

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
 Data File : VN052591.D
 Acq On : 30 Nov 2018 3:43
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:04:37 AM

Quant Time: Nov 30 04:35:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	162753	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	946136	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	823680	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	330246	29.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.27%
60) 4-Bromofluorobenzene	12.40	95	373958	29.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.97%
63) Toluene-d8	10.09	98	1140324	29.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.53%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	168255	18.152	ug/l 100
3) Chloromethane	2.06	50	226341	18.412	ug/l 99
4) Vinyl Chloride	2.19	62	239141	19.274	ug/l 98
5) Bromomethane	2.58	94	139329	19.695	ug/l 96
6) Chloroethane	2.71	64	141512	19.179	ug/l 99
7) Trichlorofluoromethane	3.02	101	293689	19.180	ug/l 98
8) Diethyl Ether	3.41	74	112875	19.963	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	178096	18.347	ug/l 96
10) 1,1-Dichloroethene	3.74	96	179333	19.649	ug/l 99
11) Methyl Iodide	3.96	142	253358	19.994	ug/l 99
12) Methyl Acetate	4.33	43	150711	19.435	ug/l 100
13) Acrolein	3.61	56	85045	93.362	ug/l 98
14) Acrylonitrile	4.99	53	323862	98.016	ug/l 98
15) Acetone	3.82	58	69598	81.334	ug/l 98
16) Carbon Disulfide	4.06	76	518483	17.943	ug/l 98
17) Allyl chloride	4.33	41	293495	18.439	ug/l 98
18) Methylene Chloride	4.55	84	204937	19.393	ug/l 98
19) trans-1,2-Dichloroethene	5.05	96	187258	19.065	ug/l 97
20) Diisopropyl ether	5.95	45	635577	19.001	ug/l 99
21) 1,1-Dichloroethane	5.85	63	367300	19.266	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	217831	19.351	ug/l 98
23) tert-Butyl Alcohol	4.78	59	53883m	109.624	ug/l
24) Methyl tert-Butyl Ether	5.05	73	489058	20.426	ug/l 99
25) Chloroform	7.37	83	361702	19.666	ug/l 99
26) Cyclohexane	7.65	56	328306	18.259	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	270619	18.730	ug/l 99
30) 2-Butanone	6.83	43	358506	92.729	ug/l 99
31) 2,2-Dichloropropane	6.83	77	204620	15.383	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	294025	19.557	ug/l 98
33) Carbon Tetrachloride	7.78	117	251619	19.128	ug/l 99
34) Benzene	8.04	78	840898	19.358	ug/l 99
35) Methacrylonitrile	7.18	41	88961	18.546	ug/l 98
36) 1,2-Dichloroethane	8.12	62	254645	19.345	ug/l 99
37) Trichloroethene	8.83	130	216643	19.667	ug/l 96
38) Methylcyclohexane	9.08	83	316035	17.670	ug/l 98
39) 1,2-Dichloropropane	9.12	63	223269	19.174	ug/l 96
40) Dibromomethane	9.21	93	127547	20.270	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
 Data File : VN052591.D
 Acq On : 30 Nov 2018 3:43
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:04:37 AM

Quant Time: Nov 30 04:35:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	266879	19.196	ug/l	98
42) Vinyl Acetate	5.90	43	1981494	94.725	ug/l	99
43) Ethyl Acetate	6.93	43	163419	19.878	ug/l #	85
44) Isopropyl Acetate	8.17	43	293900	20.384	ug/l	98
45) 1,4-Dioxane	9.20	88	36187	458.783	ug/l	91
46) Methyl methacrylate	9.20	41	149319	19.946	ug/l	97
47) n-amyl Acetate	12.07	43	224810	18.806	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	248729	18.452	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	300160	18.276	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	179074	20.076	ug/l	99
51) Ethyl methacrylate	10.43	69	219858	19.626	ug/l	99
52) 1,3-Dichloropropane	10.71	76	311278	19.606	ug/l	98
53) Dibromochloromethane	10.90	129	188802	19.226	ug/l	96
54) 1,2-Dibromoethane	11.01	107	175126	20.092	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	643671	98.158	ug/l	99
56) Bromoform	12.13	173	124314	19.367	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	822637	103.018	ug/l	99
59) 2-Hexanone	10.75	43	526319	96.485	ug/l	98
61) Tetrachloroethene	10.63	164	214753	21.169	ug/l	96
62) Toluene	10.16	91	883348	19.454	ug/l	99
64) Chlorobenzene	11.43	112	539607	19.470	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	189622	19.711	ug/l	98
66) Ethyl Benzene	11.51	91	946882	19.348	ug/l	99
67) m/p-Xylenes	11.62	106	713665	39.143	ug/l	99
68) o-Xylene	11.95	106	347917	19.661	ug/l	100
69) Styrene	11.96	104	552152	19.331	ug/l	100
70) Isopropylbenzene	12.25	105	915187	19.437	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	206584	20.170	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	174948m	19.898	ug/l	
73) Bromobenzene	12.53	156	227957	20.018	ug/l	95
74) n-propylbenzene	12.59	91	1031741	18.807	ug/l	99
75) 2-Chlorotoluene	12.68	91	621579	19.520	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	743614	19.553	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	46228	16.644	ug/l	97
78) 4-Chlorotoluene	12.77	91	609565	19.169	ug/l	99
79) tert-butylbenzene	12.99	119	657431	19.850	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	751979	19.761	ug/l	100
81) sec-Butylbenzene	13.17	105	879955	19.075	ug/l	99
82) p-Isopropyltoluene	13.29	119	738345	18.796	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	385864	19.266	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	372805	19.266	ug/l	98
85) n-Butylbenzene	13.62	91	593419	17.587	ug/l	99
86) Hexachloroethane	13.88	117	123048	18.488	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	381576	20.021	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29972	20.891	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	180233	19.194	ug/l	99
90) Hexachlorobutadiene	15.01	225	122310	19.856	ug/l	99
91) Naphthalene	15.13	128	381807	20.135	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	175485	20.279	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
Data File : VN052591.D
Acq On : 30 Nov 2018 3:43
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

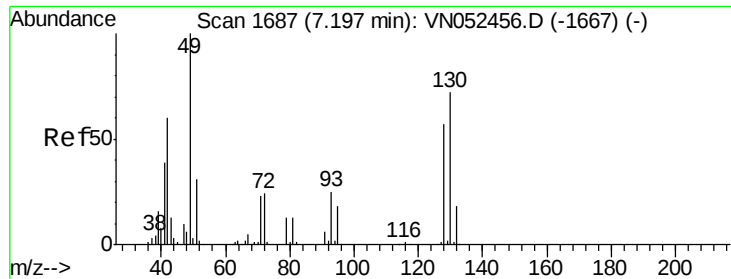
Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:04:37 AM

Quant Time: Nov 30 04:35:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

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

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

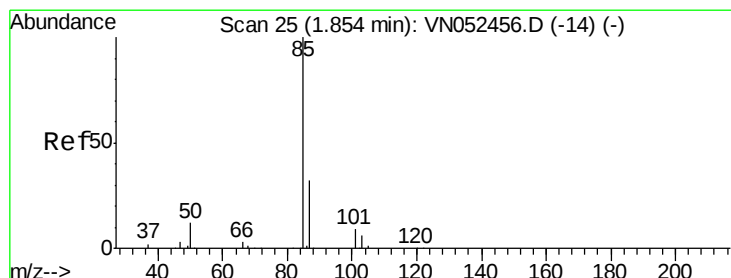
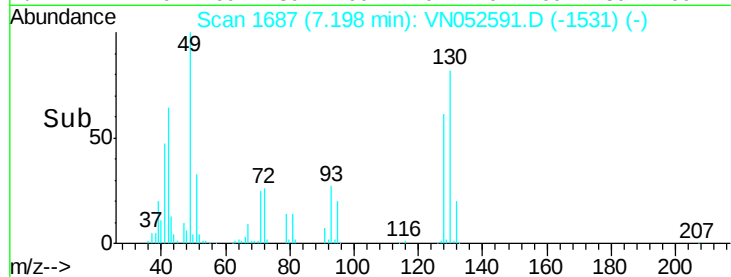
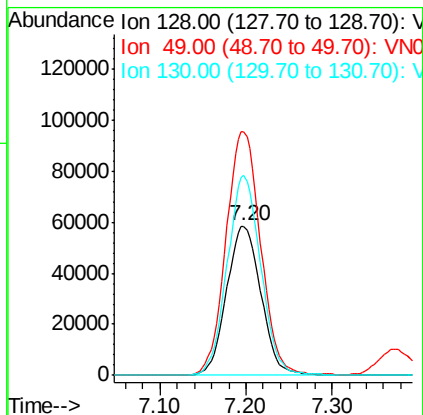
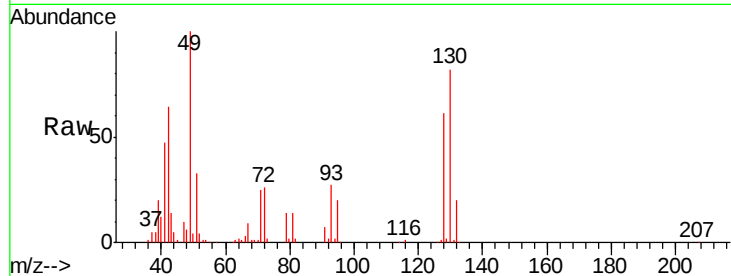
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	128	Resp:	162753
Ion Ratio	Lower	Upper	
128	100		
49	163.9	0.0	431.8
130	131.0	0.0	317.0

