM



#48

Methyl methacrylate

Concen: 19.678 ug/l

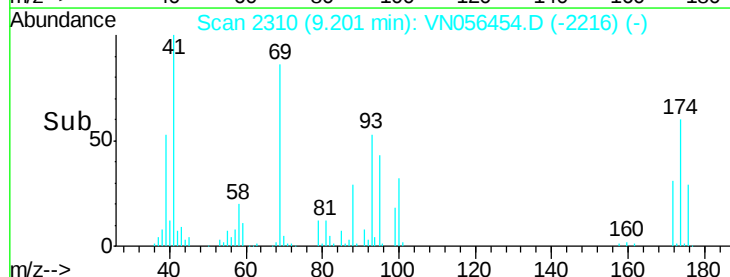
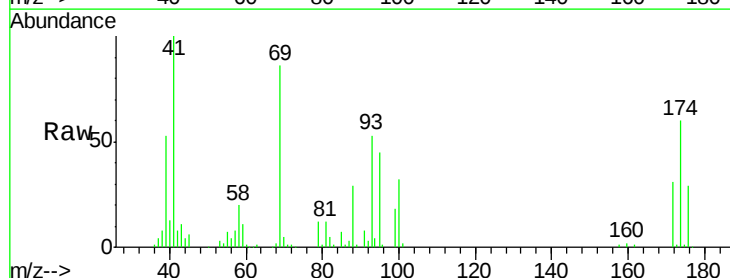
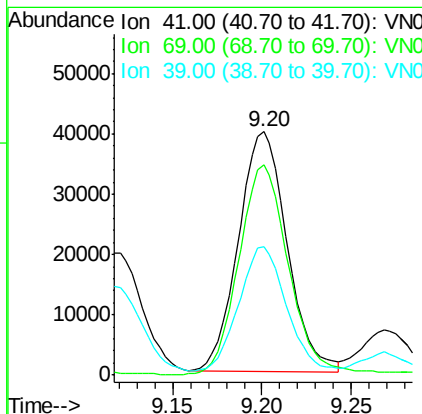
RT: 9.20 min Scan# 2310

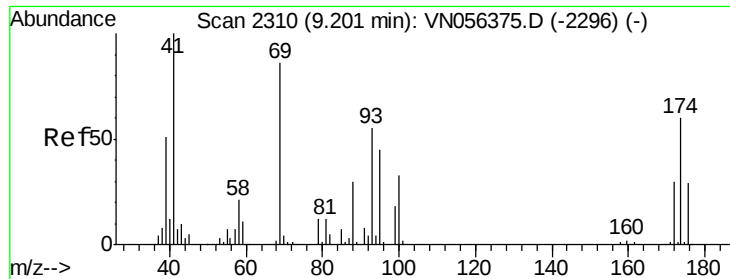
Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Tgt Ion:	41	Resp:	75477
Ion	Ratio	Lower	Upper
41	100		
69	92.0	72.6	109.0
39	54.4	42.6	63.8





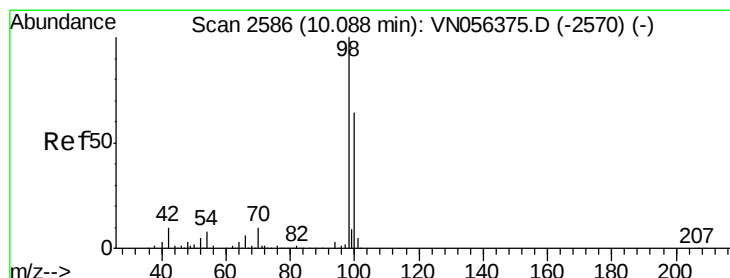
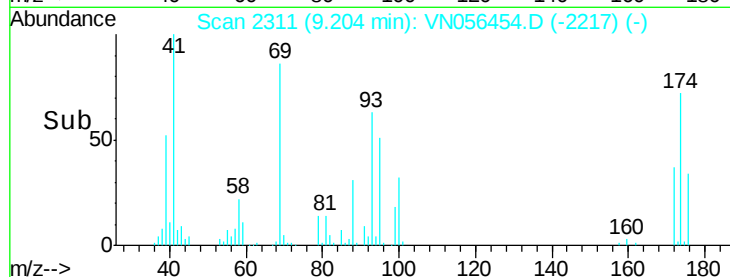
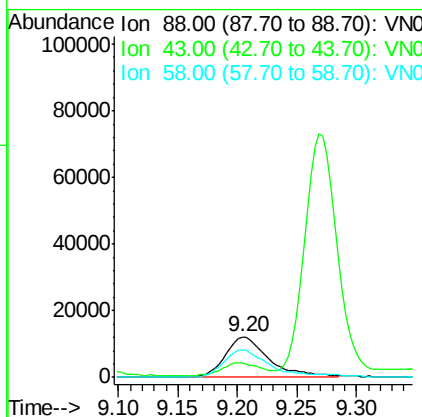
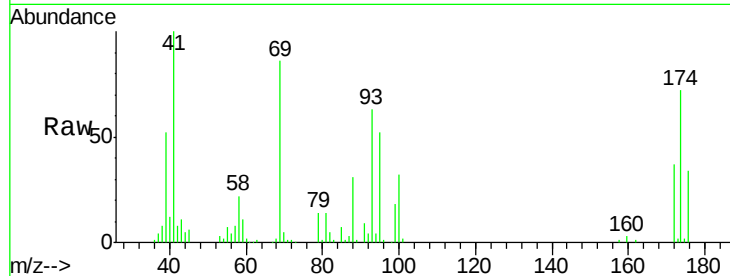
#49
1,4-Dioxane
Concen: 389.843 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion	88	Resp	31030
Ion	Ratio	Lower	Upper
88	100		
43	27.5	22.0	33.0
58	69.2	51.8	77.8

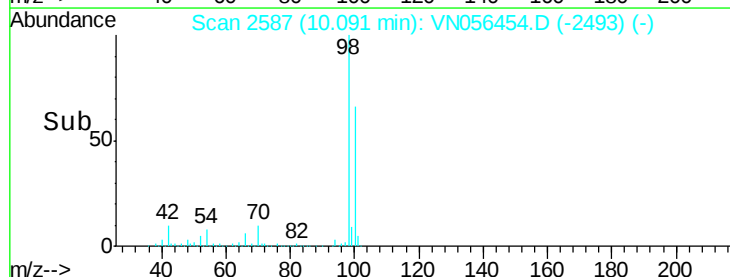
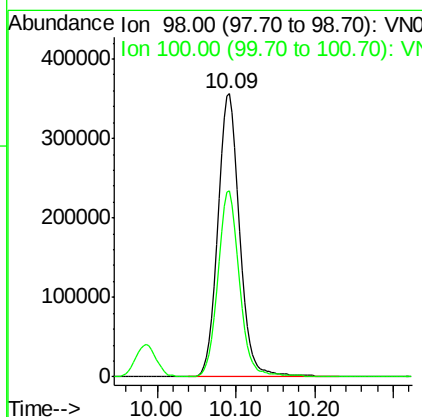
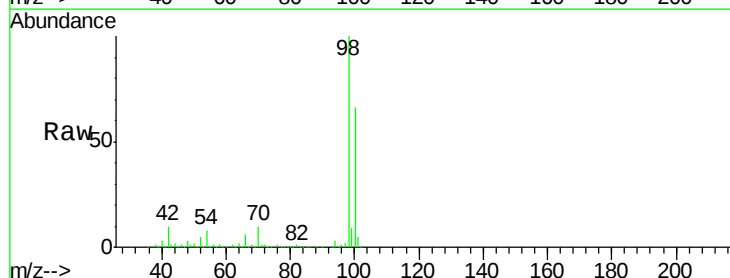
Manual Integrations
APPROVED

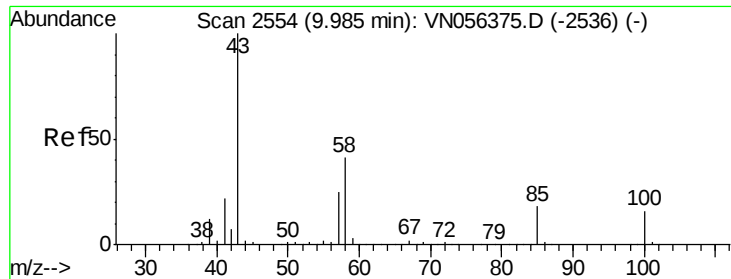
MMDadoda
6/26/2019 8:14:23 AM



#50
Toluene-d8
Concen: 48.729 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion	98	Resp	678773
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 101.437 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBSD01

Tot Ion: 43 Resp: 501116

Ion Ratio Lower Upper

43 100

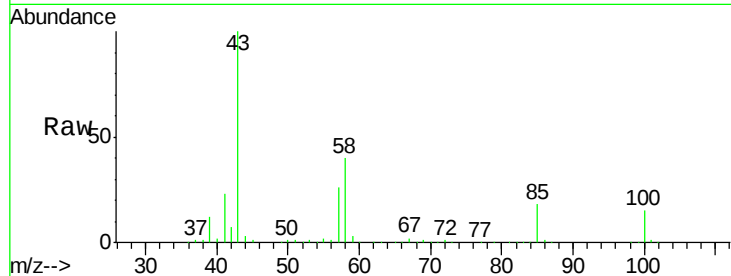
58 39.8 31.8 47.8

Manual Integrations

APPROVED

MMDadoda

6/26/2019 8:14:23 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

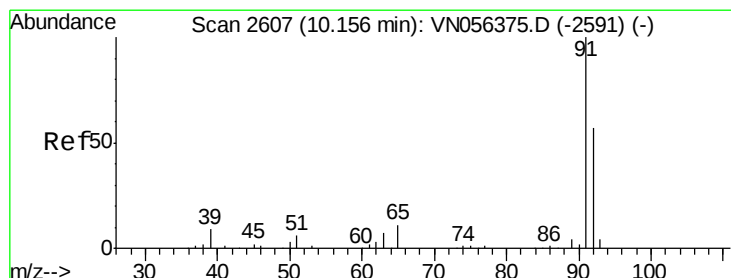
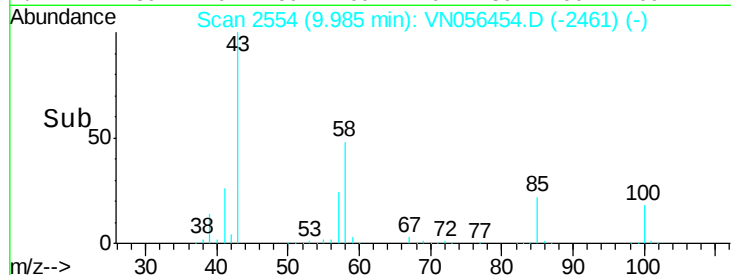
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.769 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056454.D

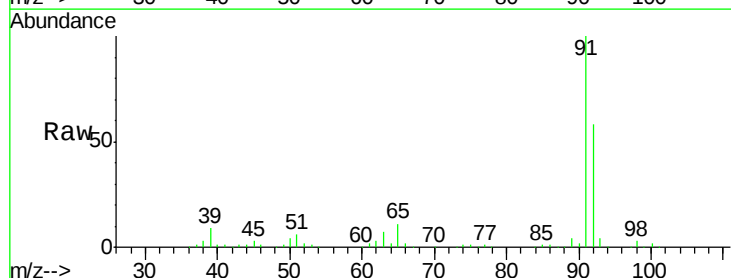
Acq: 24 Jun 2019 14:36

Tgt Ion: 92 Resp: 187781

Ion Ratio Lower Upper

92 100

91 172.9 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

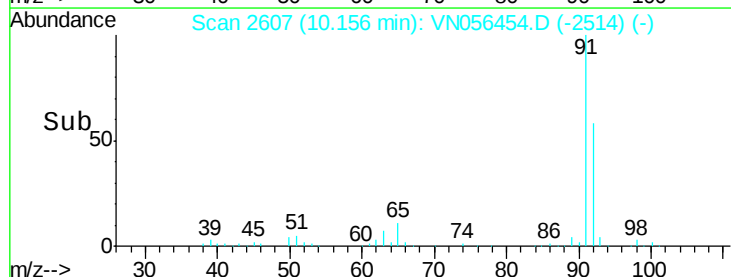
150000

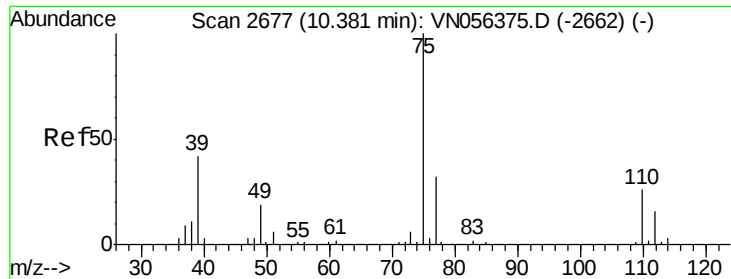
100000

50000

0

Time-->





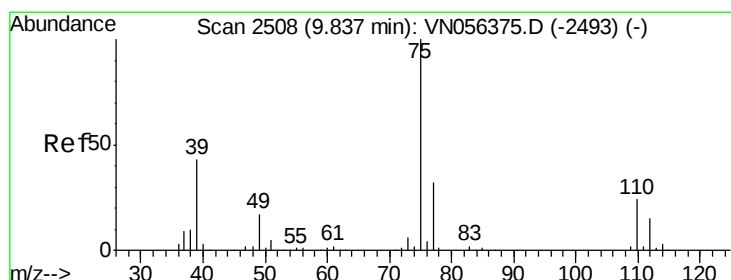
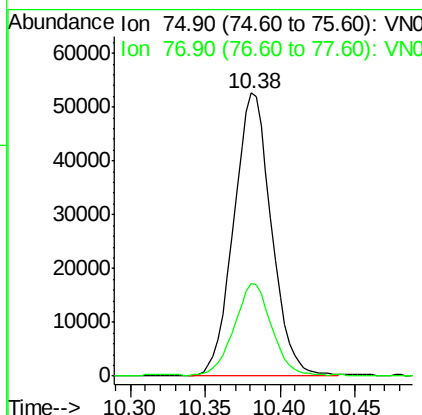
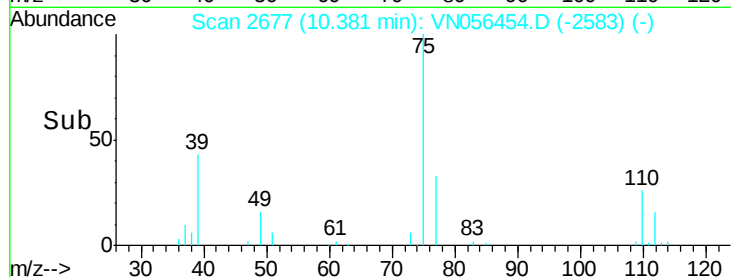
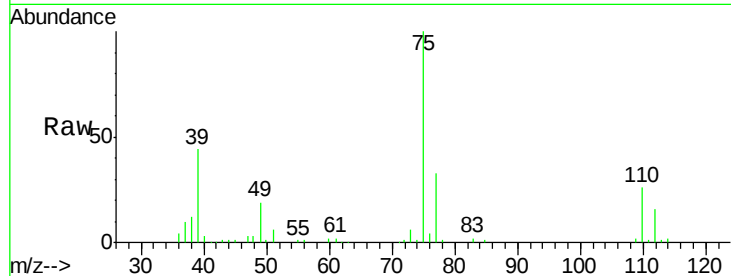
#53
t-1,3-Dichloropropene
Concen: 19.075 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.2

