

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056576.D
 Acq On : 3 Jul 2019 9:33
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:04:47 AM

Quant Time: Jul 03 10:46:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 10:43:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	50099	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	277646	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	240074	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	103875	33.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	111.30%
60) 4-Bromofluorobenzene	12.40	95	107728	30.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.90%
63) Toluene-d8	10.09	98	340921	31.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	50103	17.781	ug/l 97
3) Chloromethane	2.06	50	70896	21.534	ug/l 99
4) Vinyl Chloride	2.18	62	66131	19.701	ug/l 99
5) Bromomethane	2.54	94	38209m	18.112	ug/l
6) Chloroethane	2.69	64	36934	19.453	ug/l 93
7) Trichlorofluoromethane	3.01	101	86508	20.830	ug/l 97
8) Diethyl Ether	3.41	74	36313	20.616	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	54306	21.183	ug/l 96
10) 1,1-Dichloroethene	3.73	96	53690	20.530	ug/l 95
11) Methyl Iodide	3.95	142	71363	17.296	ug/l 98
12) Methyl Acetate	4.33	43	67892	21.604	ug/l 98
13) Acrolein	3.61	56	34700	226.544	ug/l 95
14) Acrylonitrile	4.99	53	156750	111.850	ug/l 100
15) Acetone	3.82	58	45275	98.666	ug/l 95
16) Carbon Disulfide	4.05	76	121104	19.462	ug/l 100
17) Allyl chloride	4.32	41	90320	22.291	ug/l 98
18) Methylene Chloride	4.55	84	62738	20.722	ug/l 95
19) trans-1,2-Dichloroethene	5.04	96	57605	20.636	ug/l 90
20) Diisopropyl ether	5.95	45	193319	23.028	ug/l 96
21) 1,1-Dichloroethane	5.85	63	109134	22.369	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	67290	20.653	ug/l 93
23) tert-Butyl Alcohol	4.80	59	53740	98.517	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	173094	20.769	ug/l 98
25) Chloroform	7.37	83	107019	21.967	ug/l 99
26) Cyclohexane	7.65	56	99292	21.937	ug/l # 95
29) 1,1-Dichloropropene	7.79	75	79026	21.042	ug/l 97
30) 2-Butanone	6.84	43	224423	113.508	ug/l 96
31) 2,2-Dichloropropane	6.82	77	74918	21.443	ug/l 96
32) 1,1,1-Trichloroethane	7.57	97	84559	20.379	ug/l 99
33) Carbon Tetrachloride	7.78	117	70017	19.917	ug/l 99
34) Benzene	8.04	78	248663	20.780	ug/l 99
35) Methacrylonitrile	7.18	41	41307	24.741	ug/l 95
36) 1,2-Dichloroethane	8.12	62	80724	21.537	ug/l 98
37) Trichloroethene	8.84	130	63999	19.113	ug/l 92
38) Methylcyclohexane	9.08	83	98654	20.720	ug/l 98
39) 1,2-Dichloropropane	9.12	63	67444	22.007	ug/l 95
40) Dibromomethane	9.21	93	41461	20.404	ug/l 92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056576.D
 Acq On : 3 Jul 2019 9:33
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:04:47 AM

Quant Time: Jul 03 10:46:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 10:43:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	74550	20.488	ug/l	99
42) Vinyl Acetate	5.90	43	779843	110.634	ug/l	98
43) Ethyl Acetate	6.93	43	85834	22.684	ug/l	95
44) Isopropyl Acetate	8.17	43	130520	22.215	ug/l	99
45) 1,4-Dioxane	9.20	88	26348	419.227	ug/l	90
46) Methyl methacrylate	9.20	41	63109	21.622	ug/l	97
47) n-amyl Acetate	12.07	43	105308	21.674	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	77512	20.242	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	91006	20.296	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	61052	20.228	ug/l	97
51) Ethyl methacrylate	10.43	69	94871	20.777	ug/l	96
52) 1,3-Dichloropropane	10.71	76	102933	21.036	ug/l	99
53) Dibromochloromethane	10.90	129	57612	19.500	ug/l	98
54) 1,2-Dibromoethane	11.00	107	62199	19.749	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	242654	151.716	ug/l	98
56) Bromoform	12.13	173	39596	18.525	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	423972	116.626	ug/l	96
59) 2-Hexanone	10.75	43	311940	120.054	ug/l	98
61) Tetrachloroethene	10.63	164	59818	17.878	ug/l	97
62) Toluene	10.16	91	263335	20.319	ug/l	99
64) Chlorobenzene	11.43	112	156536	19.913	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	55454	19.563	ug/l	99
66) Ethyl Benzene	11.51	91	280960	20.354	ug/l	98
67) m/p-Xylenes	11.62	106	207524	39.277	ug/l	93
68) o-Xylene	11.95	106	102728	19.860	ug/l	96
69) Styrene	11.96	104	170096	20.240	ug/l	97
70) Isopropylbenzene	12.25	105	270304	20.001	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	88736	21.778	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	78187m	22.166	ug/l	
73) Bromobenzene	12.53	156	68857	19.195	ug/l	91
74) n-propylbenzene	12.59	91	298170	20.906	ug/l	97
75) 2-Chlorotoluene	12.67	91	181973	20.571	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	227213	20.439	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	21214	21.077	ug/l	89
78) 4-Chlorotoluene	12.77	91	175184	21.205	ug/l	98
79) tert-butylbenzene	12.99	119	192694	19.565	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	222403	20.566	ug/l	99
81) sec-Butylbenzene	13.17	105	254658	20.439	ug/l	98
82) p-Isopropyltoluene	13.29	119	227696	20.213	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	111020	19.859	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	106630	20.024	ug/l	98
85) n-Butylbenzene	13.61	91	184510	21.946	ug/l	97
86) Hexachloroethane	13.87	117	32408	18.454	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	116288	20.464	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14719	23.013	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	56175	20.267	ug/l	99
90) Hexachlorobutadiene	15.01	225	39559	19.070	ug/l	98
91) Naphthalene	15.13	128	156855	20.784	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	61051	20.525	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
Data File : VN056576.D
Acq On : 3 Jul 2019 9:33
Operator : JC/SP
Sample : VSTDICCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:04:47 AM

Quant Time: Jul 03 10:46:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 10:43:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

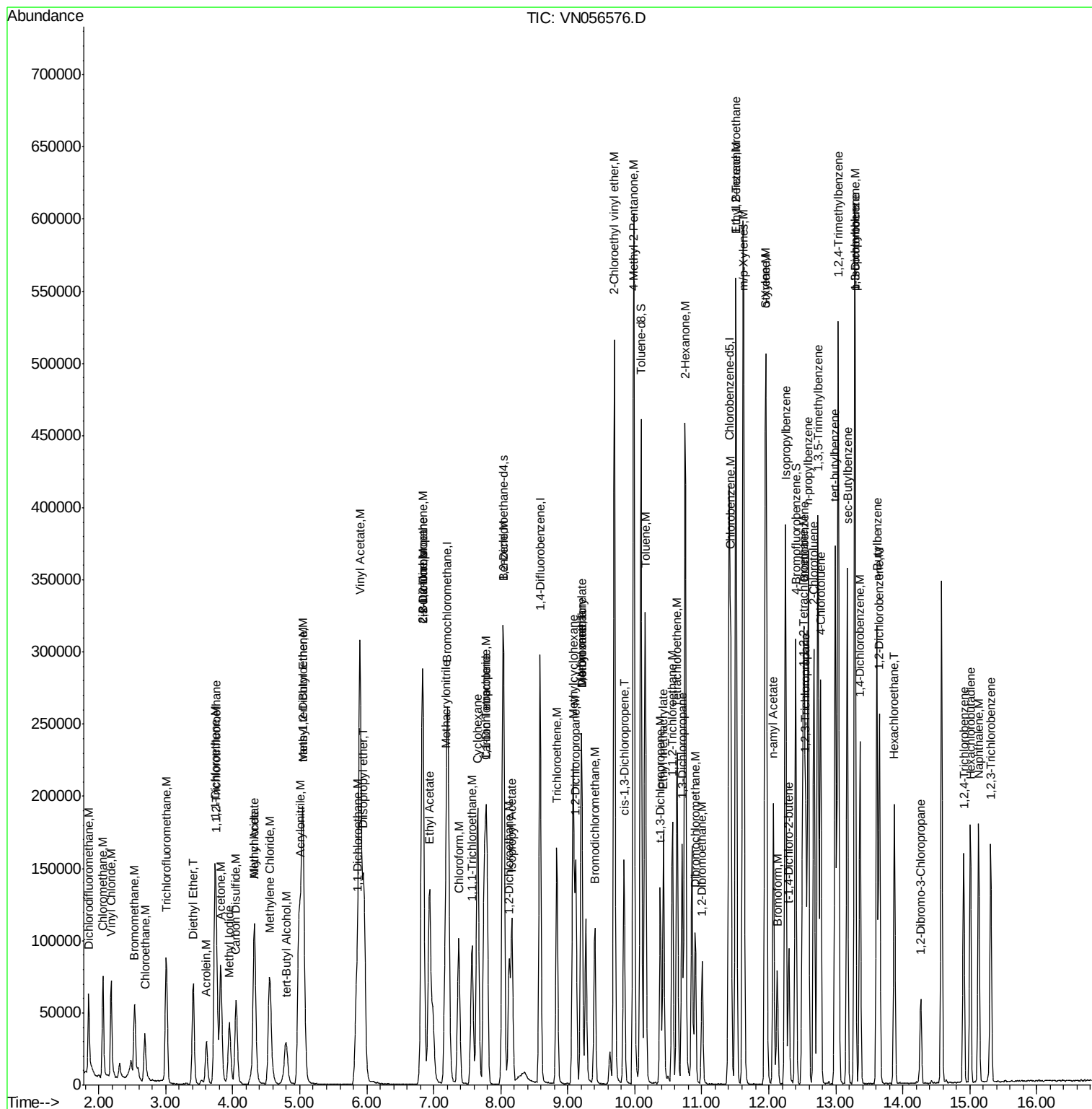
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056576.D
 Acq On : 3 Jul 2019 9:33
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

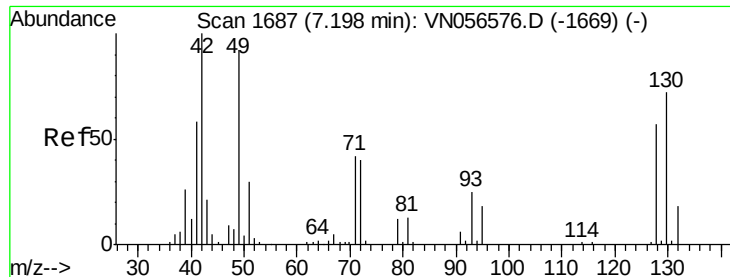
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:04:47 AM

Quant Time: Jul 03 10:46:10 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 10:43:13 2019
 Response via : Initial Calibration





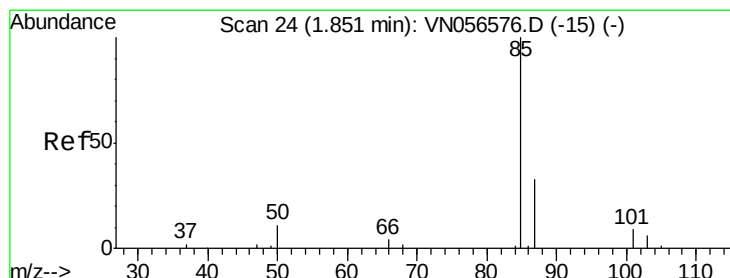
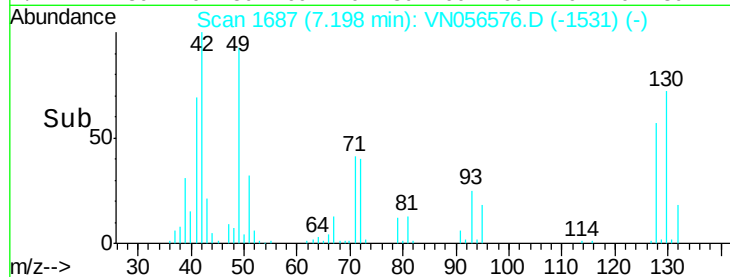
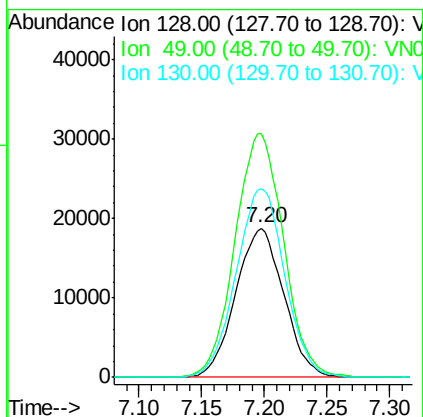
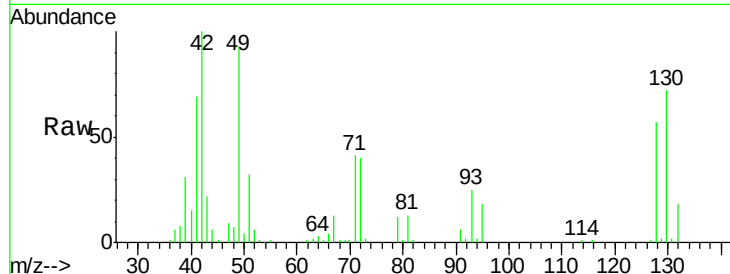
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	165.1	0.0	355.8
130	128.1	0.0	326.3

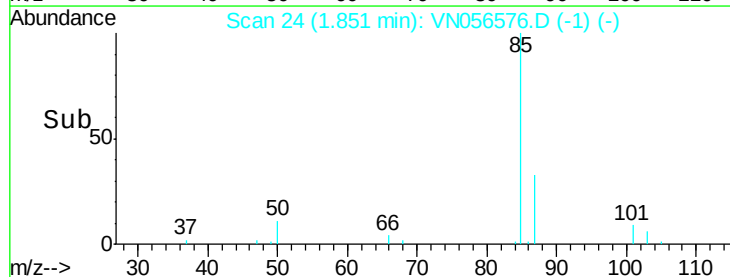
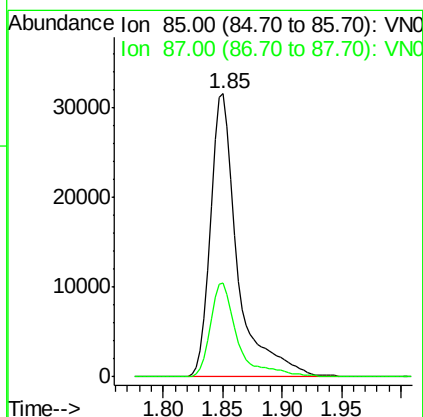
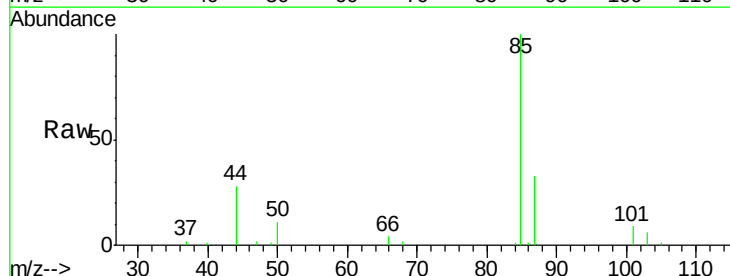
Manual Integrations
APPROVED

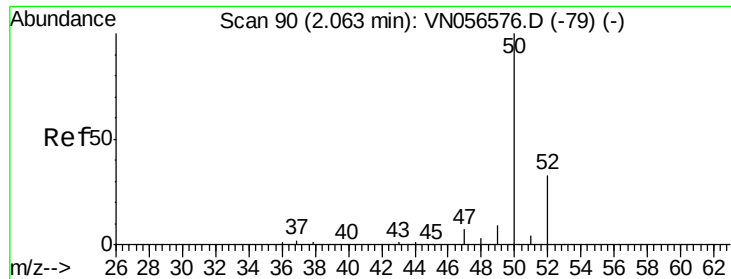
MMDadoda
7/8/2019 10:04:47 AM



#2
Dichlorodifluoromethane
Concen: 17.781 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.3	15.9	47.7





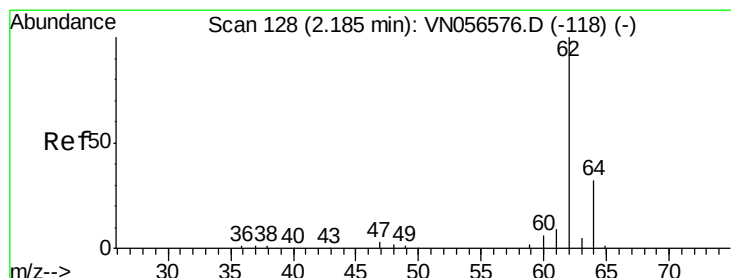
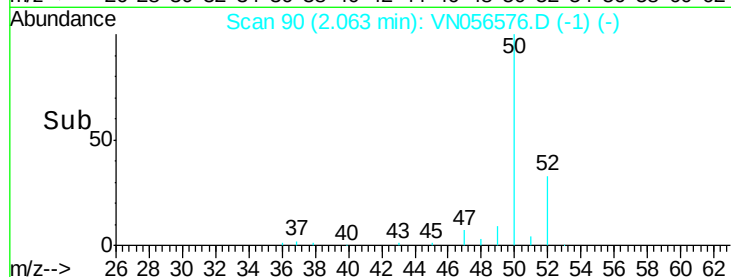
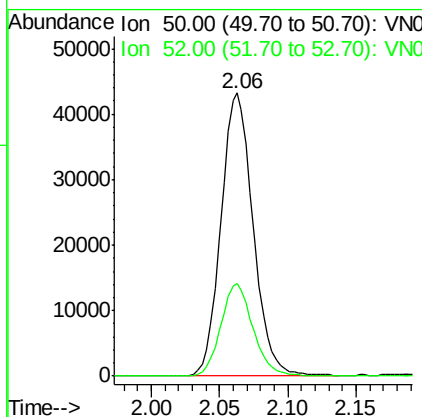
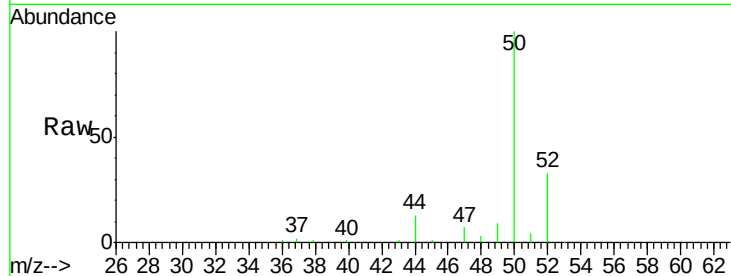
#3
Chloromethane
Concen: 21.534 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 50 Resp: 70896
Ion Ratio Lower Upper
50 100
52 32.9 26.7 40.1

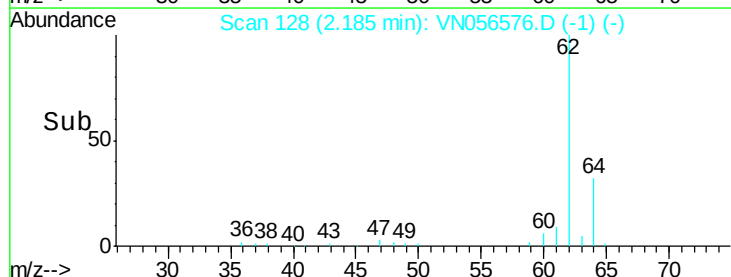
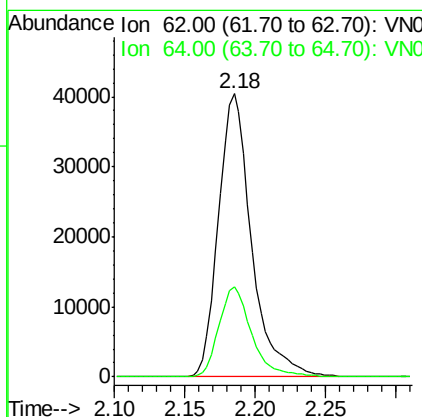
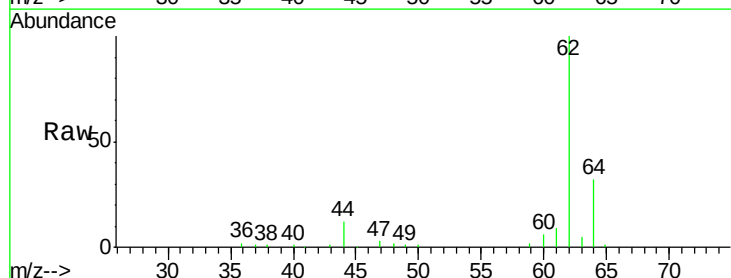
Manual Integrations
APPROVED

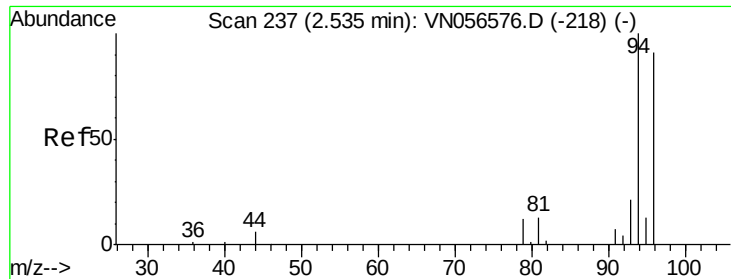
MMDadoda
7/8/2019 10:04:47 AM



#4
Vinyl Chloride
Concen: 19.701 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion: 62 Resp: 66131
Ion Ratio Lower Upper
62 100
64 31.8 25.8 38.8





#5

Bromomethane

Concen: 18.112 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 38209

Ion Ratio Lower Upper

94 100

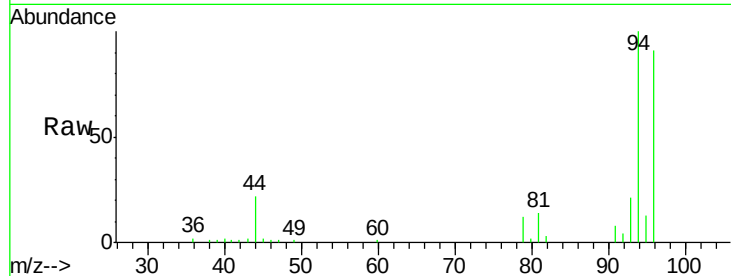
96 90.6 74.1 111.1

Manual Integrations

APPROVED

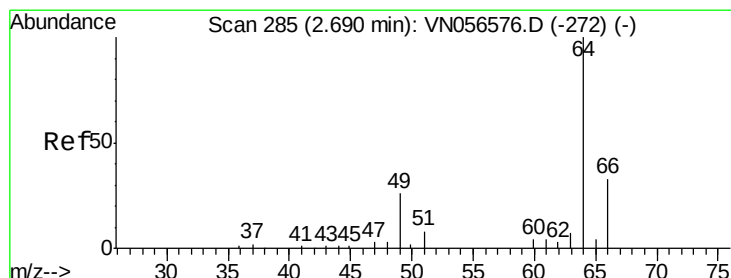
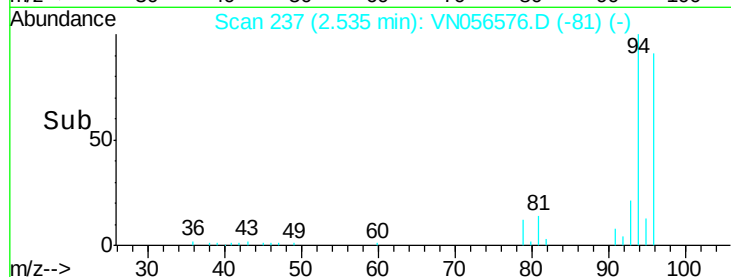
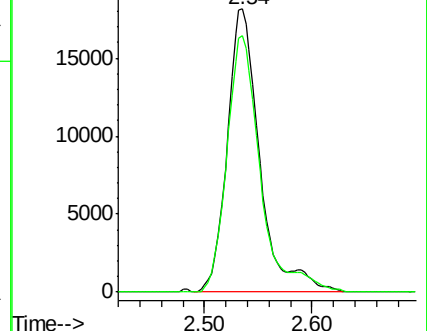
MMDadoda

7/8/2019 10:04:47 AM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.453 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN056576.D

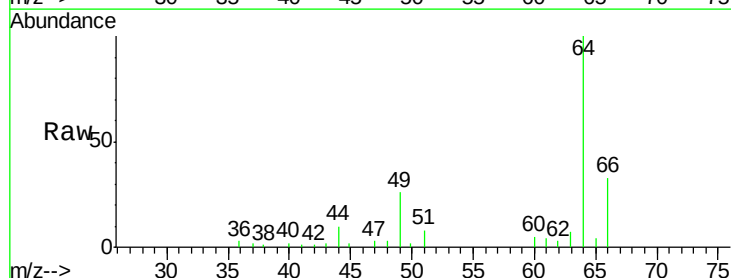
Acq: 3 Jul 2019 9:33

Tgt Ion: 64 Resp: 36934

Ion Ratio Lower Upper

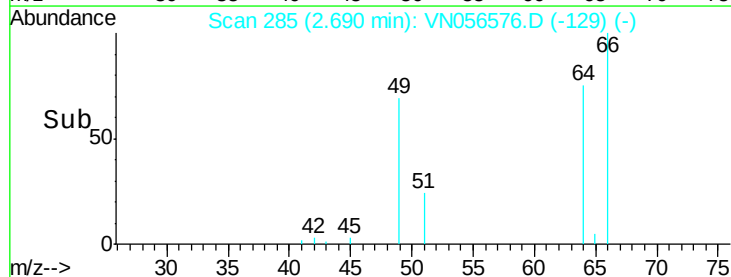
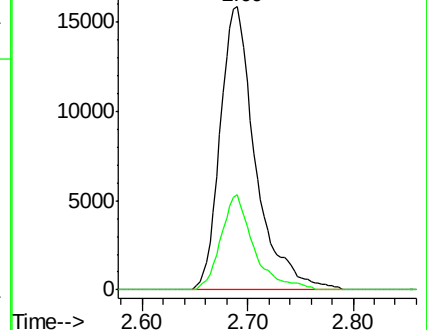
64 100

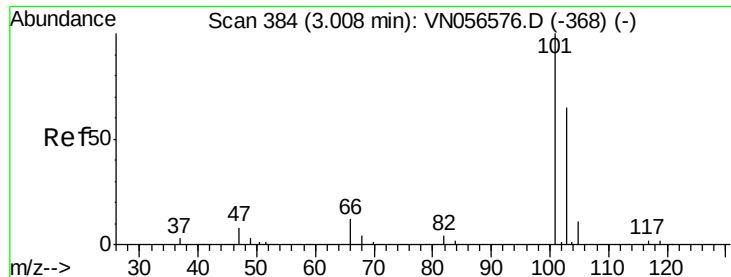
66 33.5 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

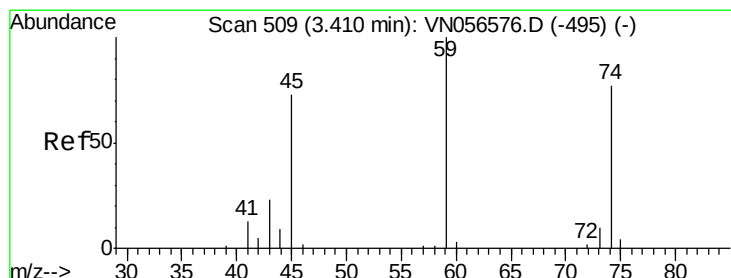
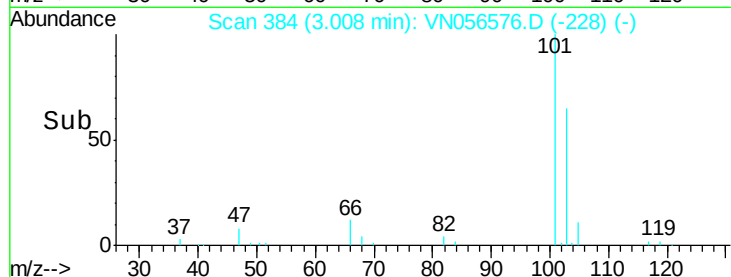
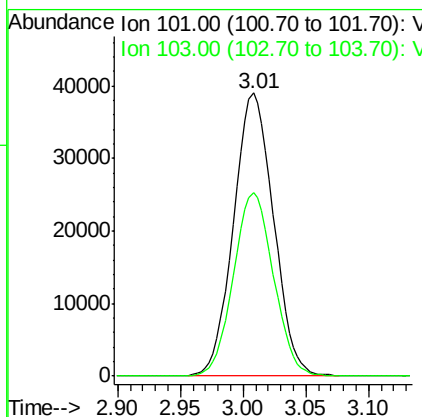
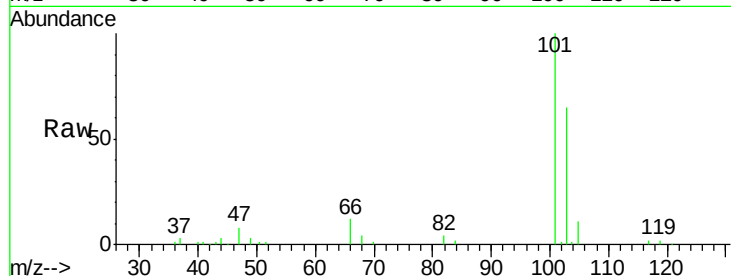
Trichlorofluoromethane
Concen: 20.830 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	53.4	80.0

Manual Integrations
APPROVED

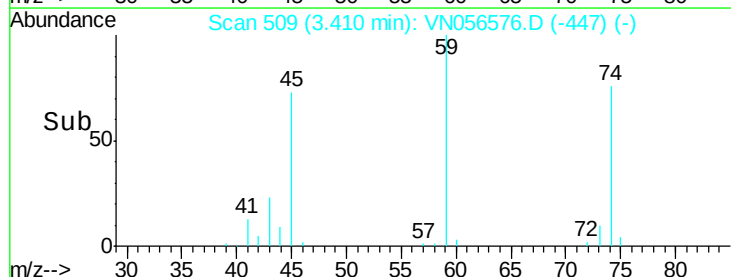
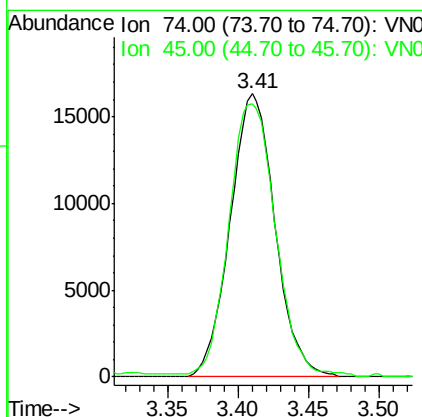
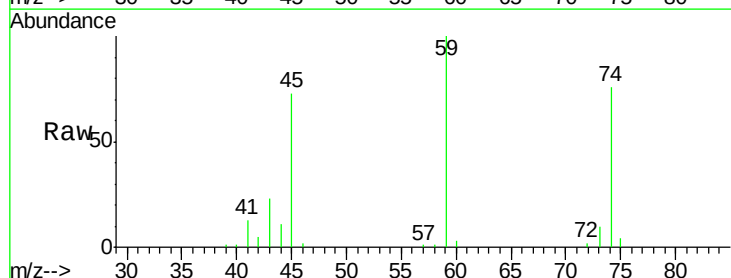
MMDadoda
7/8/2019 10:04:47 AM

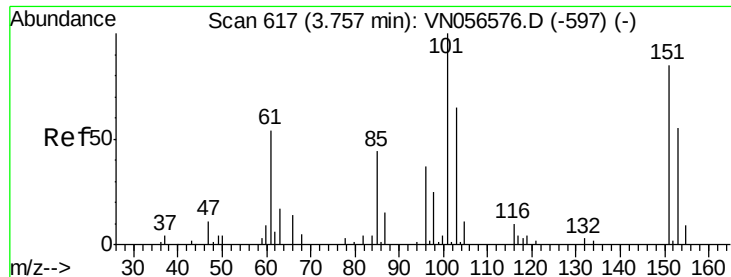


#8

Diethyl Ether
Concen: 20.616 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	18.8	169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.183 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Instrument :