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:04:37 AM



#2

Dichlorodifluoromethane

Concen: 18.152 ug/l

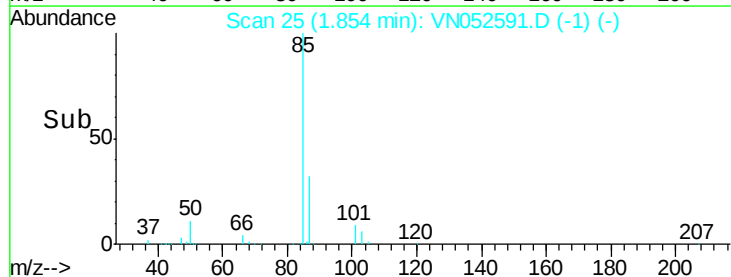
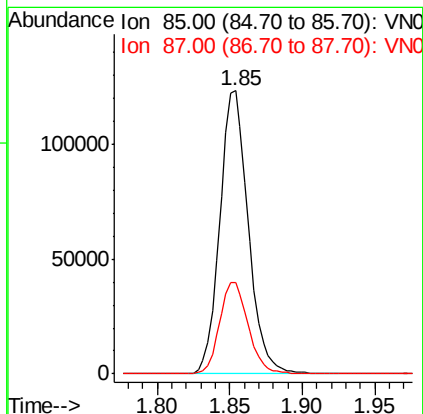
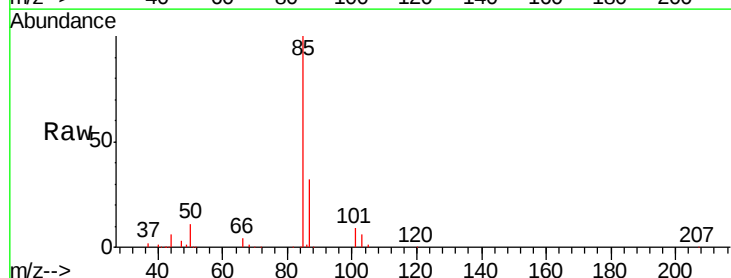
RT: 1.85 min Scan# 25

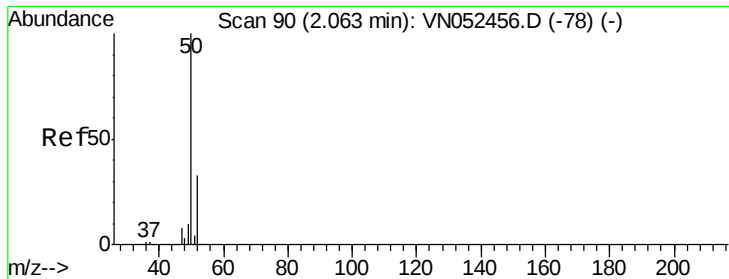
Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Tgt Ion:	85	Resp:	168255
Ion Ratio	Lower	Upper	
85	100		
87	32.4	16.1	48.3





#3

Chloromethane

Concen: 18.412 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 50 Resp: 226341

Ion Ratio Lower Upper

50 100

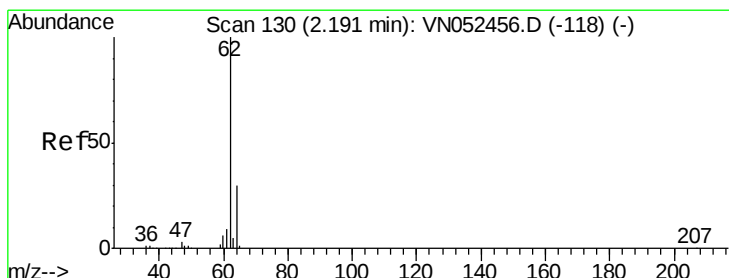
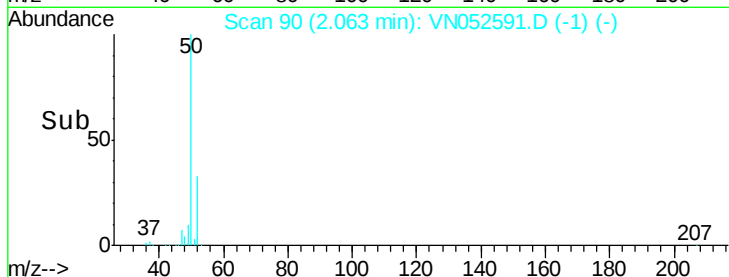
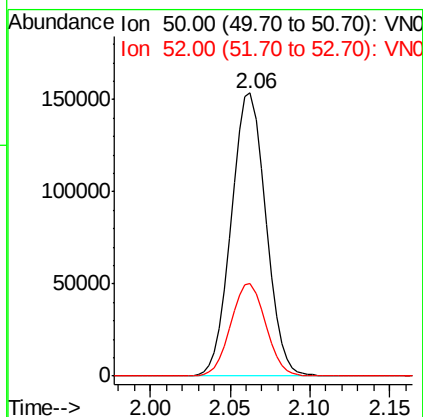
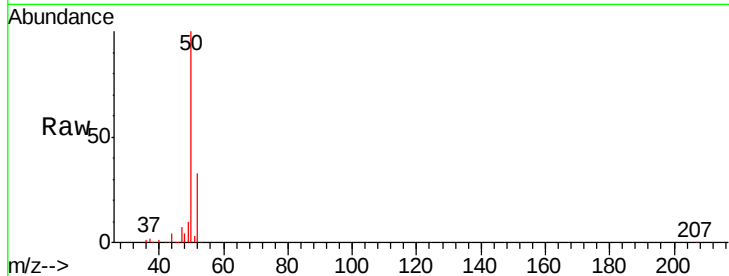
52 32.6 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

11/30/2018 11:04:37 AM



#4

Vinyl Chloride

Concen: 19.274 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052591.D

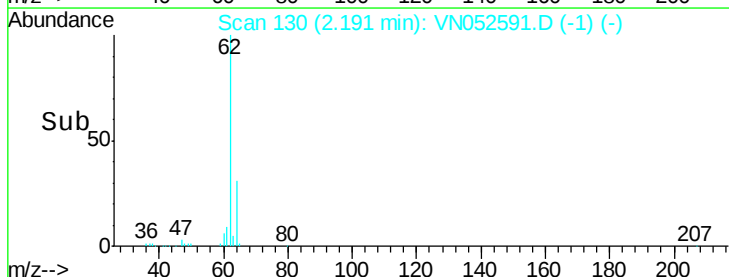
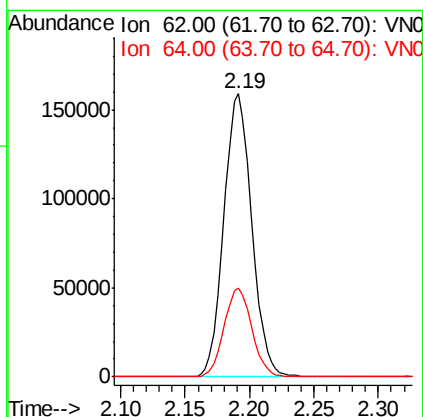
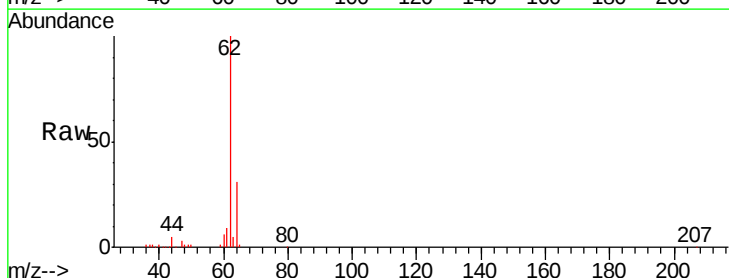
Acq: 30 Nov 2018 3:43

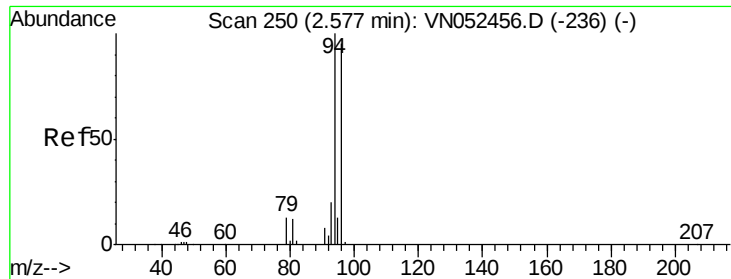
Tgt Ion: 62 Resp: 239141

Ion Ratio Lower Upper

62 100

64 31.2 24.2 36.4





#5

Bromomethane

Concen: 19.695 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 94 Resp: 139329

Ion Ratio Lower Upper

94 100

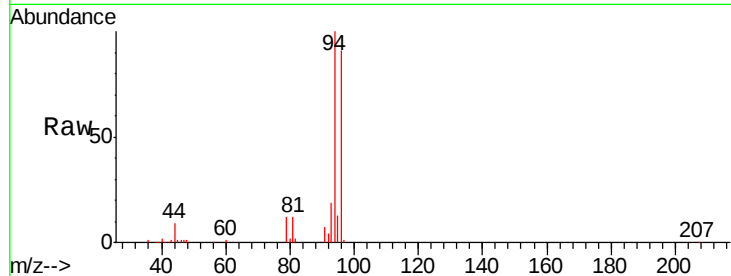
96 91.4 76.2 114.2

Manual Integrations

APPROVED

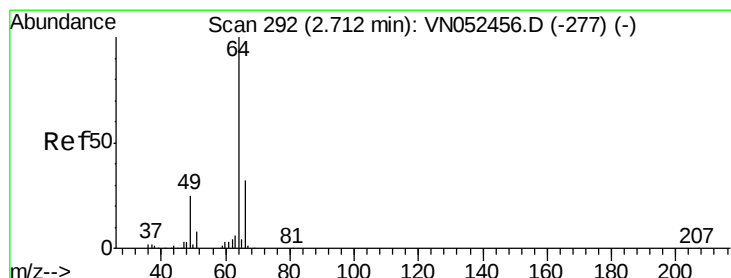
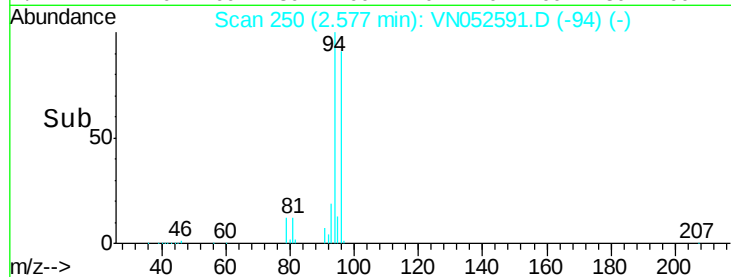
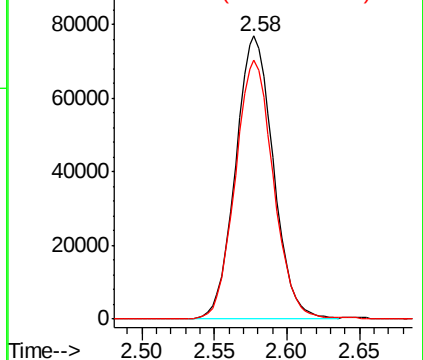
MMDadoda