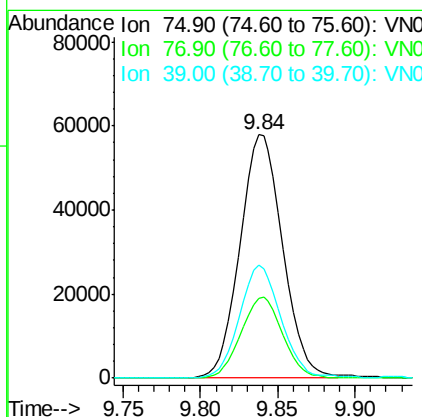
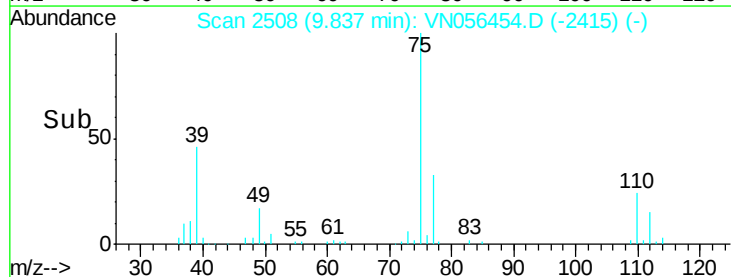
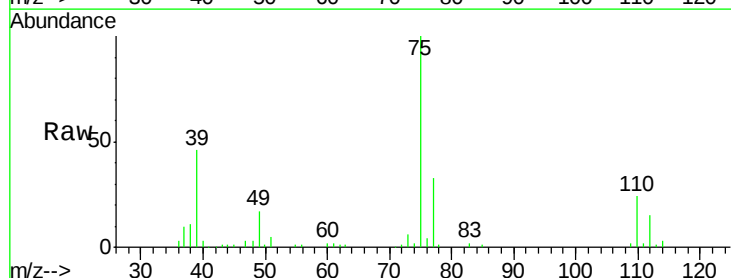
Manual Integrations
APPROVED

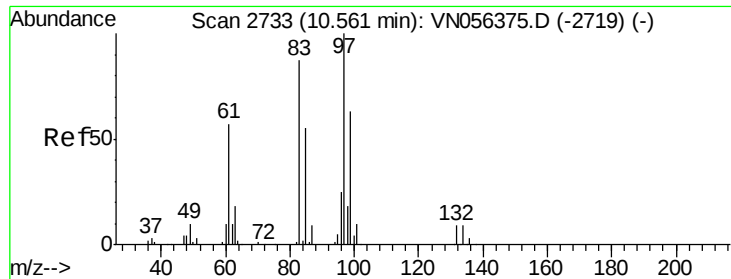
MMDadoda
6/26/2019 8:14:23 AM



#54
cis-1,3-Dichloropropene
Concen: 20.019 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.2	37.8
39	46.3	34.2	51.4





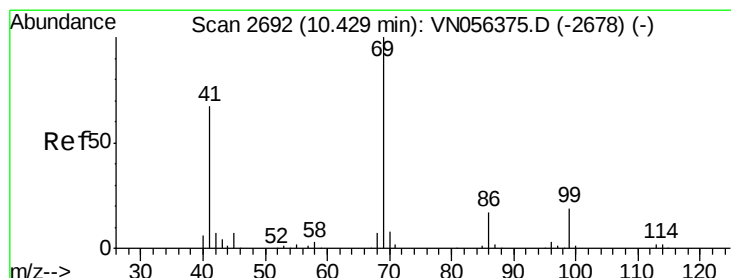
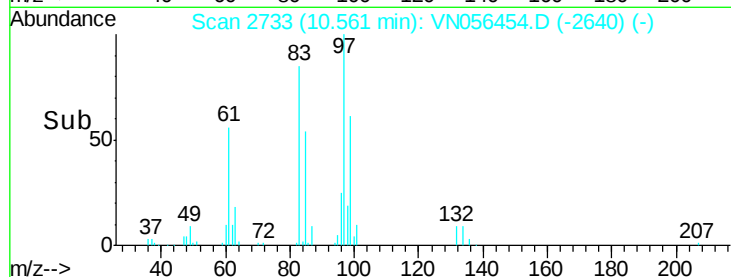
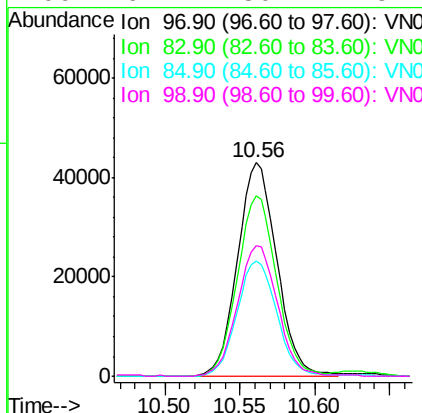
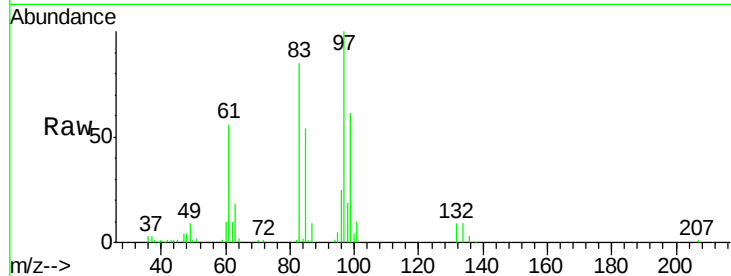
#55
 1,1,2-Trichloroethane
 Concen: 20.597 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBSD01

Tot Ion:	97	Resp:	78641
Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.8	104.6
85	53.8	43.8	65.8
99	61.4	50.2	75.2

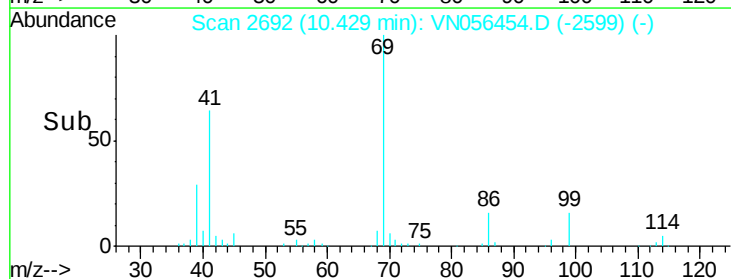
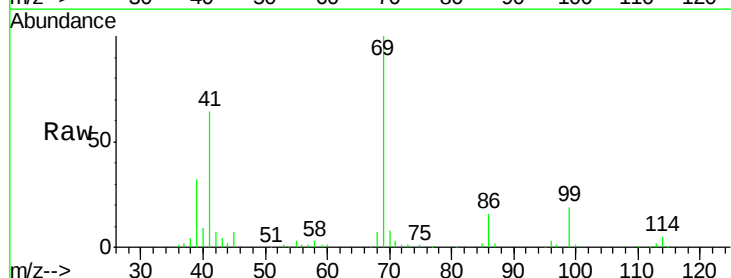
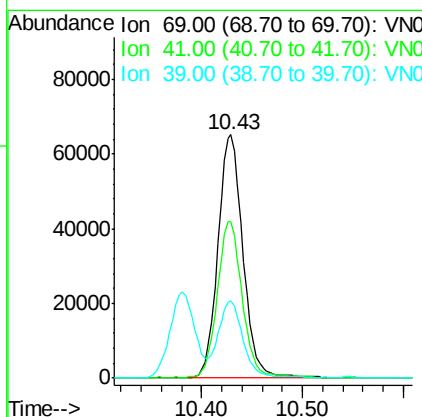
Manual Integrations
 APPROVED

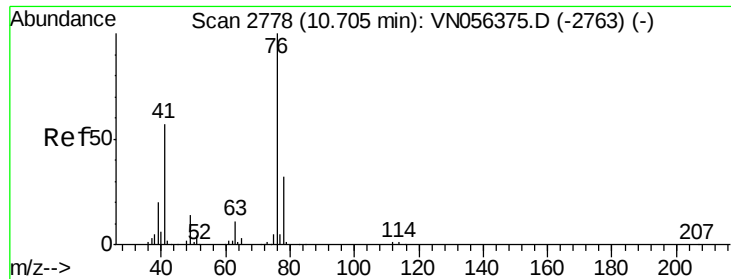
MMDadoda
 6/26/2019 8:14:23 AM



#56
 Ethyl methacrylate
 Concen: 20.200 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Tgt Ion:	69	Resp:	112711
Ion	Ratio	Lower	Upper
69	100		
41	63.1	51.4	77.2
39	31.0	24.7	37.1





#57

1,3-Dichloropropane

Concen: 20.265 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBSD01

Tot Ion: 76 Resp: 129984

Ion Ratio Lower Upper

76 100

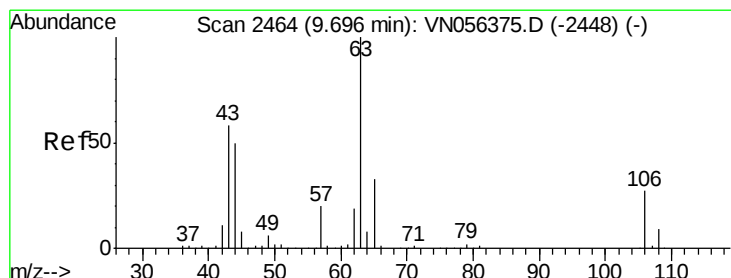
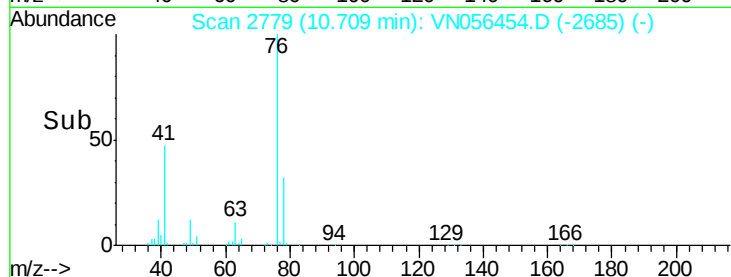
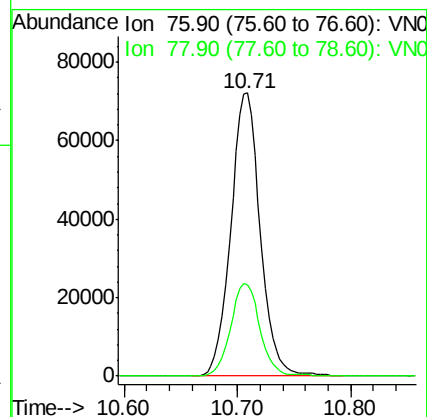
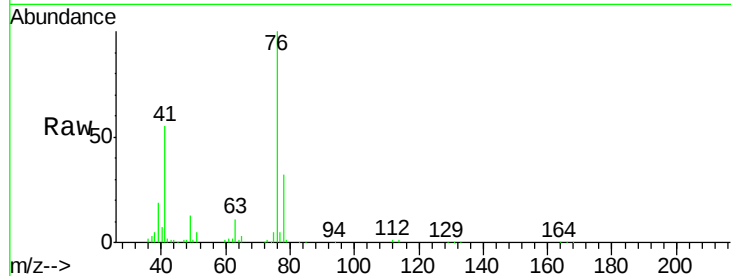
78 32.8 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

6/26/2019 8:14:23 AM



#58

2-Chloroethyl Vinyl ether

Concen: 82.145 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056454.D

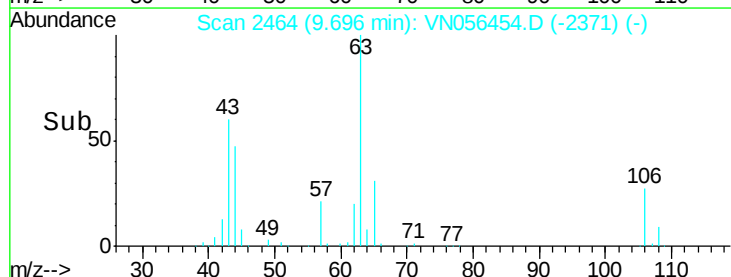
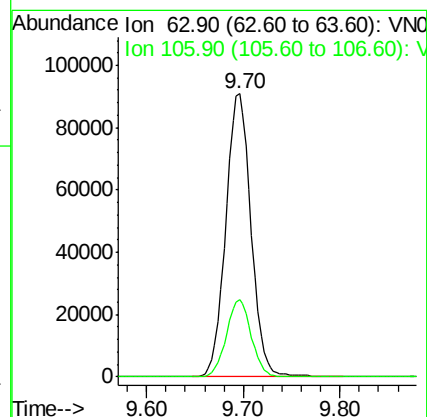
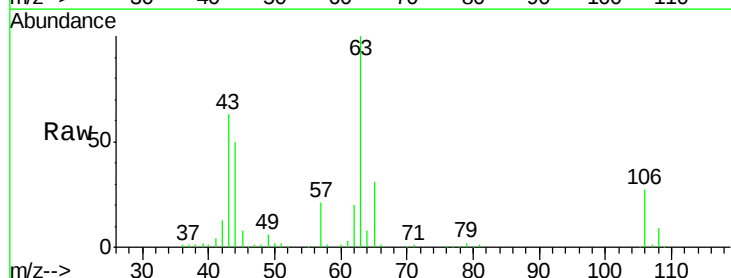
Acq: 24 Jun 2019 14:36

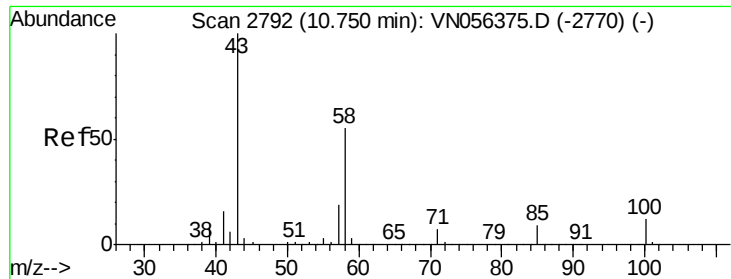
Tgt Ion: 63 Resp: 164665

Ion Ratio Lower Upper

63 100

106 26.8 21.6 32.4





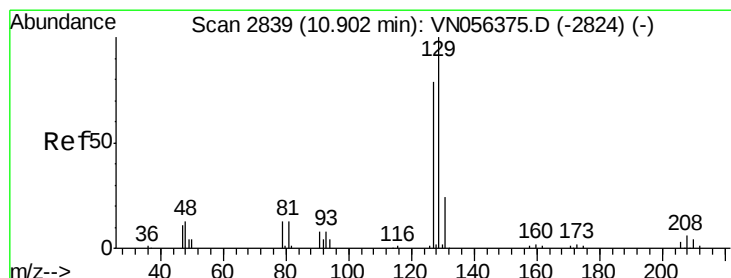
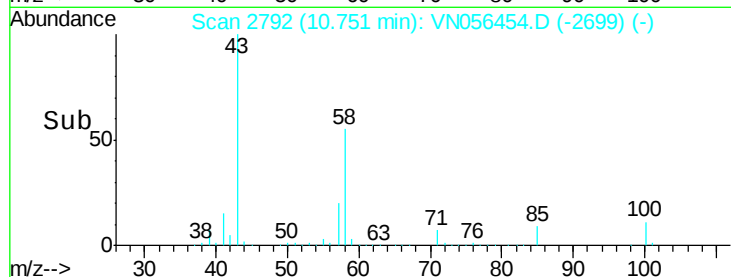
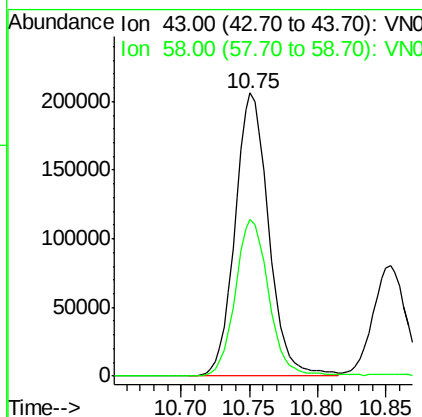
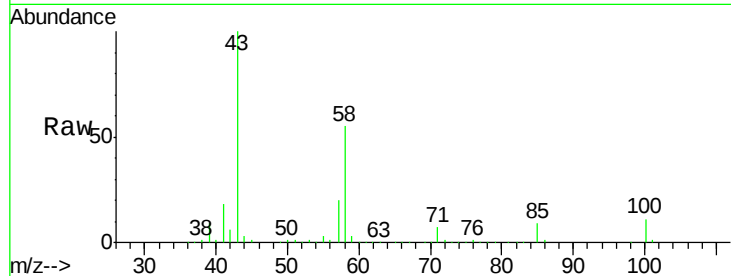
#59
2-Hexanone
Concen: 96.624 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion: 43 Resp: 350828
Ion Ratio Lower Upper
43 100
58 55.5 27.8 83.4