MSVOA_N

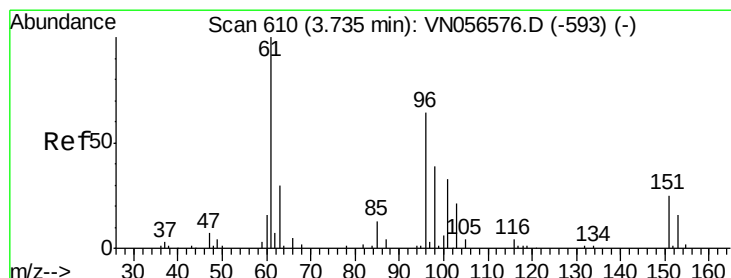
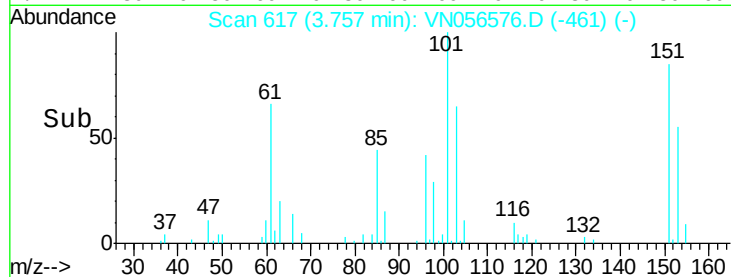
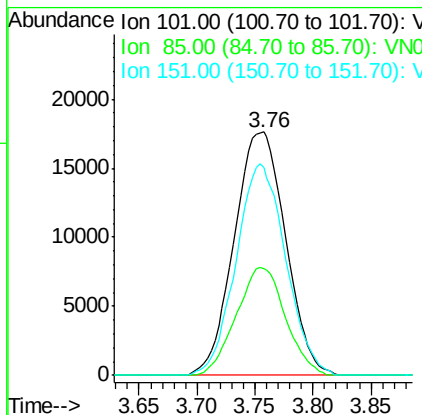
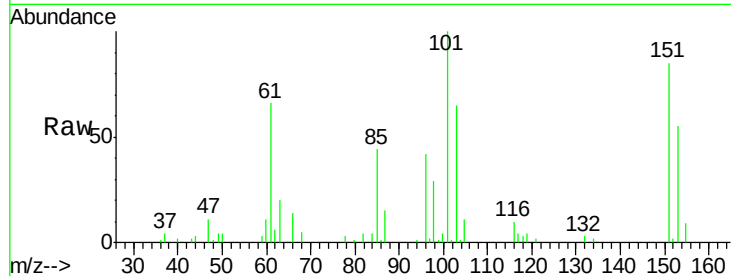
ClientSampled :

VSTDICCC020

Tot Ion:	101	Resp:	54306
Ion Ratio	Lower	Upper	
101	100		
85	42.5	0.0	82.0
151	84.0	0.0	177.0

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:04:47 AM



#10

1,1-Dichloroethene

Concen: 20.530 ug/l

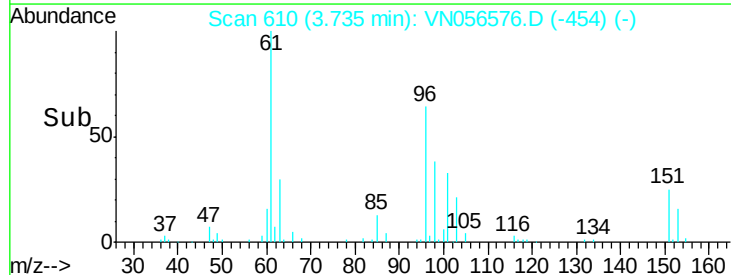
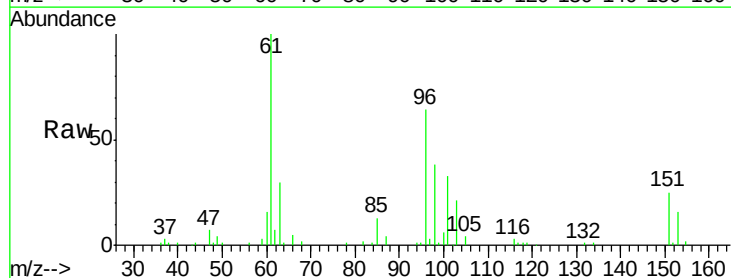
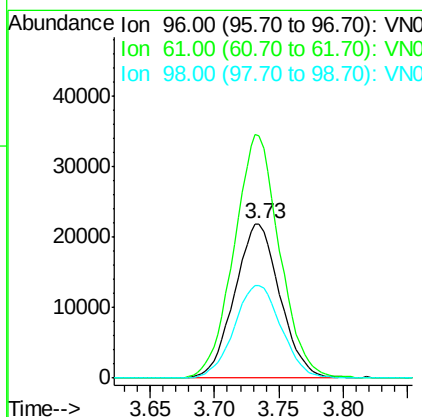
RT: 3.73 min Scan# 610

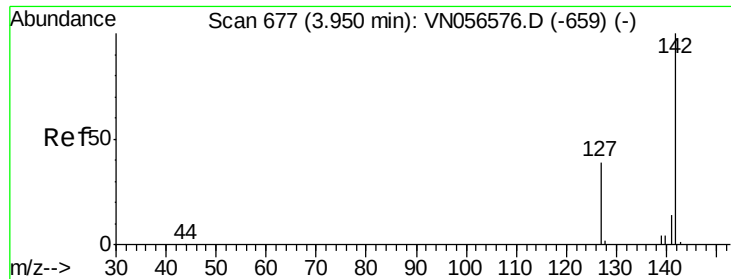
Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Tgt Ion:	96	Resp:	53690
Ion Ratio	Lower	Upper	
96	100		
61	156.0	119.7	179.5
98	60.3	52.3	78.5





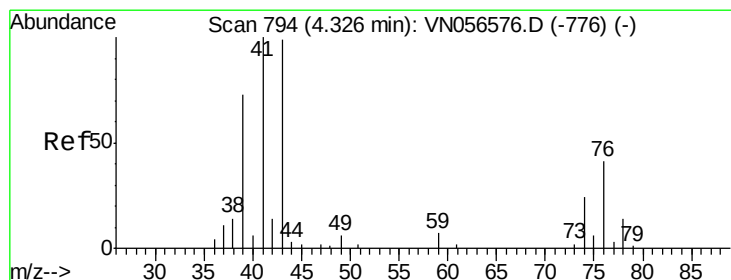
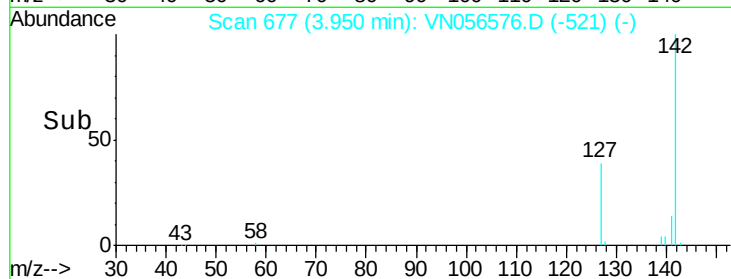
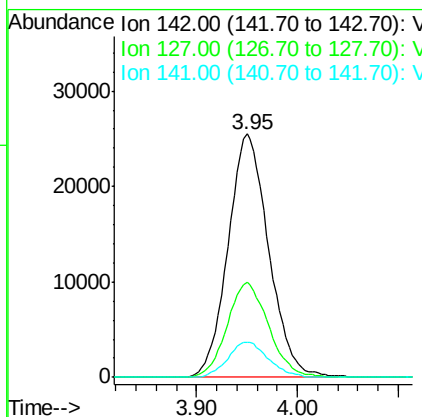
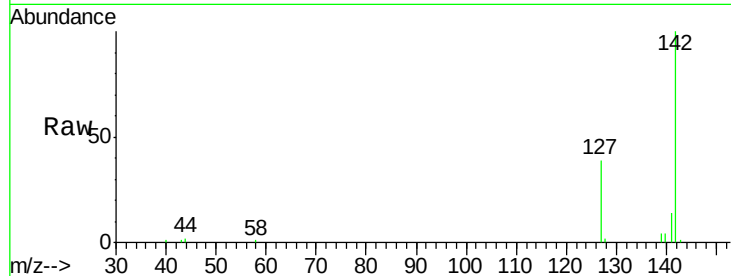
#11
Methvl Iodide
Concen: 17.296 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.0	19.0	57.0
141	14.5	6.7	20.0

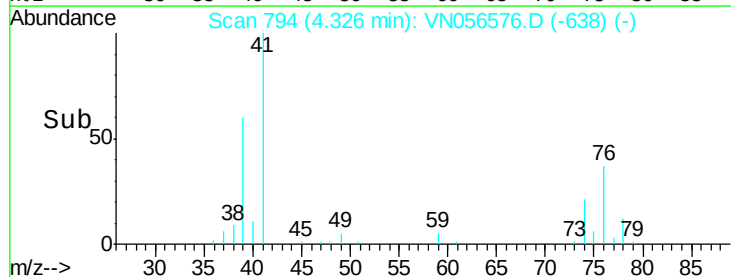
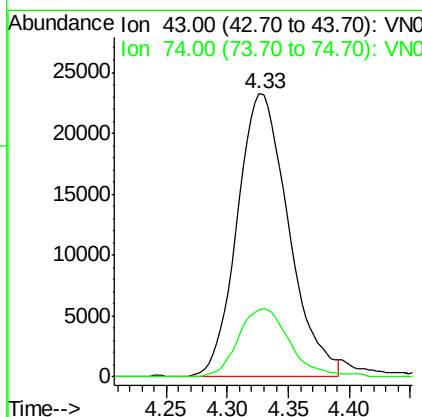
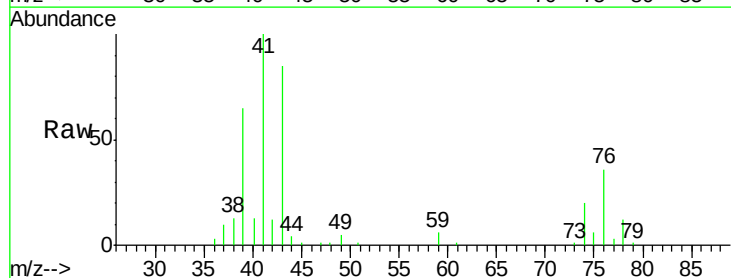
Manual Integrations
APPROVED

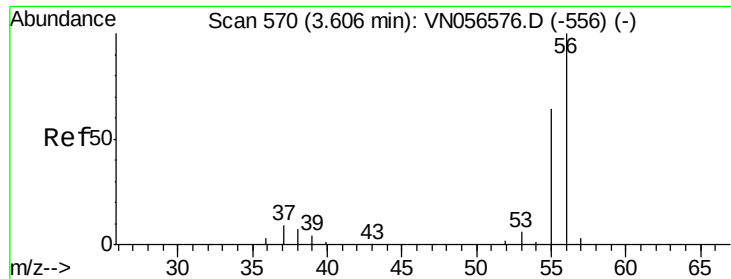
MMDadoda
7/8/2019 10:04:47 AM



#12
Methyl Acetate
Concen: 21.604 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.9	29.9





#13

Acrolein

Concen: 226.544 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Tot Ion: 56 Resp: 34700

Ion Ratio Lower Upper

56 100

55 68.4 57.9 86.9

Instrument :

MSVOA_N

ClientSampleId :

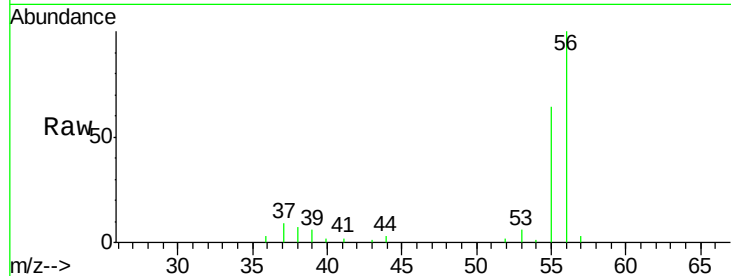
VSTDICCC020

Manual Integrations

APPROVED

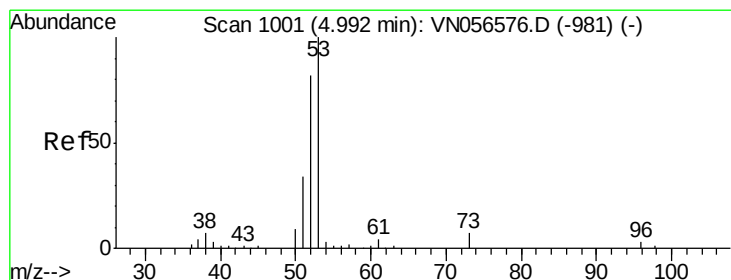
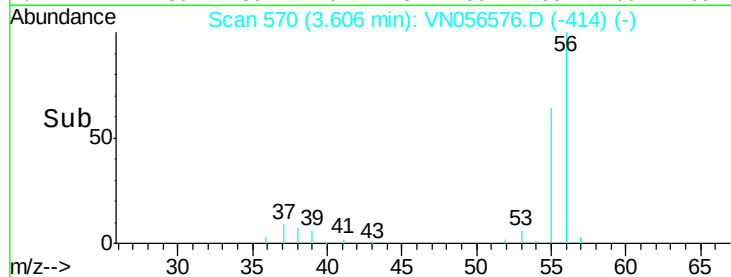
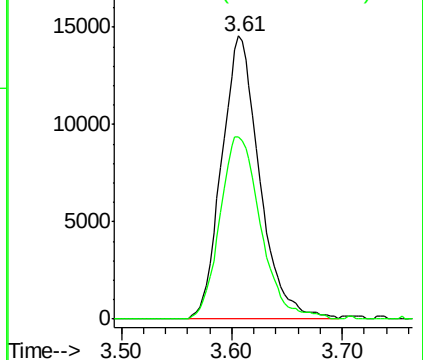
MMDadoda

7/8/2019 10:04:47 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 111.850 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

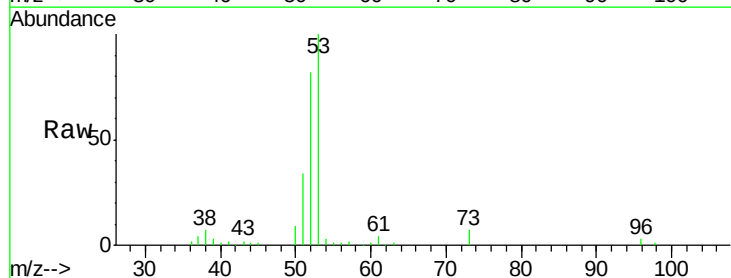
Tgt Ion: 53 Resp: 156750

Ion Ratio Lower Upper

53 100

52 81.9 40.8 122.2

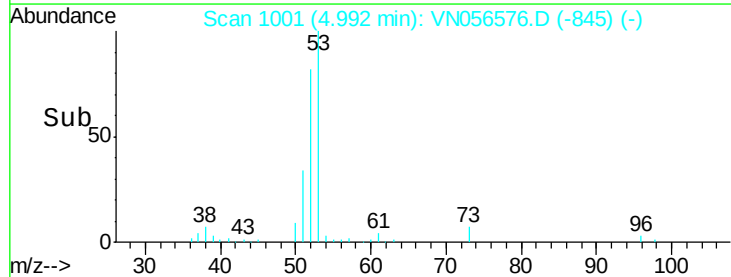
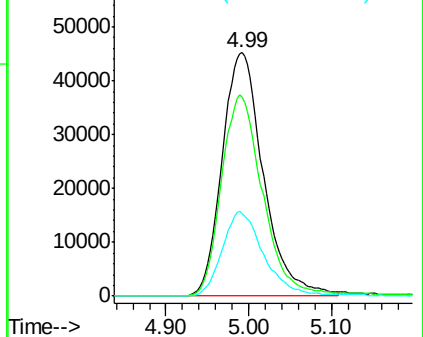
51 34.4 17.3 52.0

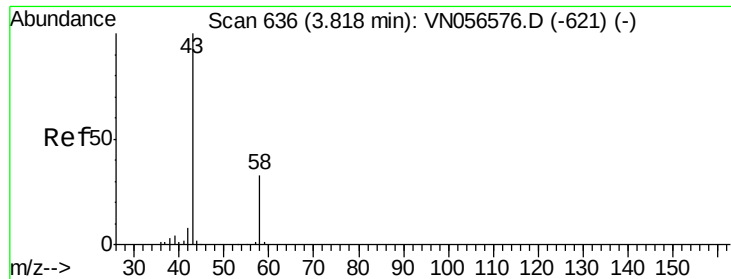


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





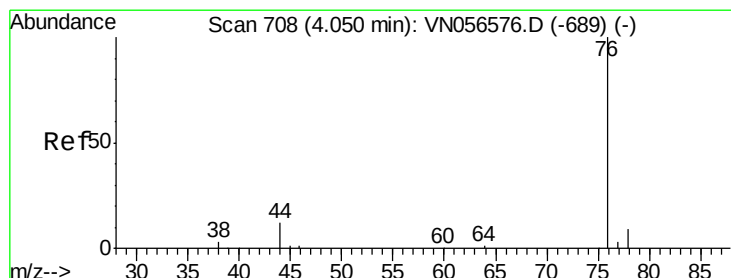
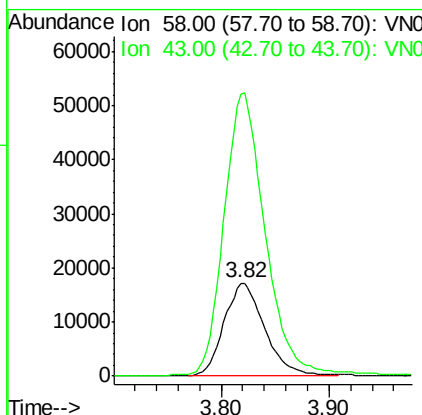
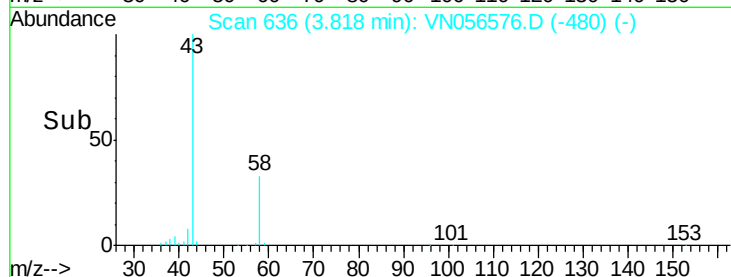
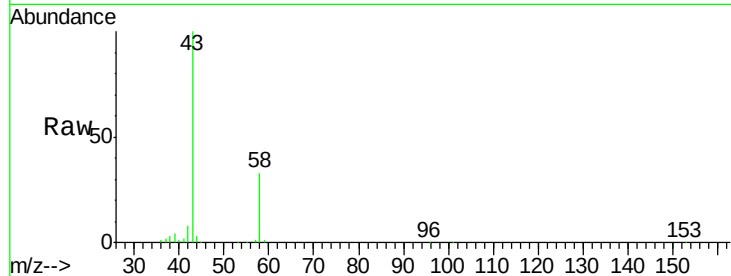
#15
Acetone
Concen: 98.666 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion: 58 Resp: 45275
Ion Ratio Lower Upper
58 100
43 301.1 232.5 348.7

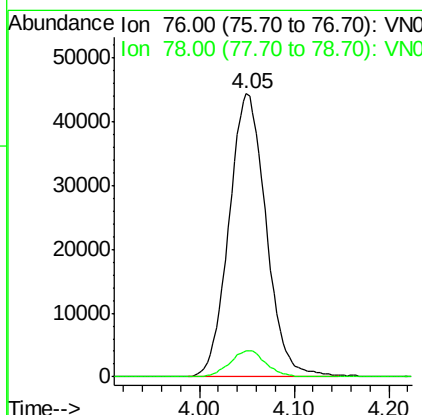
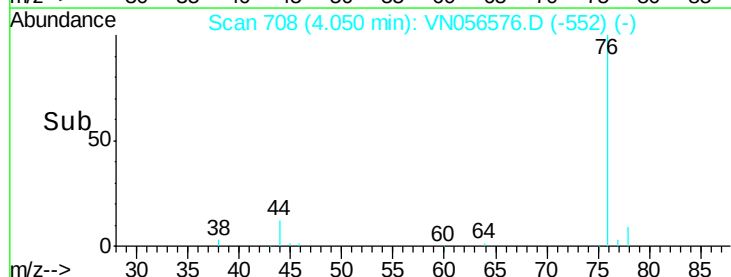
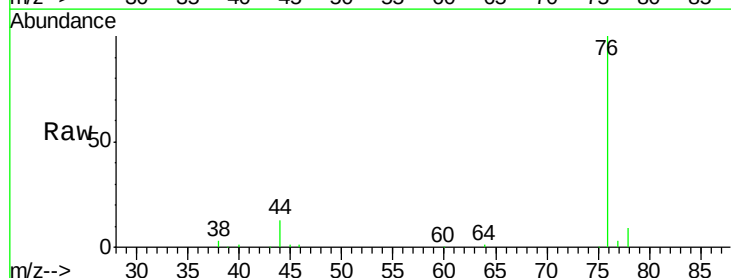
Manual Integrations
APPROVED

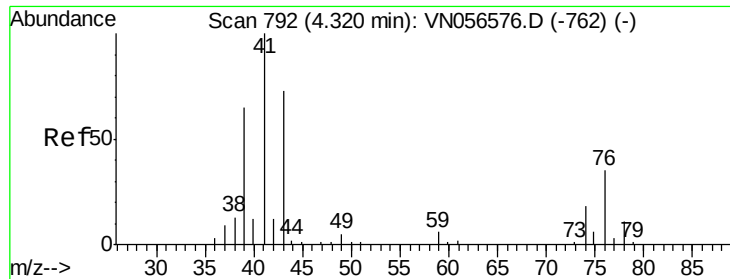
MMDadoda
7/8/2019 10:04:47 AM



#16
Carbon Disulfide
Concen: 19.462 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion: 76 Resp: 121104
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9





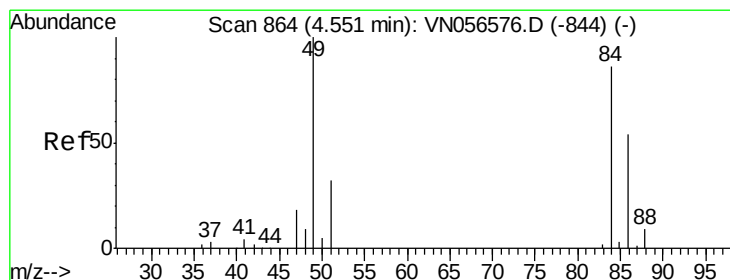
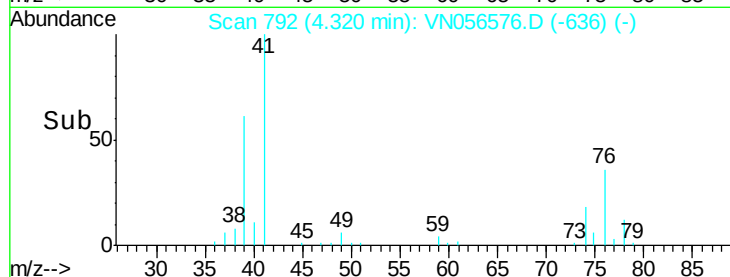
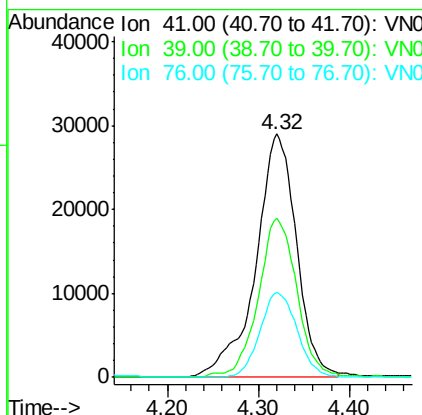
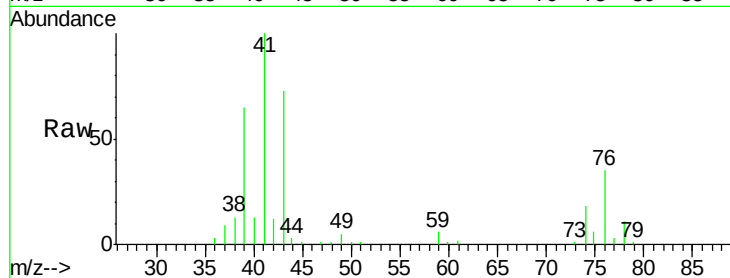
#17
Allvl chloride
Concen: 22.291 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.3	33.0	99.0
76	34.8	18.9	56.9

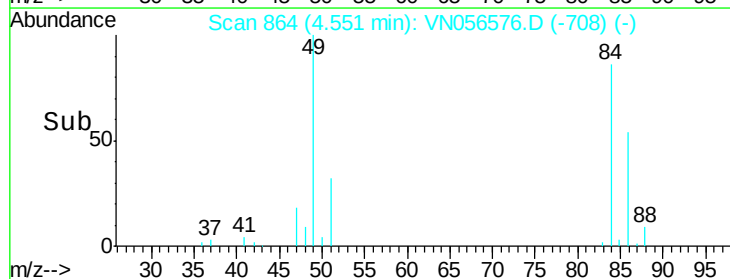
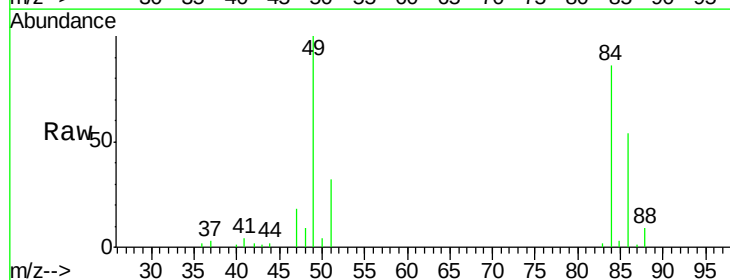
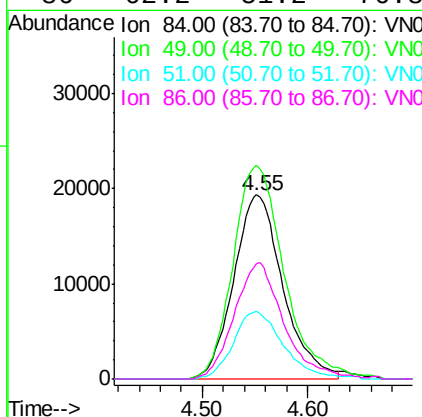
Manual Integrations
APPROVED

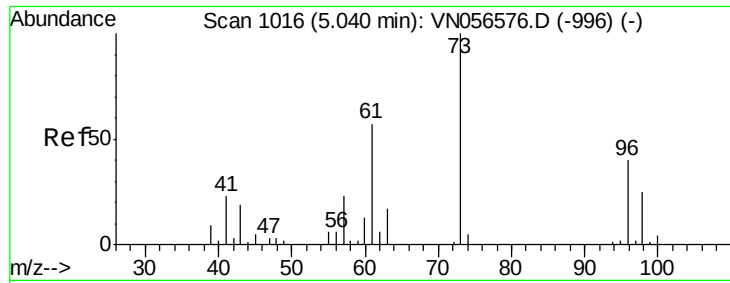
MMDadoda
7/8/2019 10:04:47 AM



#18
Methylene Chloride
Concen: 20.722 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.0	87.6	131.4
51	36.6	27.0	40.4
86	62.2	51.2	76.8





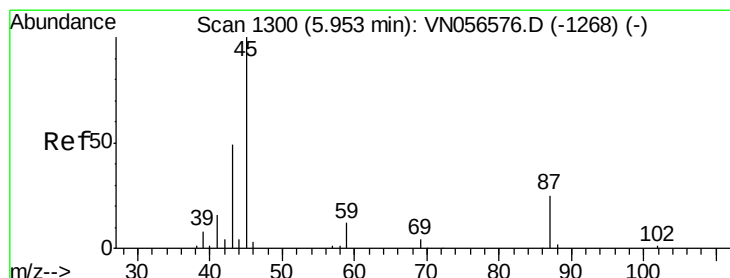
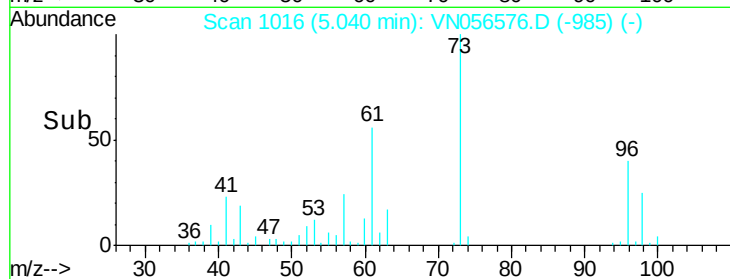
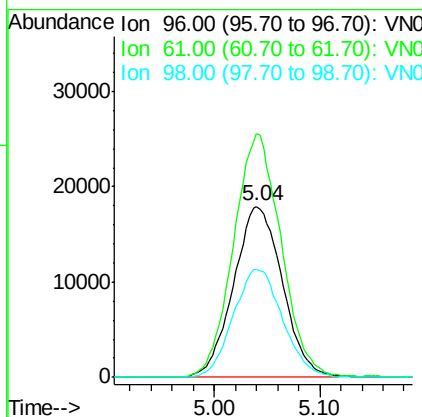
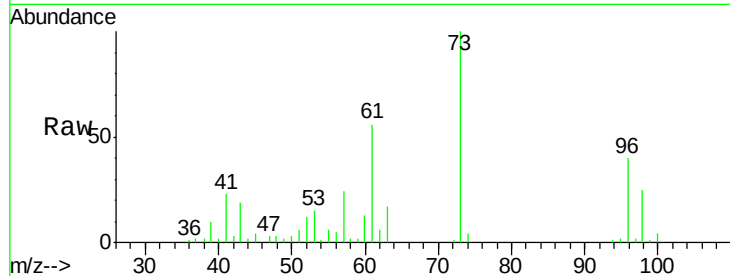
#19
trans-1,2-Dichloroethene
Concen: 20.636 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.3	102.5	153.7
98	62.8	46.9	70.3

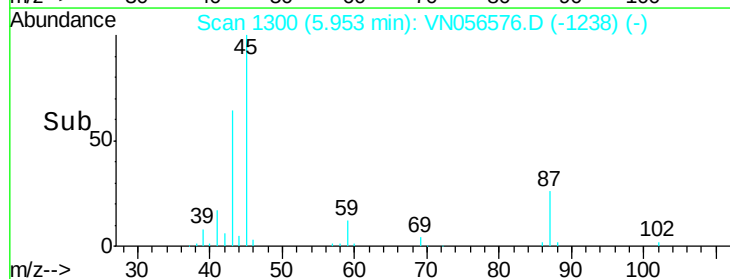
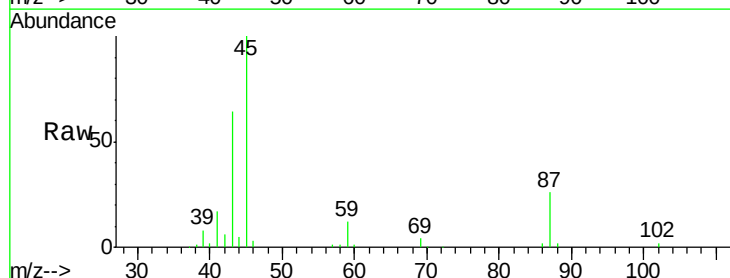
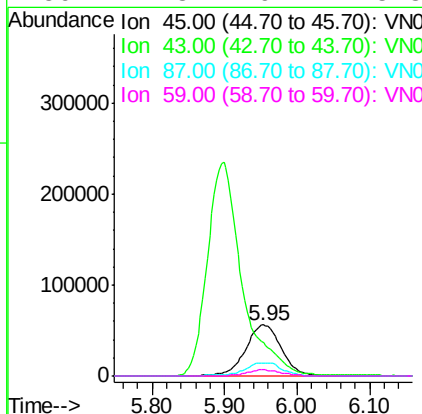
Manual Integrations
APPROVED

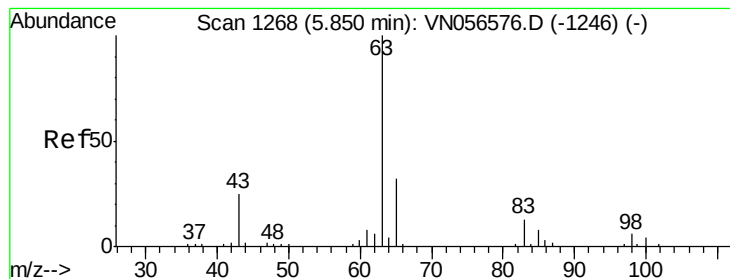
MMDadoda
7/8/2019 10:04:47 AM



#20
Diisopropyl ether
Concen: 23.028 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.8	48.0	72.0
87	26.2	23.4	35.2
59	11.8	9.2	13.8