11/30/2018 11:04:37 AM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.179 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052591.D

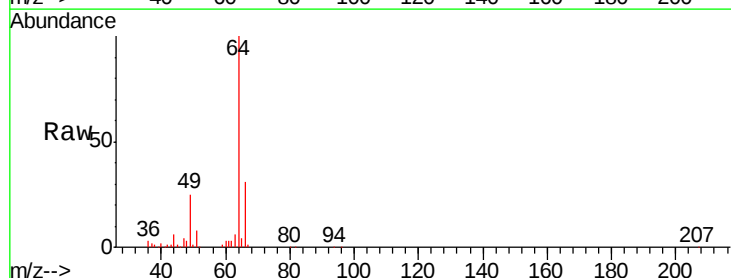
Acq: 30 Nov 2018 3:43

Tgt Ion: 64 Resp: 141512

Ion Ratio Lower Upper

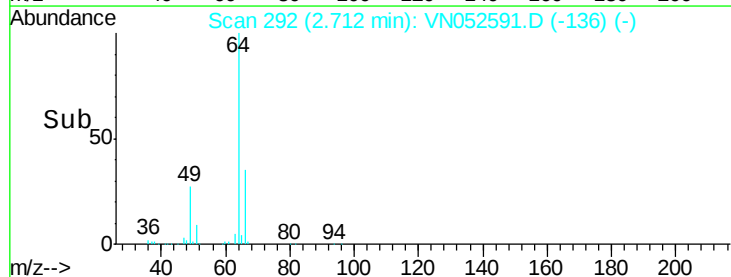
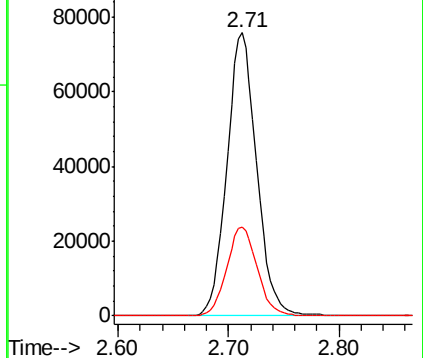
64 100

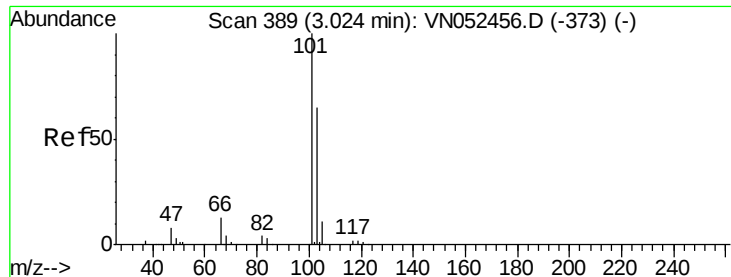
66 31.2 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

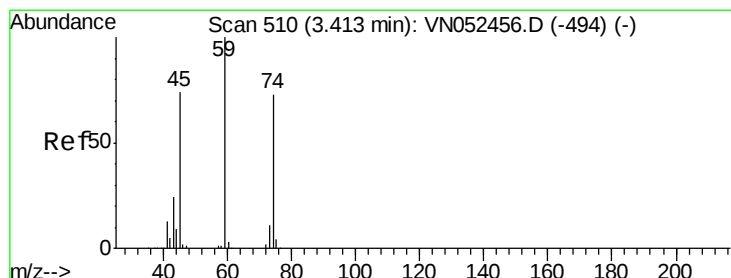
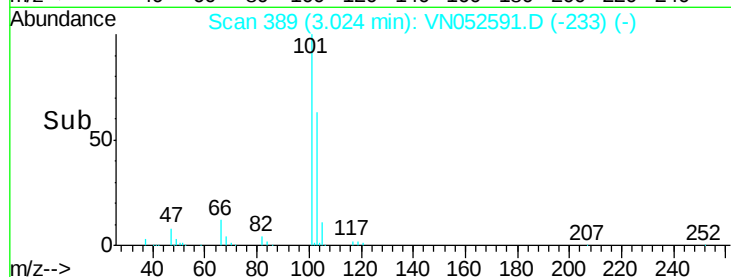
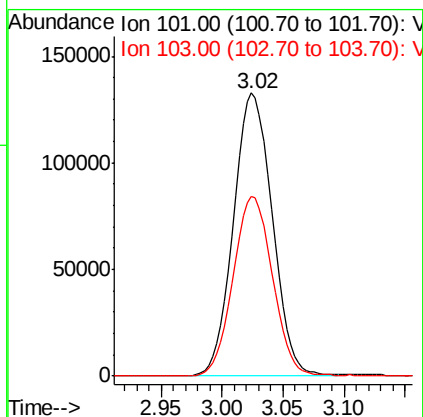
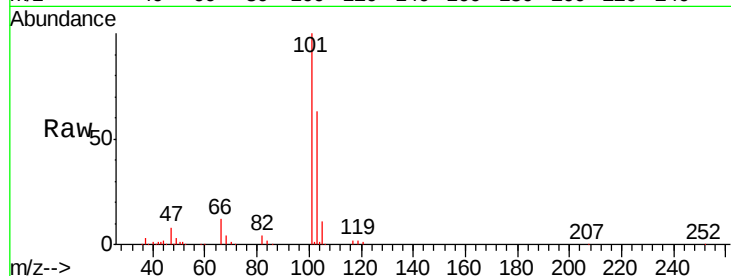
Trichlorofluoromethane
 Concen: 19.180 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.1	78.1

Manual Integrations
 APPROVED

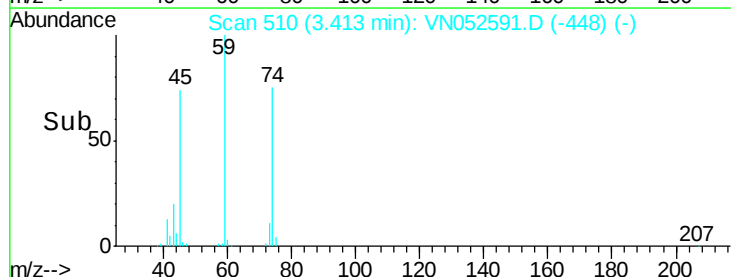
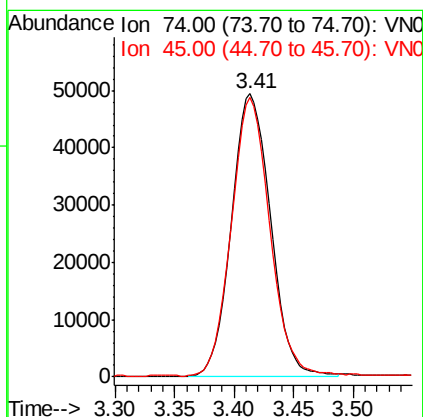
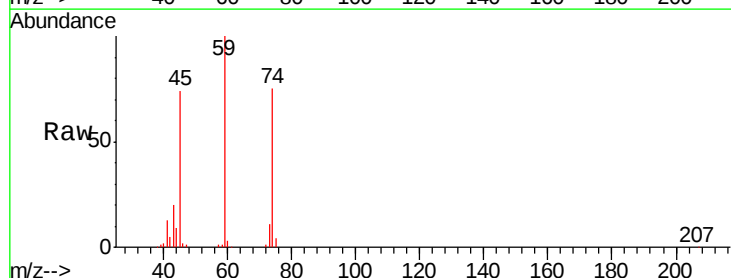
MMDadoda
 11/30/2018 11:04:37 AM

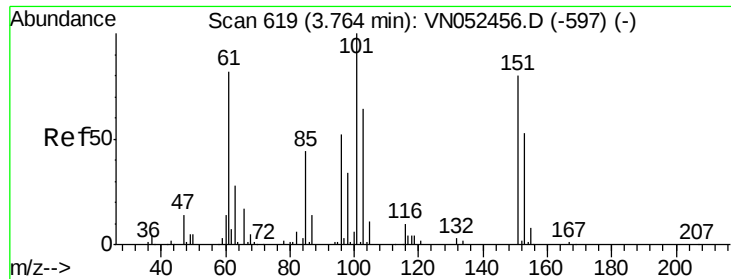


#8

Diethyl Ether
 Concen: 19.963 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.347 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

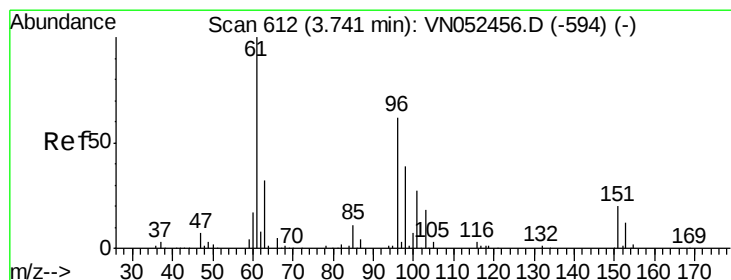
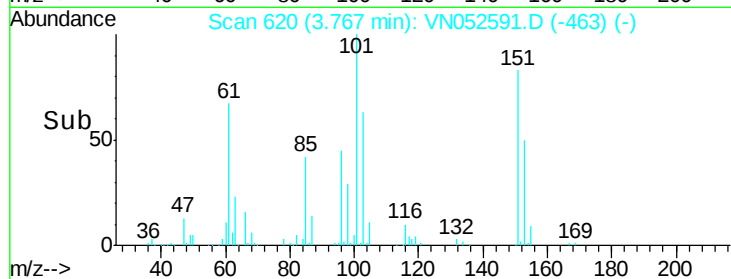
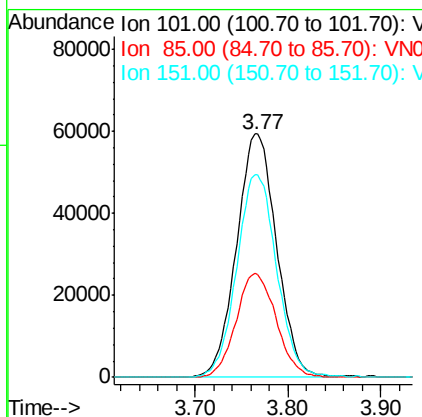
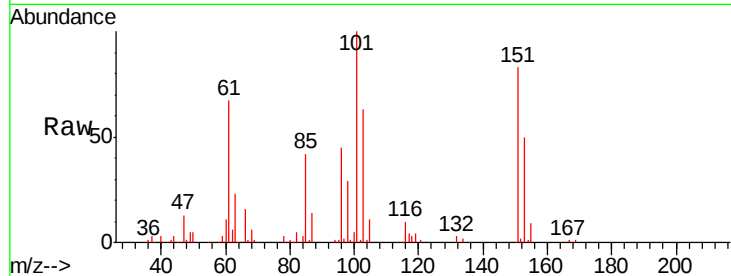
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	101	Resp:	178096
Ion Ratio	Lower	Upper	
101	100		
85	42.6	0.0	82.6
151	82.9	0.0	158.4