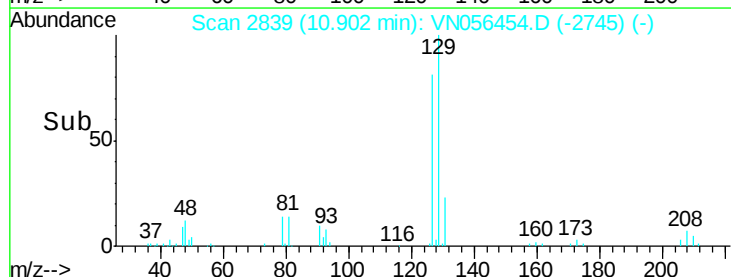
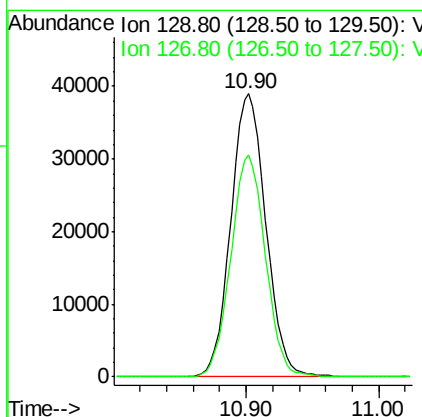
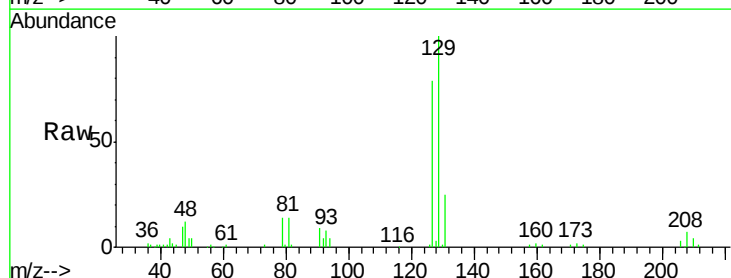
Manual Integrations
APPROVED

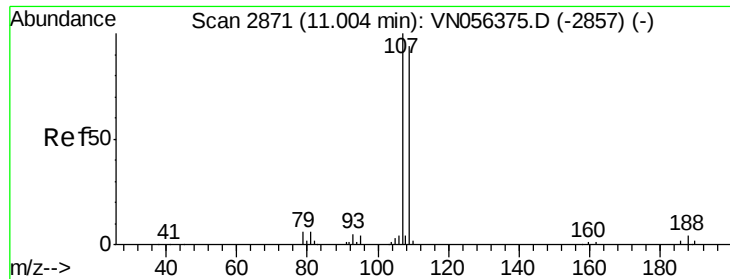
MMDadoda
6/26/2019 8:14:23 AM



#60
Dibromochloromethane
Concen: 19.734 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion: 129 Resp: 71505
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.7





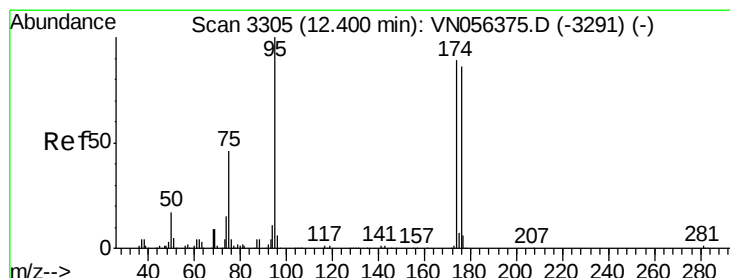
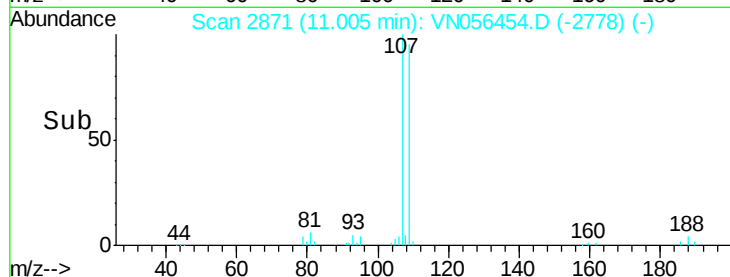
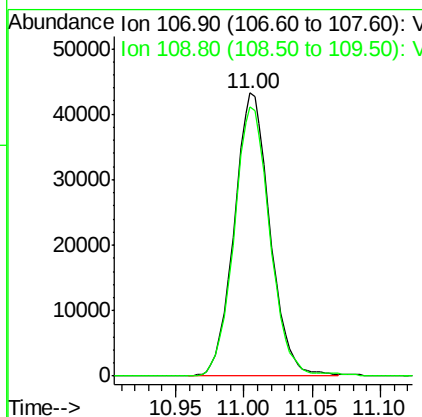
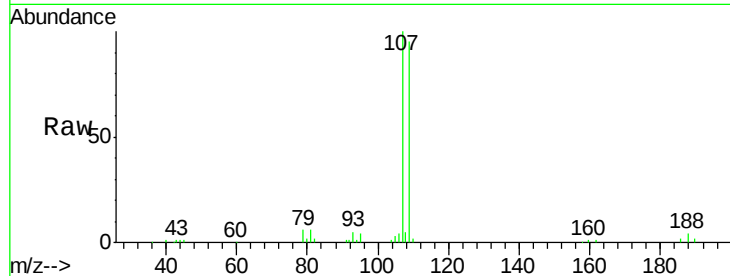
#61
1,2-Dibromoethane
Concen: 20.119 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.3	112.9

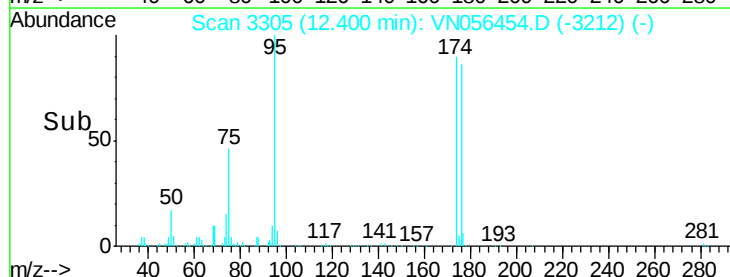
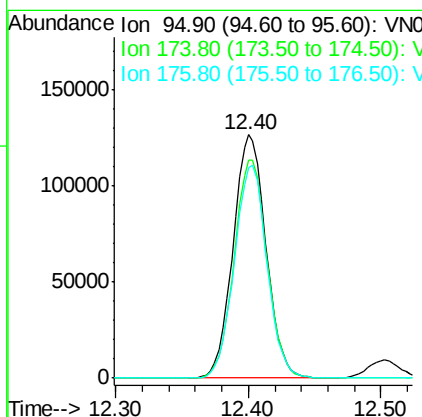
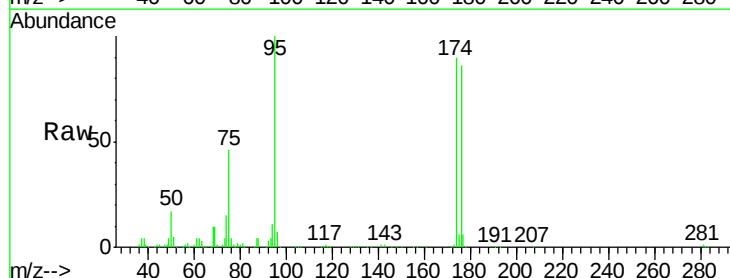
Manual Integrations
APPROVED

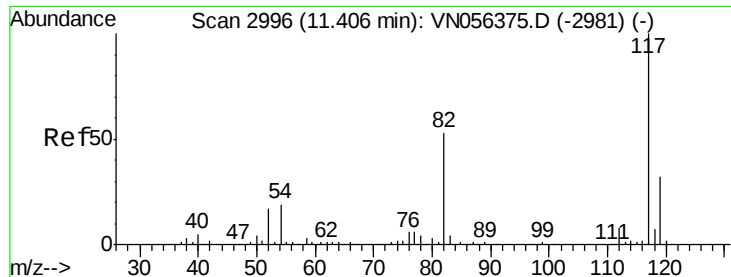
MMDadoda
6/26/2019 8:14:23 AM



#62
4-Bromofluorobenzene
Concen: 46.774 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	179.4
176	87.1	0.0	173.4





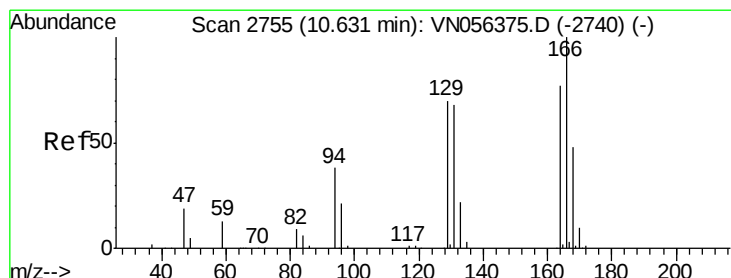
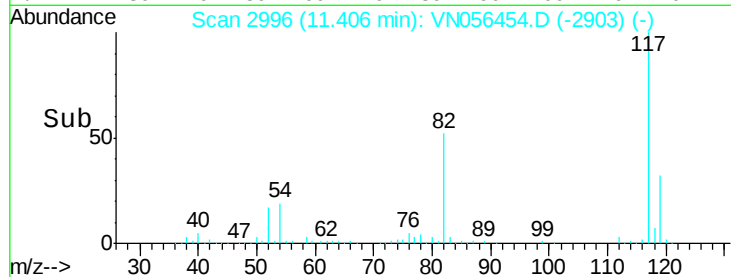
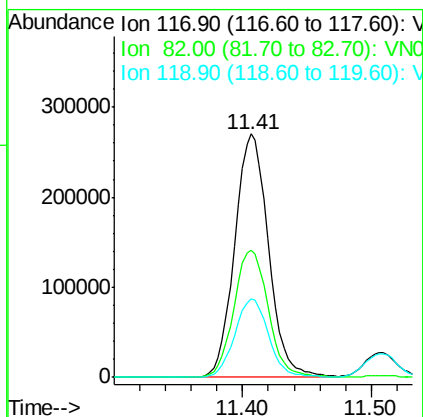
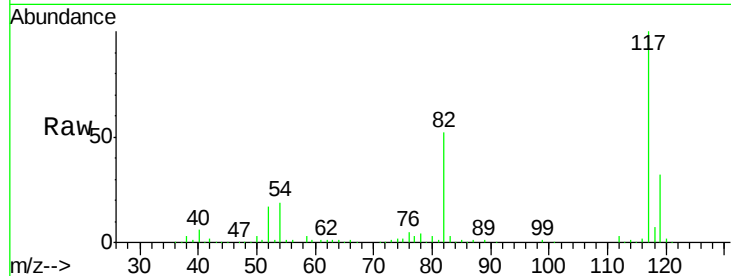
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.0	63.0
119	32.2	25.3	37.9

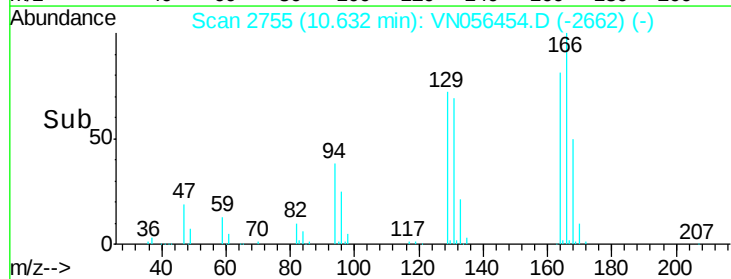
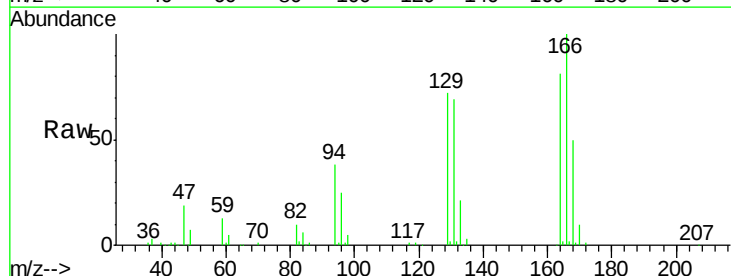
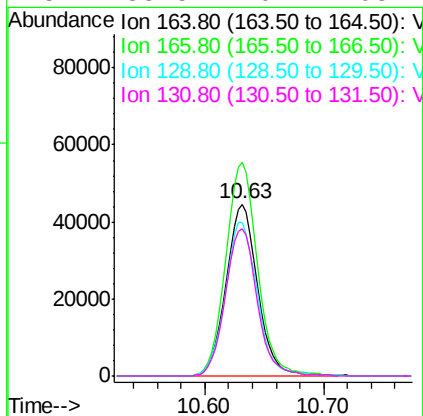
Manual Integrations
APPROVED

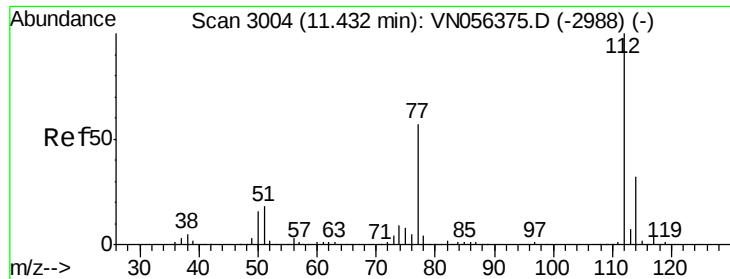
MMDadoda
6/26/2019 8:14:23 AM



#64
Tetrachloroethene
Concen: 21.000 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	103.4	155.0
129	89.1	72.0	108.0
131	85.5	70.2	105.2





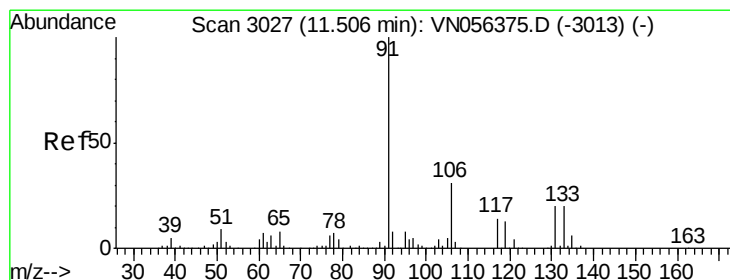
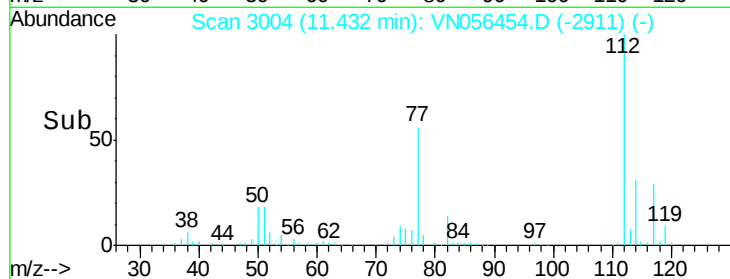
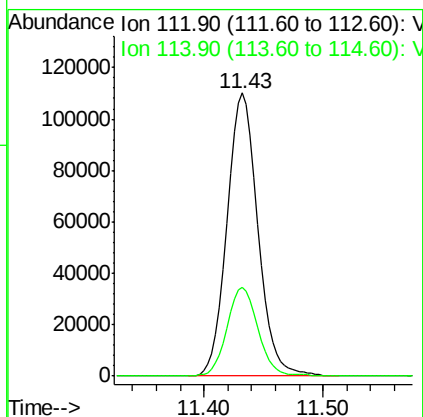
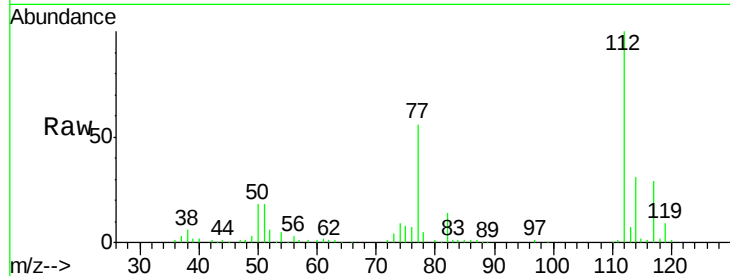
#65
Chlorobenzene
Concen: 20.003 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion:112 Resp: 197911
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.2