#21

1,1-Dichloroethane

Concen: 22.369 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Instrument :

MSVOA_N

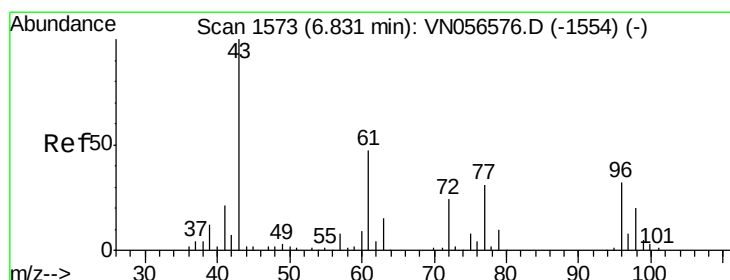
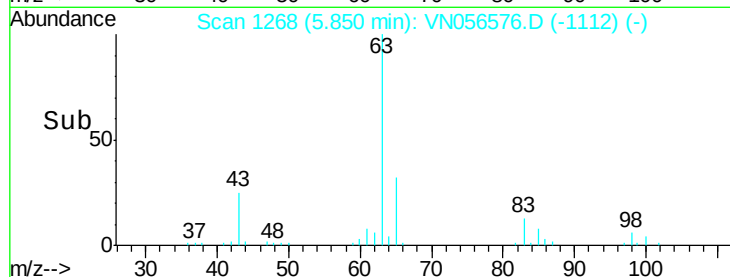
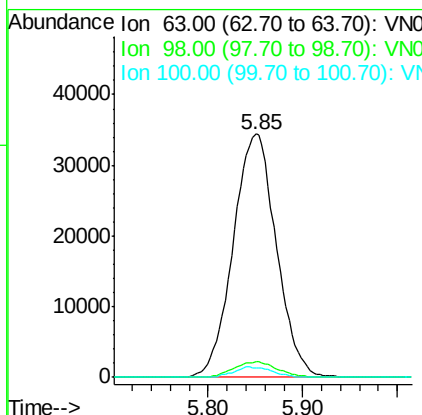
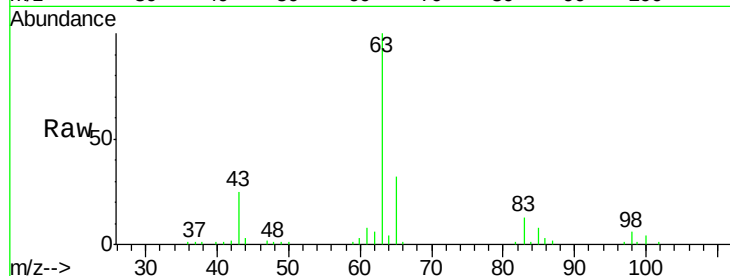
ClientSampleId :

VSTDICCC020

Tot Ion:	63	Resp:	109134
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.5	10.5
100	3.7	2.3	6.9

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:04:47 AM



#22

cis-1,2-Dichloroethene

Concen: 20.653 ug/l

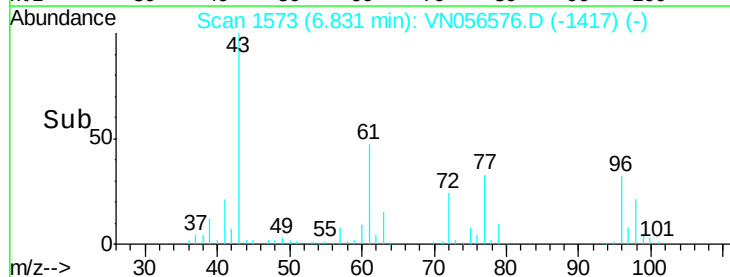
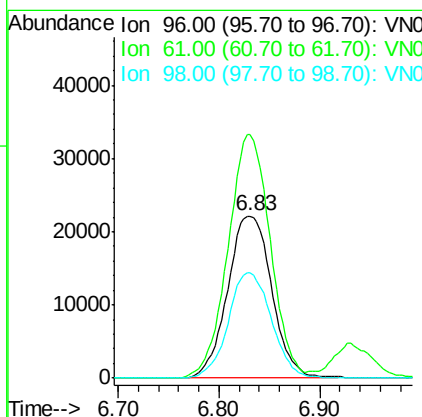
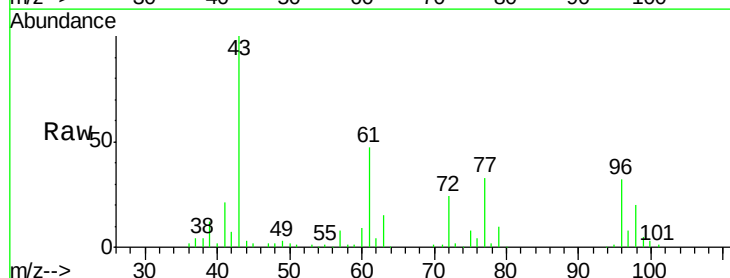
RT: 6.83 min Scan# 1573

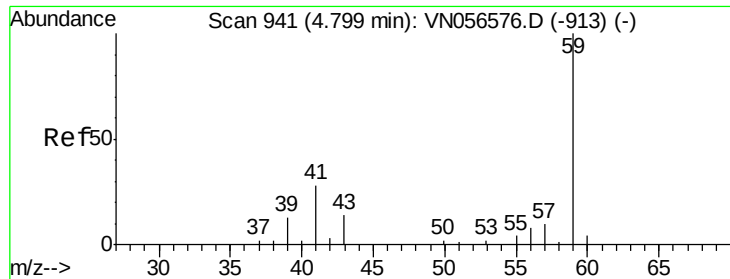
Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Tgt Ion:	96	Resp:	67290
Ion Ratio	Lower	Upper	
96	100		
61	143.1	105.7	158.5
98	63.5	52.0	78.0





#23

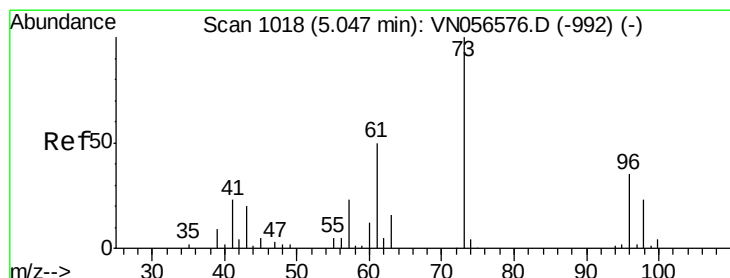
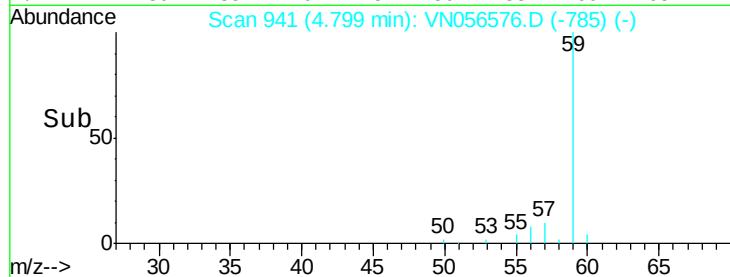
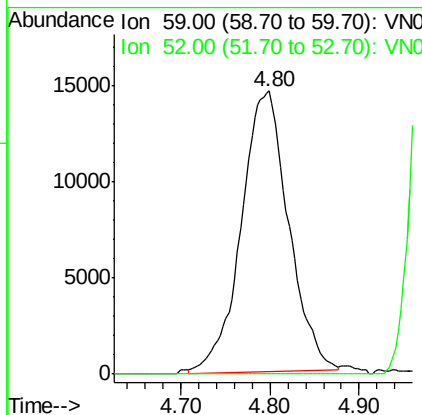
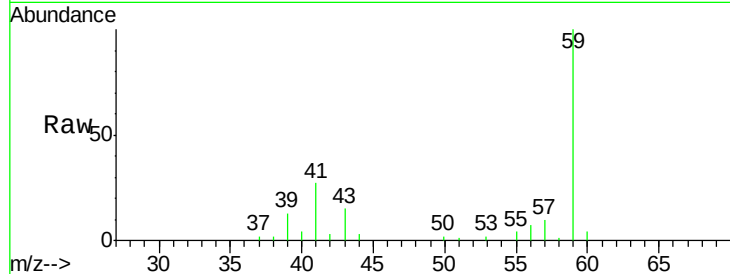
tert-Butyl Alcohol
 Concen: 98.517 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.0	0.0	0.0	

Manual Integrations
 APPROVED

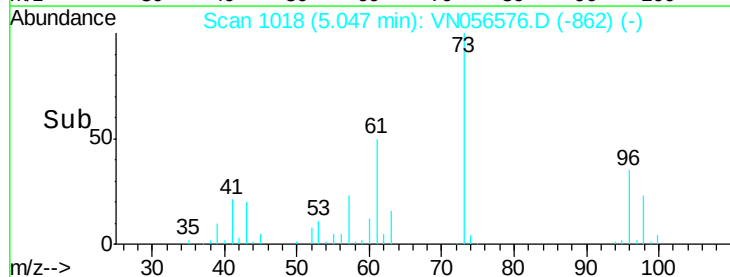
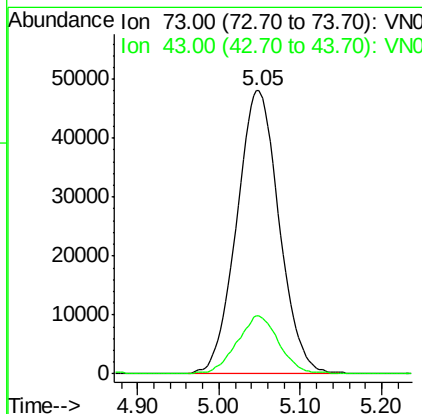
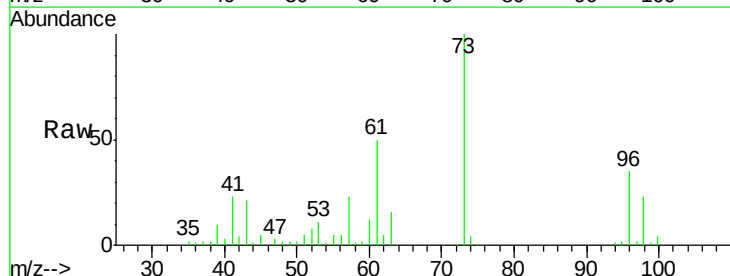
MMDadoda
 7/8/2019 10:04:47 AM

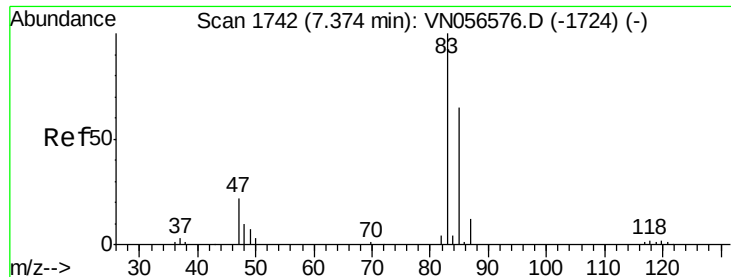


#24

Methyl tert-Butyl Ether
 Concen: 20.769 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	20.2	15.4	23.0	





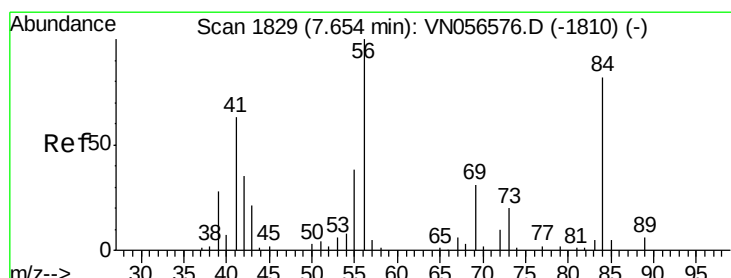
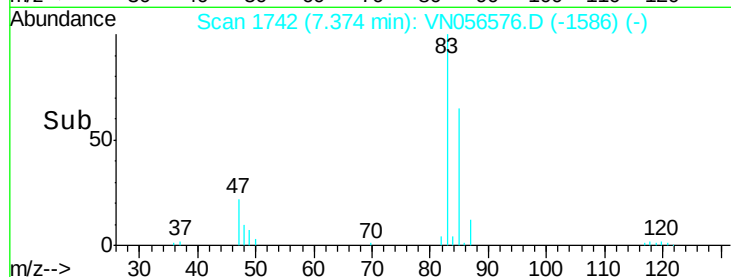
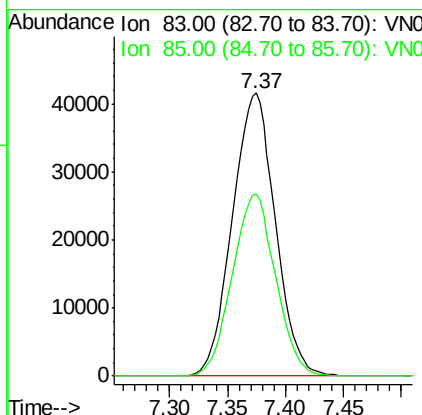
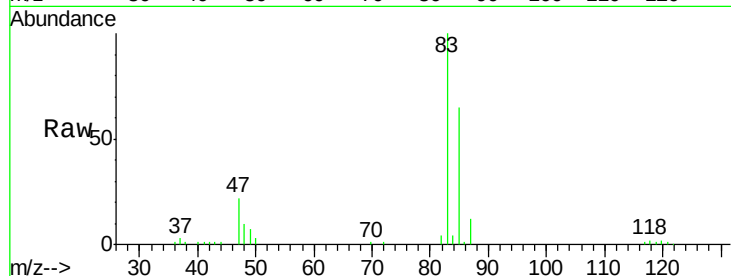
#25
Chloroform
Concen: 21.967 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	107019
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	52.0	78.0

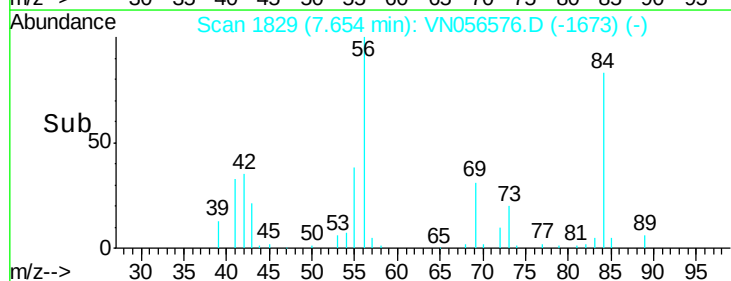
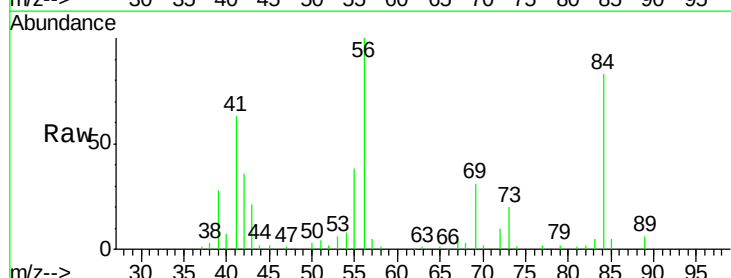
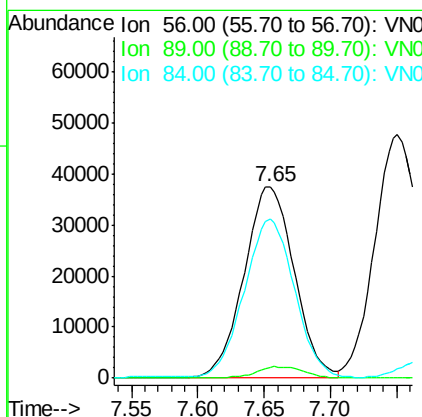
Manual Integrations
APPROVED

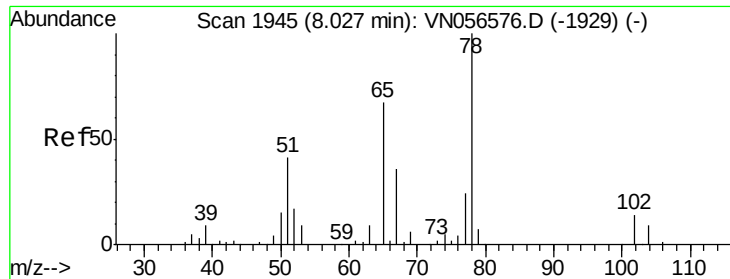
MMDadoda
7/8/2019 10:04:47 AM



#26
Cyclohexane
Concen: 21.937 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion	56	Resp	99292
Ion Ratio	100	Lower	Upper
56	100		
89	5.6	0.0	0.0#
84	83.2	70.1	105.1





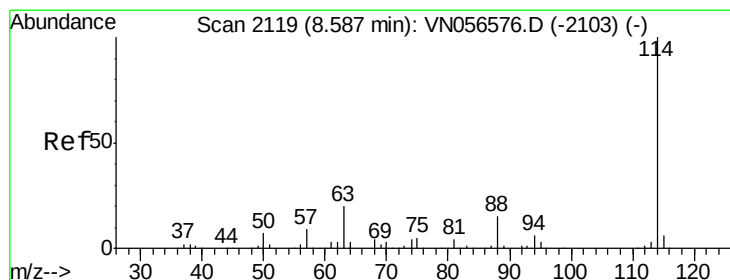
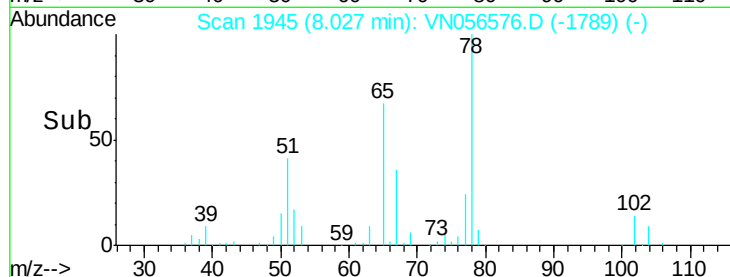
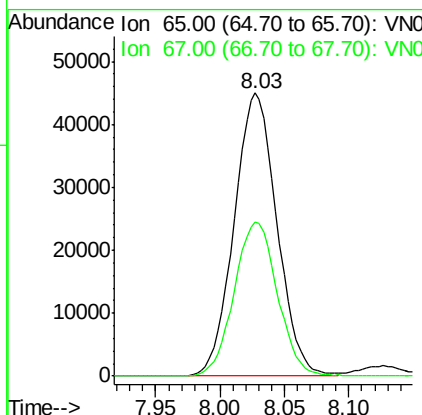
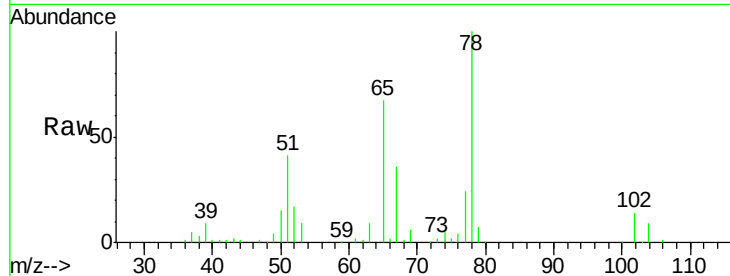
#27
 1,2-Dichloroethane-d4
 Concen: 33.388 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 65 Resp: 103875
 Ion Ratio Lower Upper
 65 100
 67 54.8 43.4 65.2

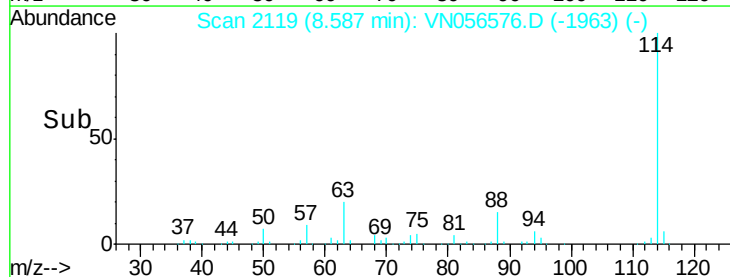
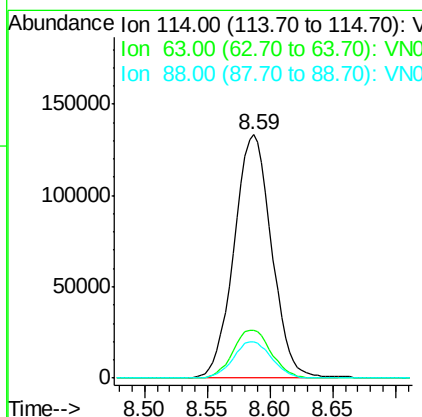
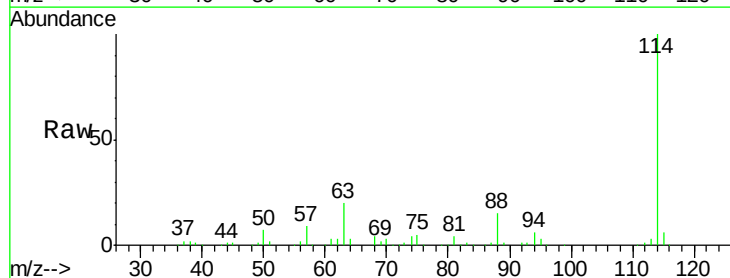
Manual Integrations
 APPROVED

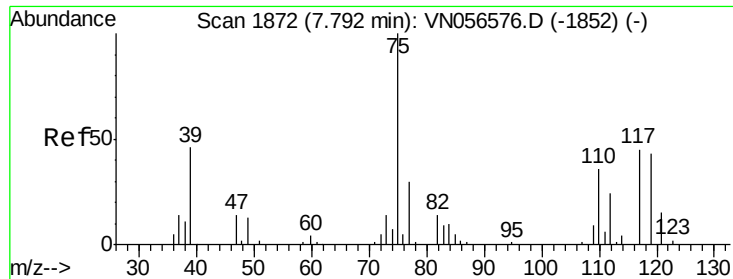
MMDadoda
 7/8/2019 10:04:47 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Tgt Ion: 114 Resp: 277646
 Ion Ratio Lower Upper
 114 100
 63 20.2 14.7 22.1
 88 15.3 11.9 17.9





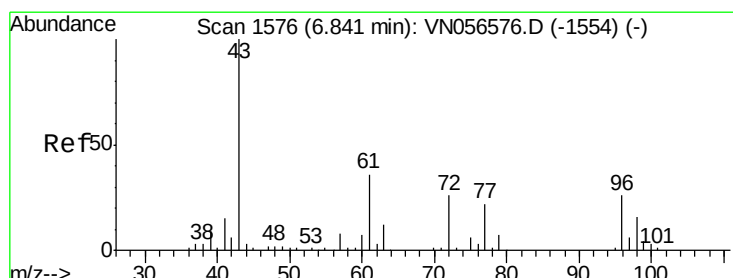
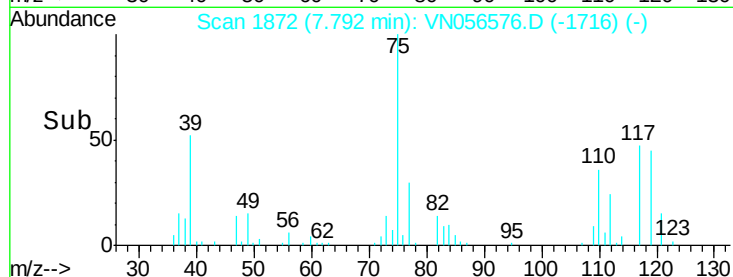
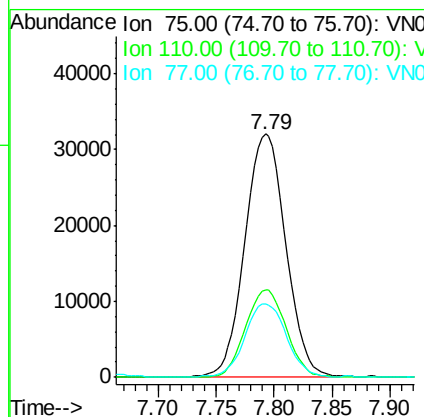
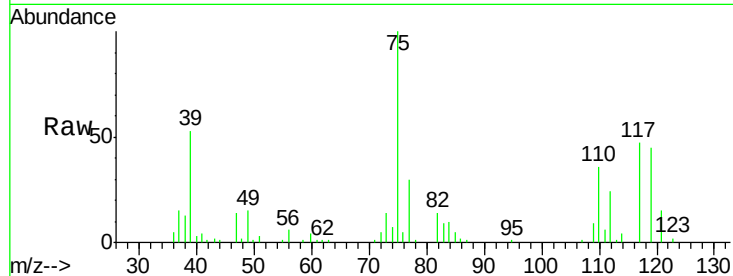
#29
 1,1-Dichloropropene
 Concen: 21.042 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.7	0.0	77.0
77	30.9	0.0	62.4

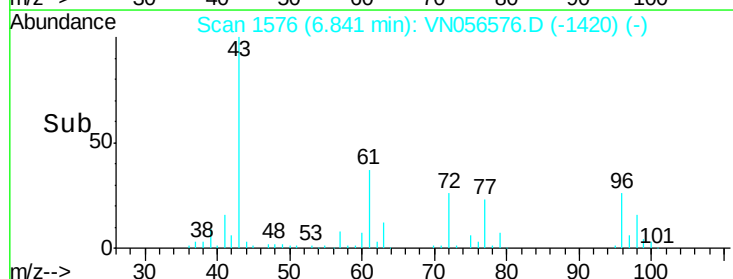
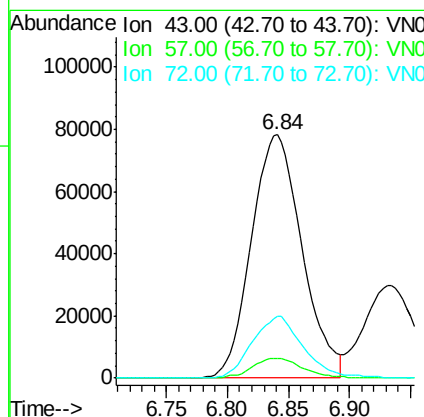
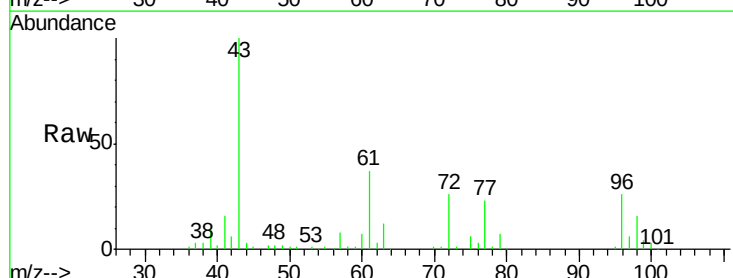
Manual Integrations
 APPROVED

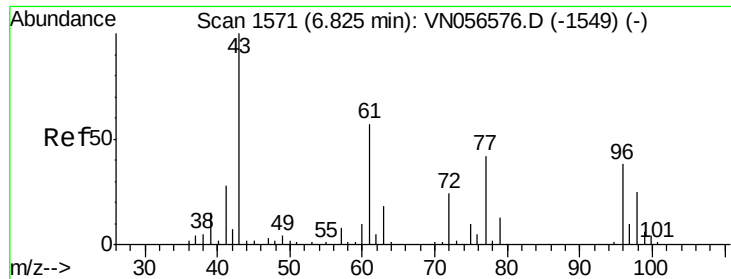
MMDadoda
 7/8/2019 10:04:47 AM



#30
 2-Butanone
 Concen: 113.508 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.7	10.1
72	25.2	22.4	33.6





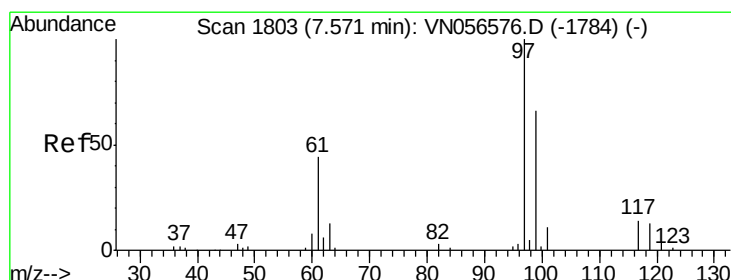
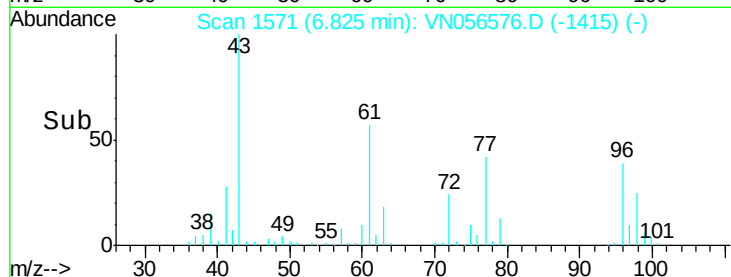
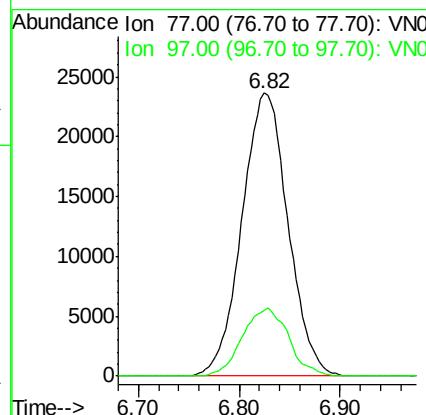
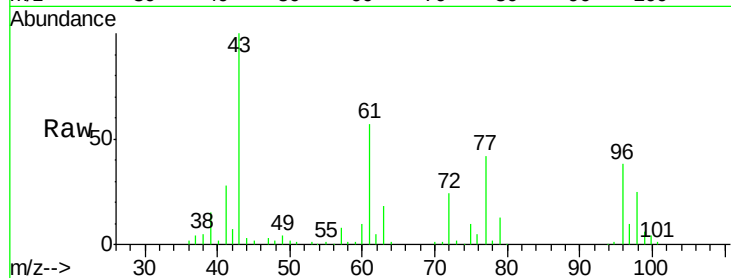
#31
 2,2-Dichloropropane
 Concen: 21.443 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion: 77 Resp: 74918
 Ion Ratio Lower Upper
 77 100
 97 24.0 20.8 31.2

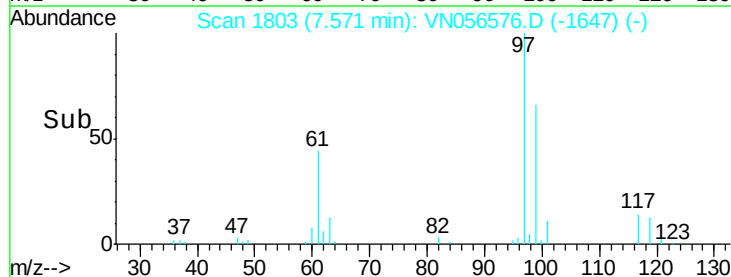
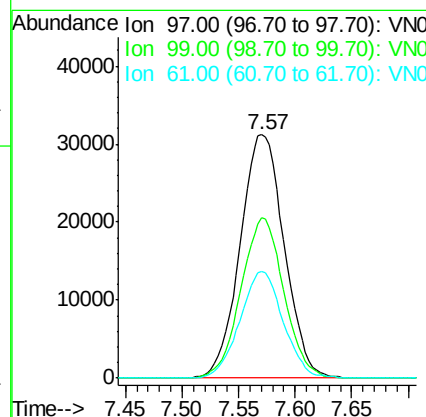
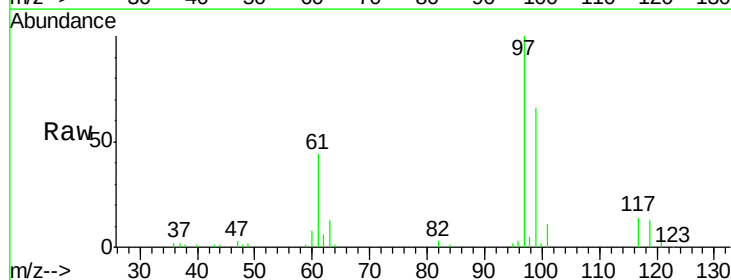
Manual Integrations
 APPROVED