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:04:37 AM



#10

1,1-Dichloroethene

Concen: 19.649 ug/l

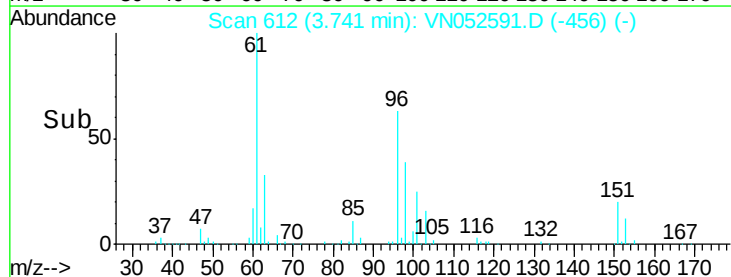
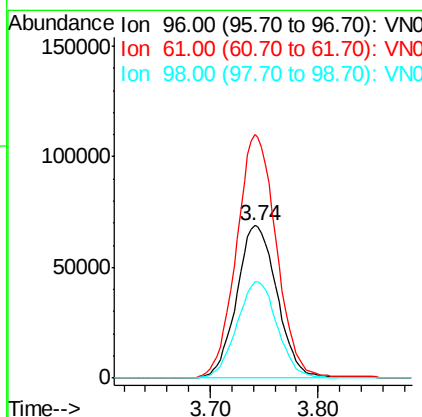
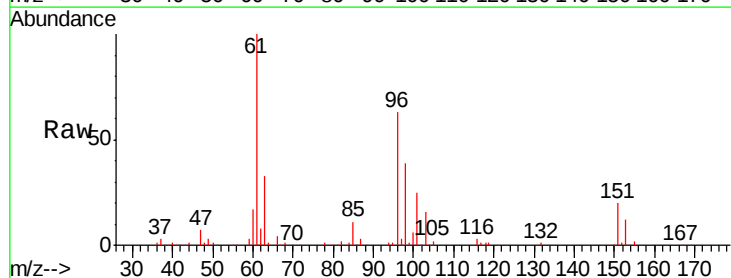
RT: 3.74 min Scan# 612

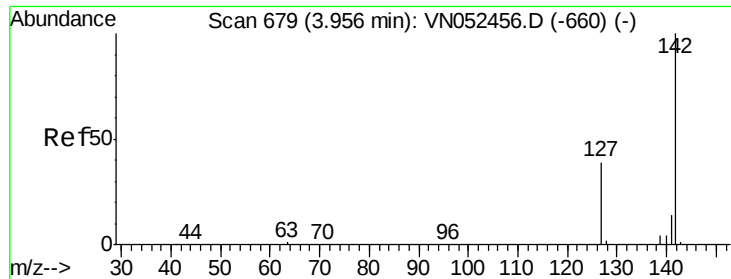
Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Tgt Ion:	96	Resp:	179333
Ion Ratio	Lower	Upper	
96	100		
61	159.5	129.4	194.2
98	62.9	50.4	75.6





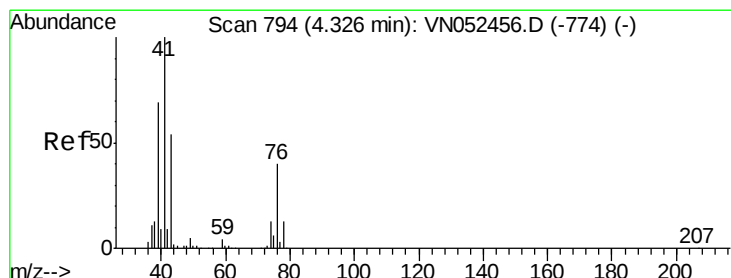
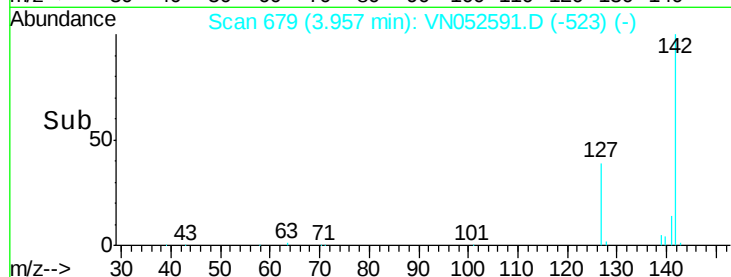
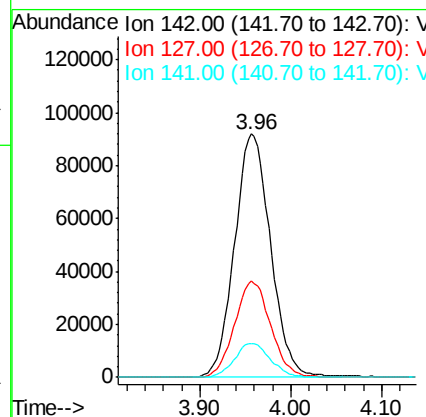
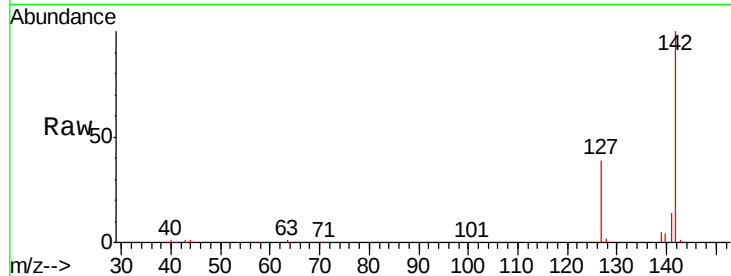
#11
Methyl Iodide
Concen: 19.994 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.3	19.4	58.1
141	14.0	7.2	21.6

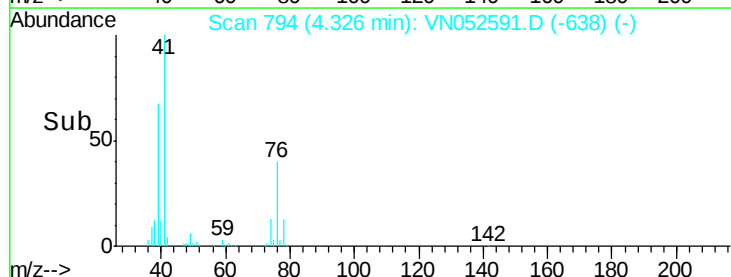
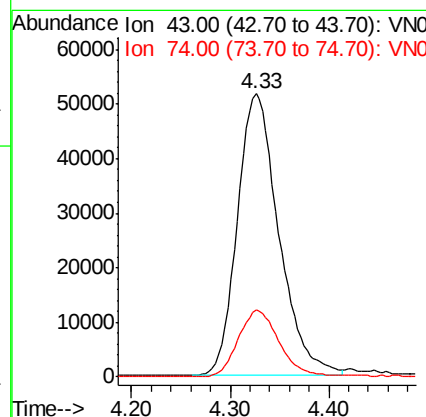
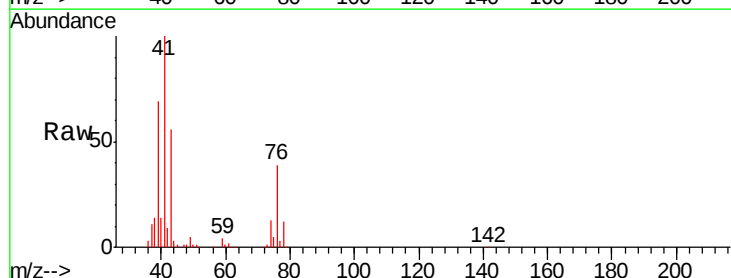
Manual Integrations
APPROVED

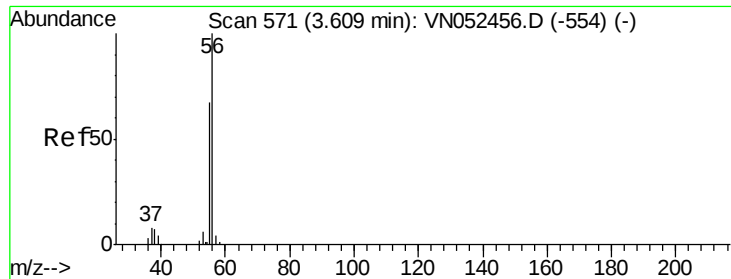
MMDadoda
11/30/2018 11:04:37 AM



#12
Methyl Acetate
Concen: 19.435 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.9	28.3





#13

Acrolein

Concen: 93.362 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 56 Resp: 85045