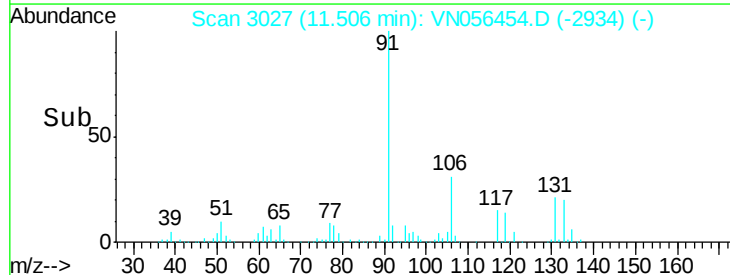
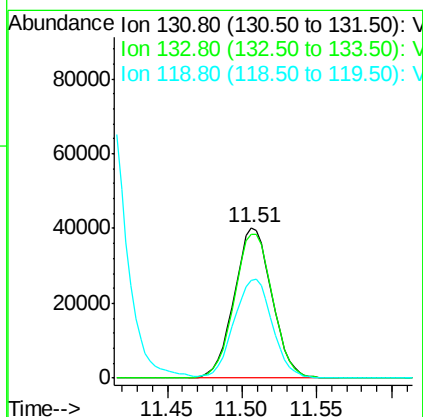
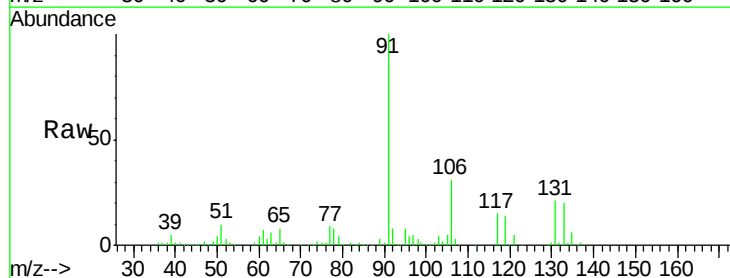
Manual Integrations
APPROVED

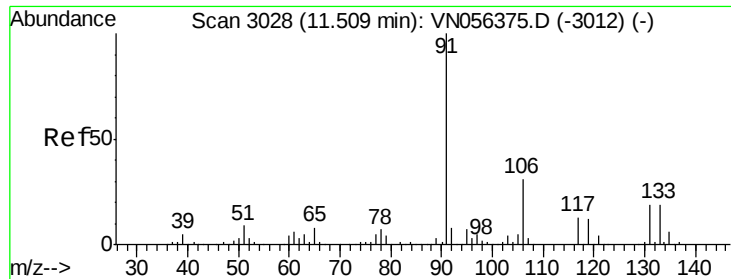
MMDadoda
6/26/2019 8:14:23 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.079 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion:131 Resp: 70487
Ion Ratio Lower Upper
131 100
133 97.8 47.4 142.2
119 67.0 32.8 98.4





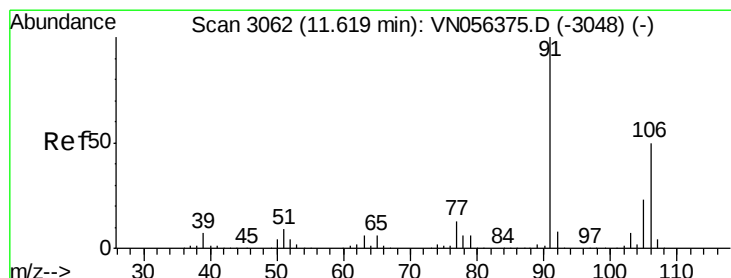
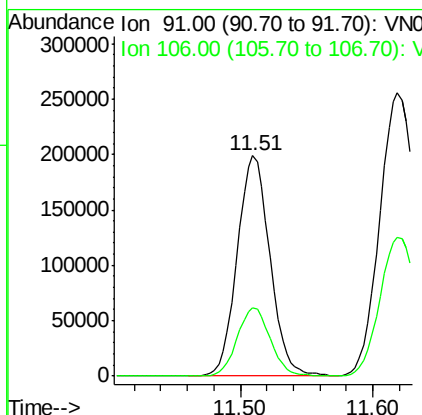
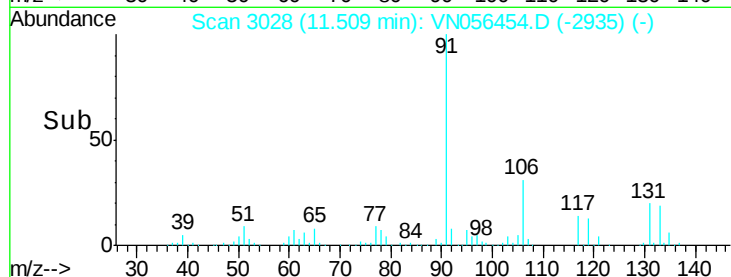
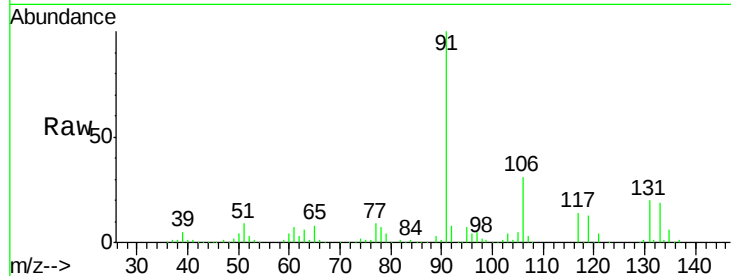
#67
Ethyl Benzene
Concen: 19.690 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion: 91 Resp: 342071
Ion Ratio Lower Upper
91 100
106 30.7 25.1 37.7

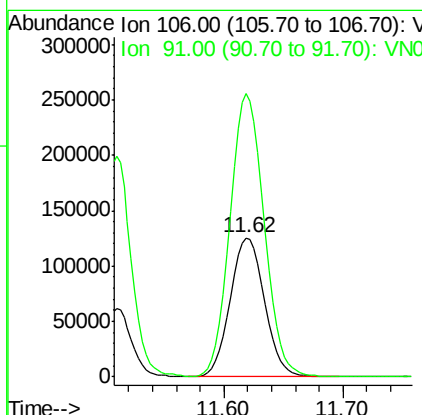
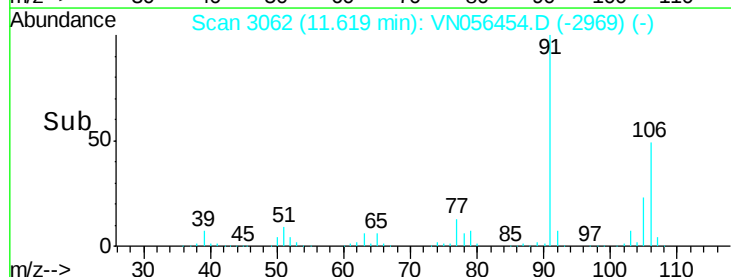
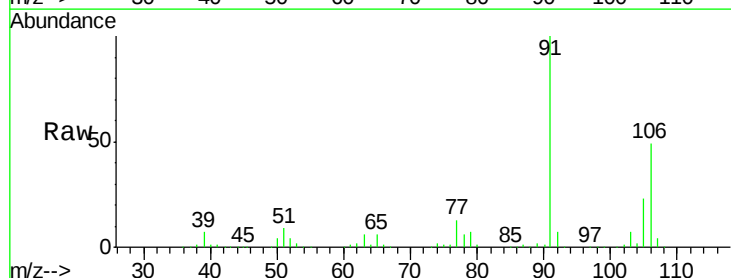
Manual Integrations
APPROVED

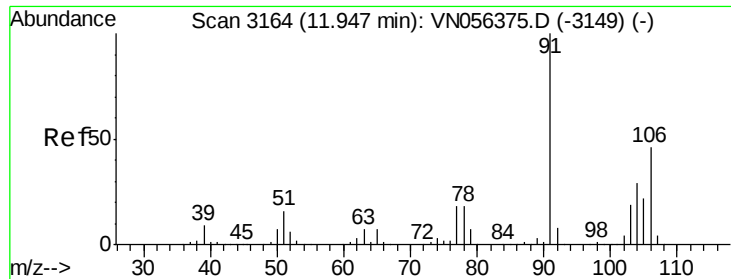
MMDadoda
6/26/2019 8:14:23 AM



#68
m/p-Xylenes
Concen: 39.460 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion: 106 Resp: 251229
Ion Ratio Lower Upper
106 100
91 202.2 160.1 240.1





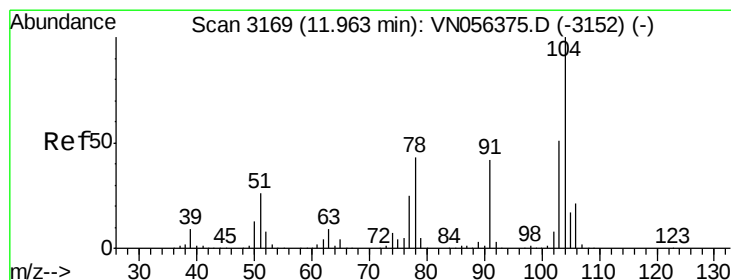
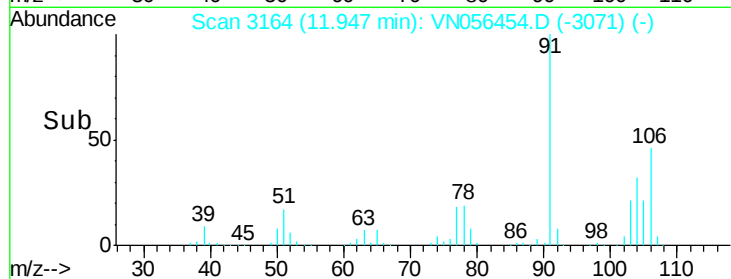
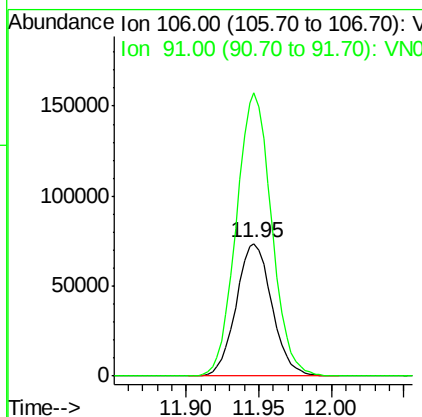
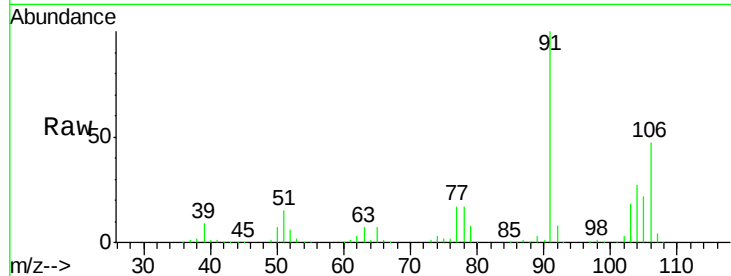
#69
o-Xylene
Concen: 20.015 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion:106 Resp: 126068
Ion Ratio Lower Upper
106 100
91 211.3 107.1 321.3

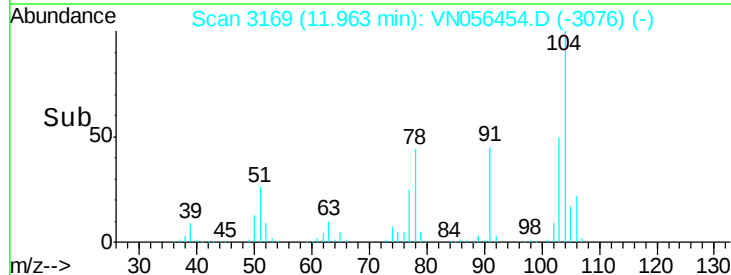
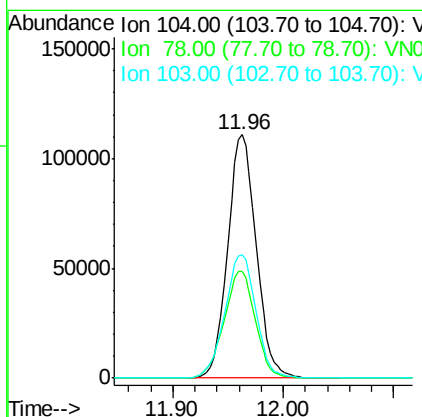
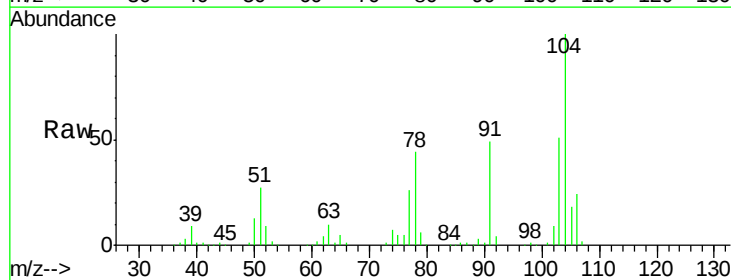
Manual Integrations
APPROVED

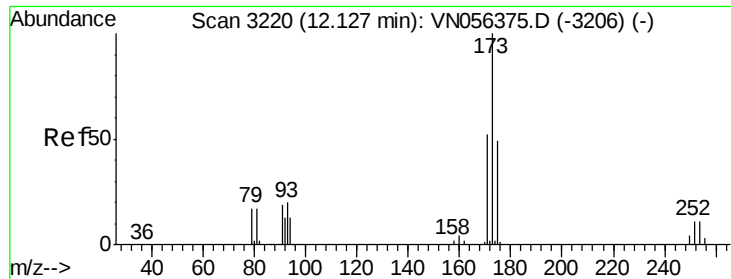
MMDadoda
6/26/2019 8:14:23 AM



#70
Styrene
Concen: 19.788 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion:104 Resp: 199227
Ion Ratio Lower Upper
104 100
78 48.2 38.6 57.8
103 55.2 43.9 65.9





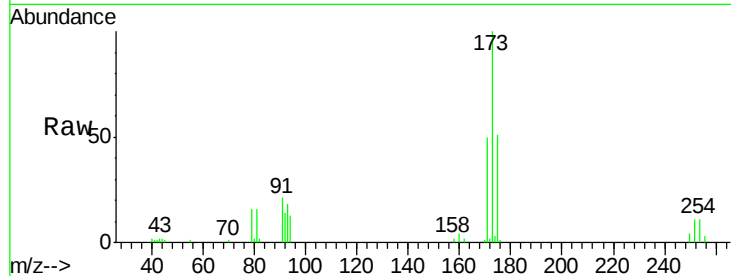
#71
Bromoform
Concen: 19.470 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampled :
VN0624WBSD01

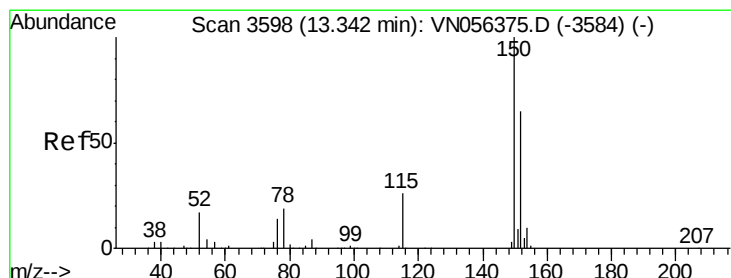
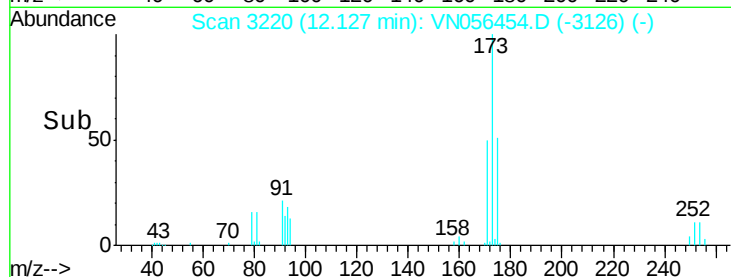
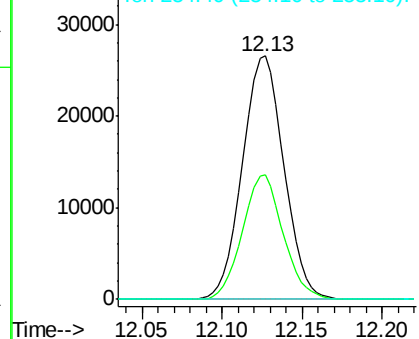
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:14:23 AM