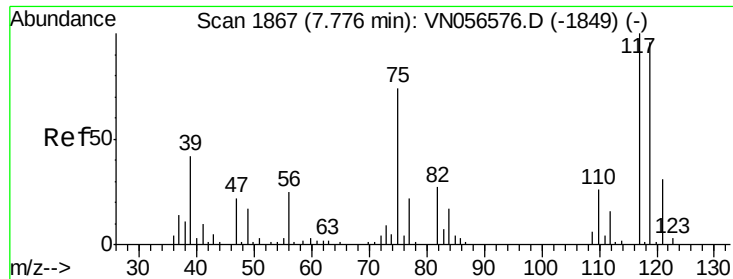
MMDadoda
 7/8/2019 10:04:47 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.379 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Tgt Ion: 97 Resp: 84559
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.5 77.3
 61 43.0 32.9 49.3





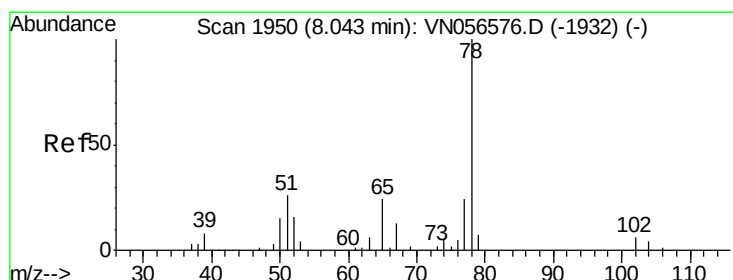
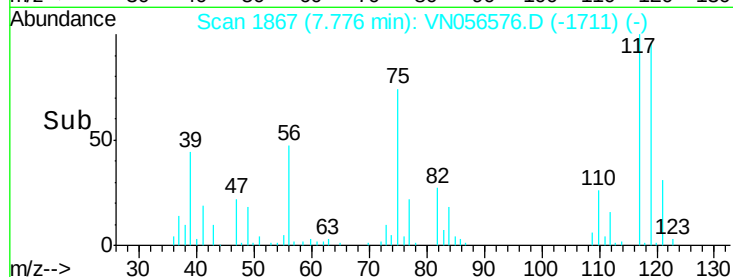
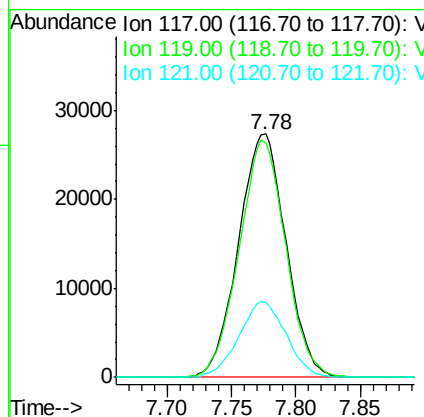
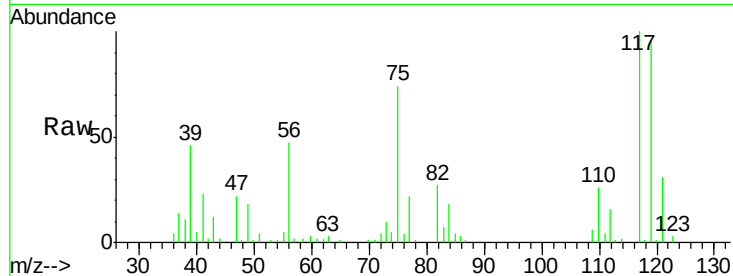
#33
Carbon Tetrachloride
Concen: 19.917 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.3	115.9
121	30.8	25.0	37.4

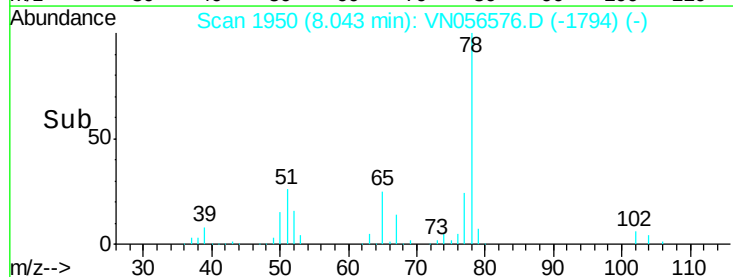
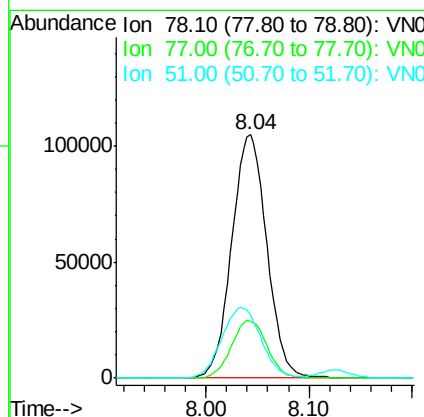
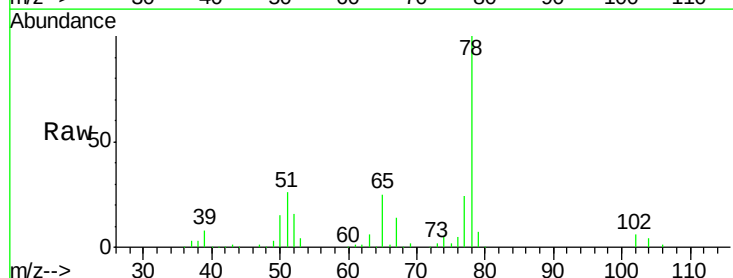
Manual Integrations
APPROVED

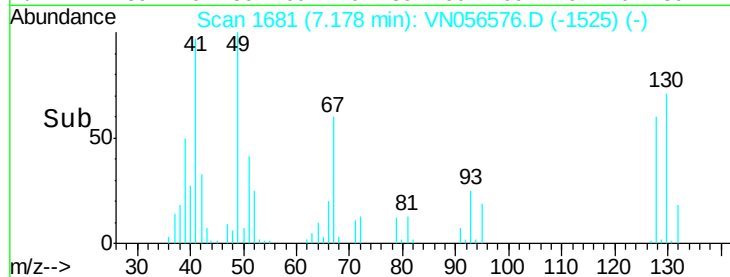
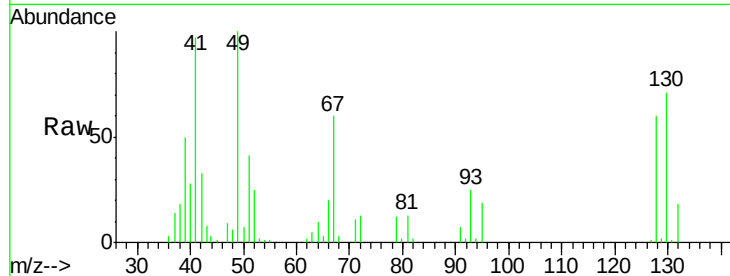
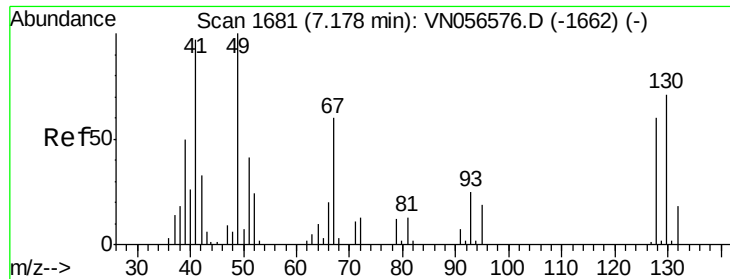
MMDadoda
7/8/2019 10:04:47 AM



#34
Benzene
Concen: 20.780 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

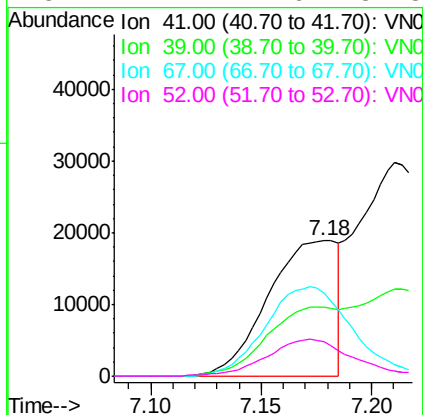
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.3	28.9
51	25.5	19.8	29.8





#35
Methacrylonitrile
Concen: 24.741 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

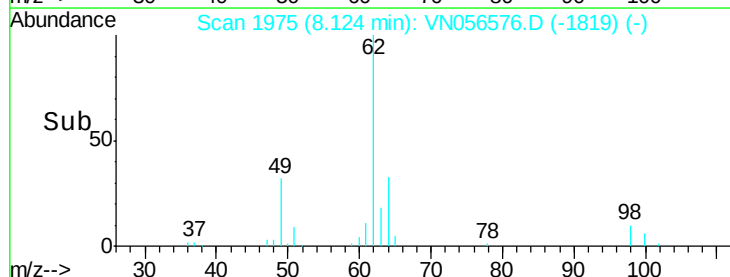
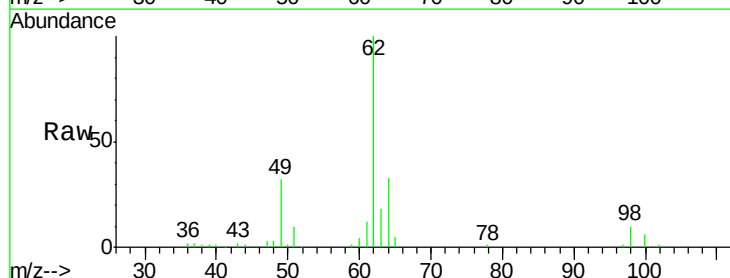
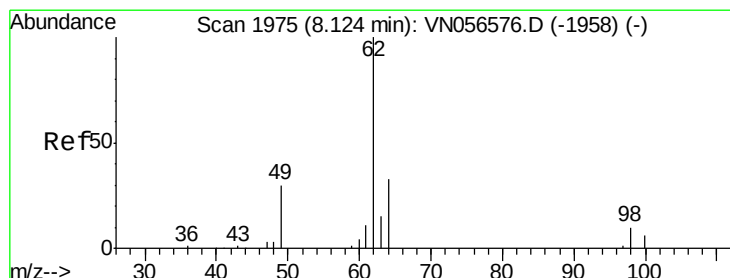
Tot Ion	41.00	Resp	41307
Ion	Ratio	Lower	Upper
41	100		
39	51.0	24.8	74.3
67	61.9	34.3	102.9
52	24.7	12.6	37.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

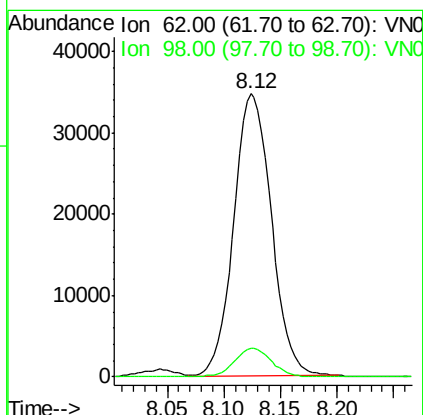
Manual Integrations
APPROVED

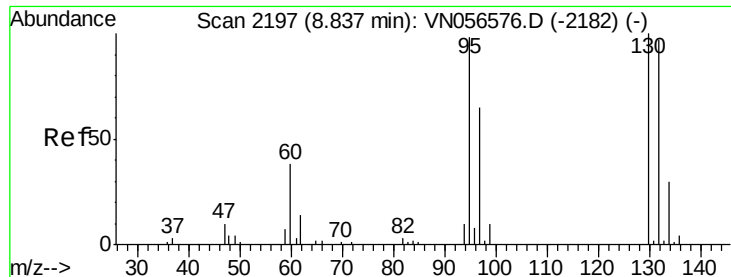
MMDadoda
7/8/2019 10:04:47 AM



#36
1,2-Dichloroethane
Concen: 21.537 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion	62.00	Resp	80724
Ion	Ratio	Lower	Upper
62	100		
98	9.9	8.6	13.0





#37

Trichloroethene

Concen: 19.113 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:130 Resp: 63999

Ion Ratio Lower Upper

130 100

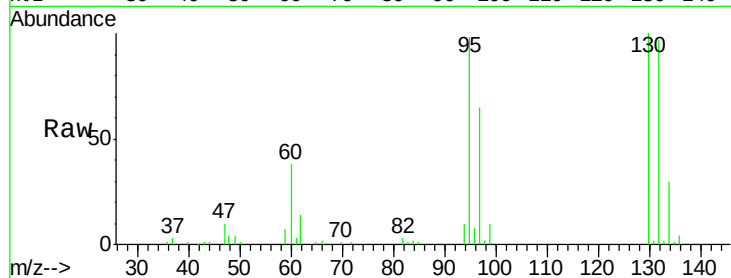
95 98.5 73.0 109.6

Manual Integrations

APPROVED

MMDadoda

7/8/2019 10:04:47 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

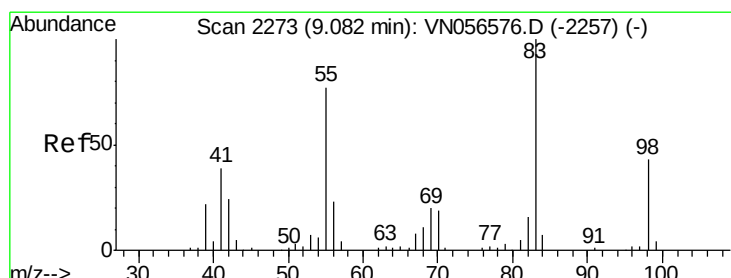
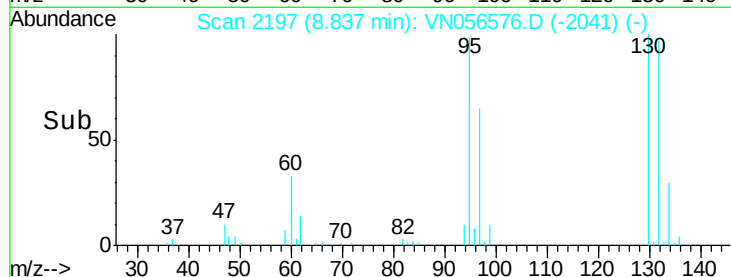
30000

20000

10000

0

Time--> 8.75 8.80 8.85 8.90



#38

Methylcyclohexane

Concen: 20.720 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

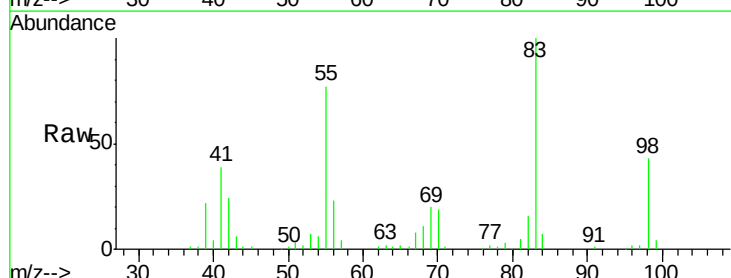
Tgt Ion: 83 Resp: 98654

Ion Ratio Lower Upper

83 100

55 76.8 37.5 112.7

98 44.8 23.1 69.3



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

60000

50000

40000

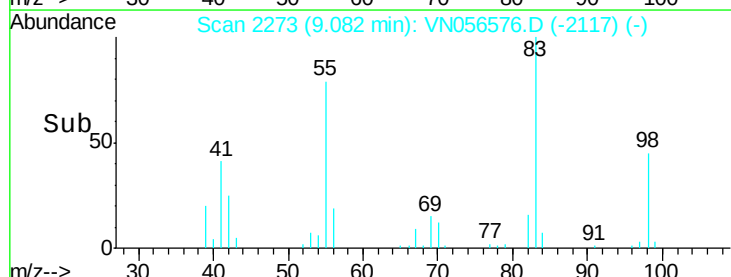
30000

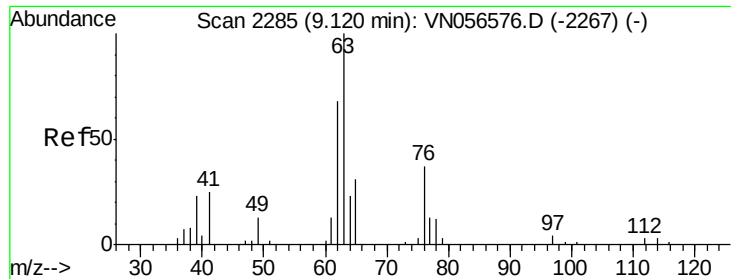
20000

10000

0

Time--> 9.00 9.05 9.10 9.15 9.20





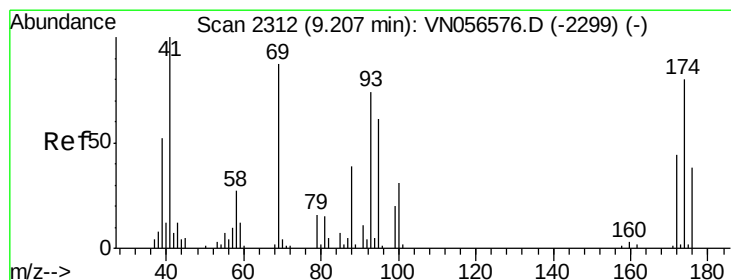
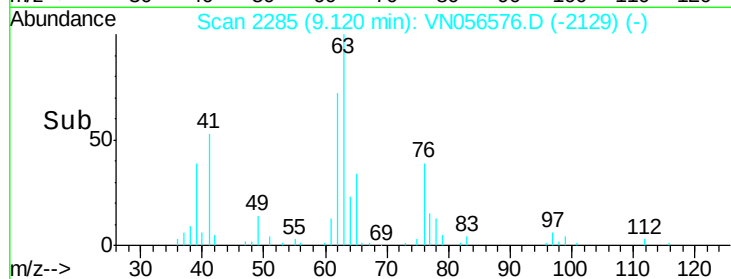
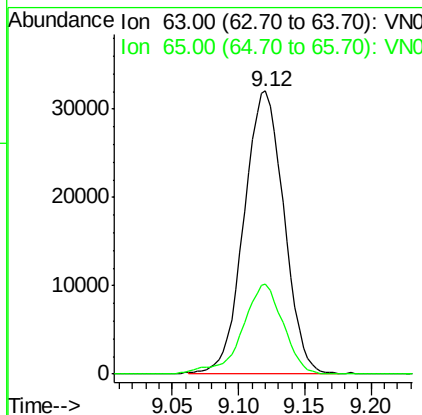
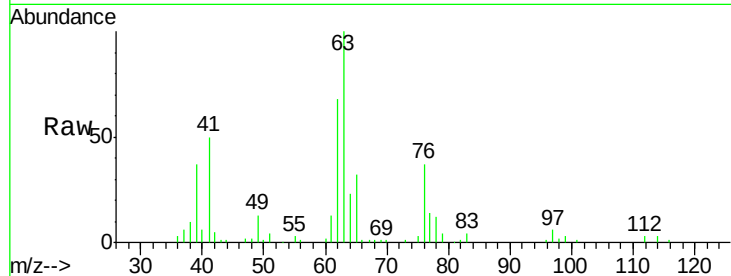
#39
 1,2-Dichloropropane
 Concen: 22.007 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion: 63 Resp: 67444
 Ion Ratio Lower Upper
 63 100
 65 31.8 23.1 34.7

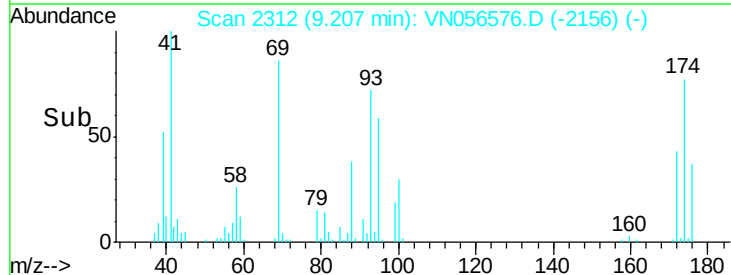
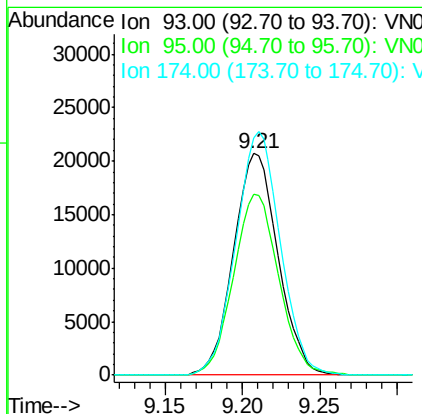
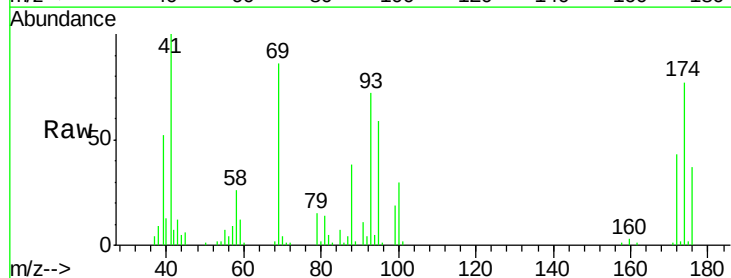
Manual Integrations
 APPROVED

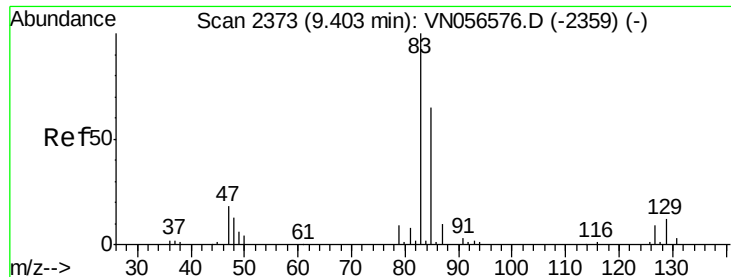
MMDadoda
 7/8/2019 10:04:47 AM



#40
 Dibromomethane
 Concen: 20.404 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Tgt Ion: 93 Resp: 41461
 Ion Ratio Lower Upper
 93 100
 95 83.0 0.0 169.0
 174 109.9 0.0 246.4





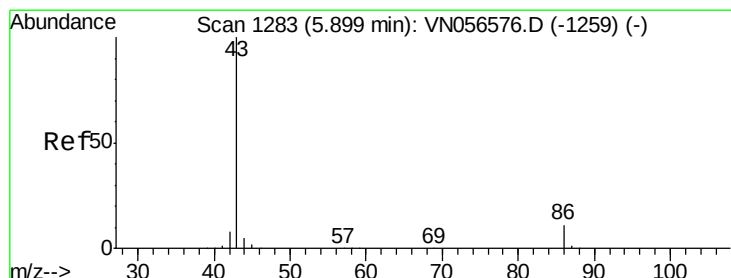
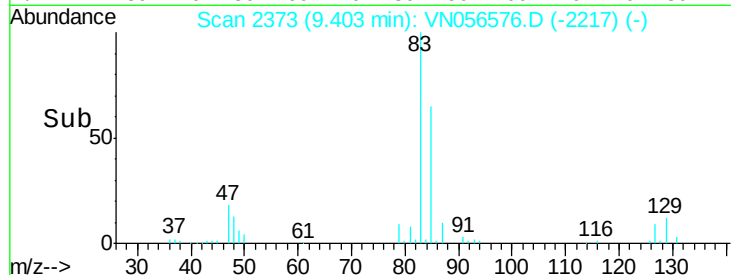
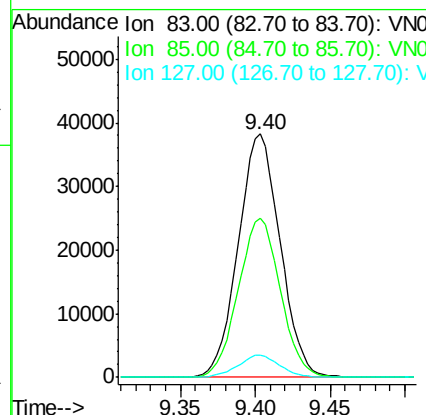
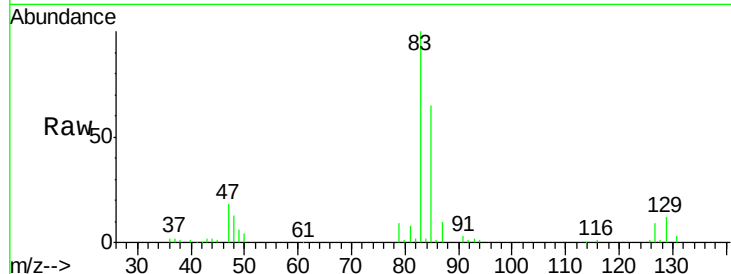
#41
Bromodichloromethane
Concen: 20.488 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	83	Resp	74550
Ion Ratio	100	Lower	Upper
83	100		
85	65.2	51.8	77.6
127	10.1	7.3	10.9

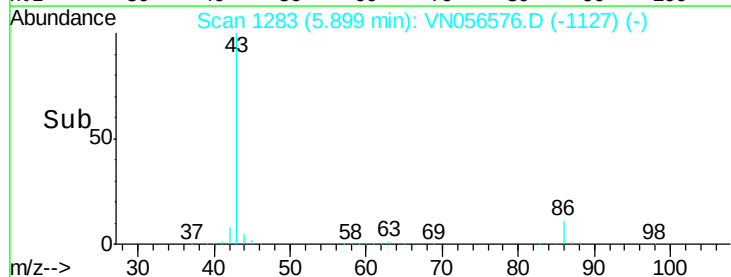
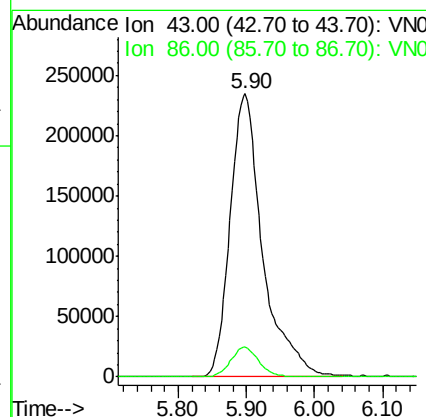
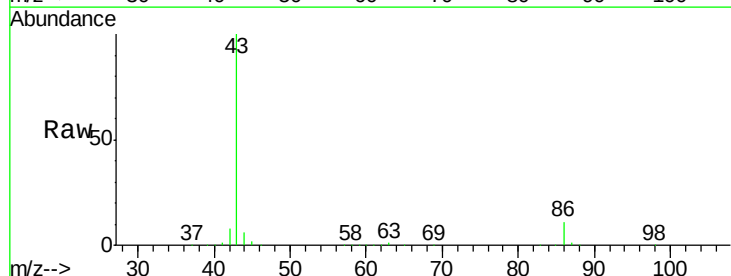
Manual Integrations
APPROVED

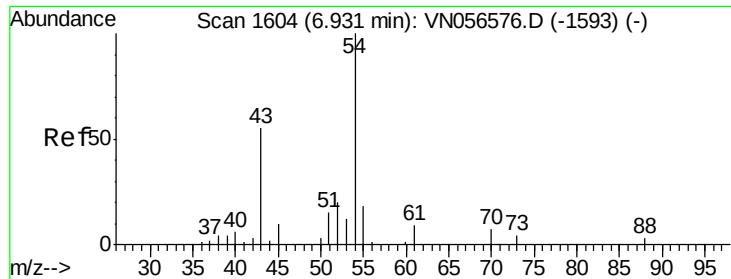
MMDadoda
7/8/2019 10:04:47 AM



#42
Vinyl Acetate
Concen: 110.634 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion	43	Resp	779843
Ion Ratio	100	Lower	Upper
43	100		
86	9.1	7.9	11.9





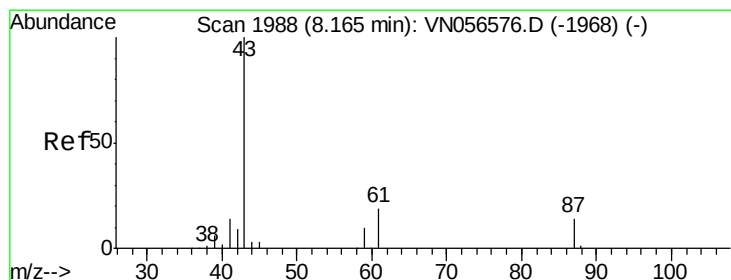
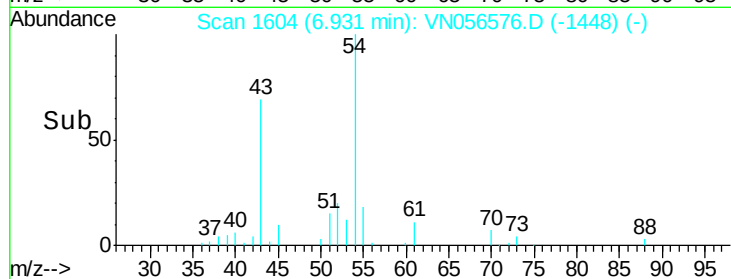
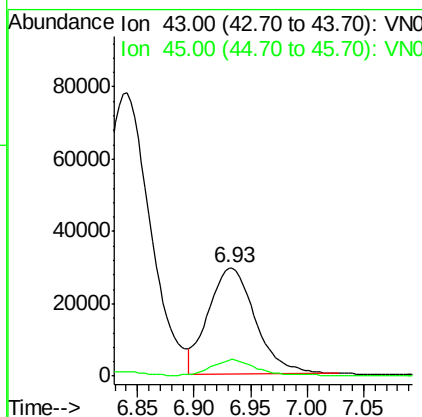
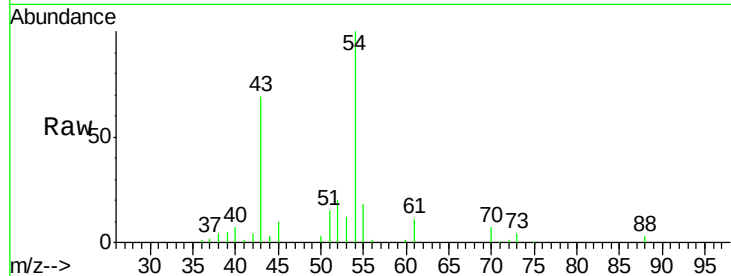
#43
Ethyl Acetate
Concen: 22.684 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	43	45	Ratio	Lower	Upper
85834	100	13.4		12.3	18.5

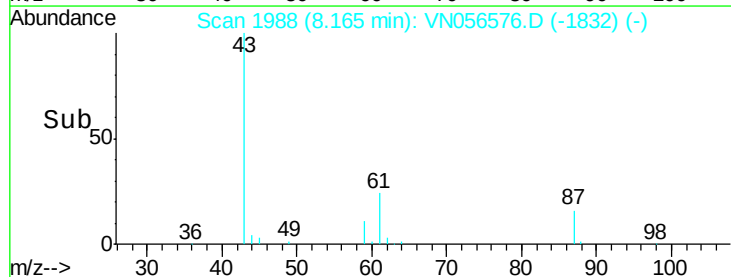
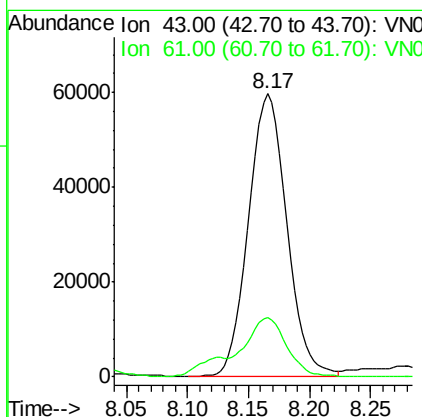
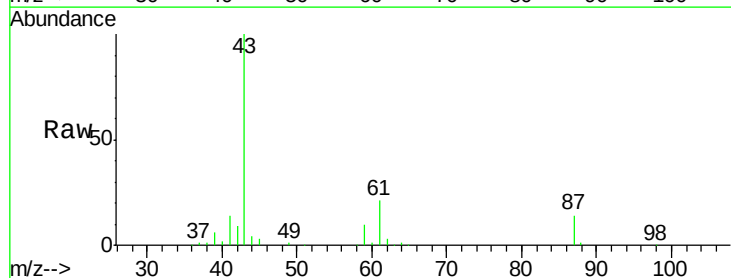
Manual Integrations
APPROVED