Ion Ratio Lower Upper

56 100

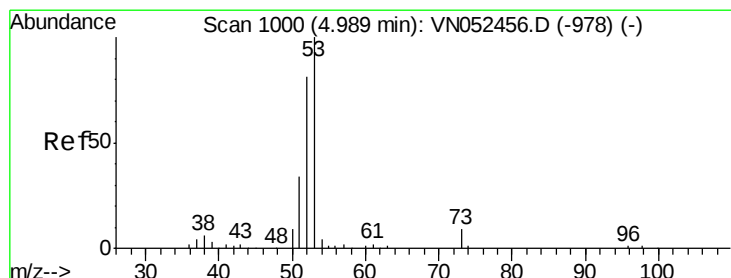
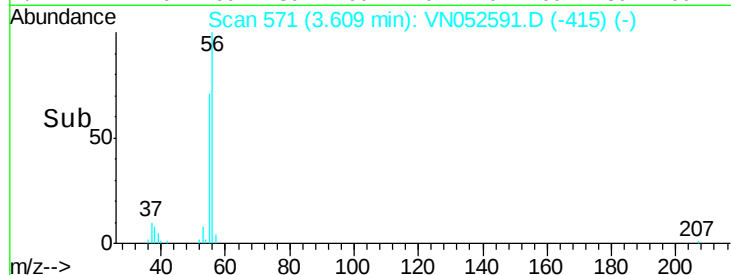
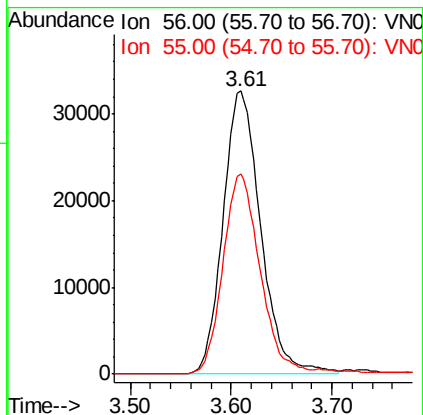
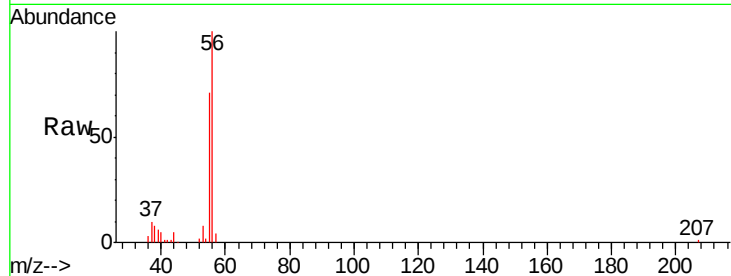
55 69.3 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

11/30/2018 11:04:37 AM



#14

Acrylonitrile

Concen: 98.016 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

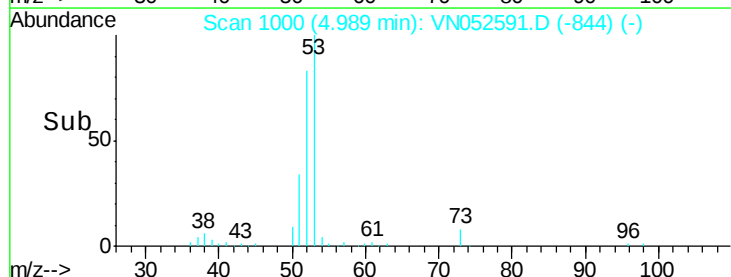
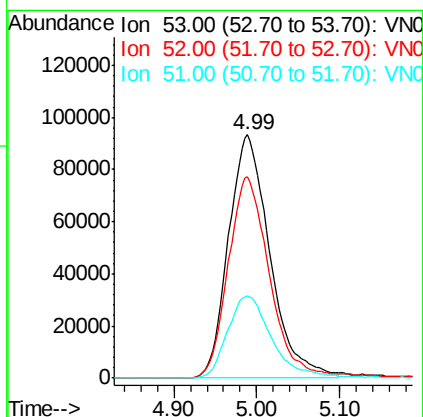
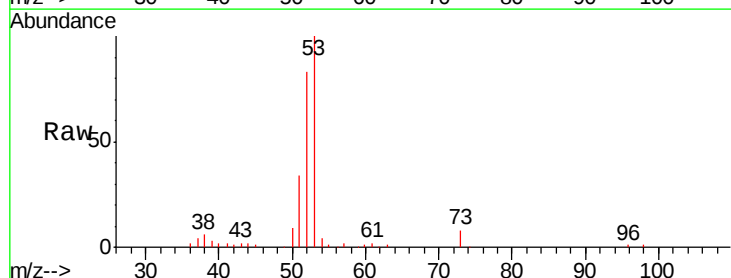
Tgt Ion: 53 Resp: 323862

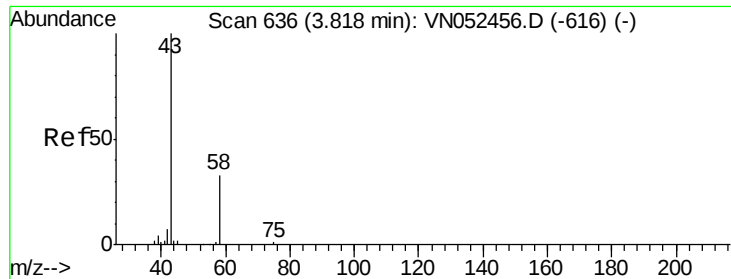
Ion Ratio Lower Upper

53 100

52 82.2 39.9 119.7

51 36.0 17.6 52.9





#15

Acetone

Concen: 81.334 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 69598

Ion Ratio Lower Upper

58 100

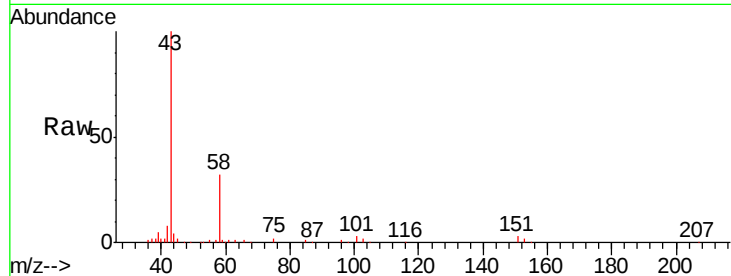
43 307.9 243.6 365.4

Manual Integrations

APPROVED

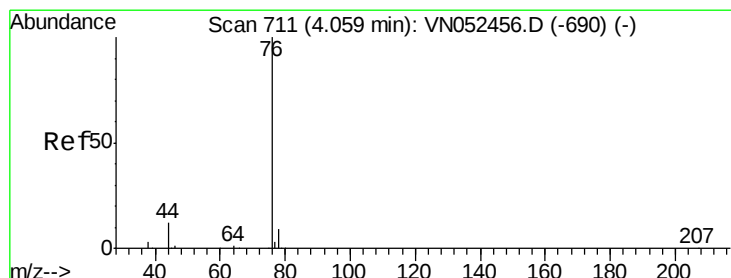
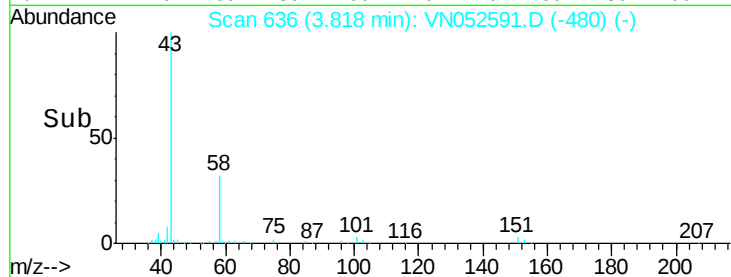
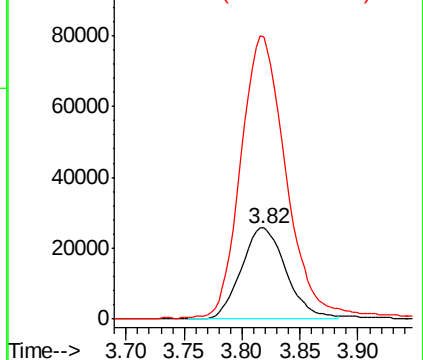
MMDadoda

11/30/2018 11:04:37 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.943 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052591.D

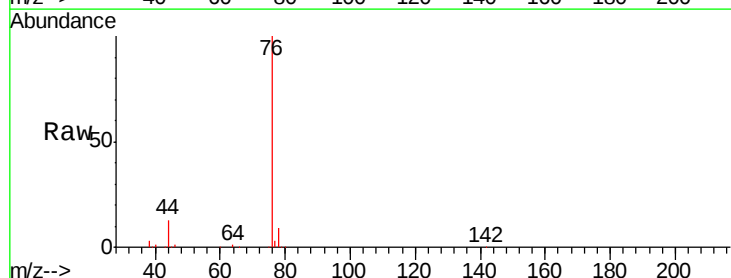
Acq: 30 Nov 2018 3:43

Tgt Ion: 76 Resp: 518483

Ion Ratio Lower Upper

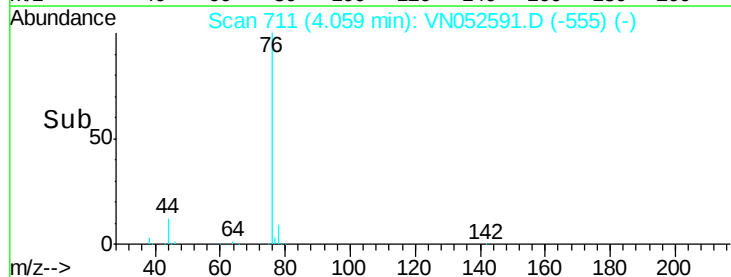
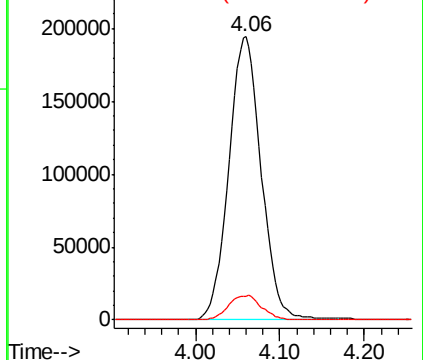
76 100

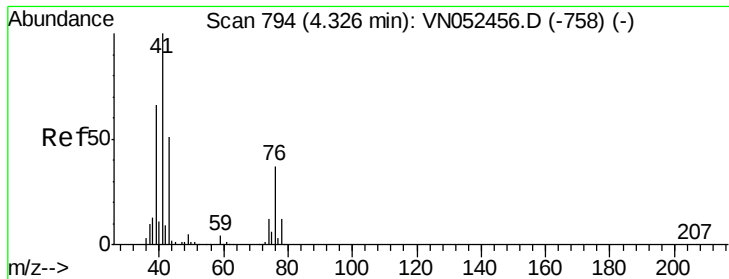
78 8.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