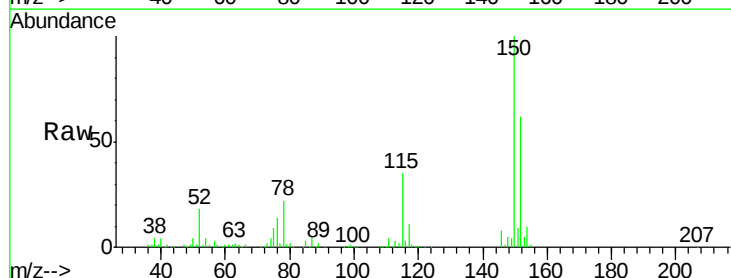


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

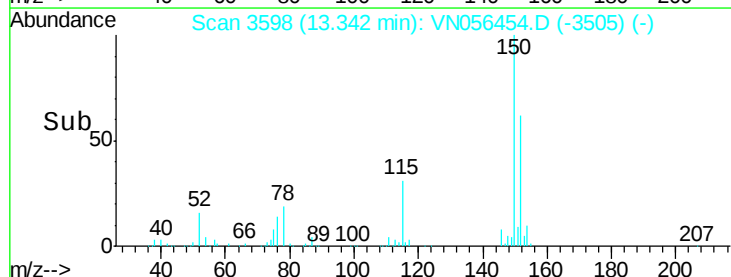
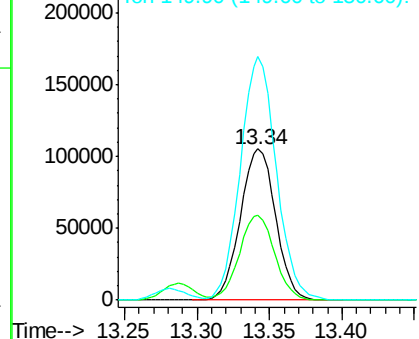


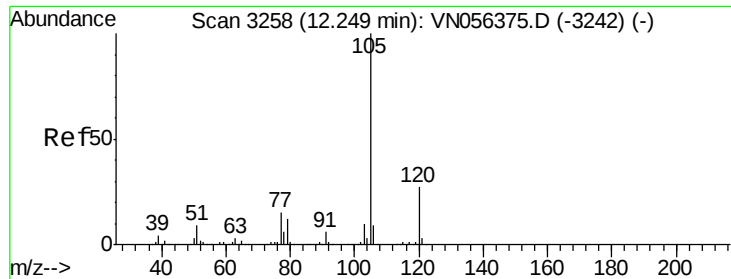
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.1	84.4
150	164.4	0.0	348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





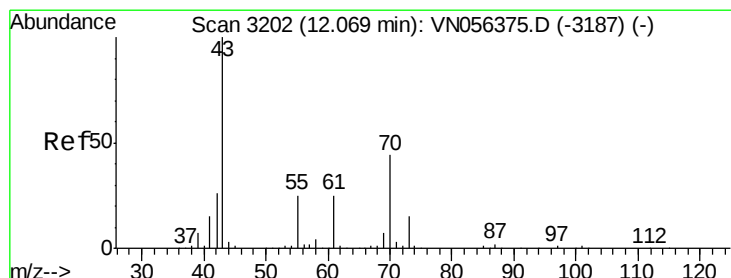
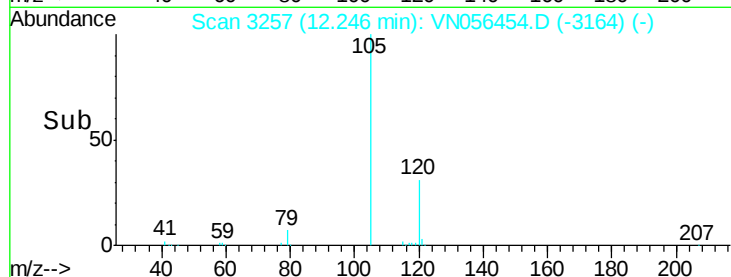
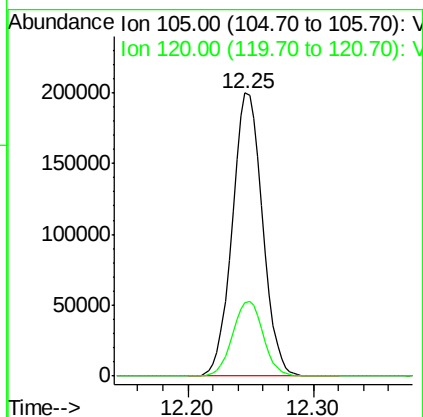
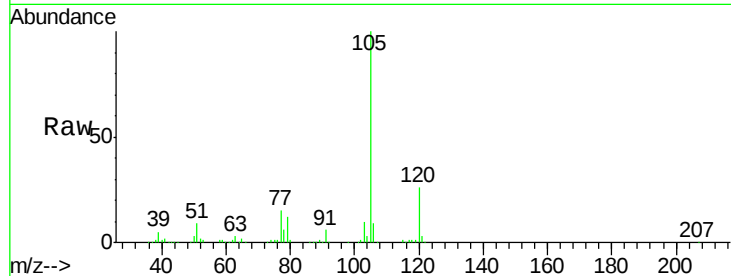
#73
Isopropylbenzene
Concen: 23.564 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2

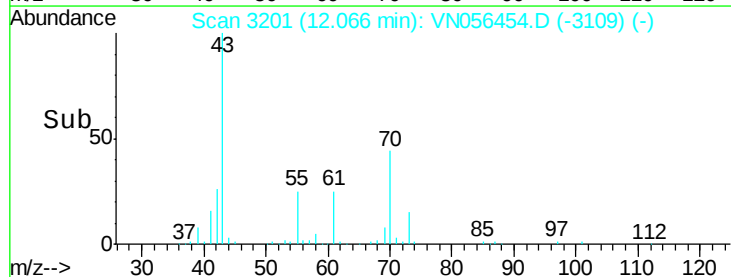
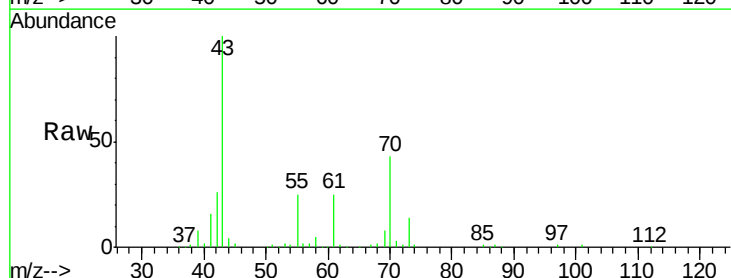
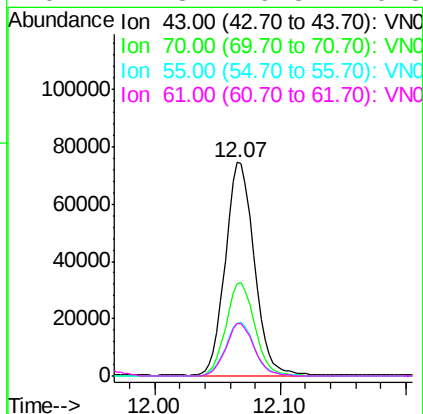
Manual Integrations
APPROVED

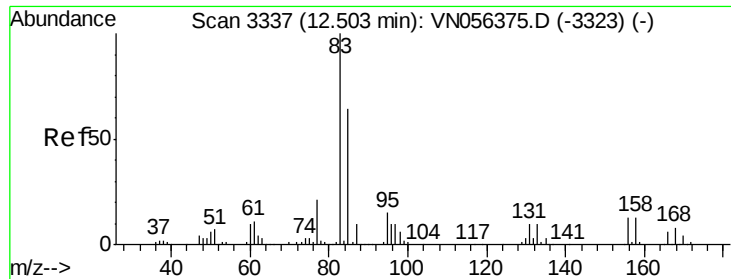
MMDadoda
6/26/2019 8:14:23 AM



#74
N-ethyl acetate
Concen: 21.103 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.0	34.9	52.3
55	25.4	20.4	30.6
61	24.3	19.8	29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.990 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

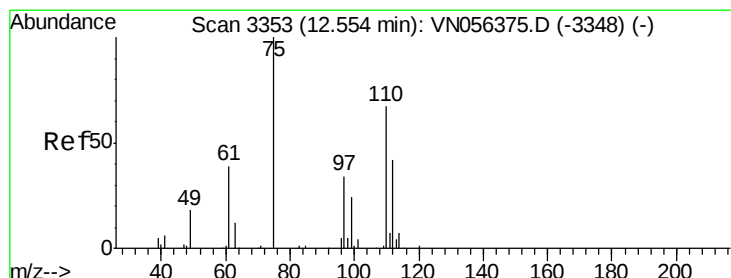
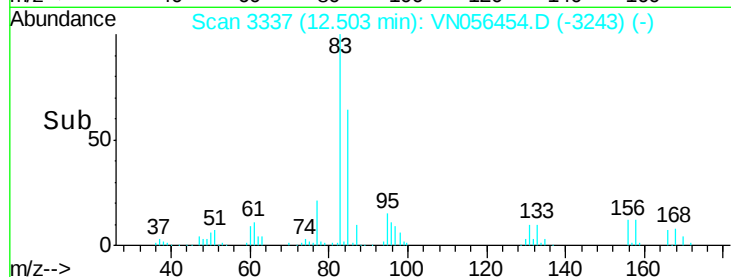
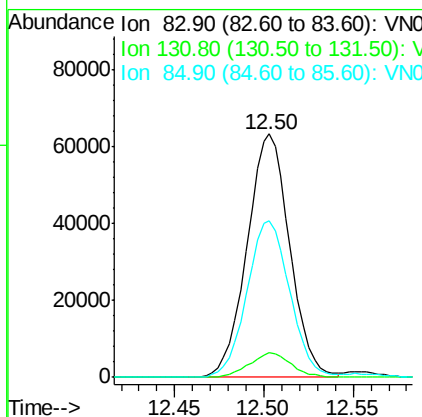
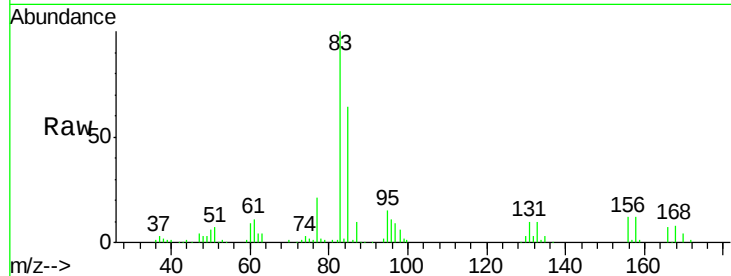
ClientSampleId :

VN0624WBSD01

Tot Ion:	83	Resp:	105720
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.3	15.8
85	64.5	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:14:23 AM



#76

1,2,3-Trichloropropane

Concen: 24.385 ug/l m

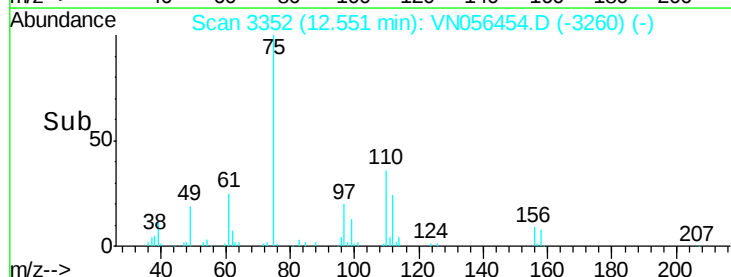
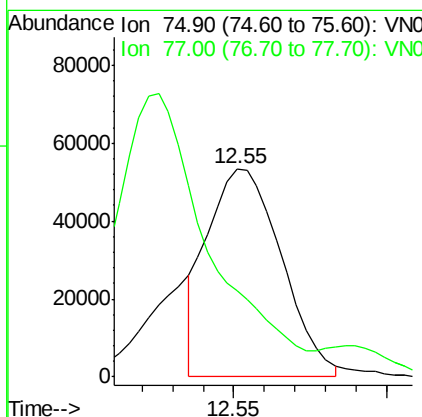
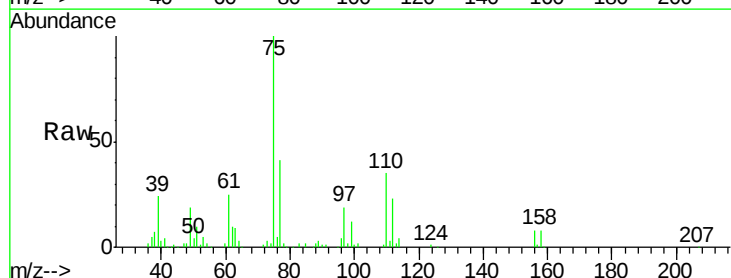
RT: 12.55 min Scan# 3352

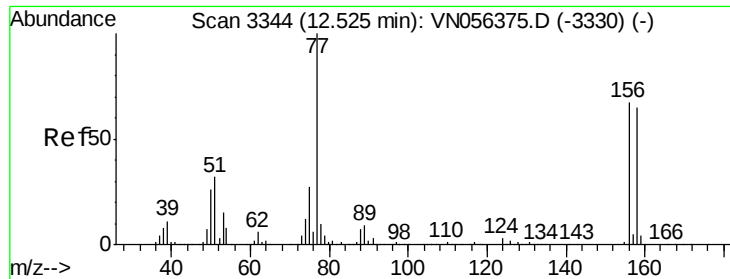
Delta R.T. -0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Tgt Ion:	75	Resp:	89837
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.319 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

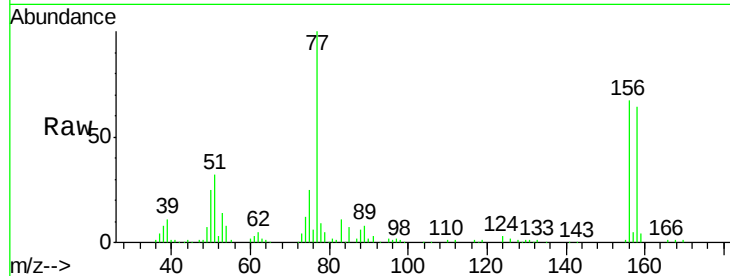
ClientSampleId :

VN0624WBSD01

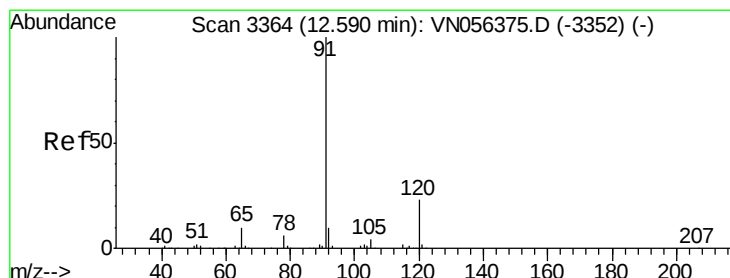
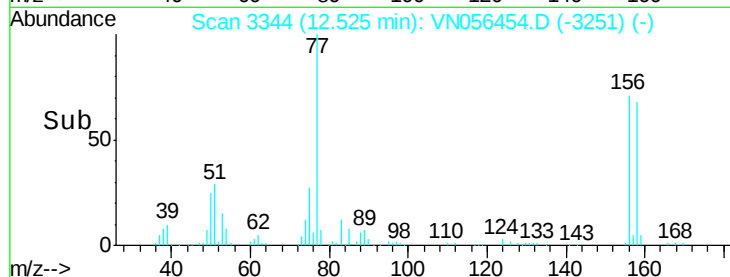
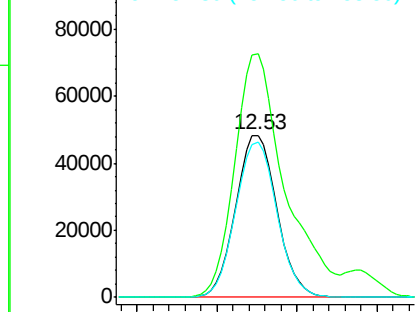
Tot Ion:	156	Resp:	84697
Ion Ratio	Lower	Upper	
156	100		
77	185.0	92.5	277.3
158	96.4	48.7	146.1

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:14:23 AM



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



#78

n-propylbenzene

Concen: 20.746 ug/l

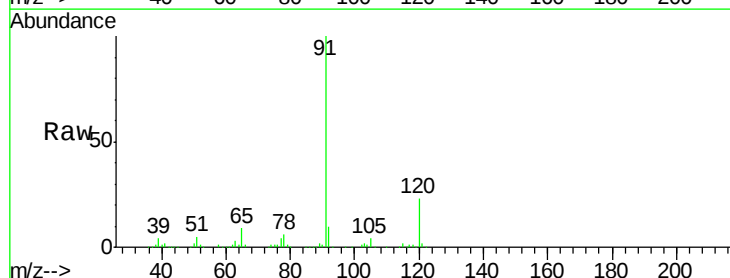
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