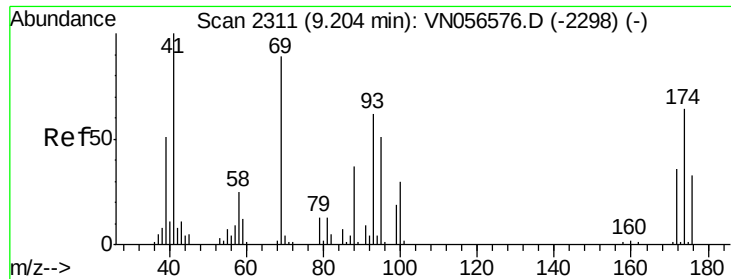
MMDadoda
7/8/2019 10:04:47 AM



#44
Isopropyl Acetate
Concen: 22.215 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion	43	61	Ratio	Lower	Upper
130520	100	21.6		16.9	25.3





#45

1,4-Dioxane

Concen: 419.227 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Instrument :

MSVOA_N

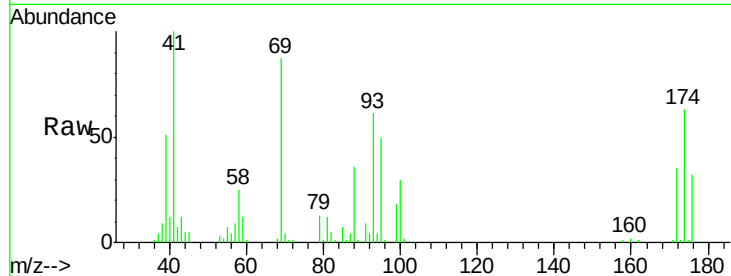
ClientSampleId :

VSTDICCC020

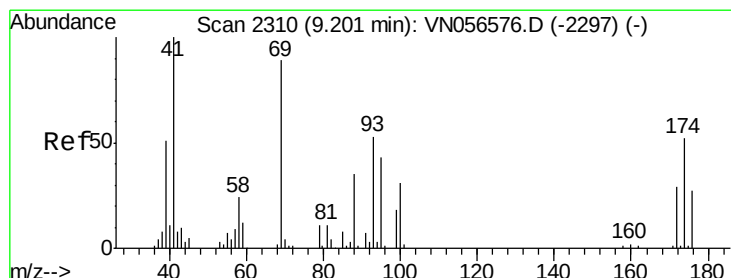
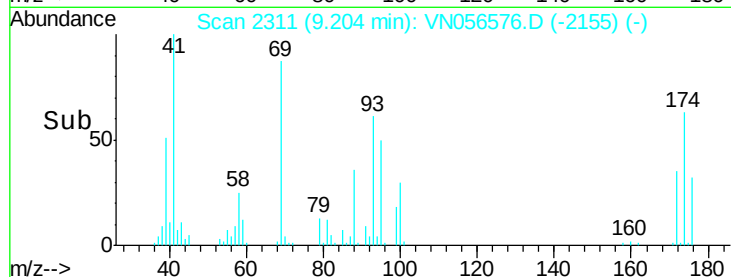
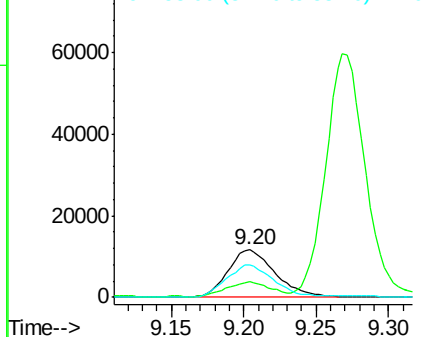
Tot Ion:	88	Resp:	26348
Ion	Ratio	Lower	Upper
88	100		
43	29.0	19.8	29.6
58	68.9	48.5	72.7

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:04:47 AM



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO



#46

Methyl methacrylate

Concen: 21.622 ug/l

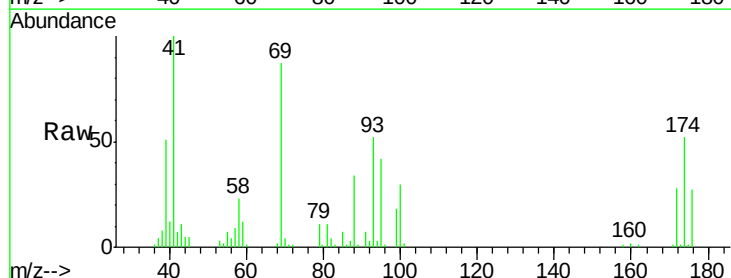
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

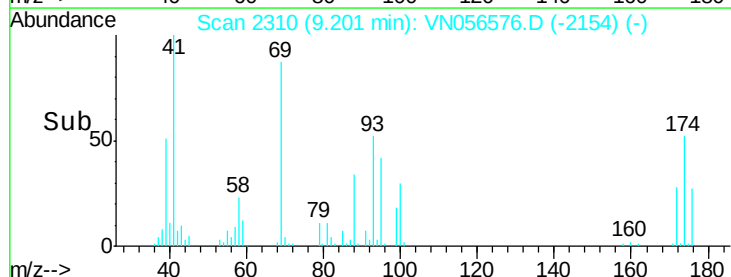
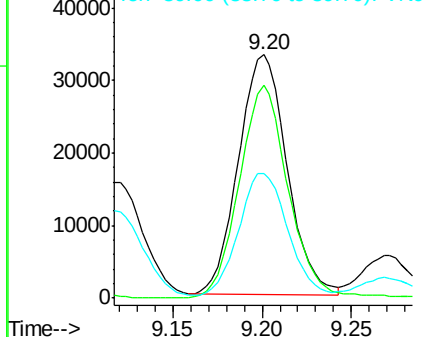
Lab File: VN056576.D

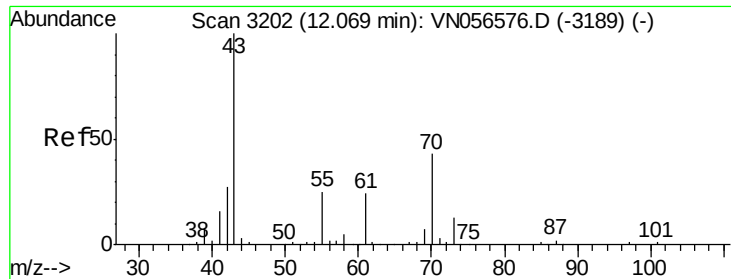
Acq: 3 Jul 2019 9:33

Tgt Ion:	41	Resp:	63109
Ion	Ratio	Lower	Upper
41	100		
69	88.7	46.0	137.8
39	50.9	24.6	73.8



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





#47

n-amvl Acetate

Concen: 21.674 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 105308

Ion Ratio Lower Upper

43 100

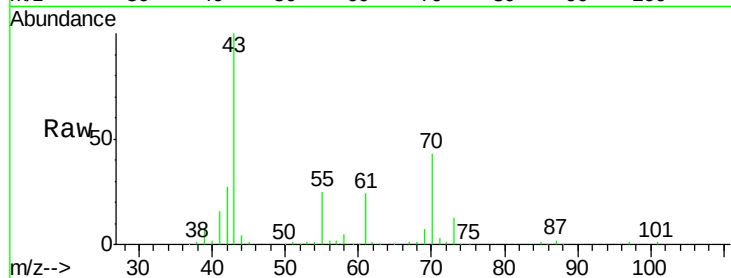
55 26.0 19.0 28.6

Manual Integrations

APPROVED

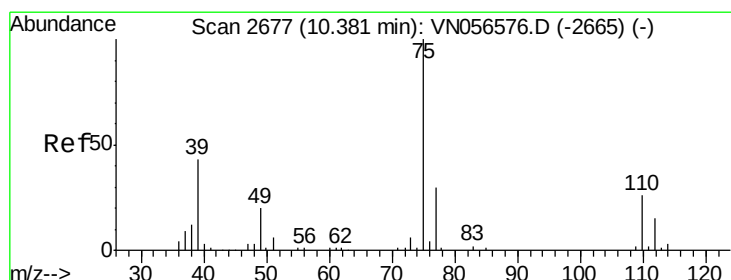
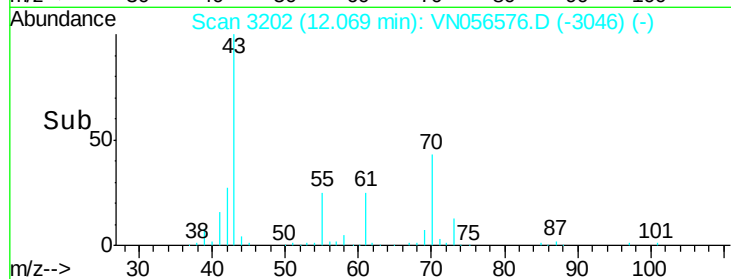
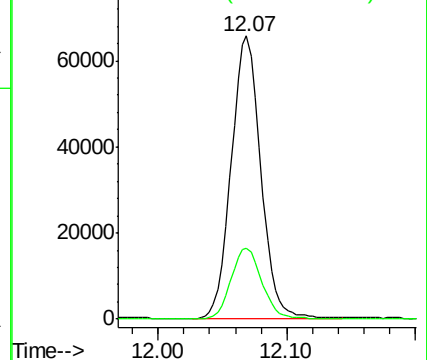
MMDadoda

7/8/2019 10:04:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 20.242 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056576.D

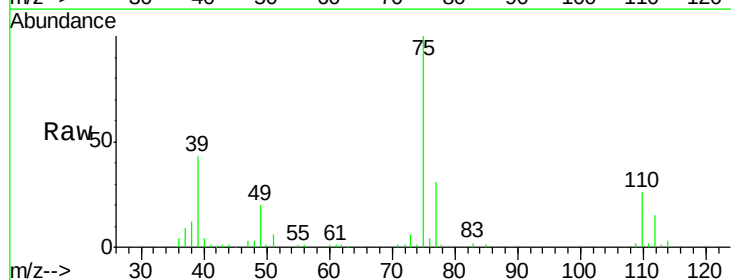
Acq: 3 Jul 2019 9:33

Tgt Ion: 75 Resp: 77512

Ion Ratio Lower Upper

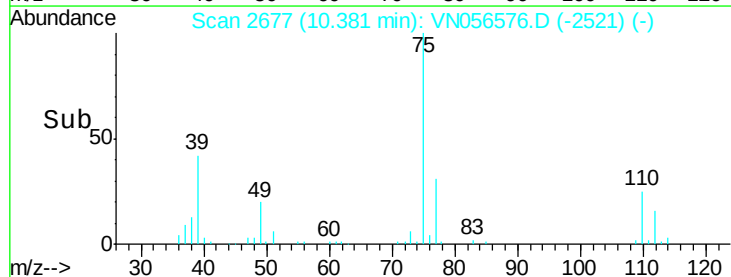
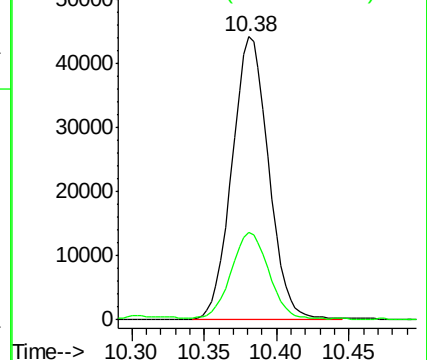
75 100

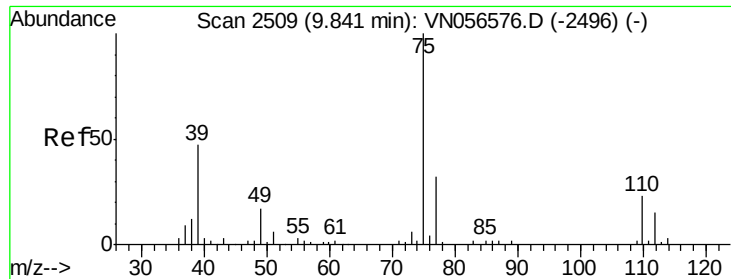
77 30.2 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

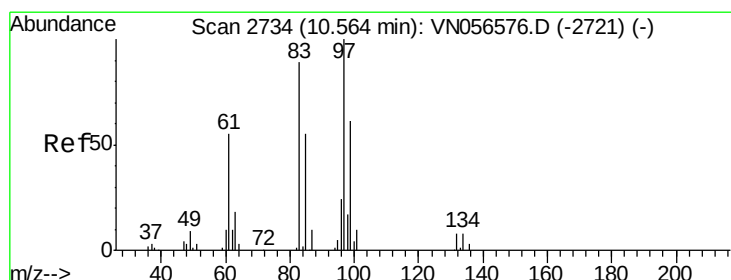
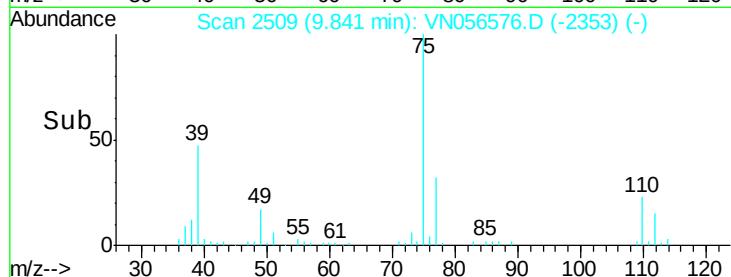
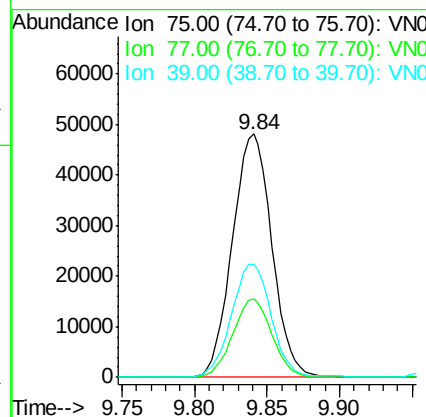
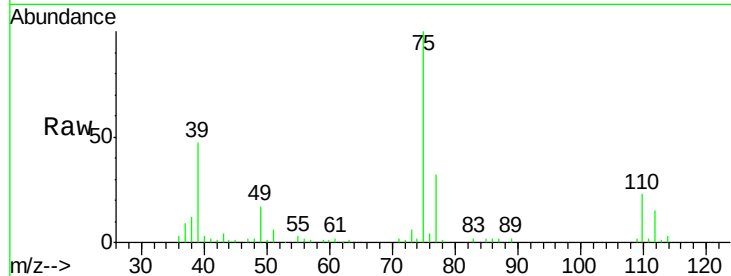
cis-1,3-Dichloropropene
Concen: 20.296 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.1	37.7
39	46.6	34.3	51.5

Manual Integrations
APPROVED

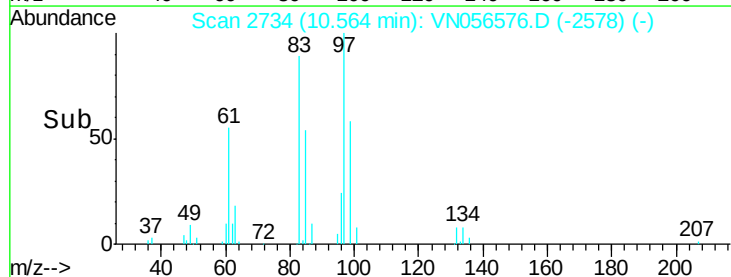
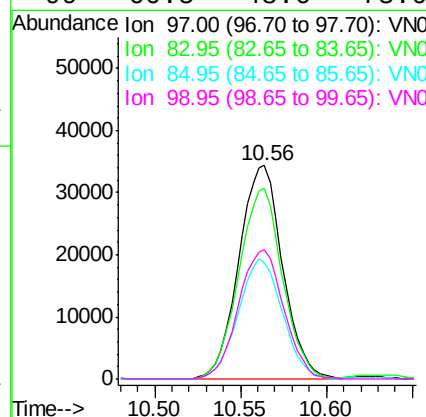
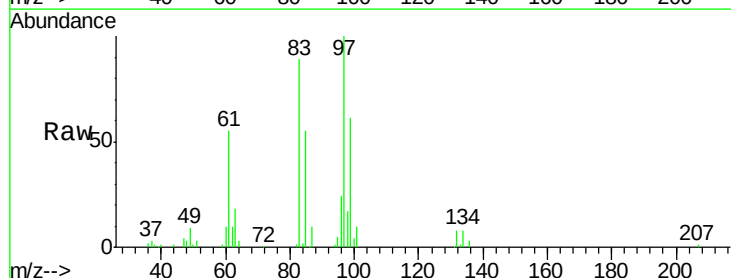
MMDadoda
7/8/2019 10:04:47 AM

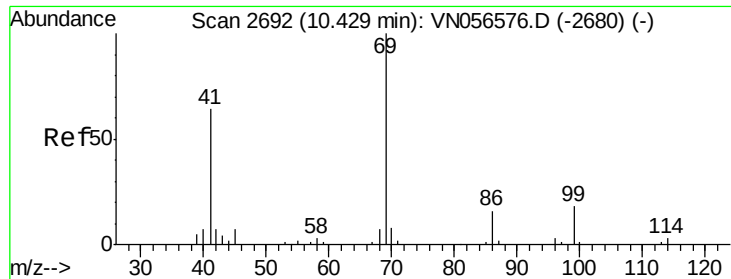


#50

1,1,2-Trichloroethane
Concen: 20.228 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.1	66.9	100.3
85	54.5	43.3	64.9
99	60.5	48.6	73.0





#51

Ethyl methacrylate

Concen: 20.777 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Instrument :

MSVOA_N

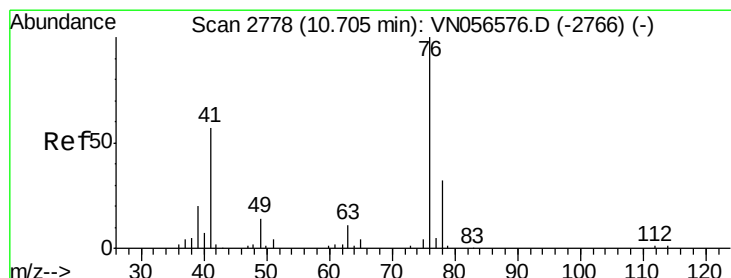
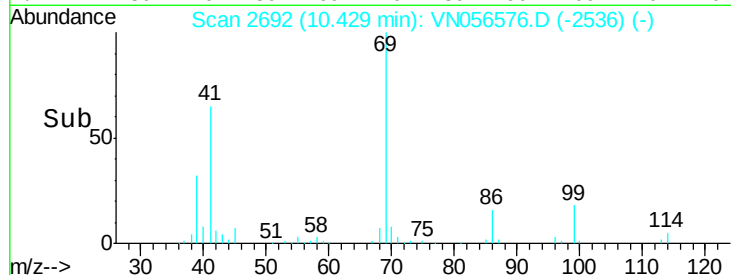
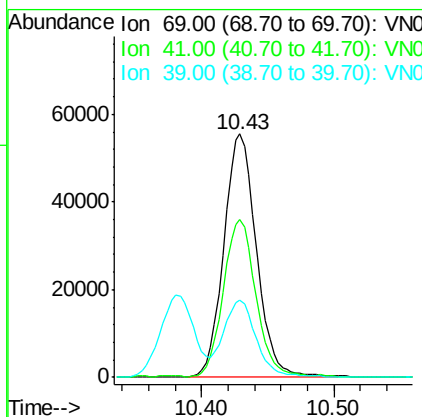
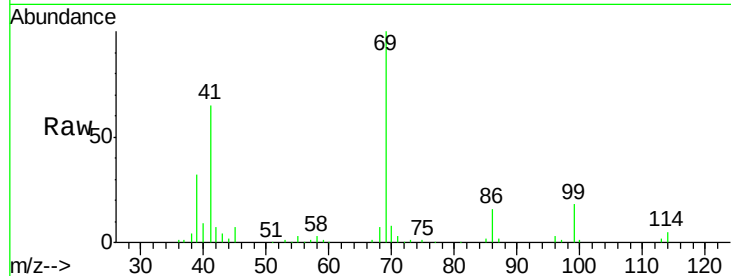
ClientSampled :

VSTDICCC020

Tot Ion:	69	Resp:	94871
Ion Ratio	Lower	Upper	
69	100		
41	64.4	30.8	92.3
39	31.1	14.5	43.6

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:04:47 AM



#52

1,3-Dichloropropane

Concen: 21.036 ug/l

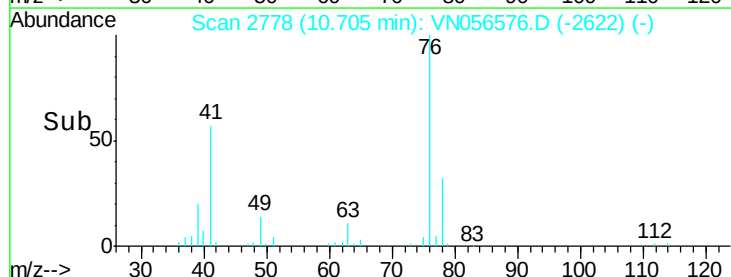
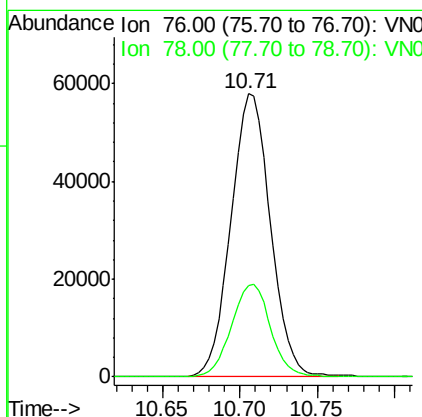
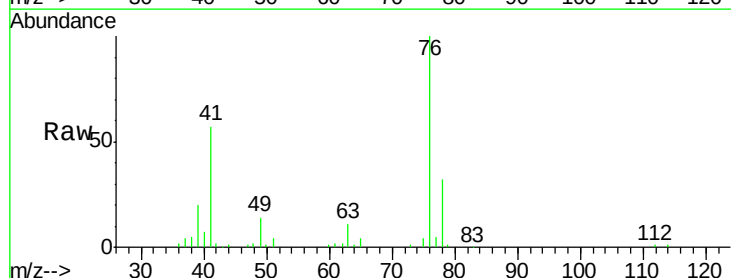
RT: 10.71 min Scan# 2778

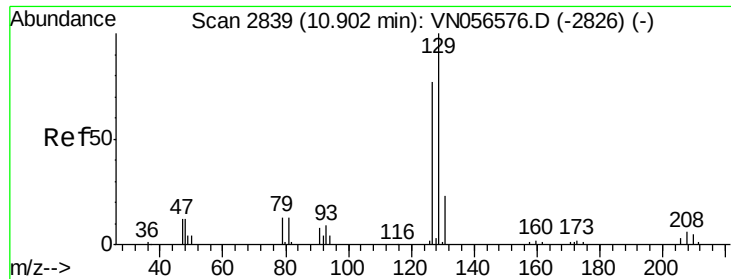
Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Tgt Ion:	76	Resp:	102933
Ion Ratio	Lower	Upper	
76	100		
78	32.3	0.0	63.4





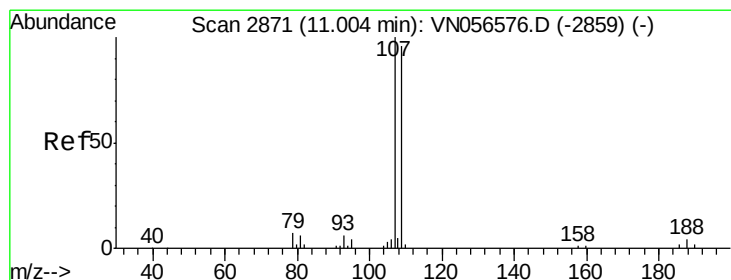
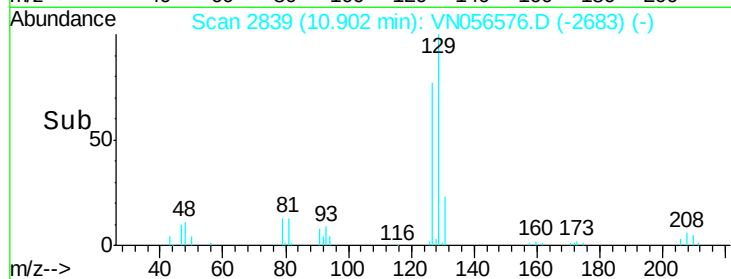
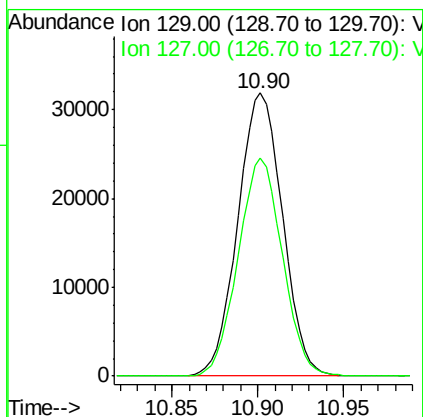
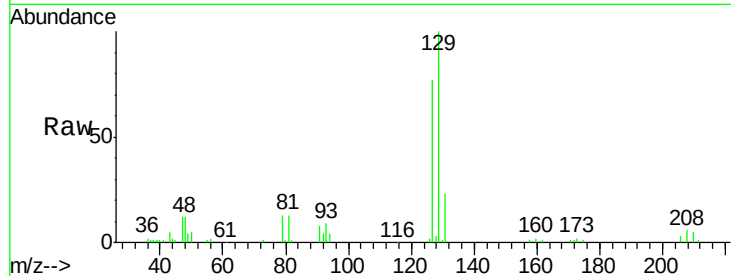
#53
 Dibromochloromethane
 Concen: 19.500 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.2	39.1	117.5

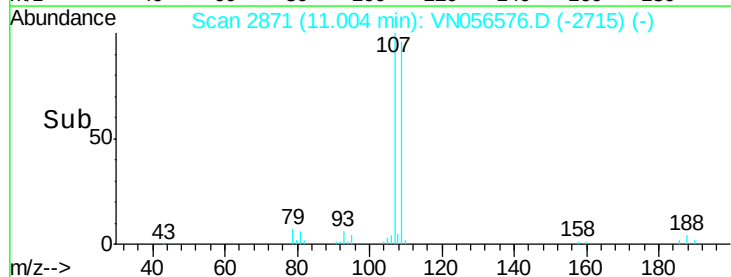
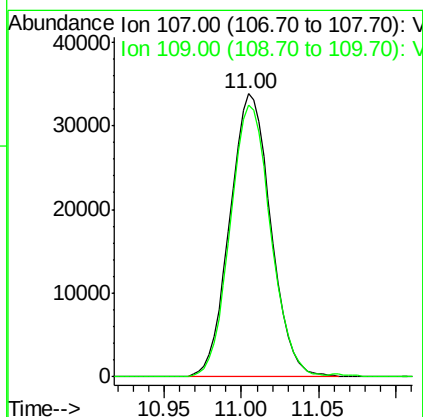
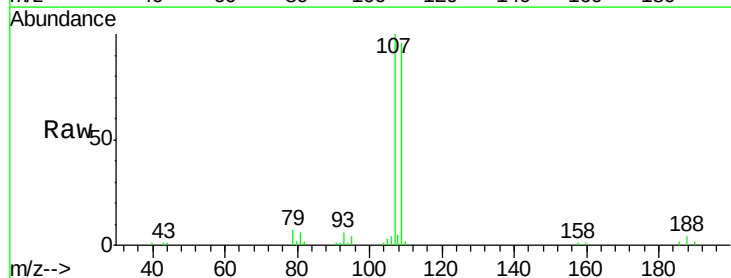
Manual Integrations
 APPROVED

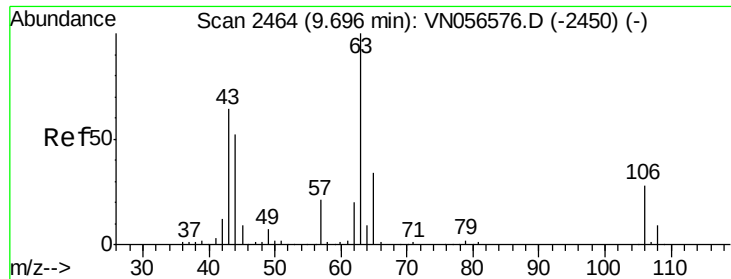
MMDadoda
 7/8/2019 10:04:47 AM



#54
 1,2-Dibromoethane
 Concen: 19.749 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.8	115.2





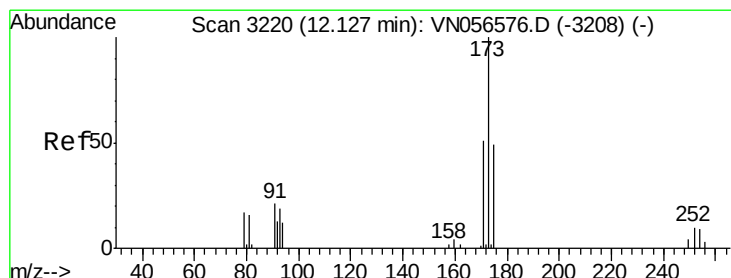
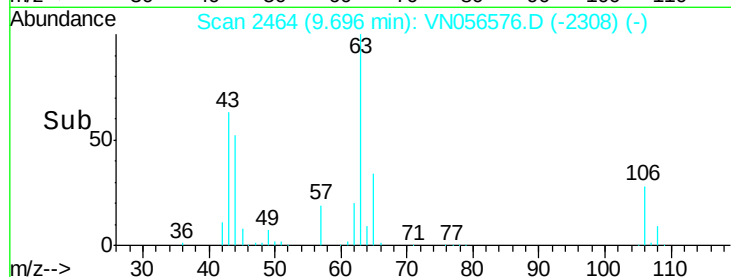
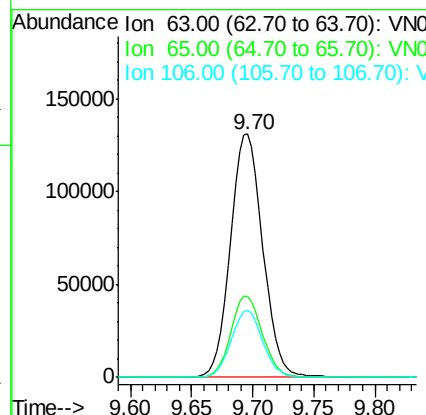
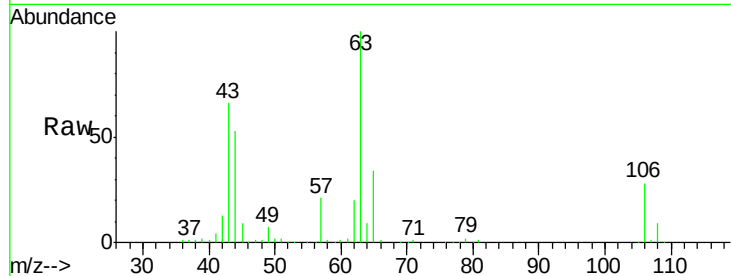
#55
2-Chloroethyl vinyl ether
Concen: 151.716 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.5	38.3
106	26.7	23.0	34.4

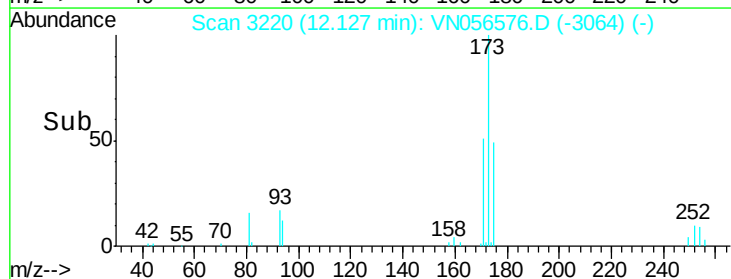
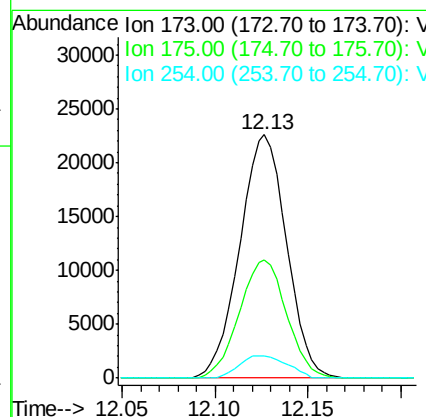
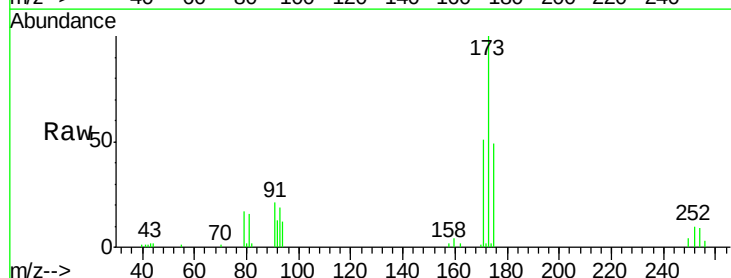
Manual Integrations
APPROVED