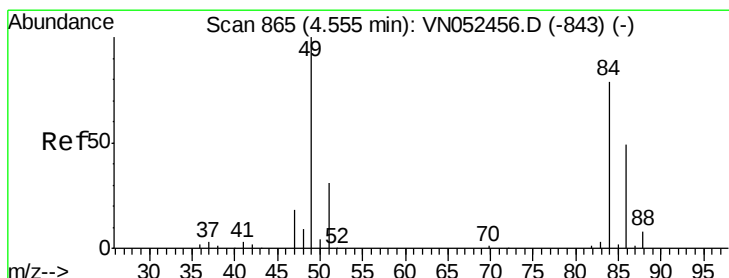
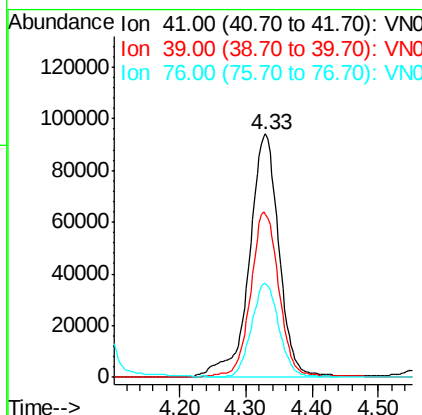
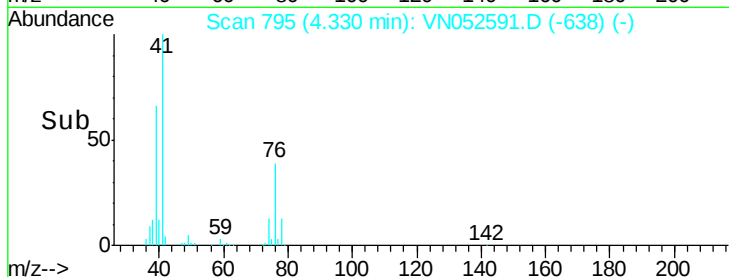
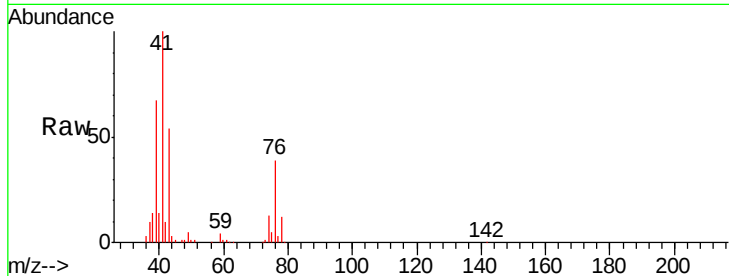
#17
 Allyl chloride
 Concen: 18.439 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:	41	Resp:	293495
Ion	Ratio	Lower	Upper
41	100		
39	67.0	32.8	98.3
76	38.2	18.6	55.8

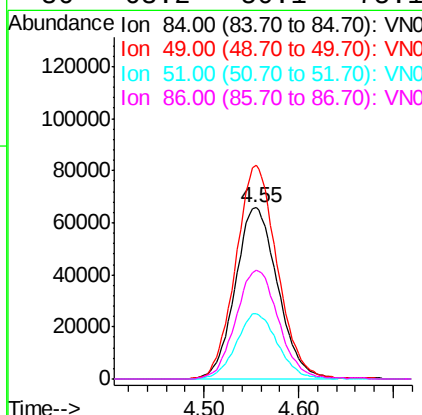
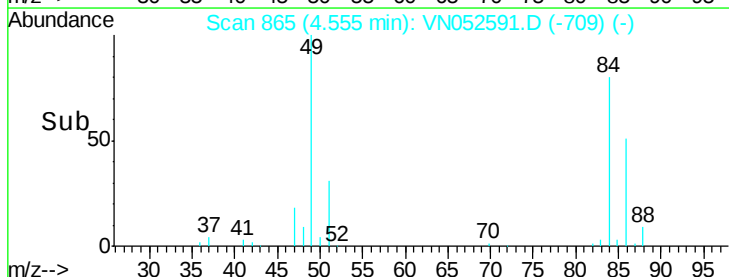
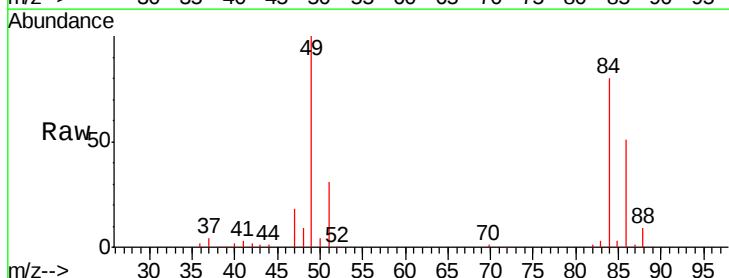
Manual Integrations
 APPROVED

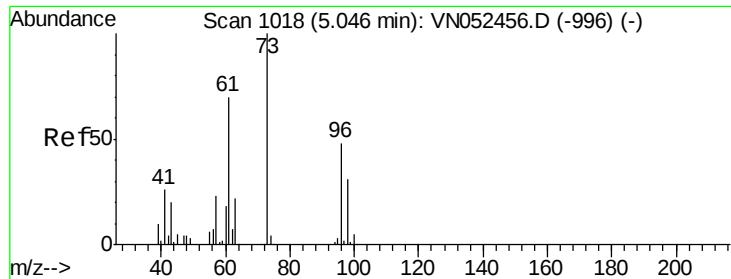
MMDadoda
 11/30/2018 11:04:37 AM



#18
 Methylene Chloride
 Concen: 19.393 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion:	84	Resp:	204937
Ion	Ratio	Lower	Upper
84	100		
49	124.3	101.4	152.0
51	38.2	31.7	47.5
86	63.2	50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 19.065 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 96 Resp: 187258

Ion Ratio Lower Upper

96 100

61 142.6 118.2 177.4

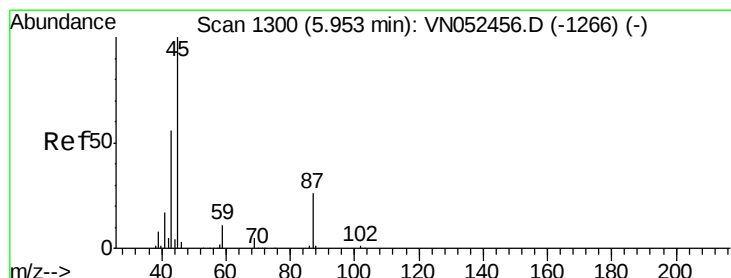
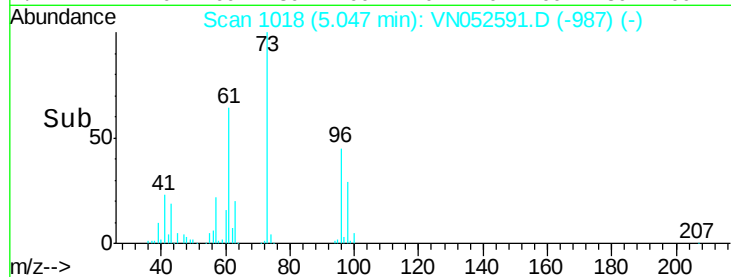
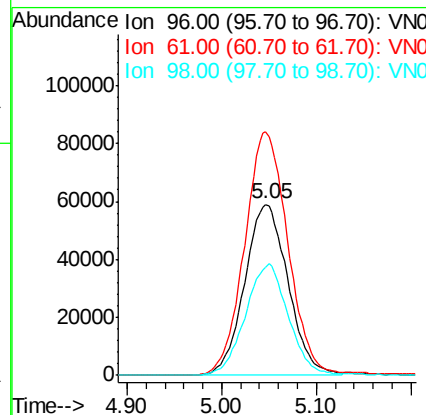
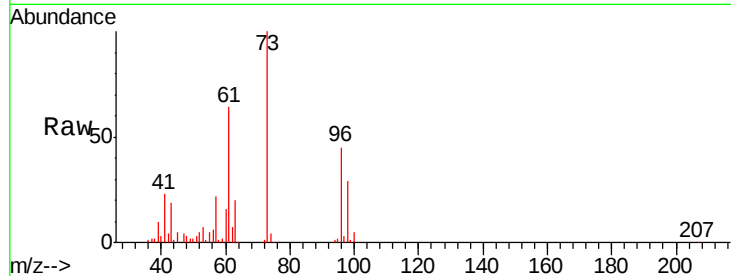
98 63.6 51.4 77.2

Manual Integrations

APPROVED

MMDadoda

11/30/2018 11:04:37 AM



#20

Diisopropyl ether

Concen: 19.001 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Tgt Ion: 45 Resp: 635577

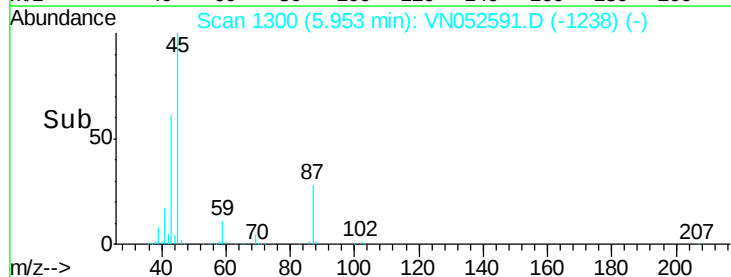
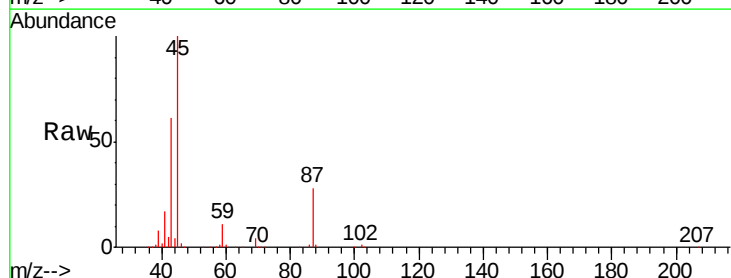
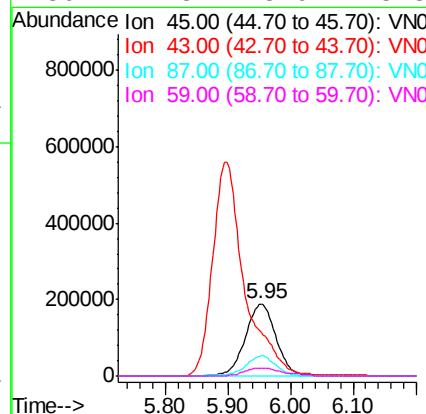
Ion Ratio Lower Upper