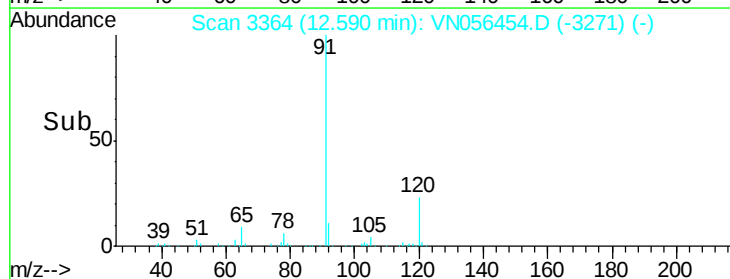
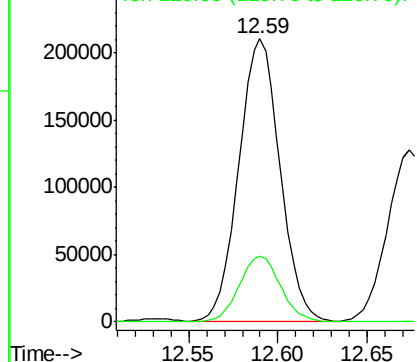
Lab File: VN056454.D

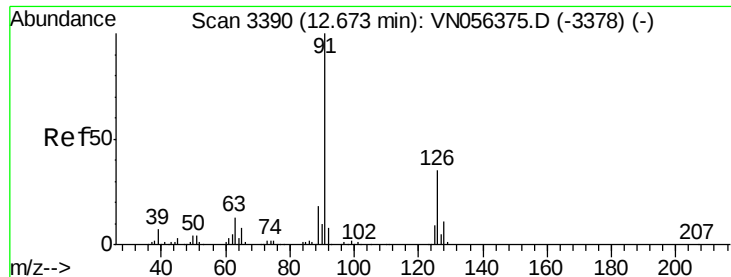
Acq: 24 Jun 2019 14:36

Tgt Ion:	91	Resp:	337555
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.8	35.4



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





#79

2-Chlorotoluene

Concen: 22.685 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBSD01

Tot Ion: 91 Resp: 214720

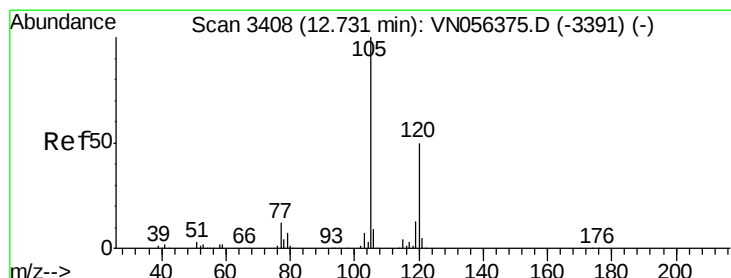
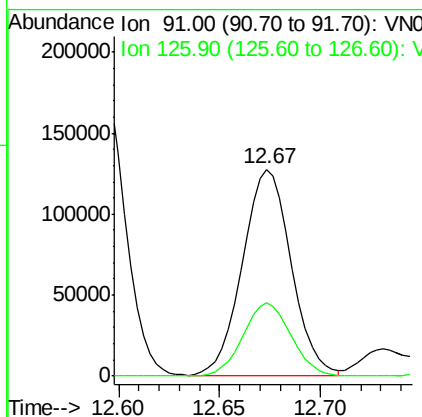
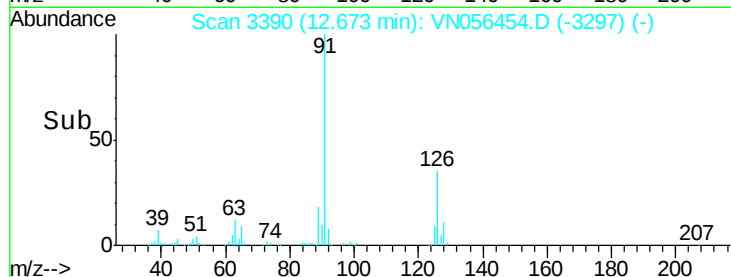
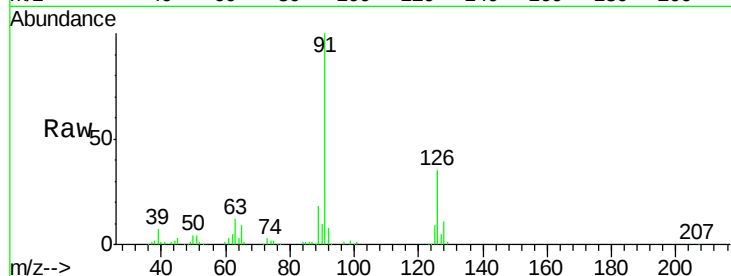
Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.8

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:14:23 AM



#80

1,3,5-Trimethylbenzene

Concen: 22.408 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056454.D

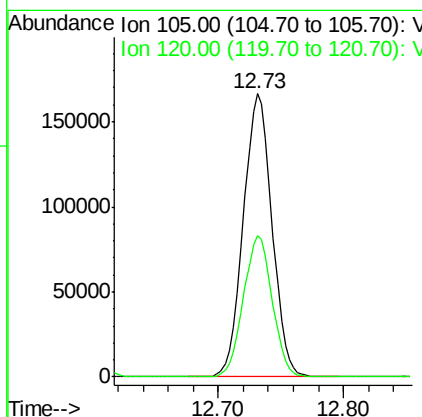
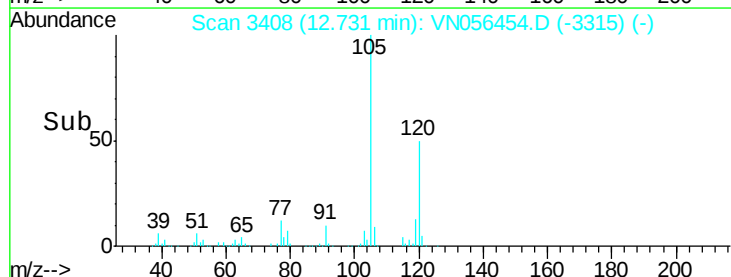
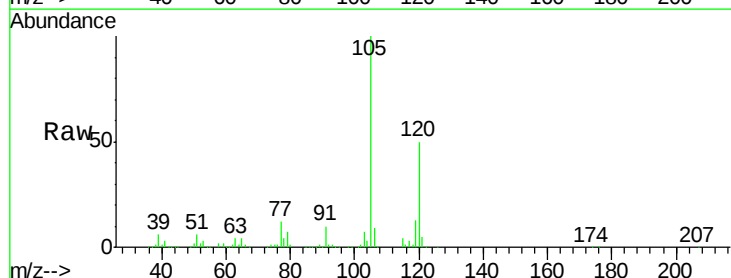
Acq: 24 Jun 2019 14:36

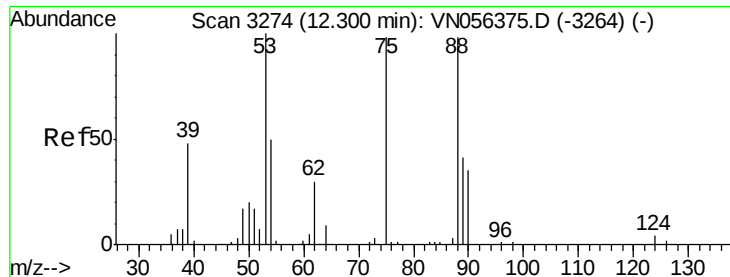
Tgt Ion: 105 Resp: 264499

Ion Ratio Lower Upper

105 100

120 50.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.609 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBSD01

Tot Ion: 75 Resp: 22399

Ion Ratio Lower Upper

75 100

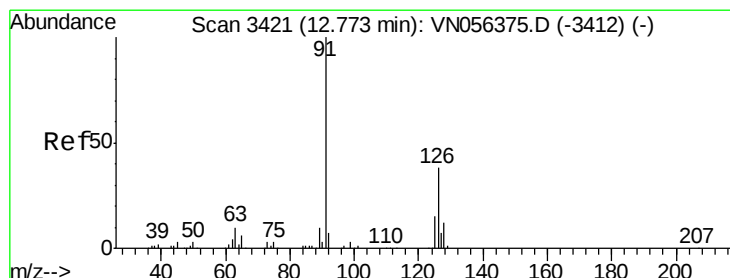
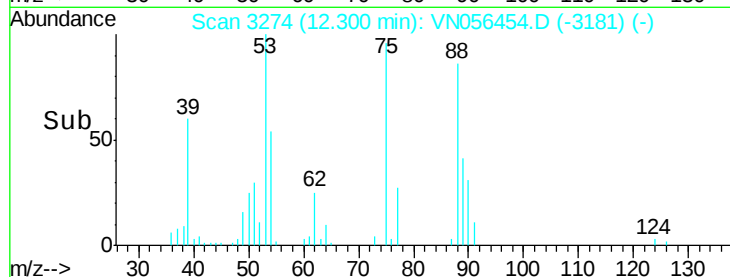
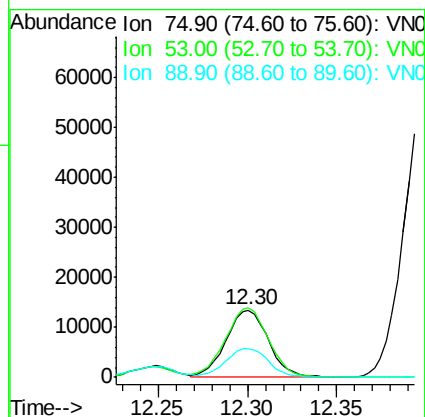
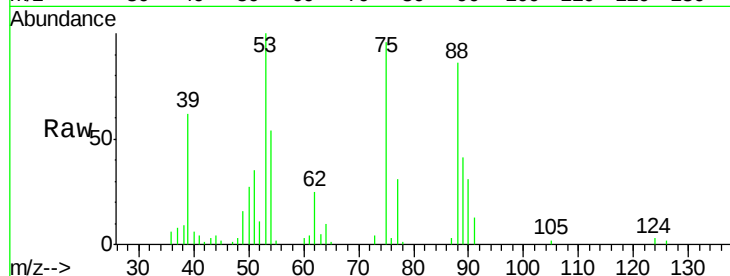
53 104.4 83.9 125.9

89 42.5 35.0 52.6

Manual Integrations
APPROVED

MMDadoda

6/26/2019 8:14:23 AM



#82

4-Chlorotoluene

Concen: 20.089 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056454.D

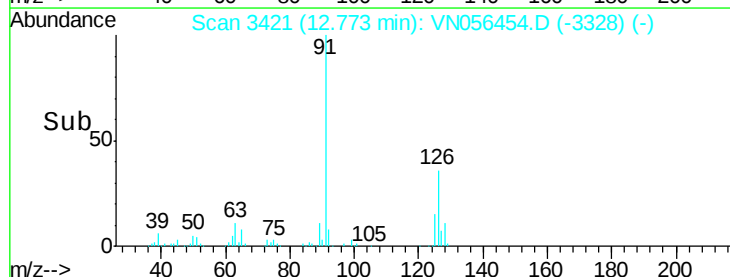
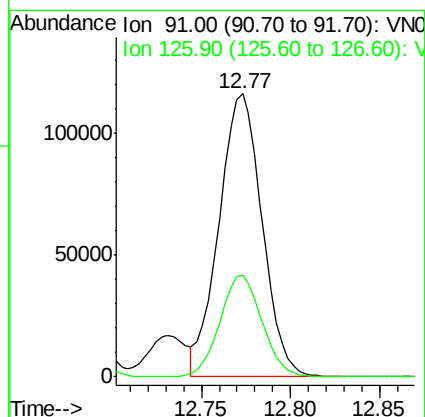
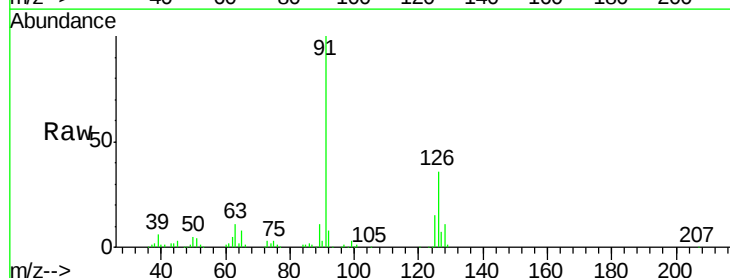
Acq: 24 Jun 2019 14:36

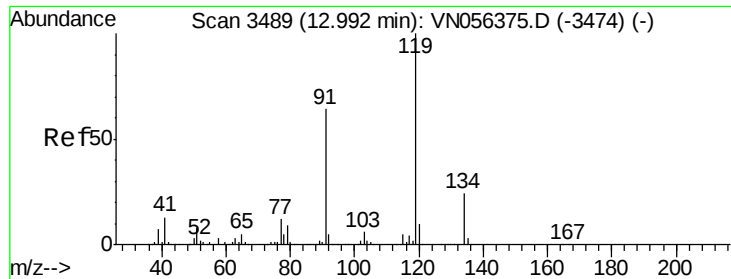
Tgt Ion: 91 Resp: 192996

Ion Ratio Lower Upper

91 100

126 35.3 17.3 52.0





#83

tert-Butylbenzene

Concen: 23.403 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

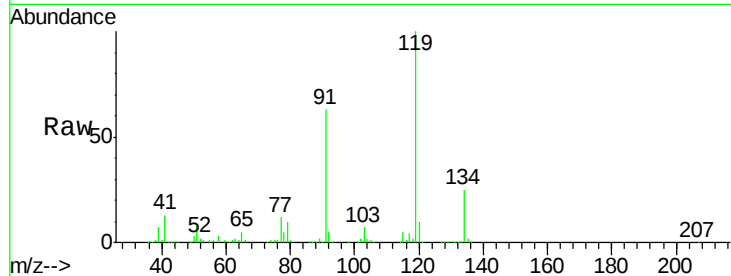
ClientSampleId :

VN0624WBSD01

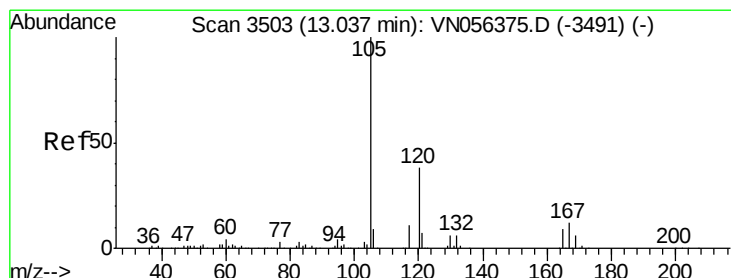
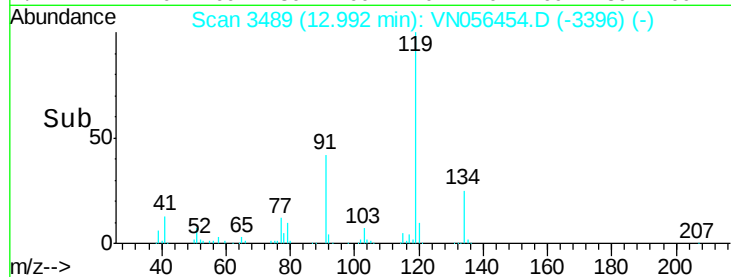
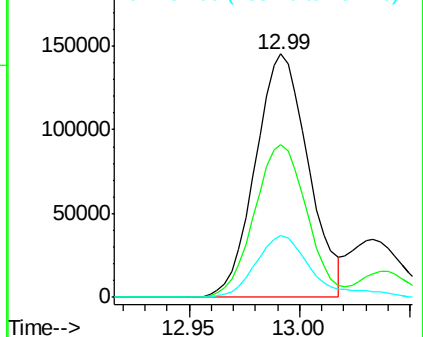
Tot Ion:	119	Resp:	242331
Ion Ratio	Lower	Upper	
119	100		
91	62.2	31.6	94.7
134	27.2	13.2	39.5