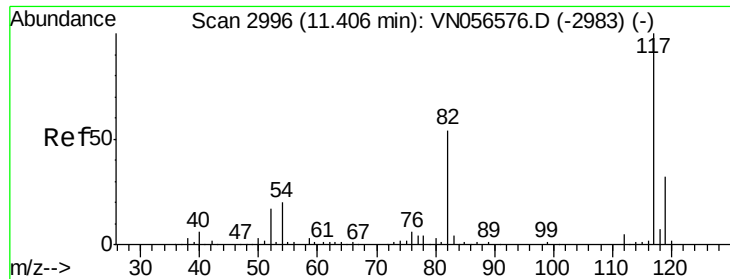
MMDadoda
7/8/2019 10:04:47 AM



#56
Bromoform
Concen: 18.525 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.7	58.1
254	9.4	6.6	9.8





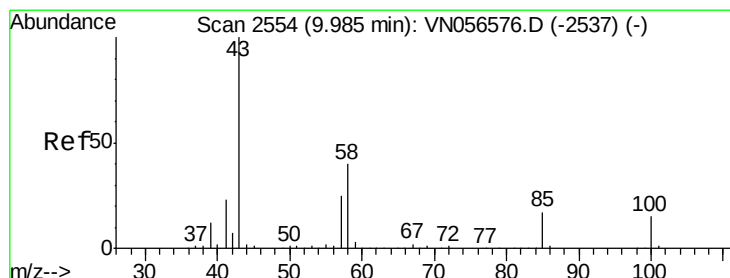
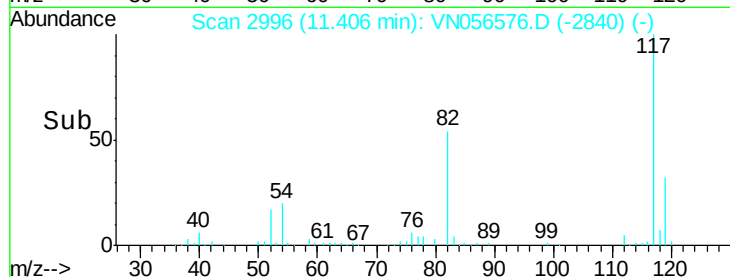
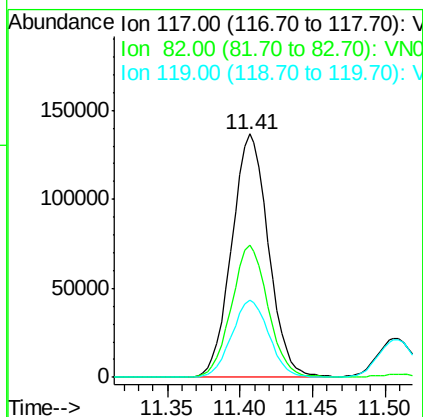
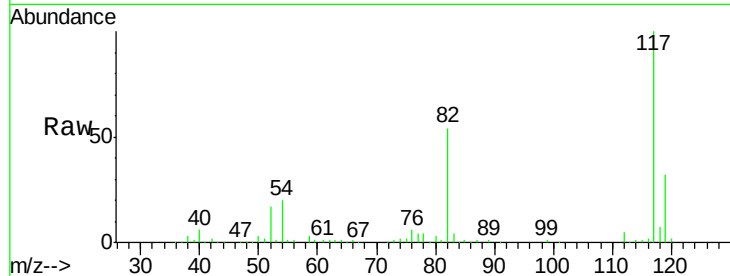
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	41.2	61.8
119	32.2	26.2	39.2

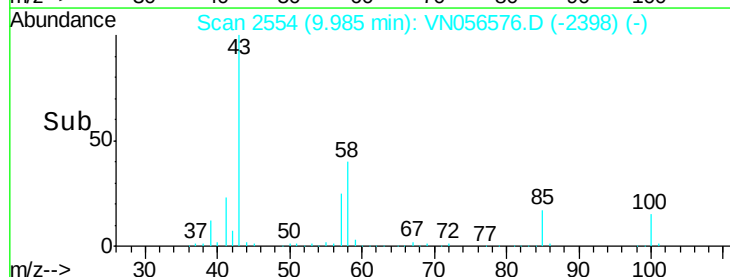
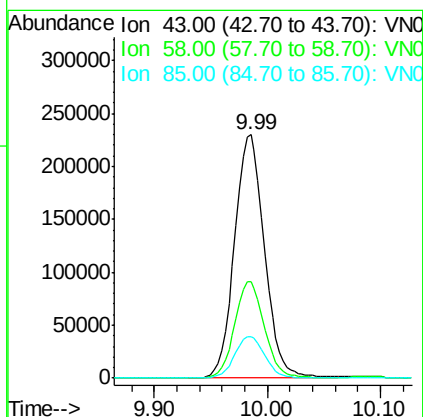
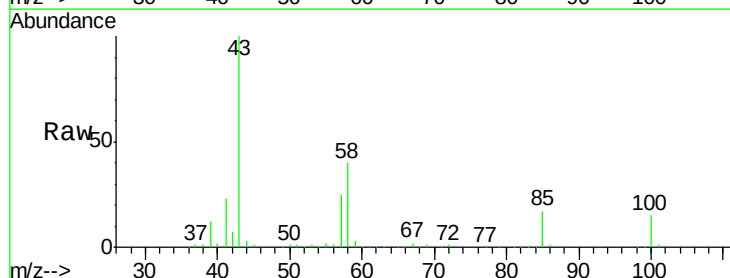
Manual Integrations
APPROVED

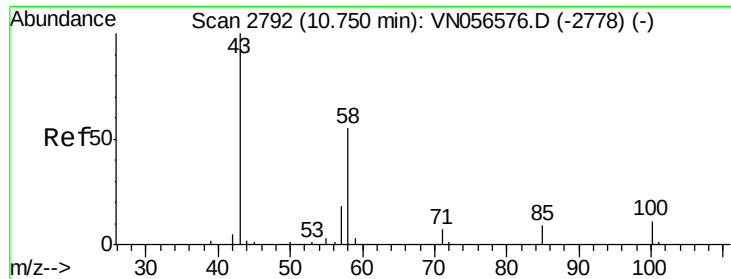
MMDadoda
7/8/2019 10:04:47 AM



#58
4-Methyl-2-Pentanone
Concen: 116.626 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.5	33.1	49.7
85	17.2	15.5	23.3





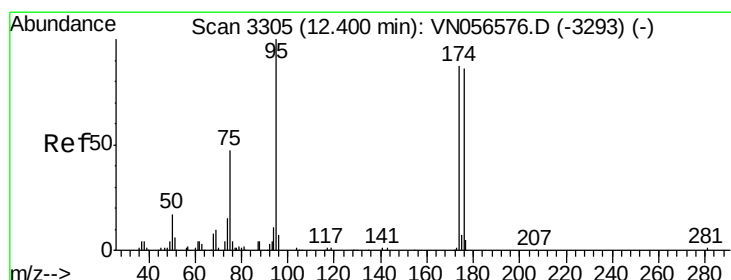
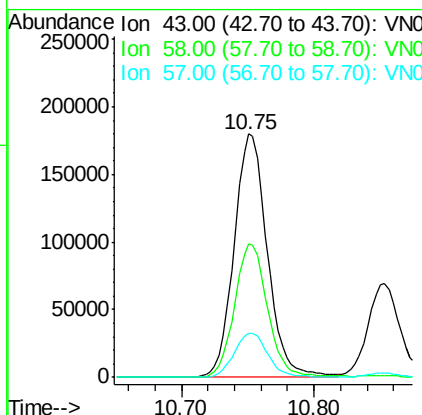
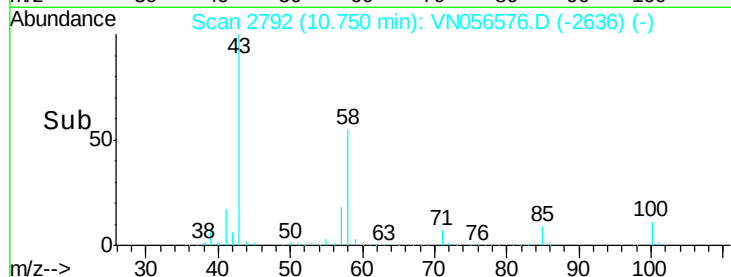
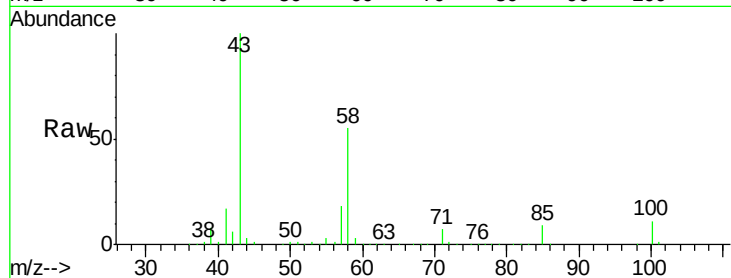
#59
2-Hexanone
Concen: 120.054 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	45.3	67.9
57	18.6	15.6	23.4

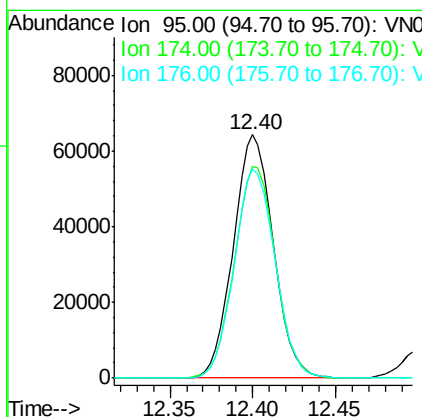
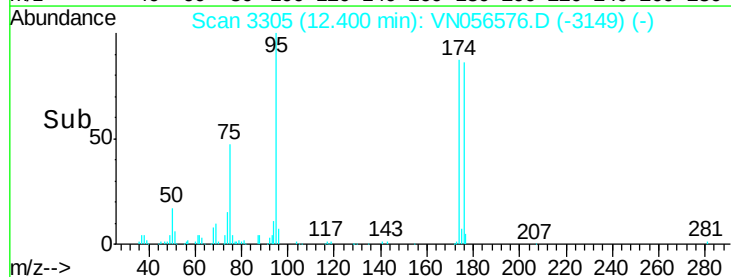
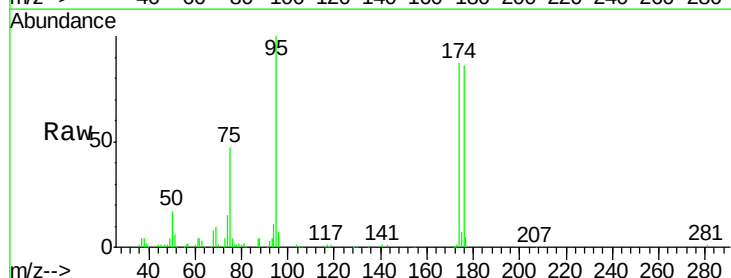
Manual Integrations
APPROVED

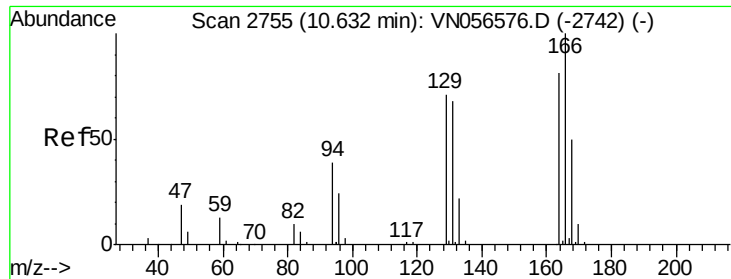
MMDadoda
7/8/2019 10:04:47 AM



#60
4-Bromofluorobenzene
Concen: 30.274 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	75.4	113.0
176	87.9	73.9	110.9





#61

Tetrachloroethene

Concen: 17.878 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 59818

Ion Ratio Lower Upper

164 100

166 124.1 104.3 156.5

129 88.3 71.5 107.3

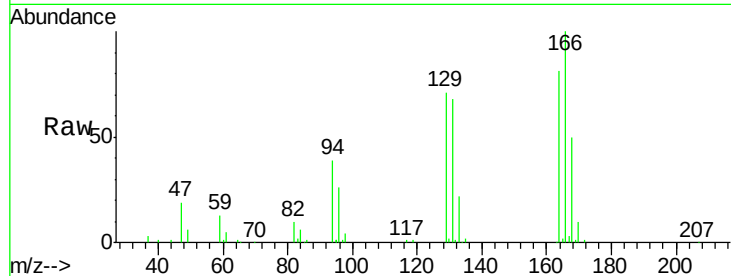
131 84.5 67.7 101.5

Manual Integrations

APPROVED

MMDadoda

7/8/2019 10:04:47 AM

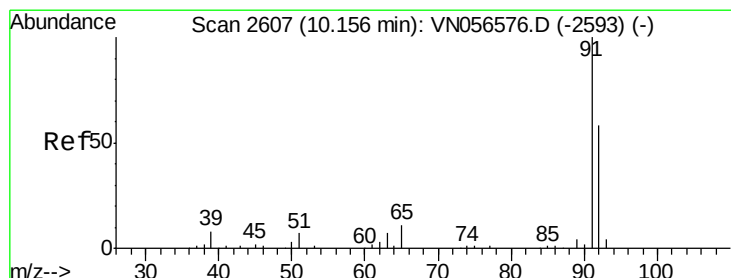
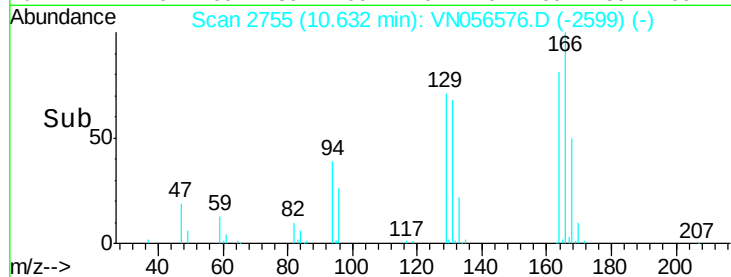
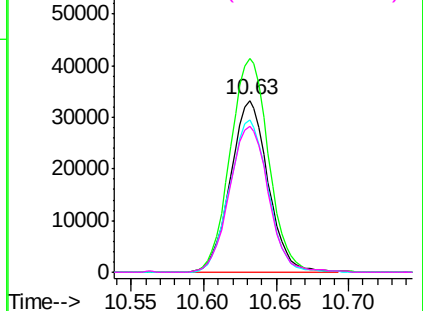


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.319 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056576.D

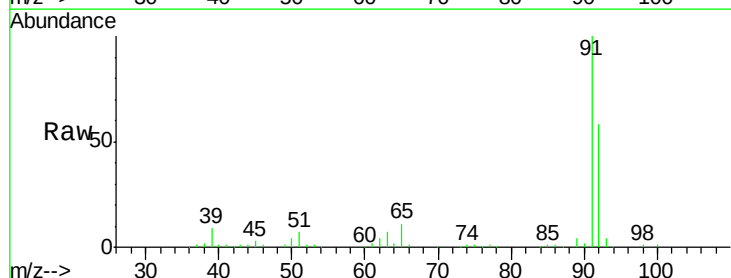
Acq: 3 Jul 2019 9:33

Tgt Ion: 91 Resp: 263335

Ion Ratio Lower Upper

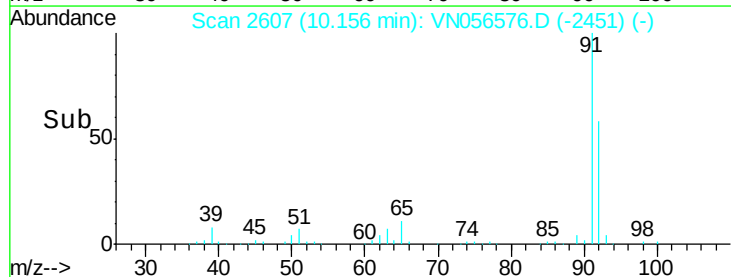
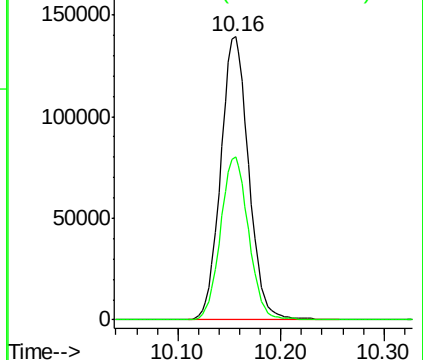
91 100

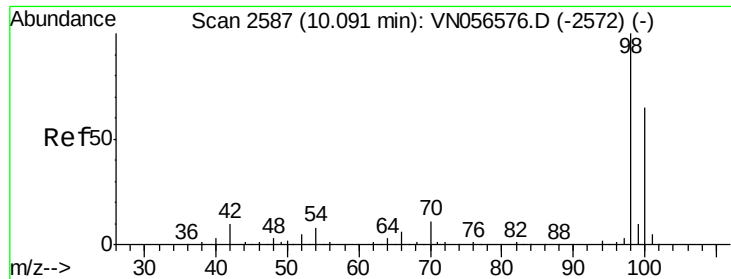
92 57.6 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





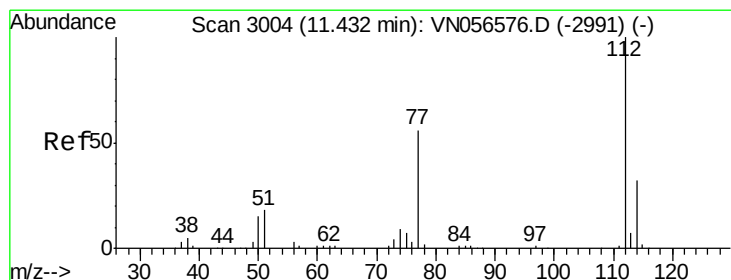
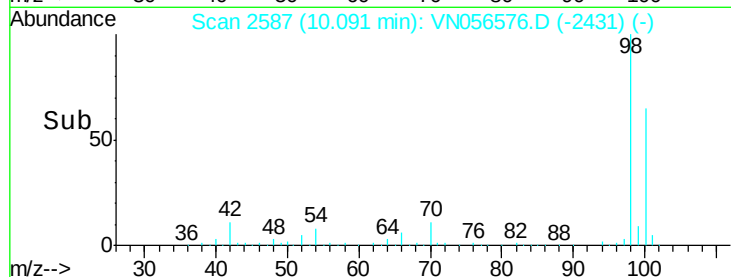
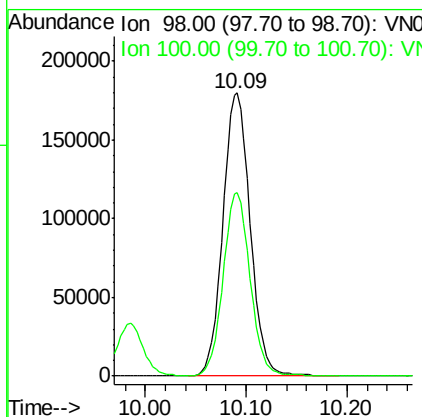
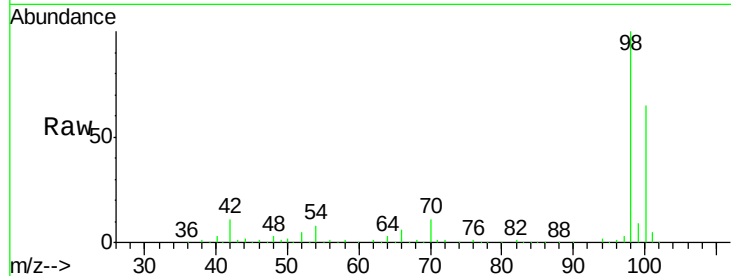
#63
Toluene-d8
Concen: 31.304 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion: 98 Resp: 340921
Ion Ratio Lower Upper
98 100
100 63.6 52.2 78.4

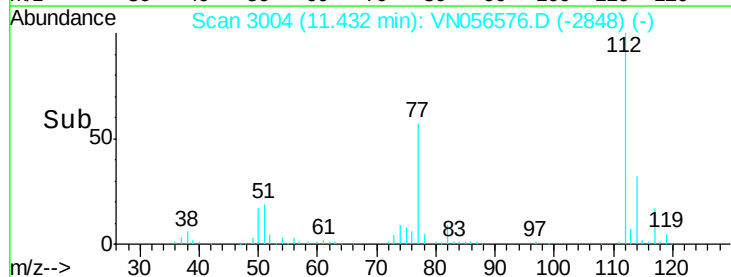
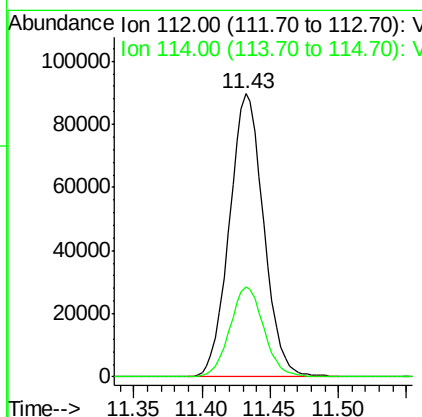
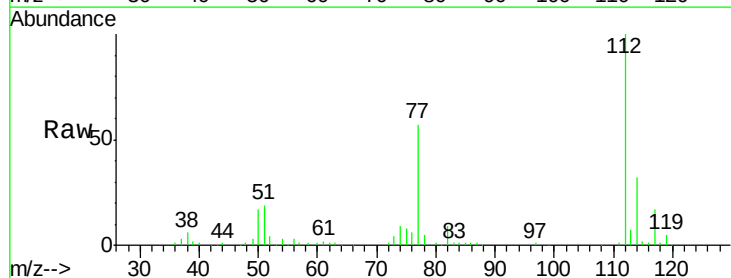
Manual Integrations
APPROVED

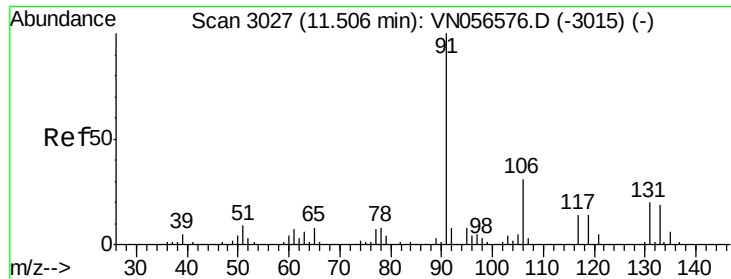
MMDadoda
7/8/2019 10:04:47 AM



#64
Chlorobenzene
Concen: 19.913 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion: 112 Resp: 156536
Ion Ratio Lower Upper
112 100
114 31.8 26.1 39.1





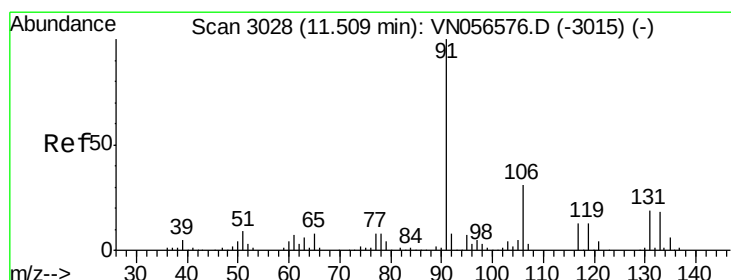
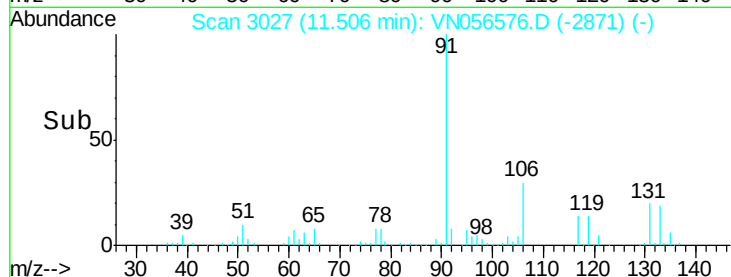
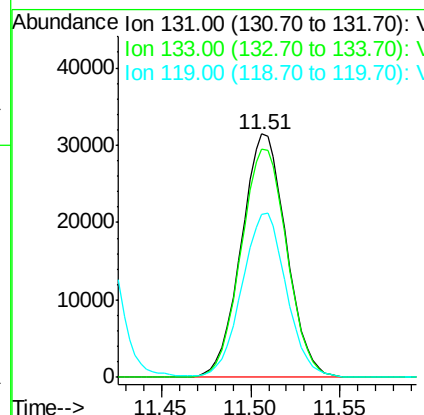
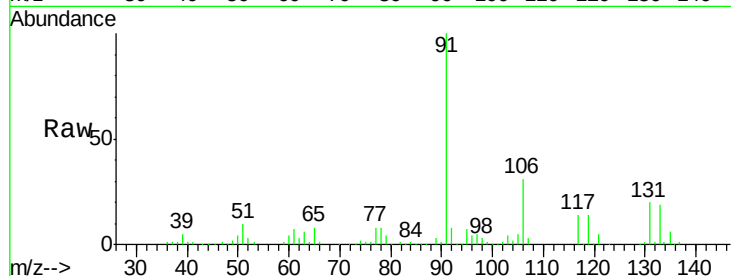
#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.563 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.5	0.0	193.8
119	66.6	0.0	134.4

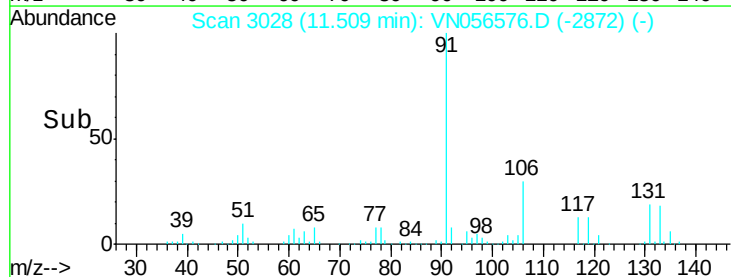
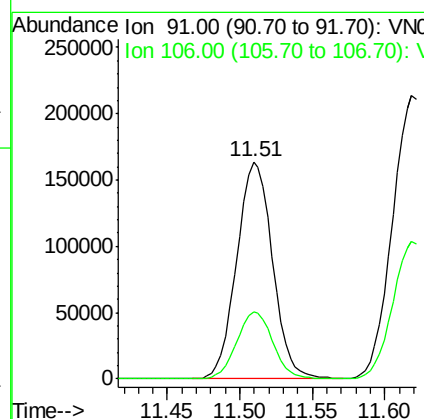
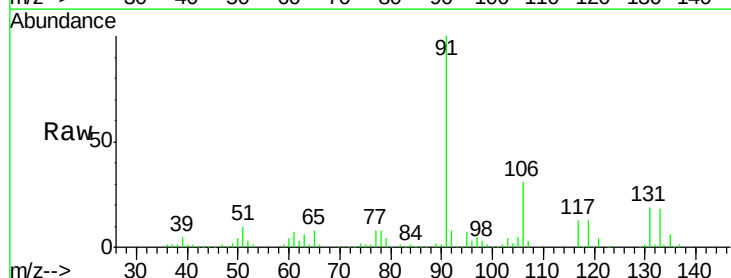
Manual Integrations
 APPROVED

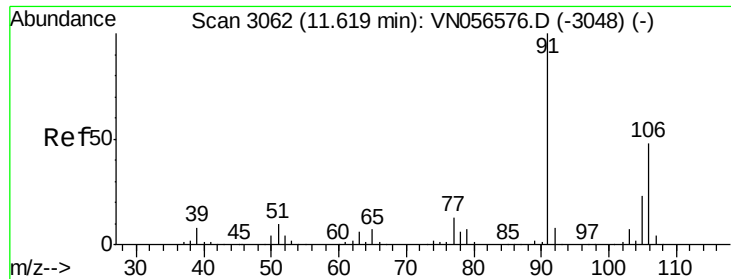
MMDadoda
 7/8/2019 10:04:47 AM



#66
 Ethyl Benzene
 Concen: 20.354 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.7	38.5





#67

m/p-Xylenes

Concen: 39.277 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion:106 Resp: 207524

Ion Ratio Lower Upper

106 100

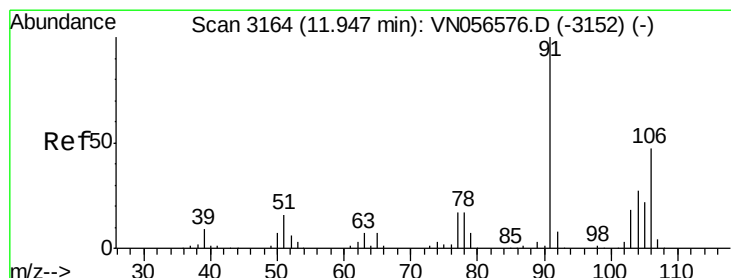
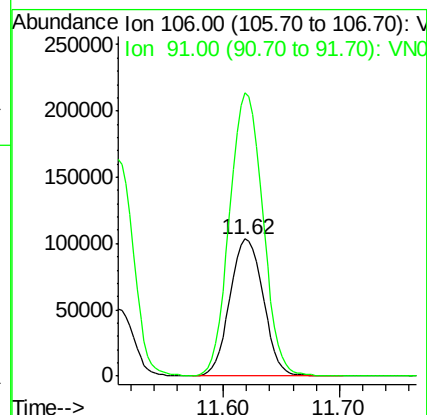
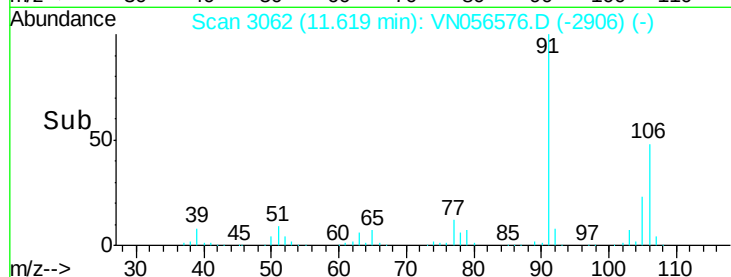
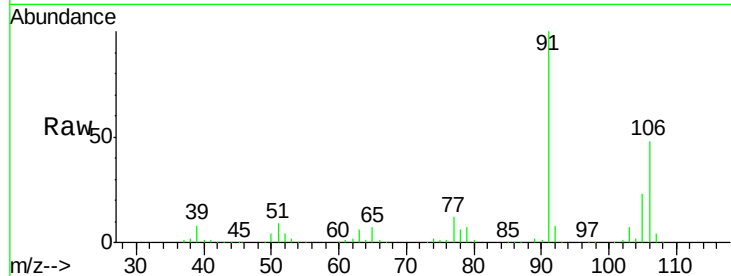
91 205.0 155.7 233.5

Manual Integrations

APPROVED

MMDadoda

7/8/2019 10:04:47 AM



#68

o-Xylene

Concen: 19.860 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN056576.D

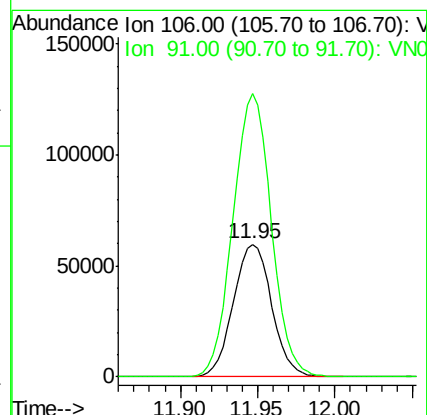
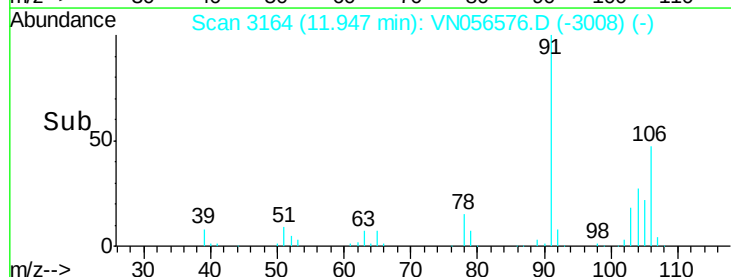
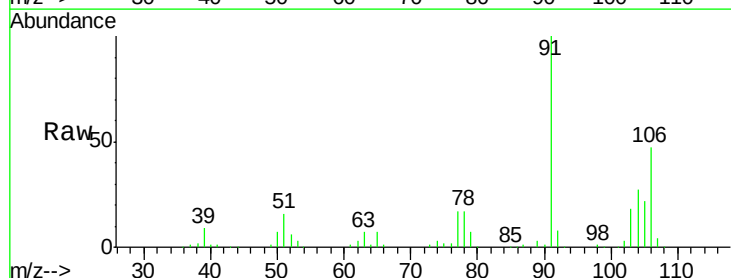
Acq: 3 Jul 2019 9:33