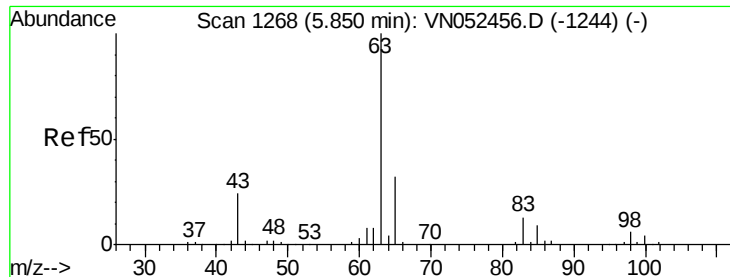
45 100

43 59.6 47.8 71.8

87 28.1 21.3 31.9

59 11.3 8.9 13.3





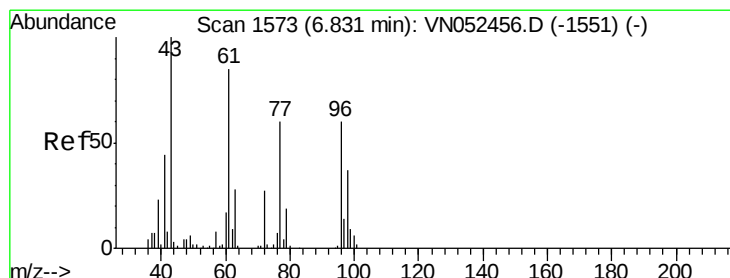
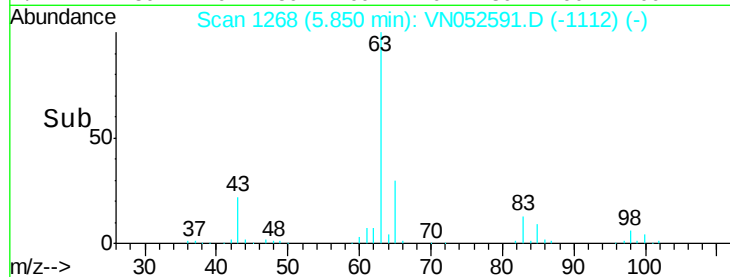
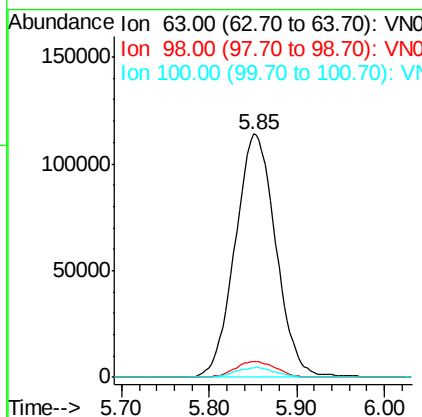
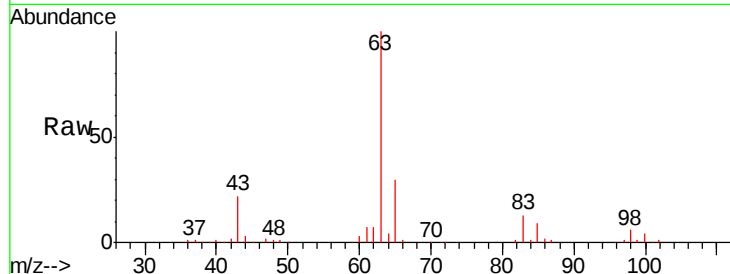
#21
 1,1-Dichloroethane
 Concen: 19.266 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp Lower	Resp Upper
63	100		
98	6.5	3.0	9.2
100	3.9	1.8	5.5

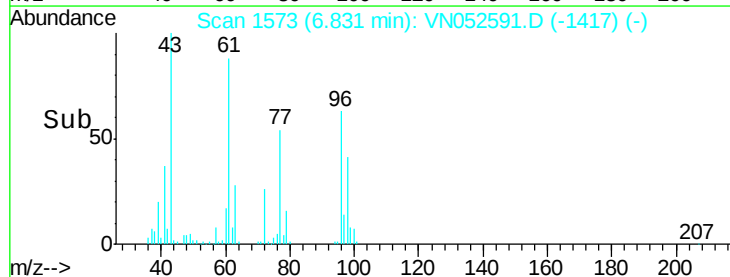
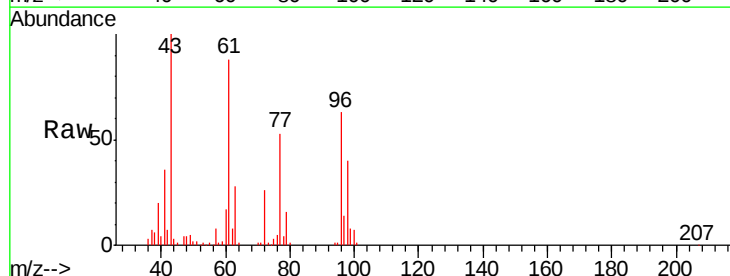
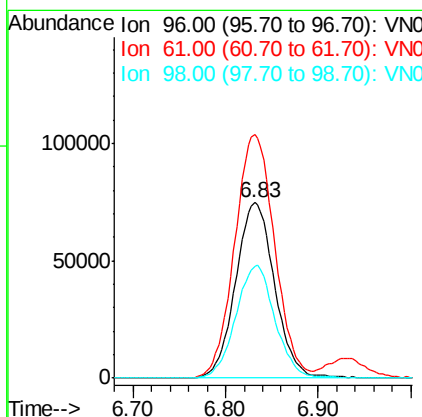
Manual Integrations
 APPROVED

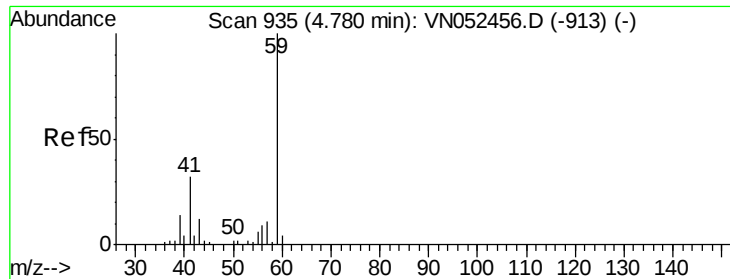
MMDadoda
 11/30/2018 11:04:37 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.351 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	142.0	116.7	175.1
98	64.0	50.8	76.2





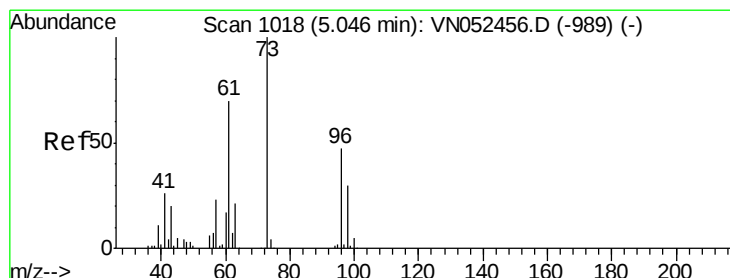
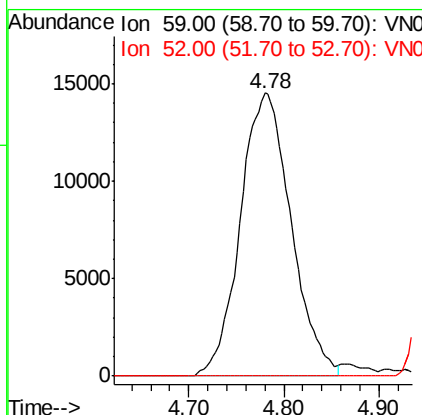
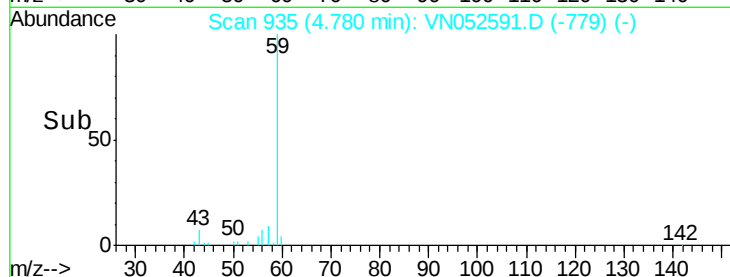
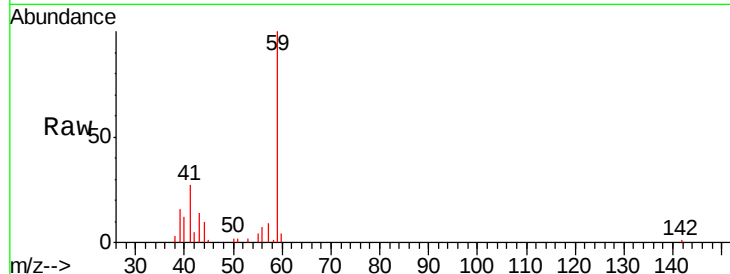
#23
 tert-Butyl Alcohol
 Concen: 109.624 ug/l m
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