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:14:23 AM



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.893 ug/l

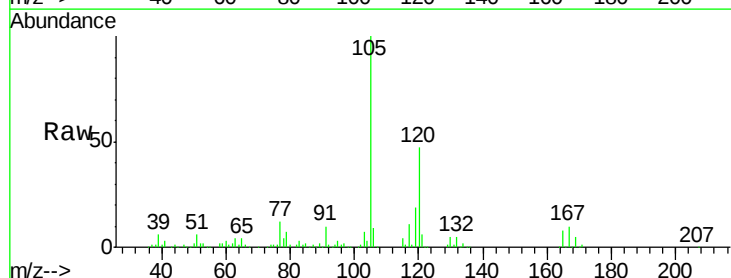
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

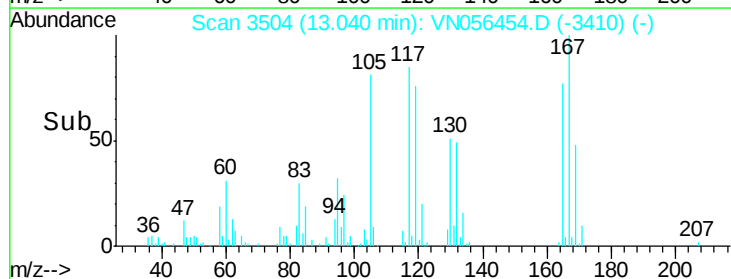
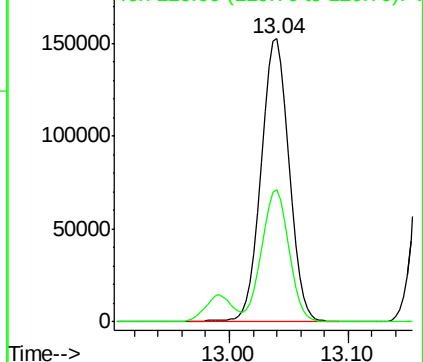
Lab File: VN056454.D

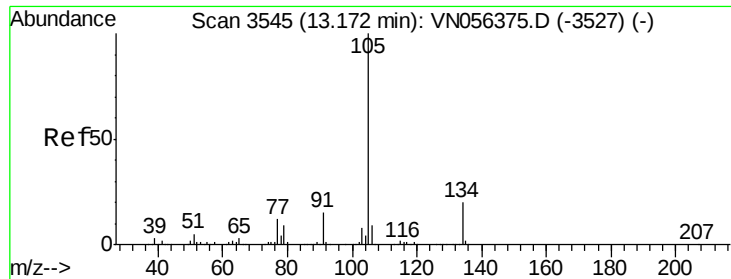
Acq: 24 Jun 2019 14:36

Tgt Ion:	105	Resp:	249894
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.9	68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.015 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBSD01

Tot Ion:105 Resp: 300538

Ion Ratio Lower Upper

105 100

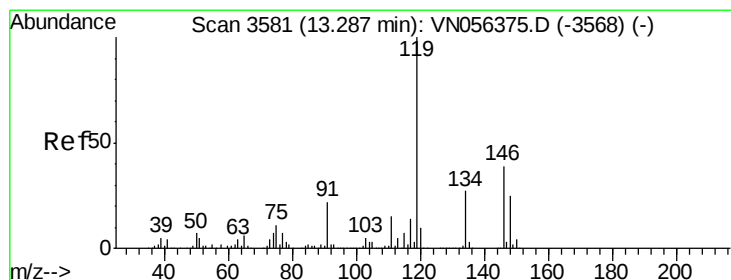
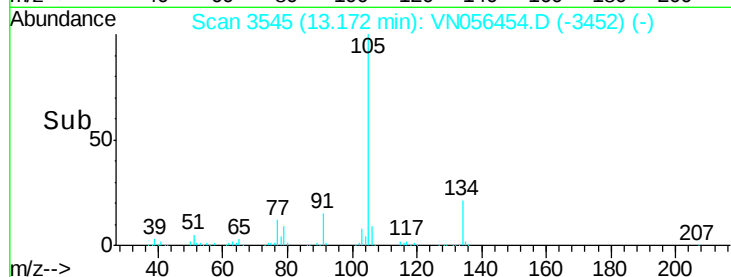
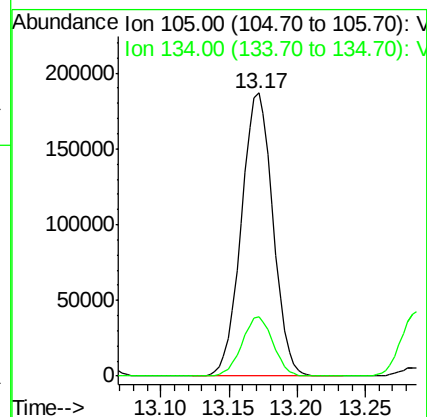
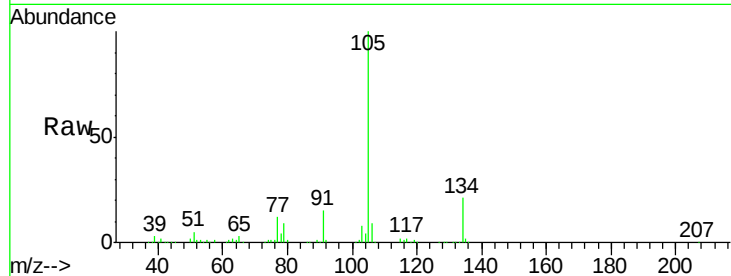
134 20.7 10.2 30.4

Manual Integrations

APPROVED

MMDadoda

6/26/2019 8:14:23 AM



#86

p-Isopropyltoluene

Concen: 20.317 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

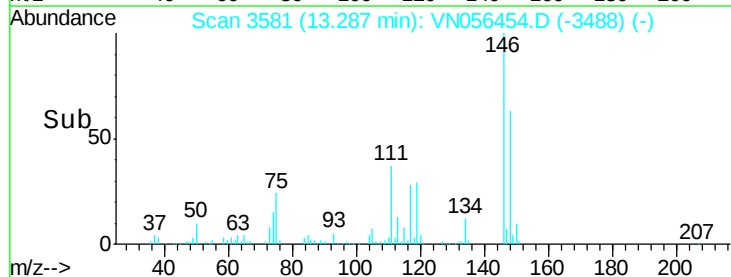
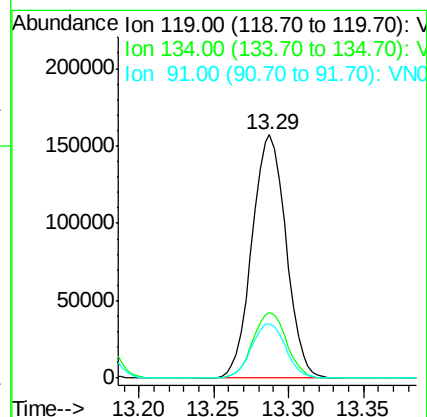
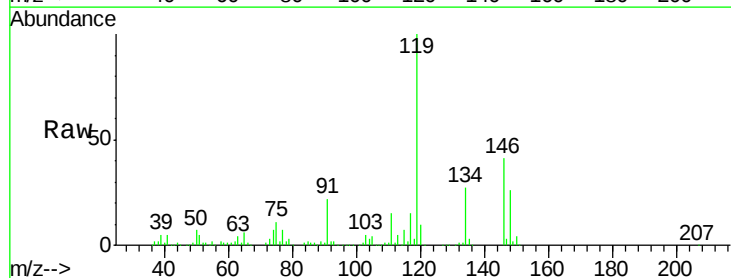
Tgt Ion:119 Resp: 249358

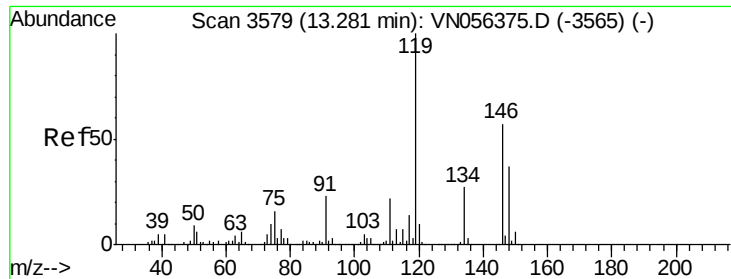
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 22.5 11.2 33.5





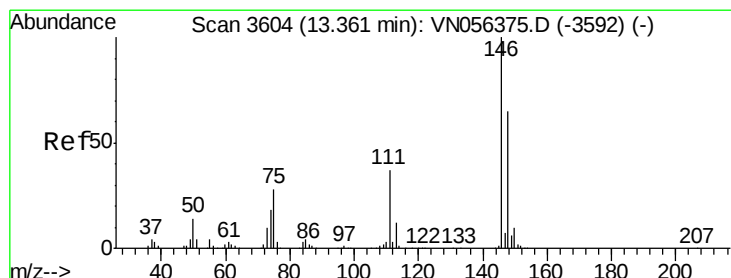
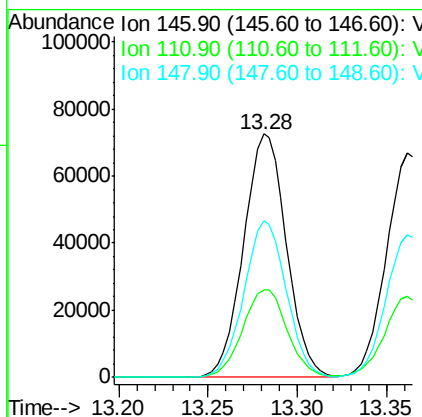
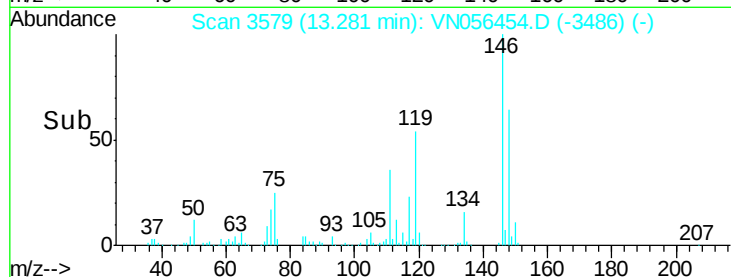
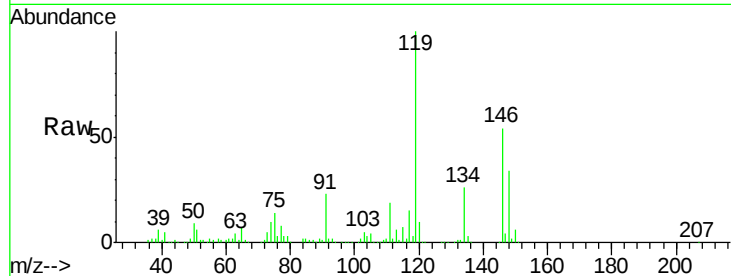
#87
 1,3-Dichlorobenzene
 Concen: 20.191 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	121563		
111	37.4	18.9	56.9	
148	63.6	32.1	96.5	

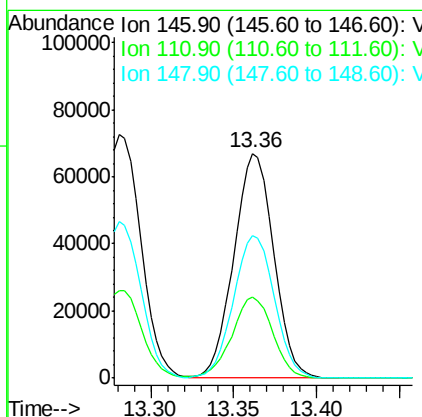
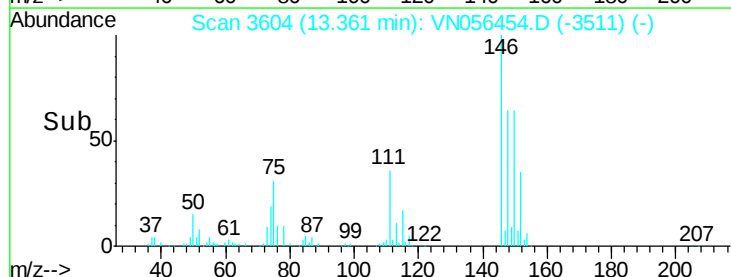
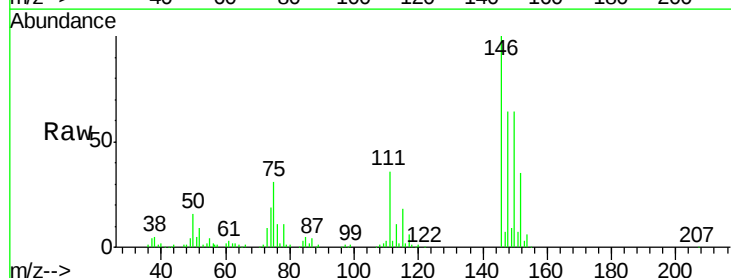
Manual Integrations
 APPROVED

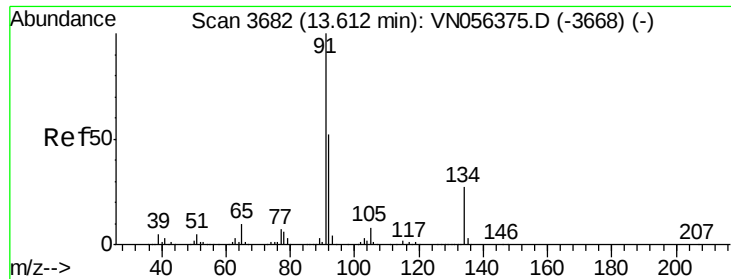
MMDadoda
 6/26/2019 8:14:23 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.295 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	112506		
111	37.1	18.4	55.4	
148	65.0	32.4	97.0	





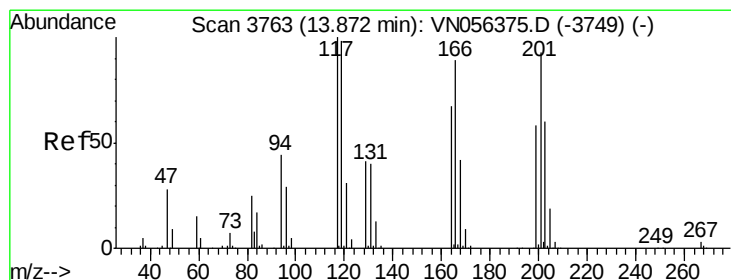
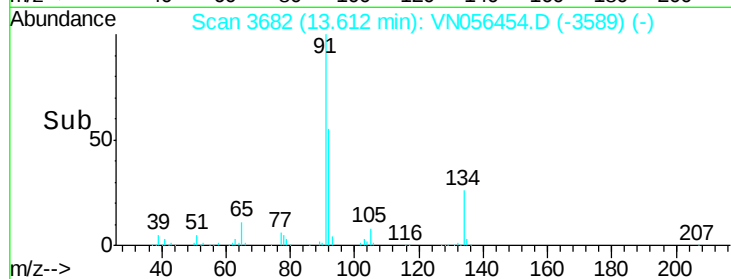
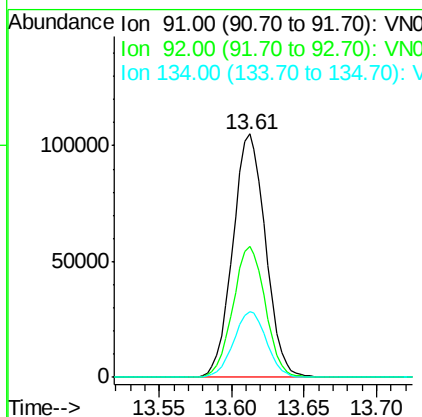
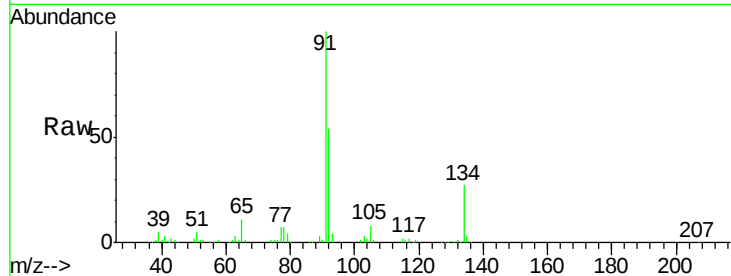
#89
n-Butylbenzene
Concen: 17.729 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.2	78.5
134	27.0	13.4	40.2