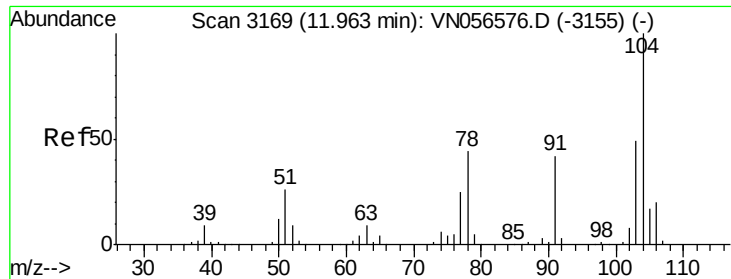
Tgt Ion:106 Resp: 102728

Ion Ratio Lower Upper

106 100

91 213.6 103.9 311.7





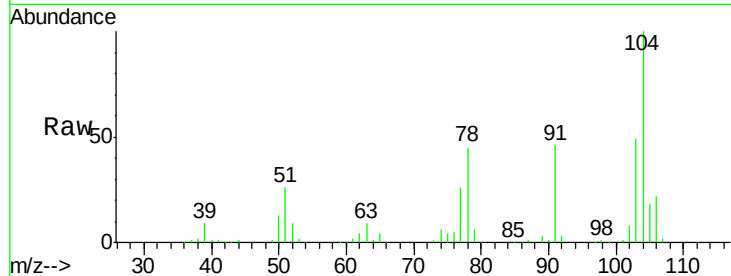
#69
Stvrene
Concen: 20.240 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

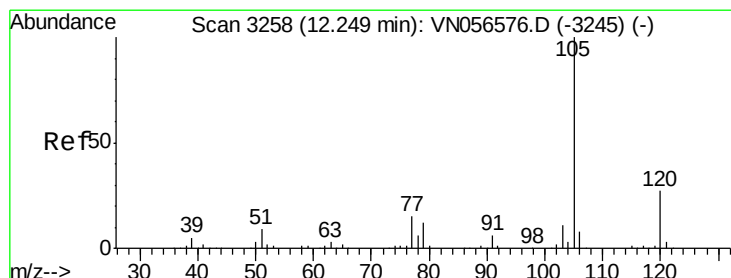
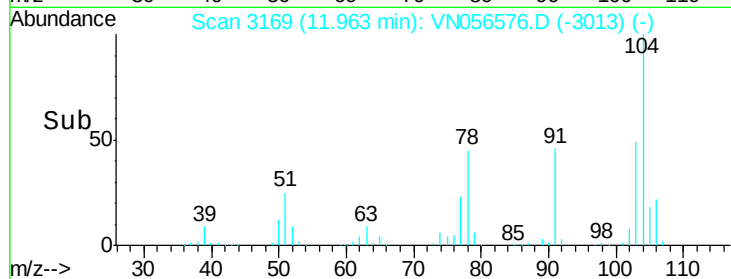
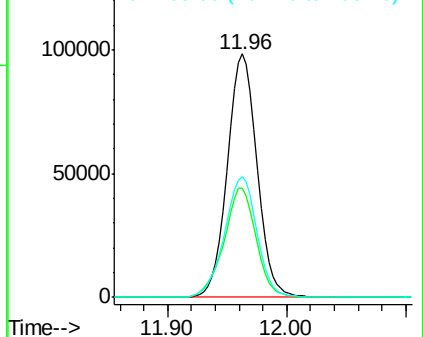
Tot Ion	Ratio	Resp	Lower	Upper
104	100	170096		
78	48.6		37.0	55.6
103	54.1		44.4	66.6

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:04:47 AM

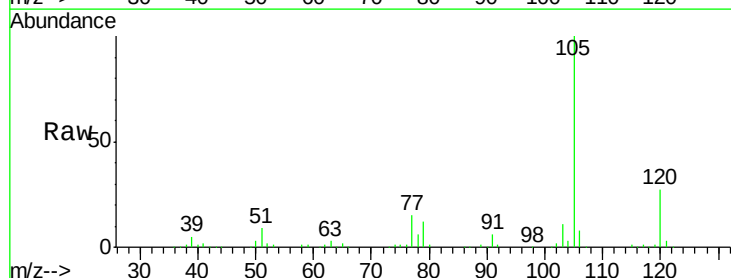


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

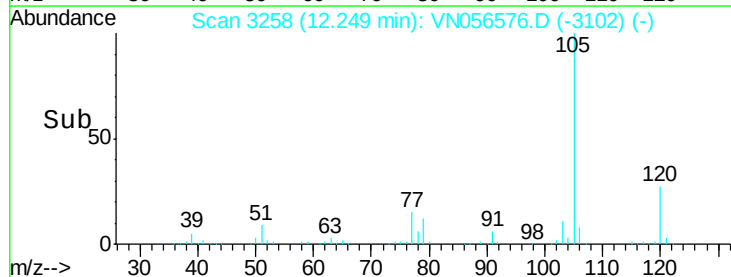
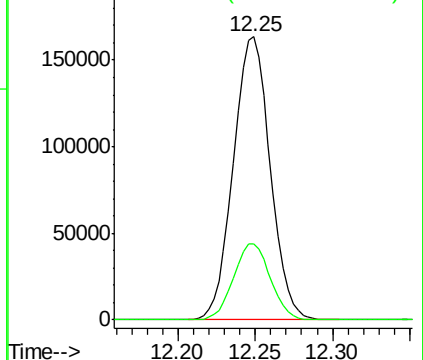


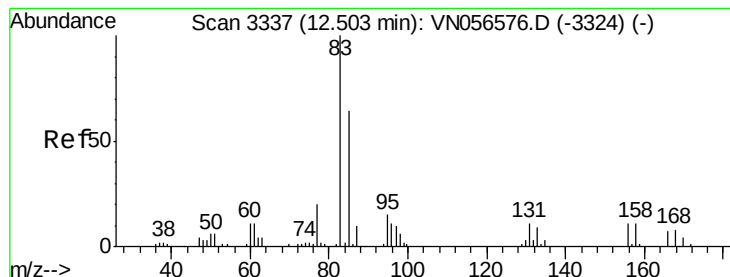
#70
Isopropylbenzene
Concen: 20.001 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	270304		
120	26.8		19.3	35.8



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





#71

1,1,2,2-Tetrachloroethane

Concen: 21.778 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Instrument :

MSVOA_N

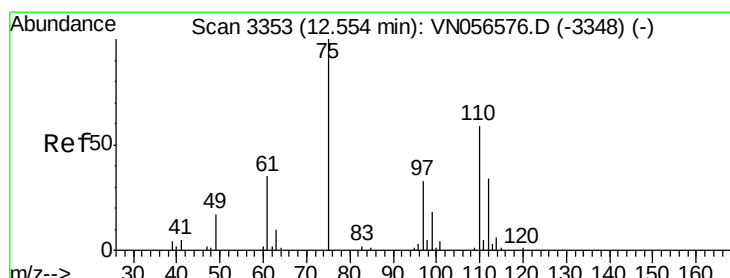
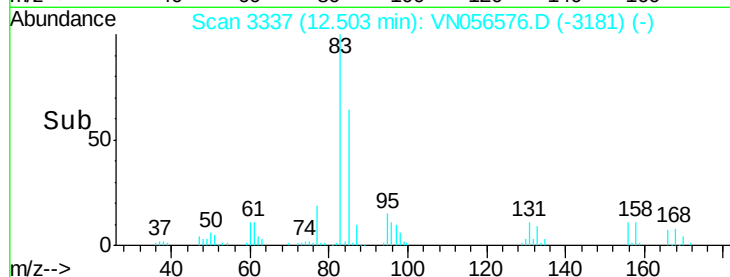
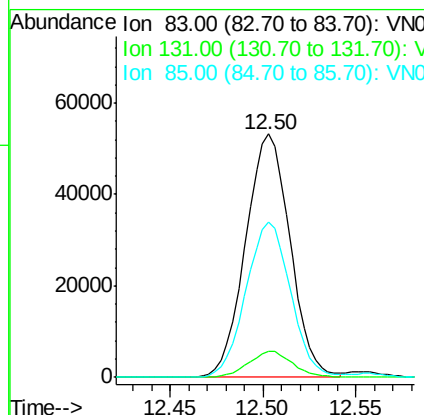
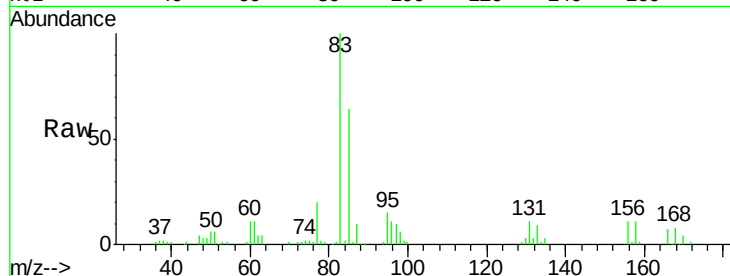
ClientSampleId :

VSTDICCC020

Tot Ion:	83	Resp:	88736
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	63.9	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:04:47 AM



#72

1,2,3-Trichloropropane

Concen: 22.166 ug/l m

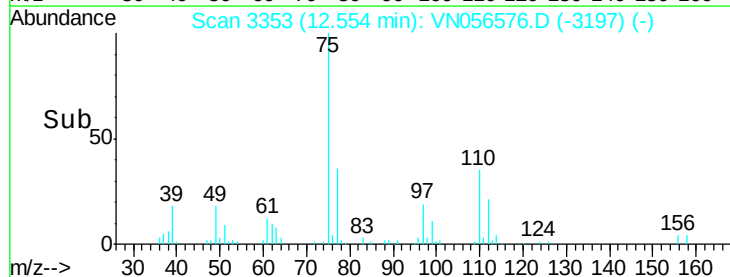
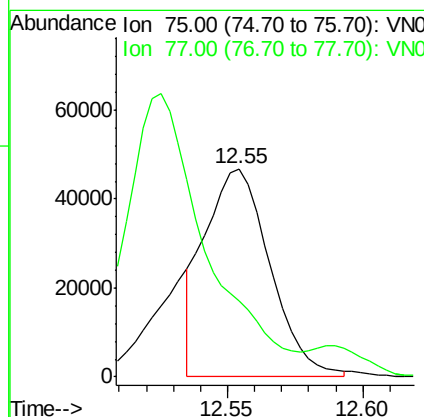
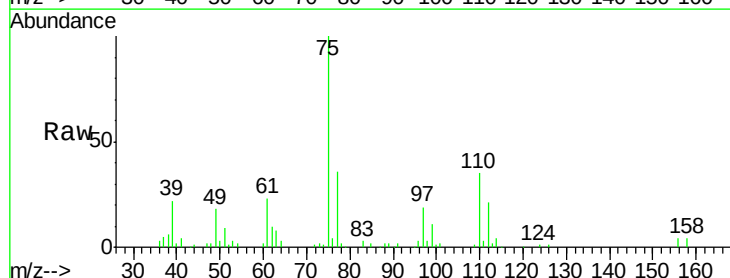
RT: 12.55 min Scan# 3353

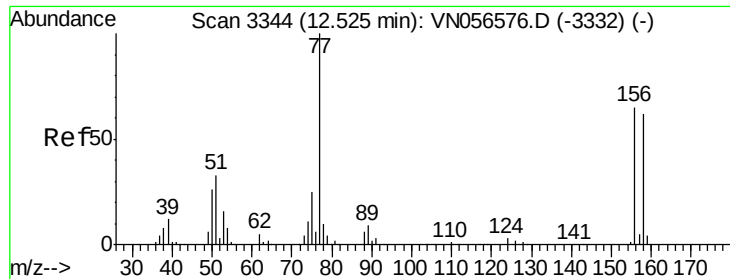
Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Tgt Ion:	75	Resp:	78187
Ion Ratio	Lower	Upper	
75	100		
77	170.2	0.0	350.0





#73

Bromobenzene

Concen: 19.195 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Instrument :

MSVOA_N

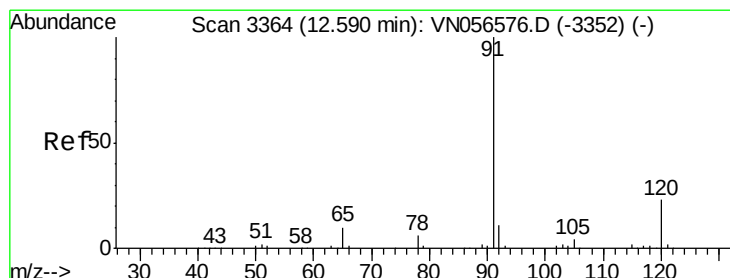
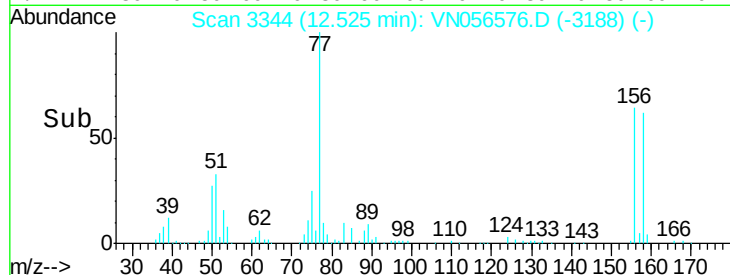
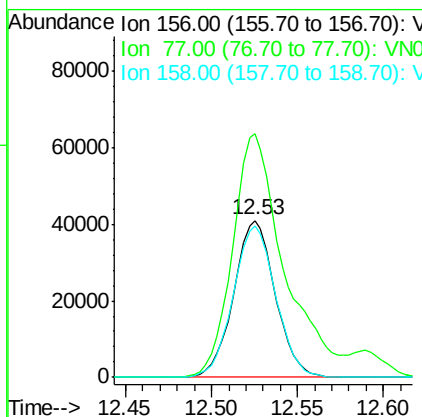
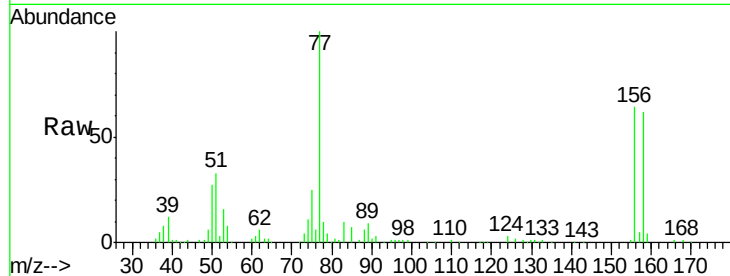
ClientSampled :

VSTDICCC020

Tot Ion:	156	Resp:	68857
Ion Ratio	Lower	Upper	
156	100		
77	193.2	0.0	350.8
158	98.5	0.0	193.2

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:04:47 AM



#74

n-propylbenzene

Concen: 20.906 ug/l

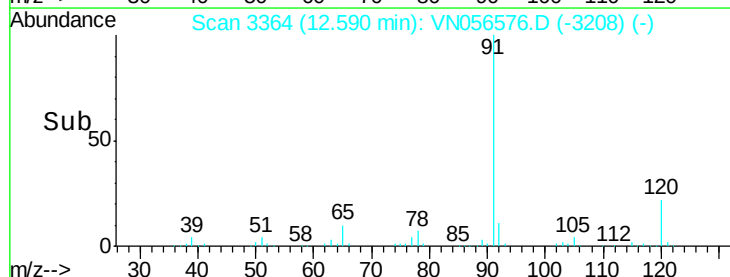
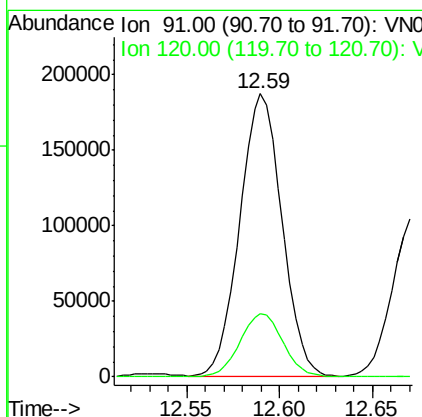
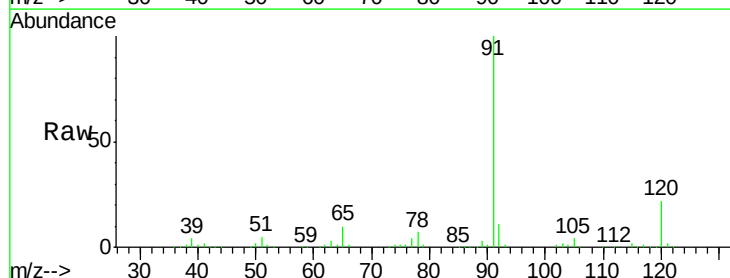
RT: 12.59 min Scan# 3364

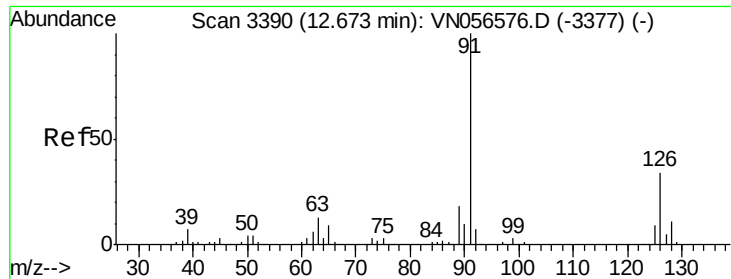
Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Tgt Ion:	91	Resp:	298170
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	48.6





#75

2-Chlorotoluene

Concen: 20.571 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 91 Resp: 181973

Ion Ratio Lower Upper

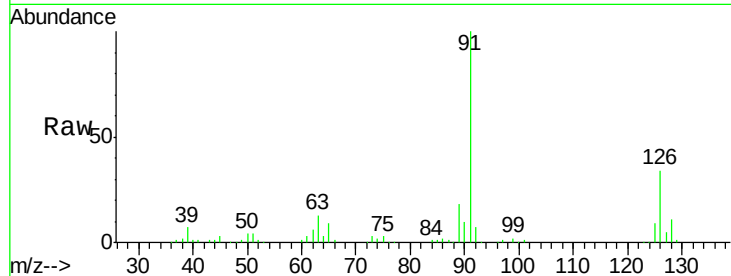
91 100

126 34.6 0.0 72.4

Manual Integrations
APPROVED

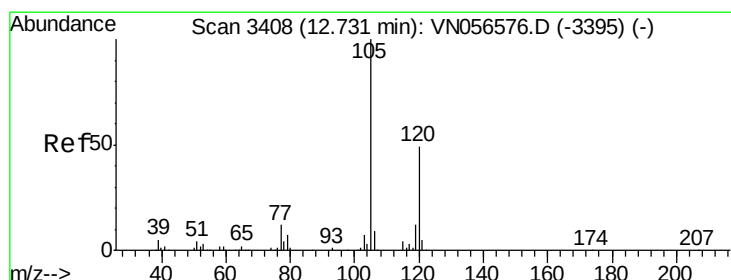
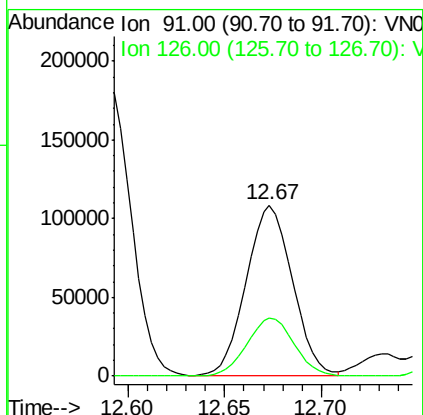
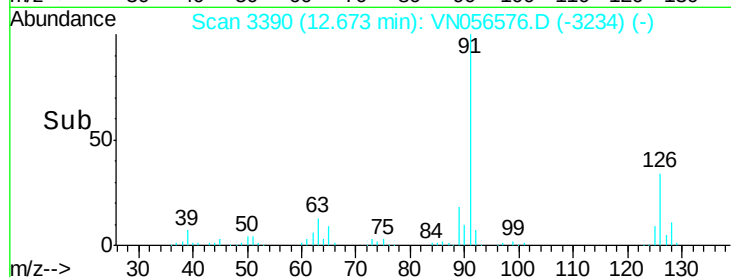
MMDadoda

7/8/2019 10:04:47 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056576.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.439 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056576.D

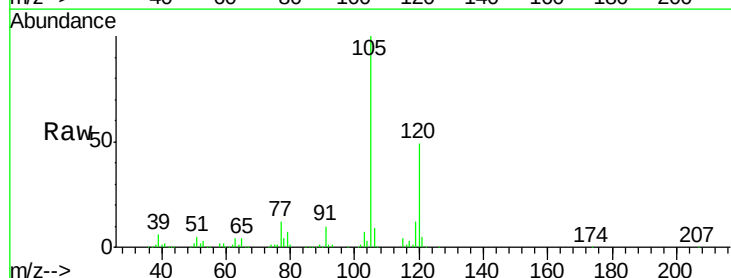
Acq: 3 Jul 2019 9:33

Tgt Ion: 105 Resp: 227213

Ion Ratio Lower Upper

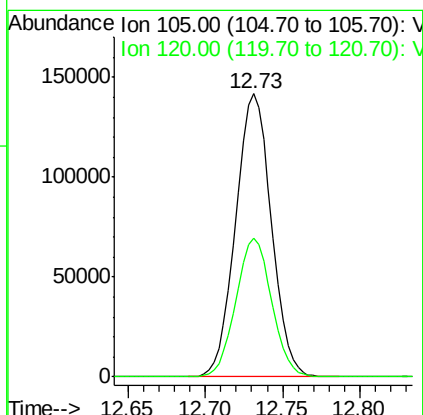
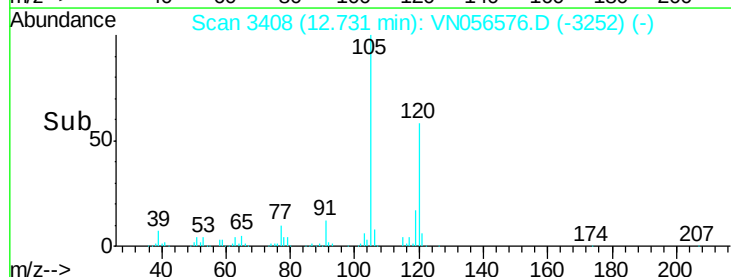
105 100

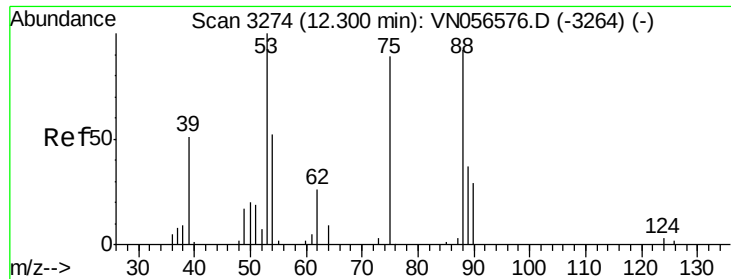
120 49.0 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056576.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN056576.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 21.077 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 75 Resp: 21214

Ion Ratio Lower Upper

75 100

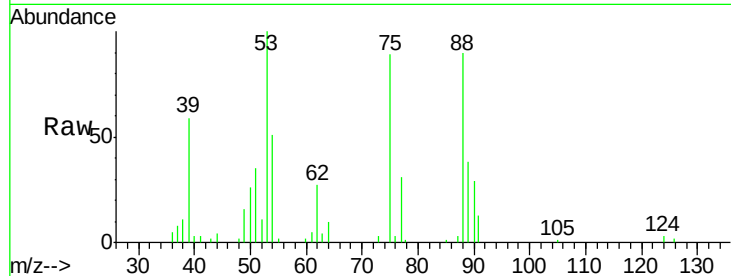
53 110.6 48.0 144.0

89 42.6 22.5 67.5

Manual Integrations
APPROVED

MMDadoda

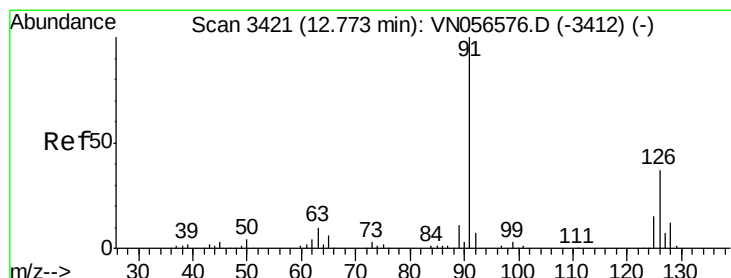
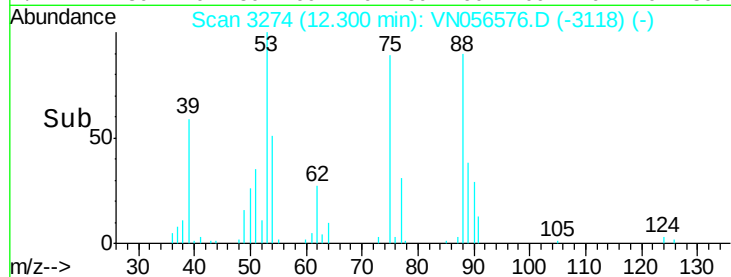
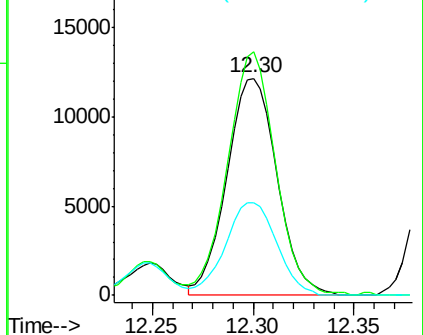
7/8/2019 10:04:47 AM



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 21.205 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056576.D

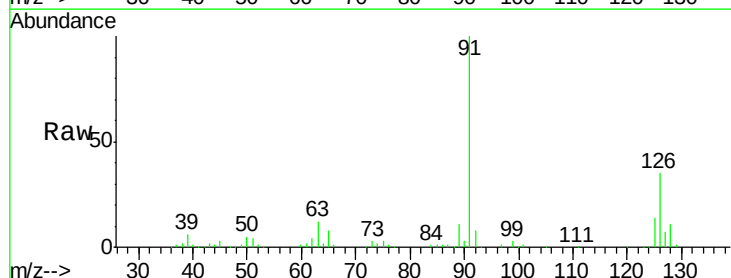
Acq: 3 Jul 2019 9:33

Tgt Ion: 91 Resp: 175184

Ion Ratio Lower Upper

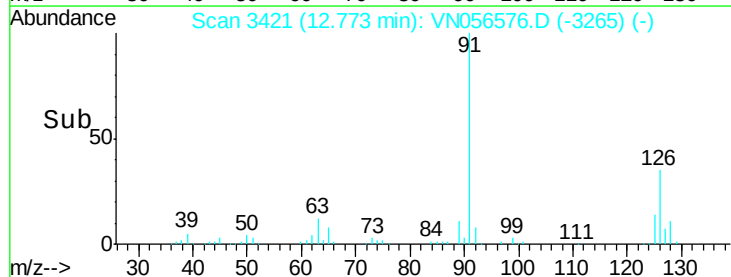
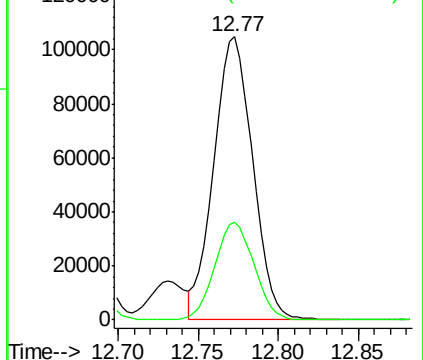
91 100

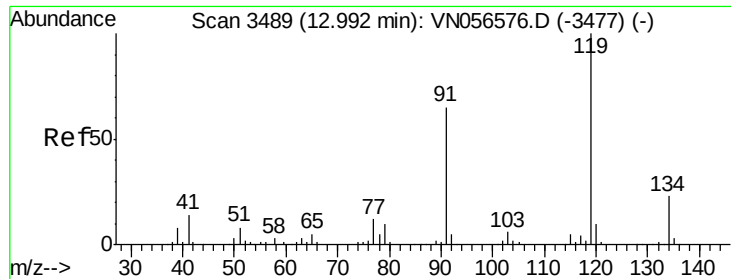
126 34.5 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





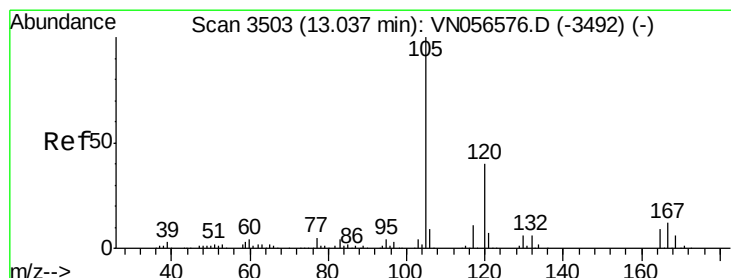
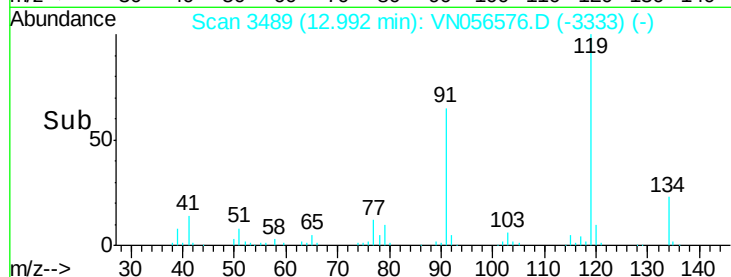
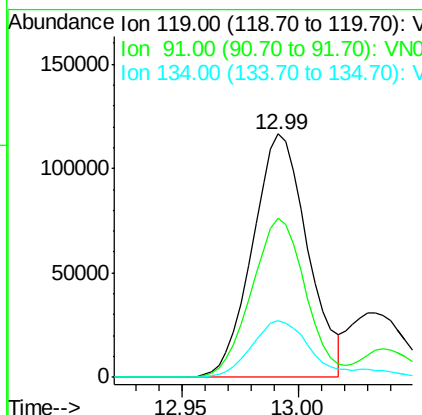
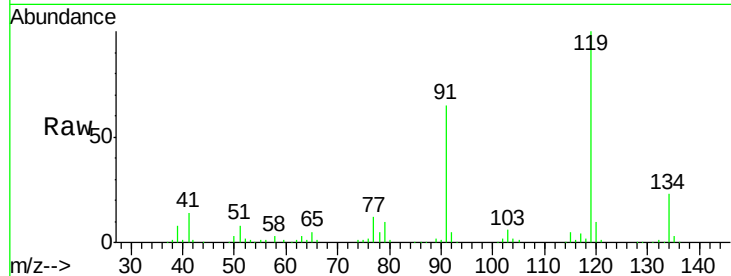
#79
 tert-butylbenzene
 Concen: 19.565 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	192694		
91	64.2	0.0	122.8	
134	24.5	0.0	50.2	