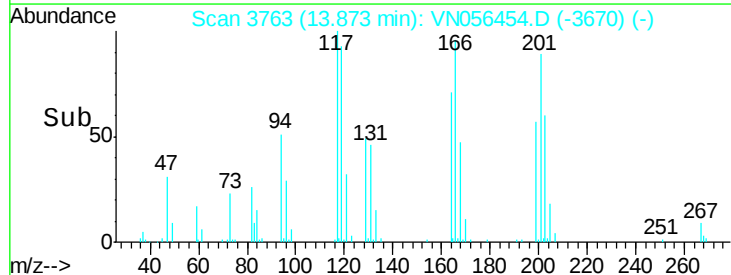
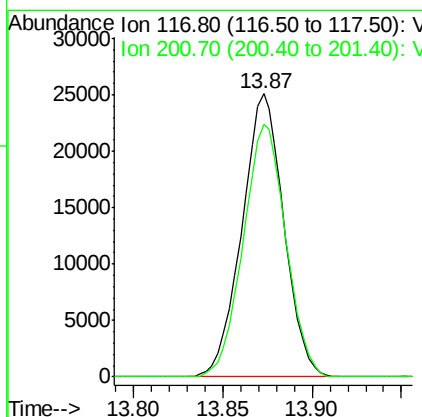
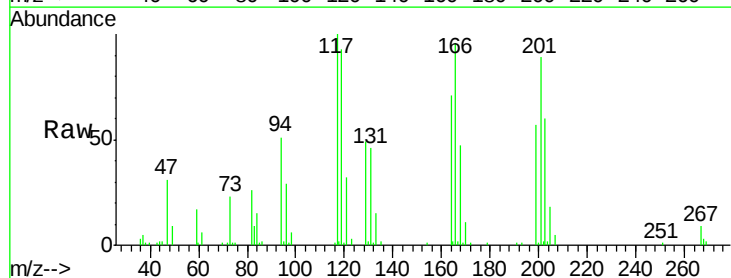
Manual Integrations
APPROVED

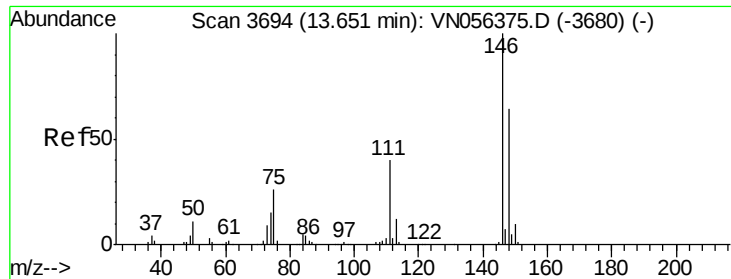
MMDadoda
6/26/2019 8:14:23 AM



#90
Hexachloroethane
Concen: 21.521 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056454.D
Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	45.9	137.6





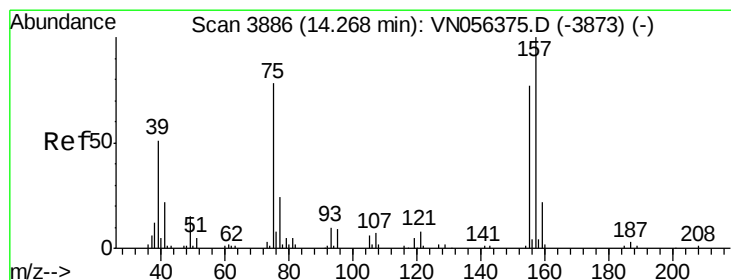
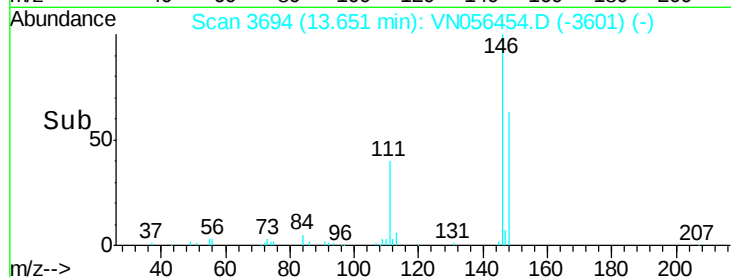
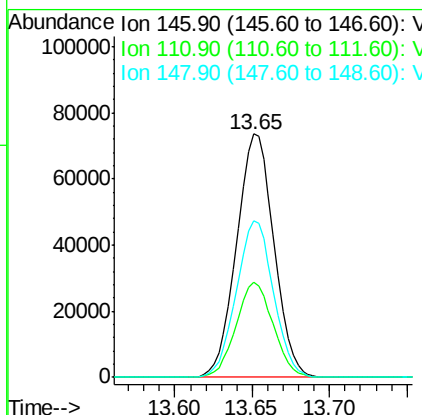
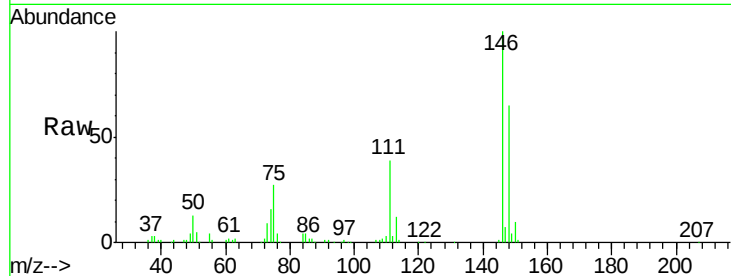
#91
 1,2-Dichlorobenzene
 Concen: 20.661 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	63.9	32.0	96.0

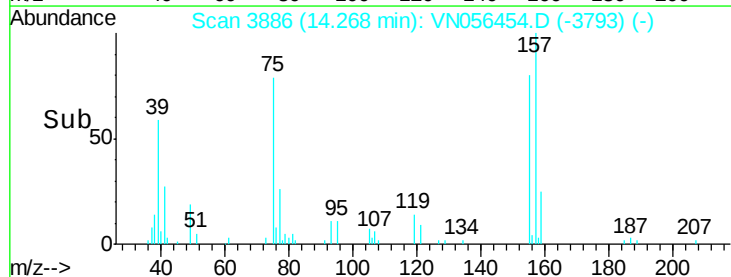
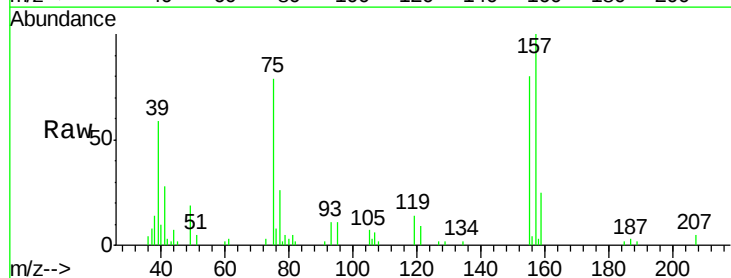
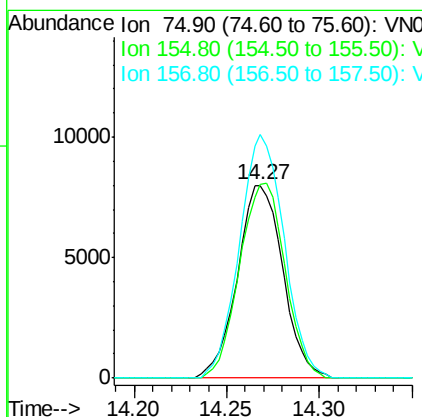
Manual Integrations
 APPROVED

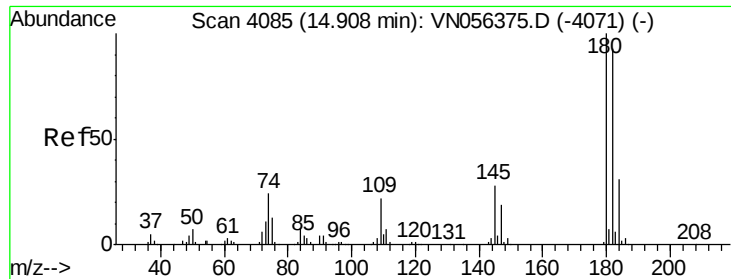
MMDadoda
 6/26/2019 8:14:23 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.812 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.0	48.9	146.8
157	124.0	62.9	188.8





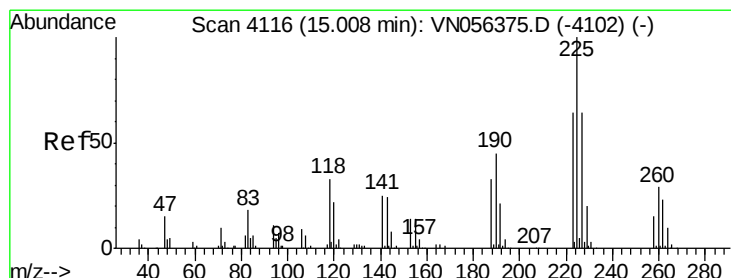
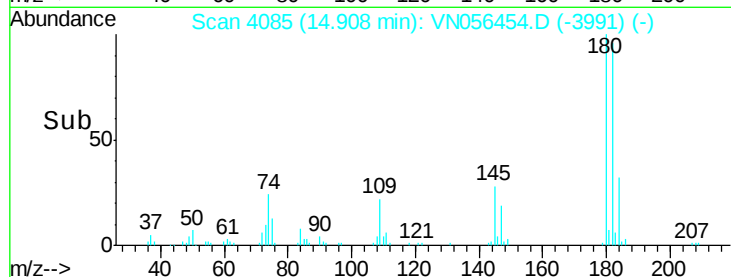
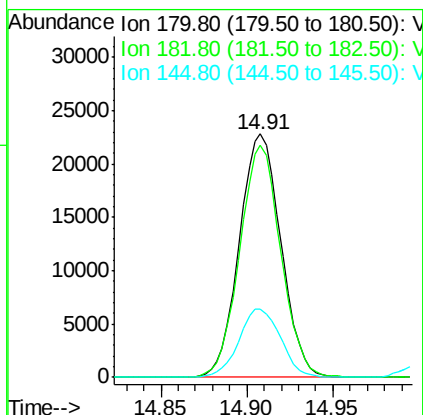
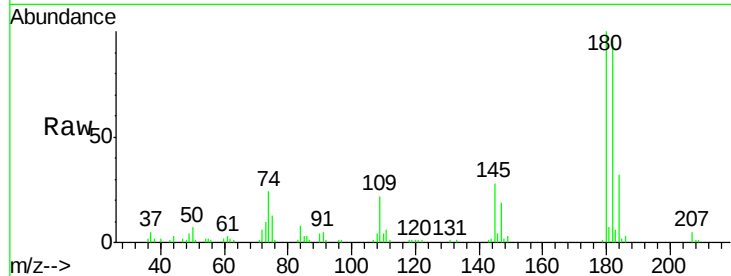
#93
 1,2,4-Trichlorobenzene
 Concen: 16.500 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.9	140.6
145	28.2	14.4	43.0

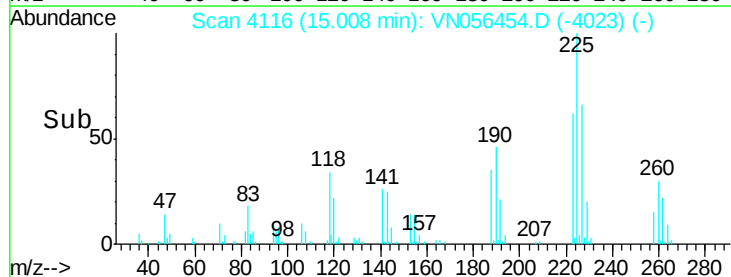
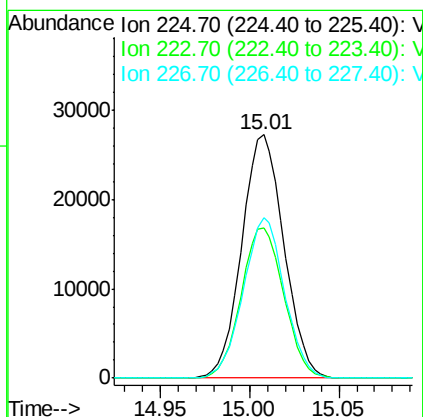
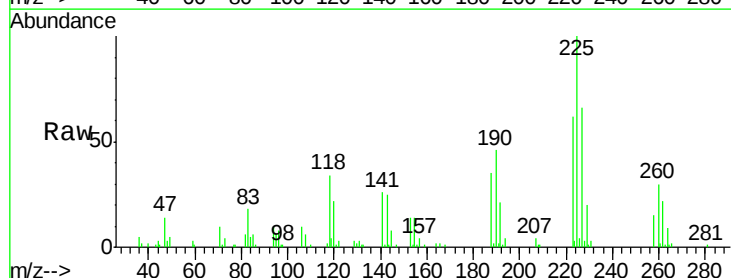
Manual Integrations
 APPROVED

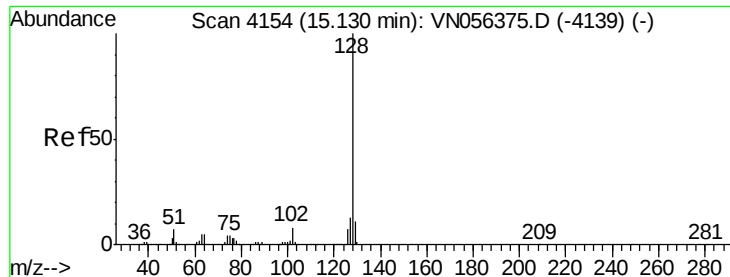
MMDadoda
 6/26/2019 8:14:23 AM



#94
 Hexachlorobutadiene
 Concen: 21.106 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056454.D
 Acq: 24 Jun 2019 14:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.4	94.3
227	64.4	32.1	96.3





#95

Naphthalene

Concen: 17.255 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Instrument :

MSVOA_N

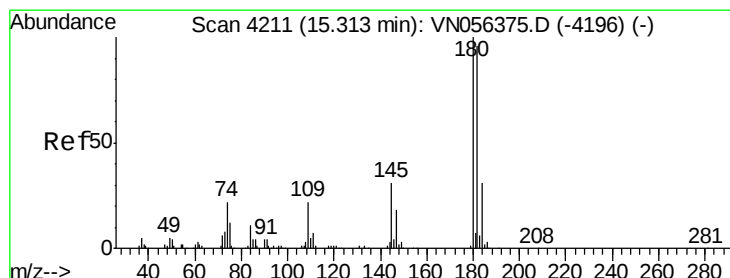
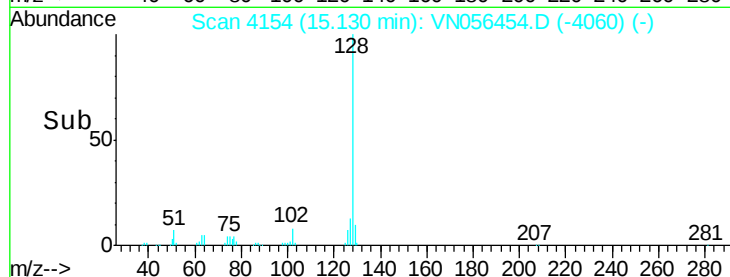
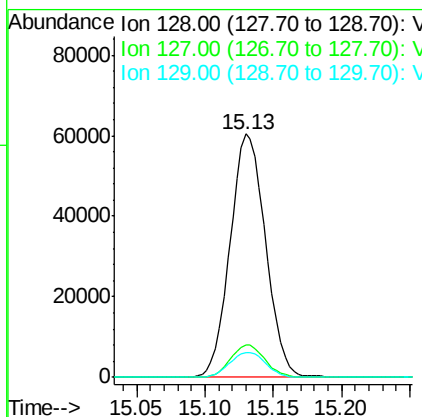
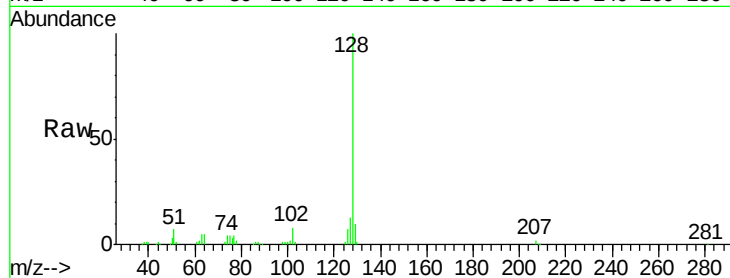
ClientSampleId :

VN0624WBSD01

Tot Ion:	128	Resp:	109084
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:14:23 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.577 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056454.D

Acq: 24 Jun 2019 14:36

Tgt Ion:	180	Resp:	46363
Ion Ratio	Lower	Upper	
180	100		
182	93.7	48.3	144.8
145	29.8	15.4	46.1