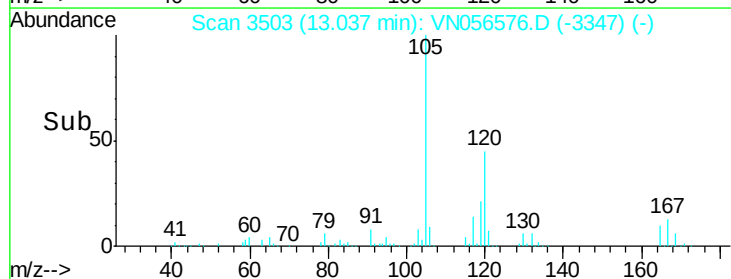
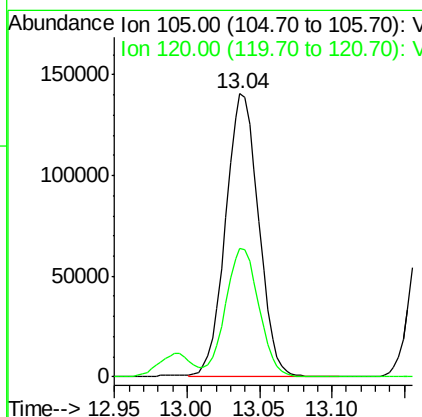
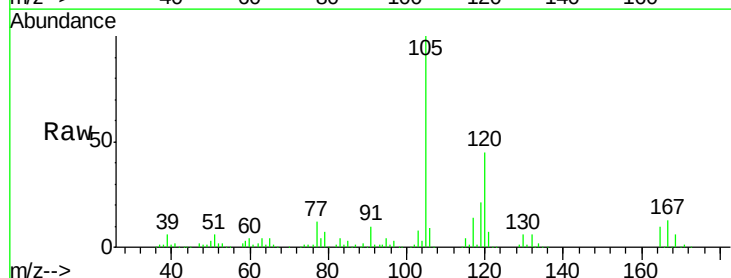
Manual Integrations
 APPROVED

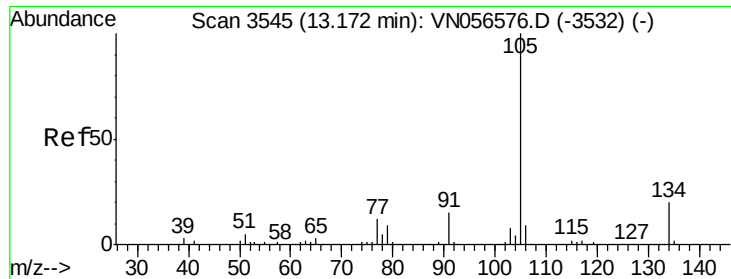
MMDadoda
 7/8/2019 10:04:47 AM



#80
 1,2,4-Trimethylbenzene
 Concen: 20.566 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	222403		
120	45.8	0.0	93.4	





#81

sec-Butylbenzene

Concen: 20.439 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:105 Resp: 254658

Ion Ratio Lower Upper

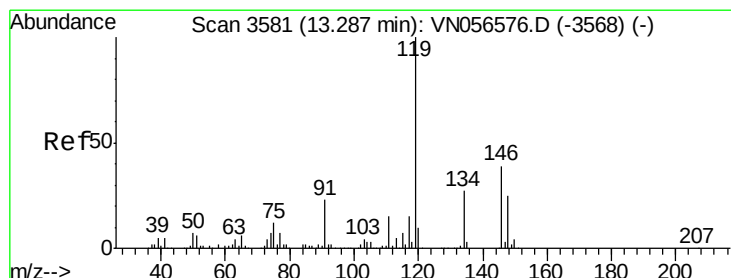
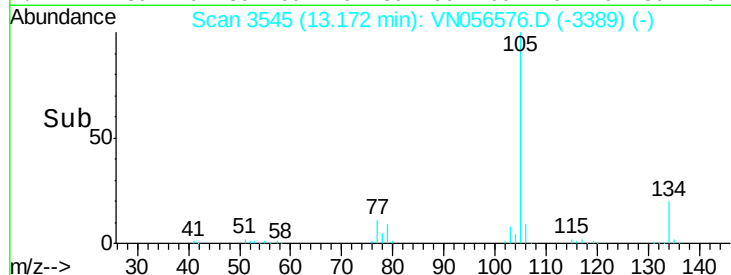
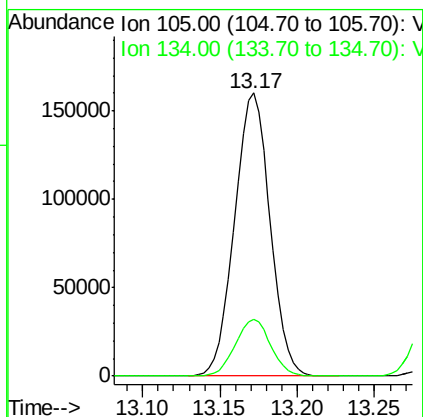
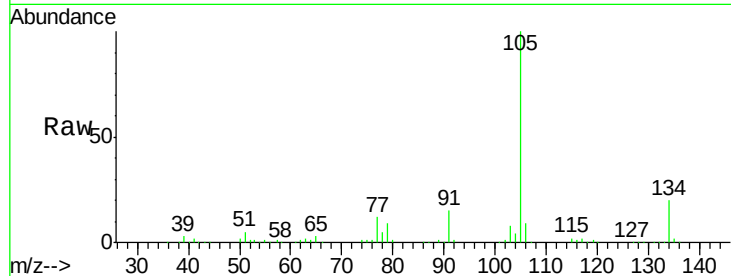
105 100

134 20.0 0.0 41.8

Manual Integrations
APPROVED

MMDadoda

7/8/2019 10:04:47 AM



#82

p-Isopropyltoluene

Concen: 20.213 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

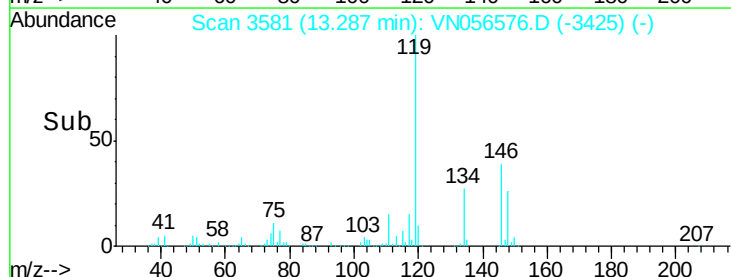
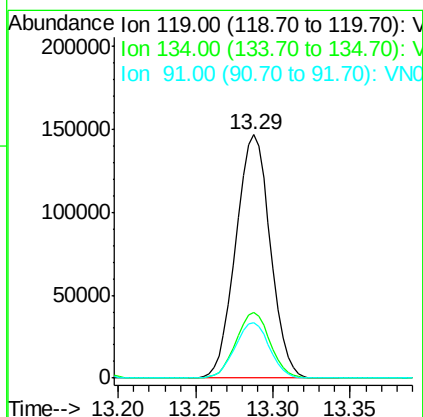
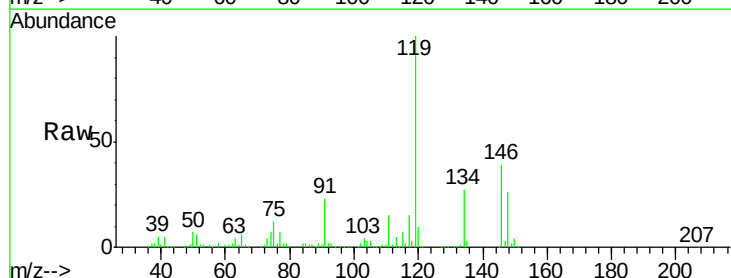
Tgt Ion:119 Resp: 227696

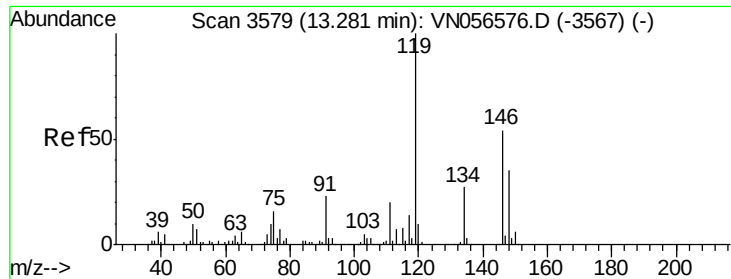
Ion Ratio Lower Upper

119 100

134 26.7 0.0 53.4

91 22.7 0.0 43.0





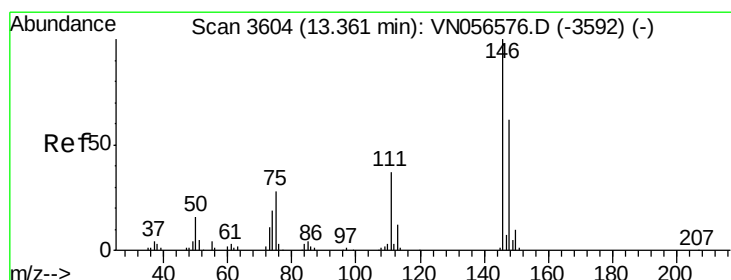
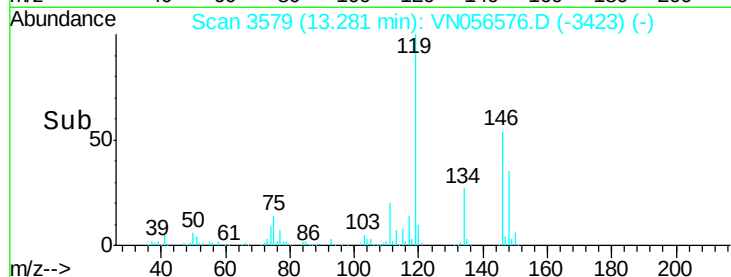
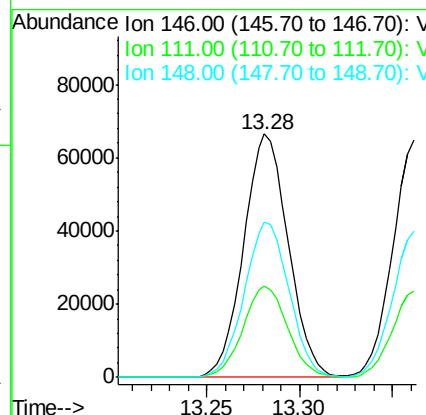
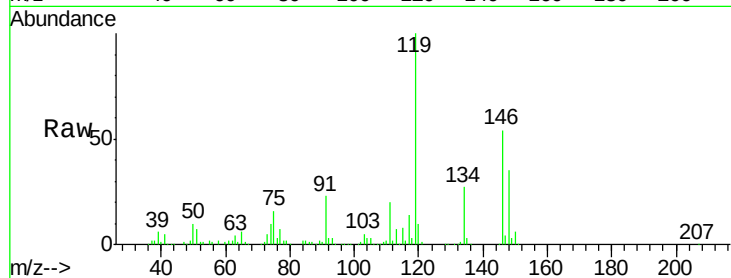
#83
 1,3-Dichlorobenzene
 Concen: 19.859 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	111020		
111	37.3	18.2	54.6	
148	63.8	31.9	95.9	

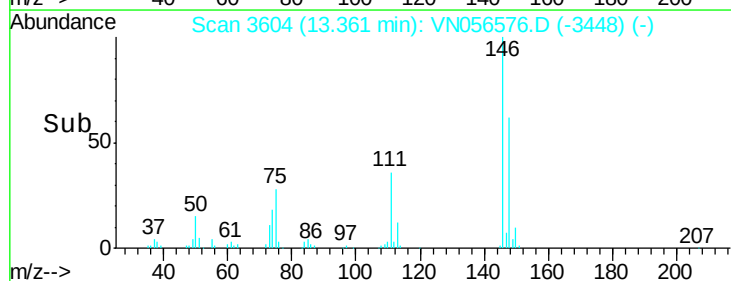
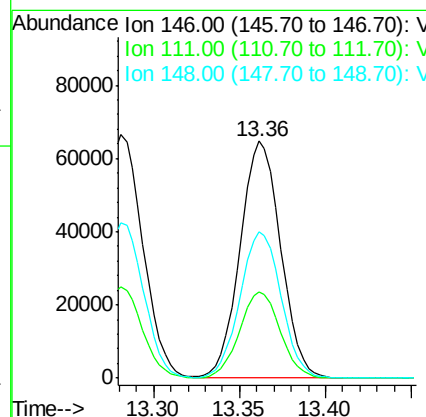
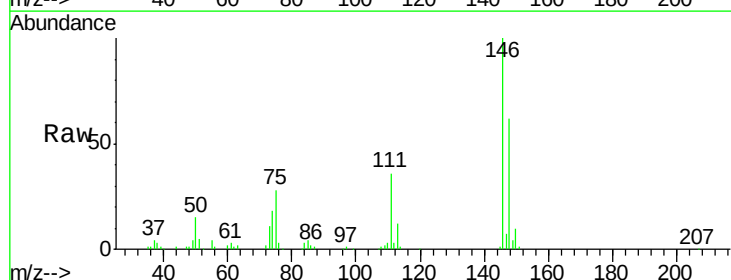
Manual Integrations
 APPROVED

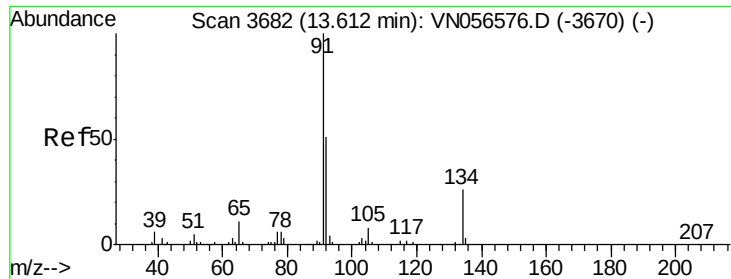
MMDadoda
 7/8/2019 10:04:47 AM



#84
 1,4-Dichlorobenzene
 Concen: 20.024 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	106630		
111	36.3	17.6	52.9	
148	62.6	32.1	96.3	





#85

n-Butylbenzene

Concen: 21.946 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056576.D

Acq: 3 Jul 2019 9:33

Instrument :

MSVOA_N

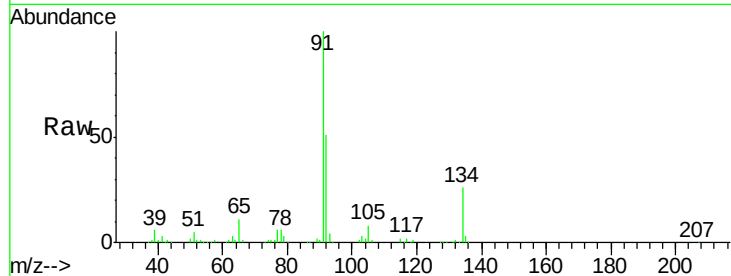
ClientSampled :

VSTDICCC020

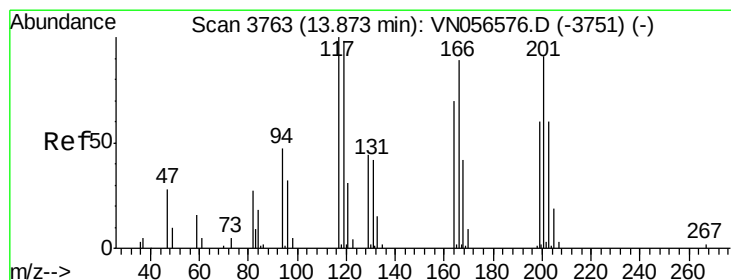
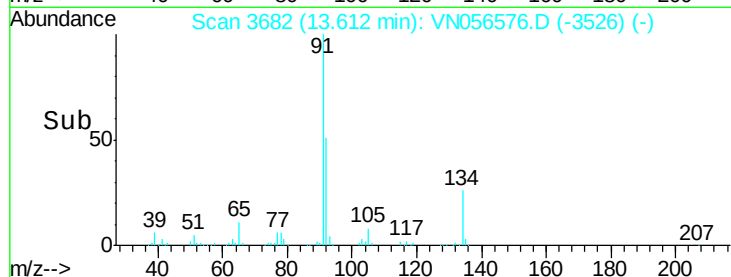
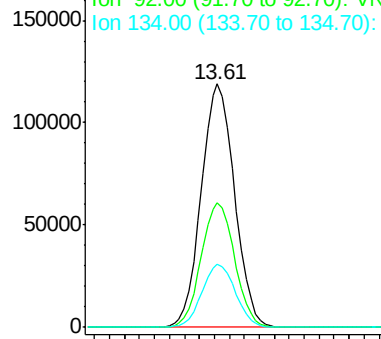
Tot Ion:	91	Resp:	184510
Ion Ratio		Lower	Upper
91	100		
92	51.2	0.0	107.2
134	26.0	0.0	55.8

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:04:47 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3670) (-)



#86

Hexachloroethane

Concen: 18.454 ug/l

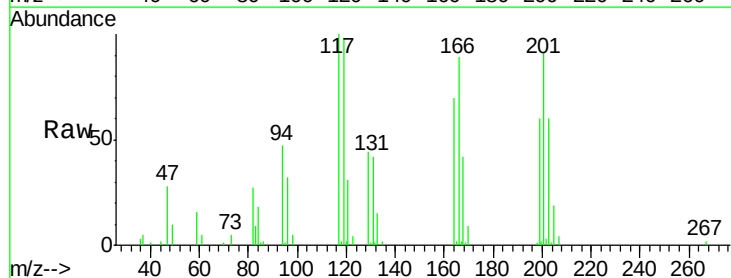
RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

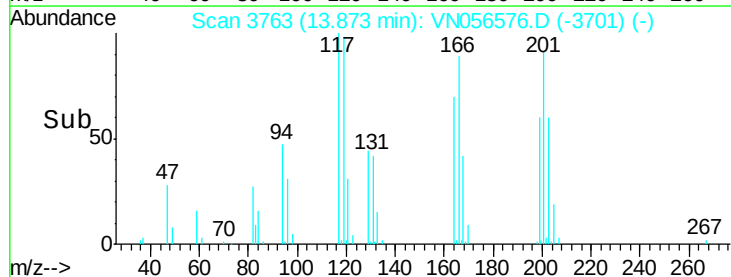
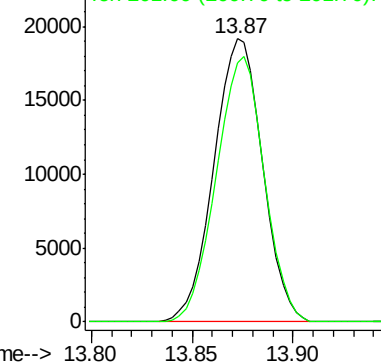
Lab File: VN056576.D

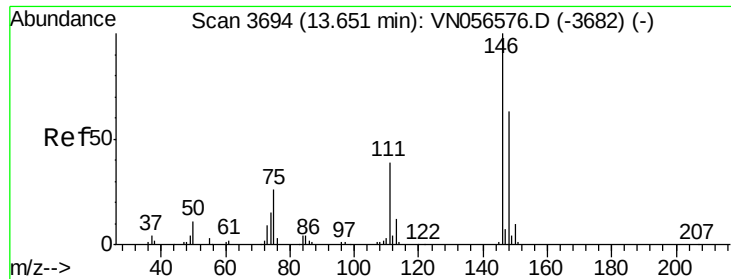
Acq: 3 Jul 2019 9:33

Tgt Ion:	117	Resp:	32408
Ion Ratio		Lower	Upper
117	100		
201	92.2	48.1	144.4



Abundance Ion 117.00 (116.70 to 117.70): VN056576.D (-3751) (-)





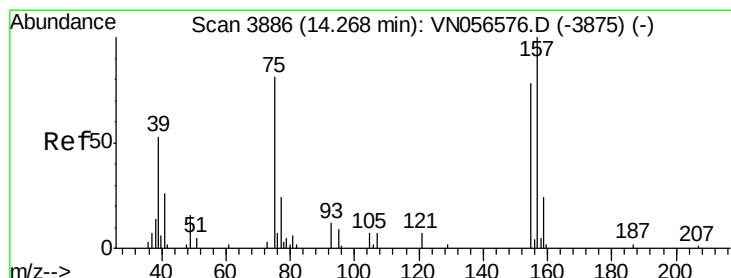
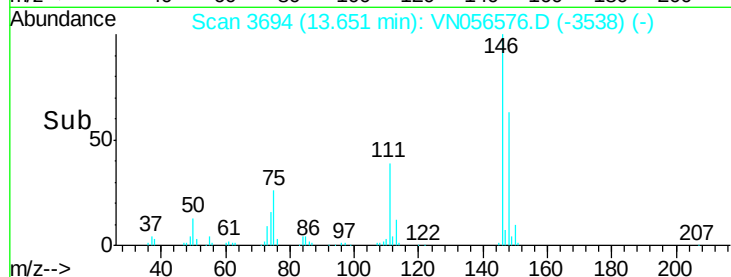
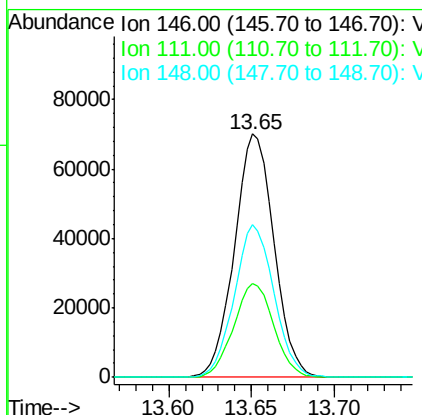
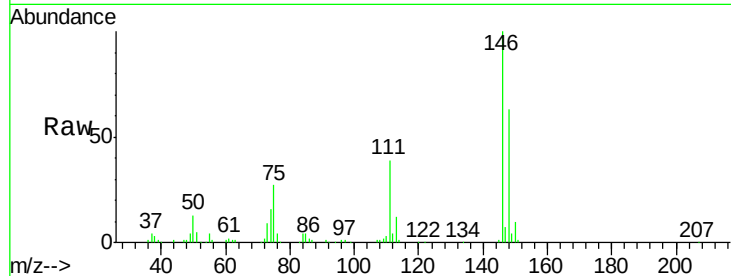
#87
 1,2-Dichlorobenzene
 Concen: 20.464 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.3	57.9
148	62.8	32.6	97.8

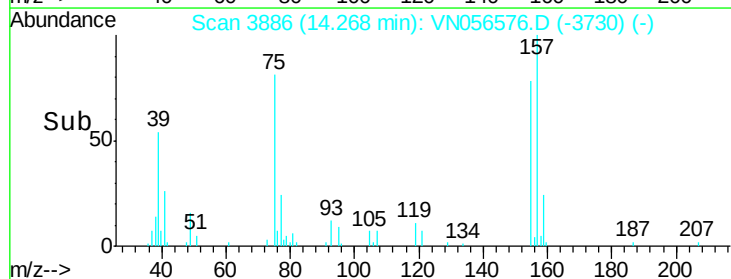
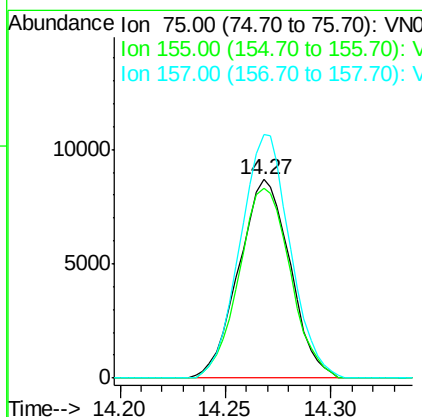
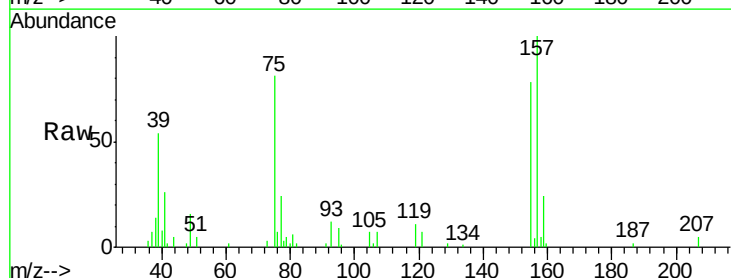
Manual Integrations
 APPROVED

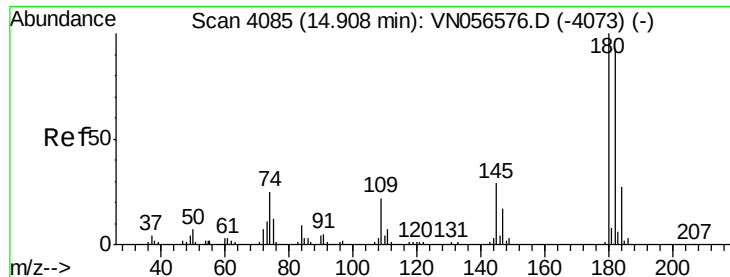
MMDadoda
 7/8/2019 10:04:47 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 23.013 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	82.5	123.7
157	119.3	105.1	157.7





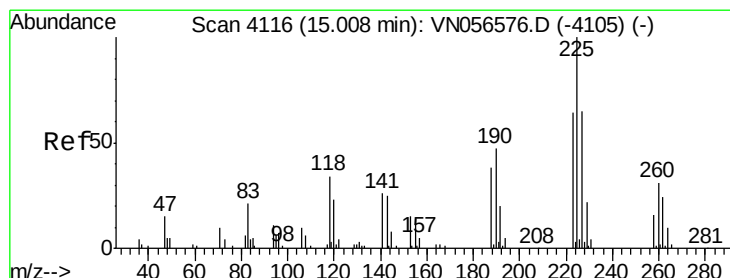
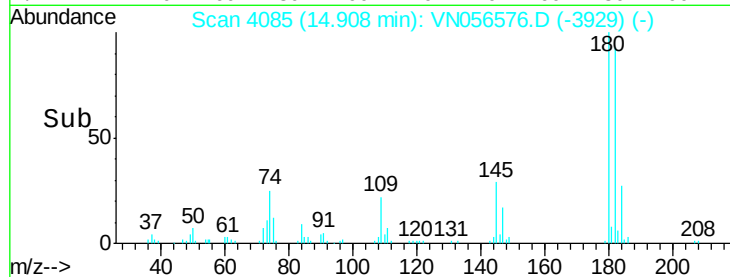
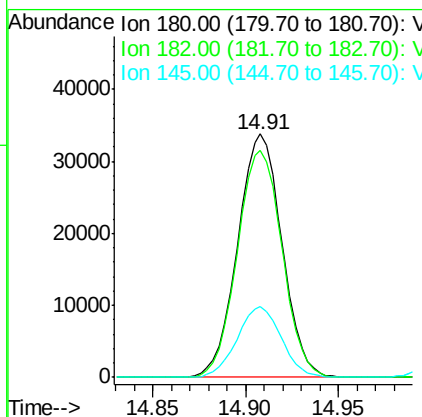
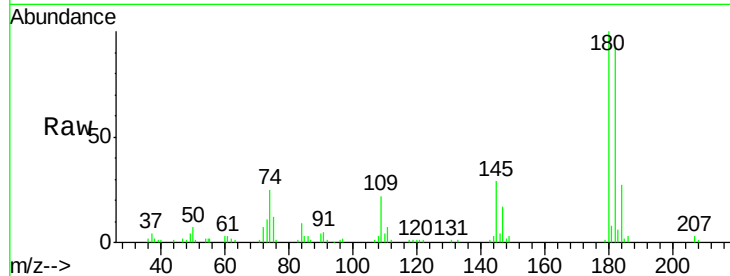
#89
 1,2,4-Trichlorobenzene
 Concen: 20.267 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.0	112.6
145	28.8	22.1	33.1

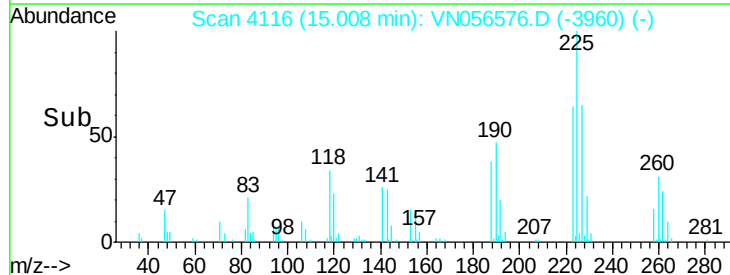
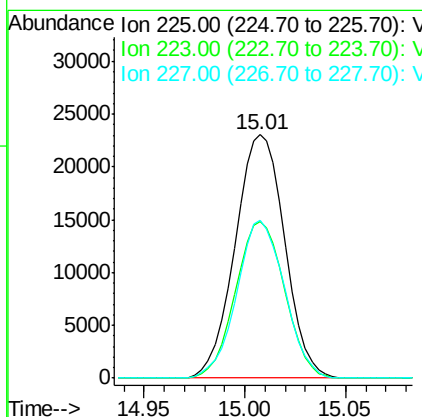
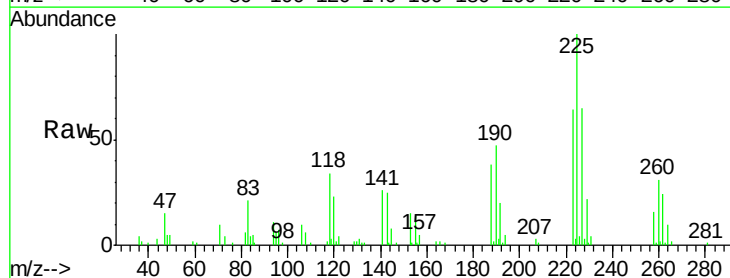
Manual Integrations
 APPROVED

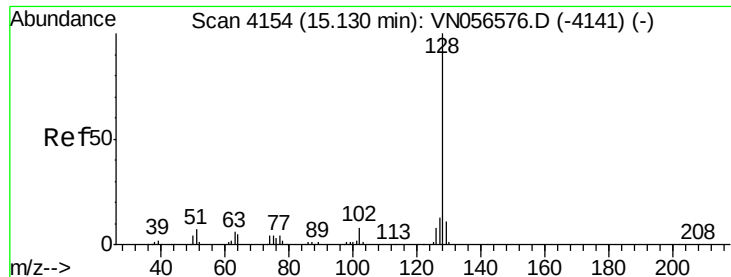
MMDadoda
 7/8/2019 10:04:47 AM



#90
 Hexachlorobutadiene
 Concen: 19.070 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056576.D
 Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	0.0	125.6
227	62.6	0.0	128.6





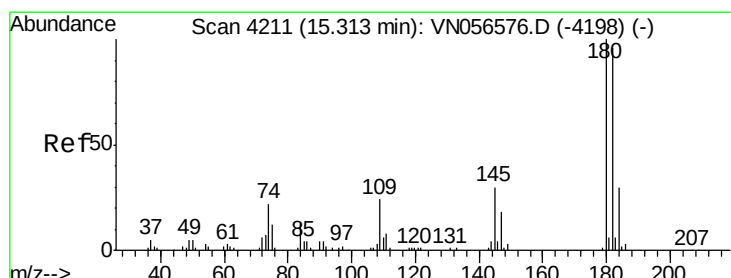
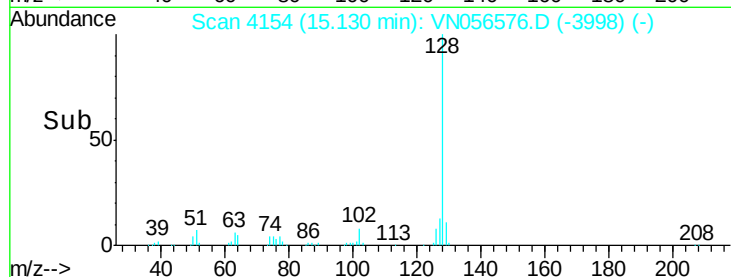
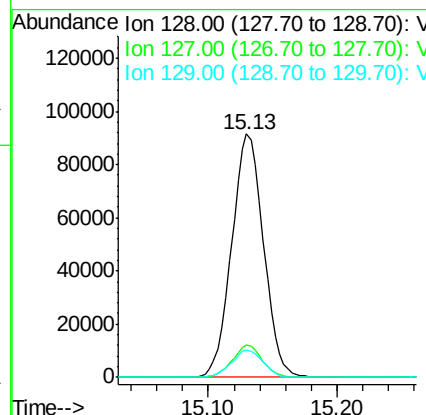
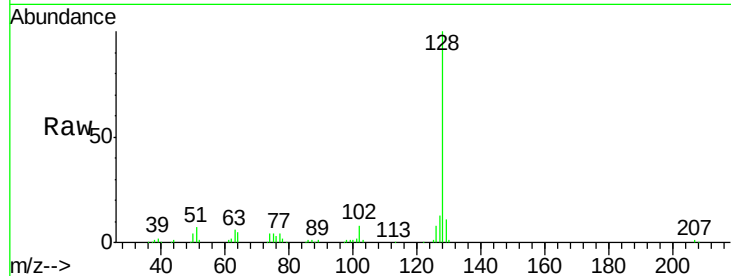
#91
Naphthalene
Concen: 20.784 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	156855		
127	12.3		10.4	15.6
129	11.1		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:04:47 AM



#92
1,2,3-Trichlorobenzene
Concen: 20.525 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056576.D
Acq: 3 Jul 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	61051		
182	94.6		0.0	193.4
145	30.6		0.0	59.8