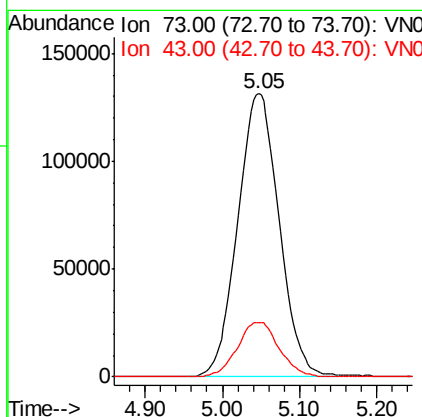
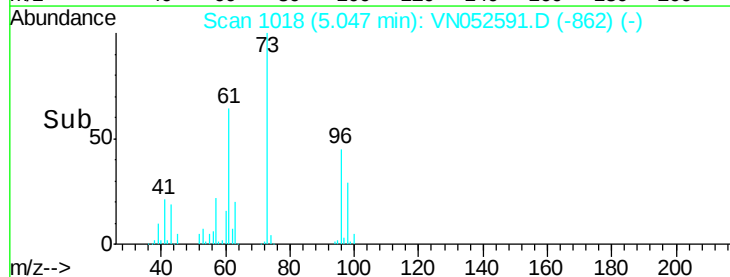
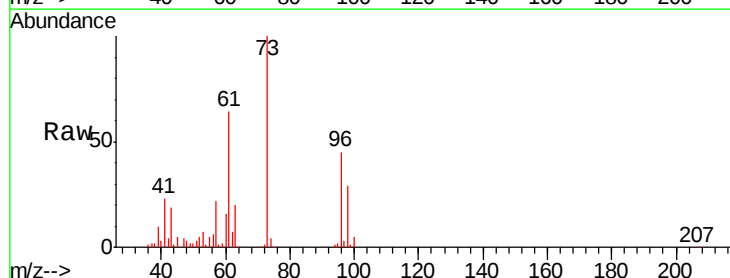
Manual Integrations
 APPROVED

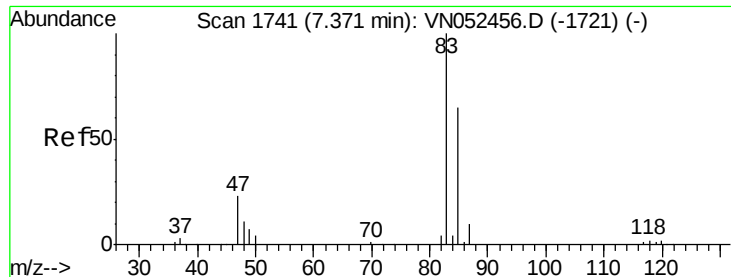
MMDadoda
 11/30/2018 11:04:37 AM



#24
 Methyl tert-Butyl Ether
 Concen: 20.426 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.3	15.8	23.8





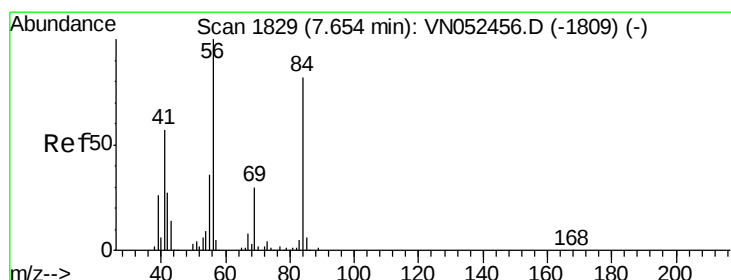
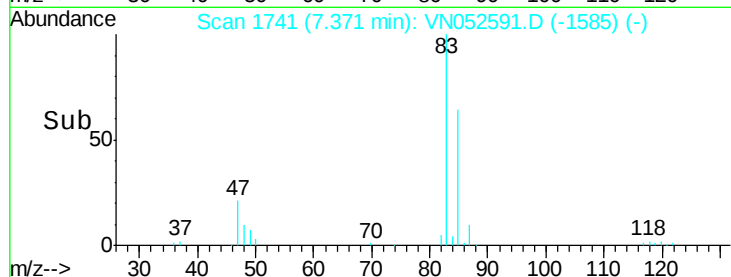
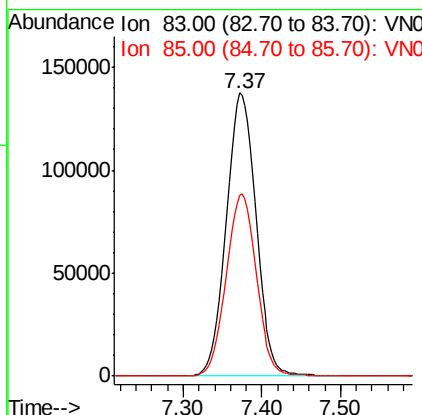
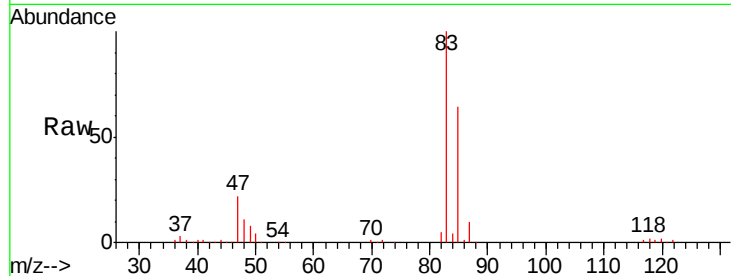
#25
Chloroform
Concen: 19.666 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 361702
Ion Ratio Lower Upper
83 100
85 63.8 51.7 77.5

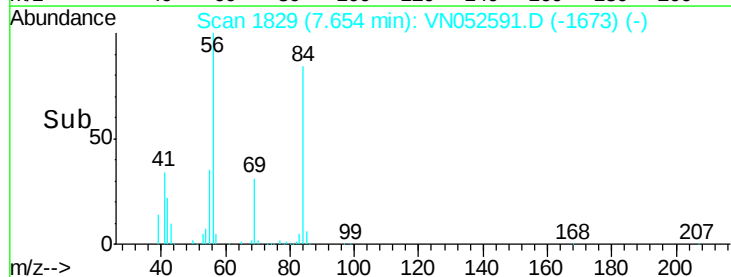
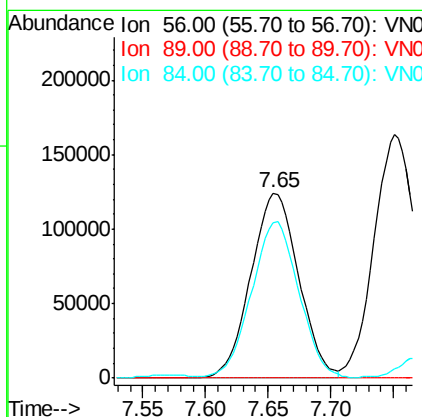
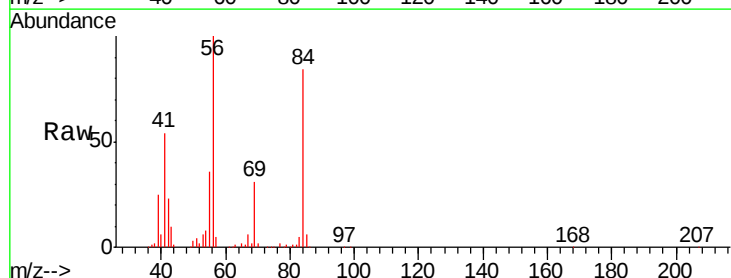
Manual Integrations
APPROVED

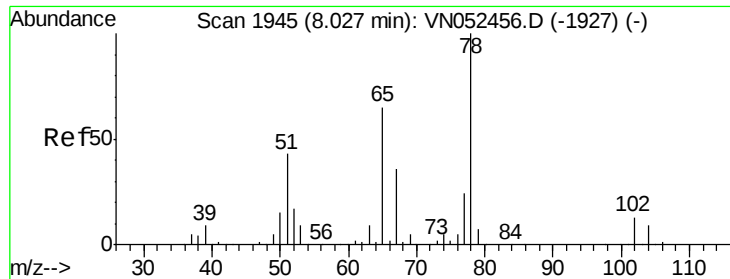
MMDadoda
11/30/2018 11:04:37 AM



#26
Cyclohexane
Concen: 18.259 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion: 56 Resp: 328306
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 83.0 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 18.259 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 65 Resp: 330246

Ion Ratio Lower Upper

65 100

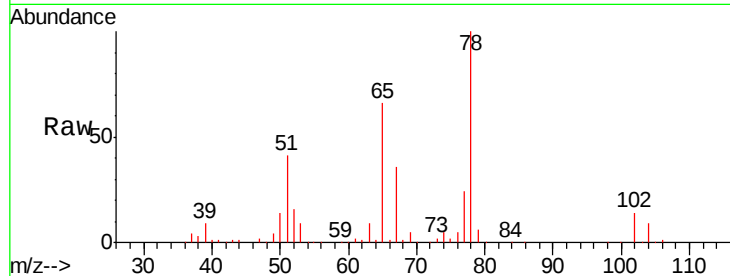
67 55.4 44.6 66.8

Manual Integrations

APPROVED

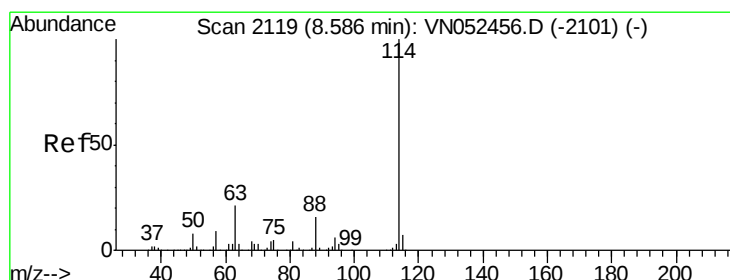
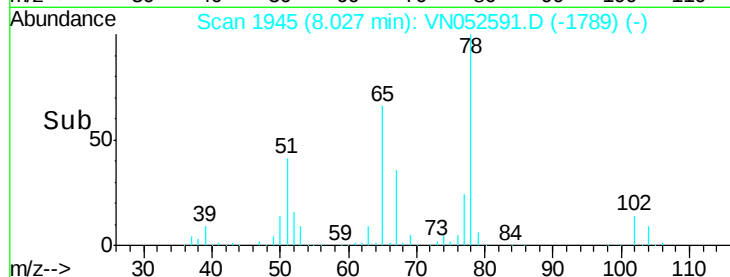
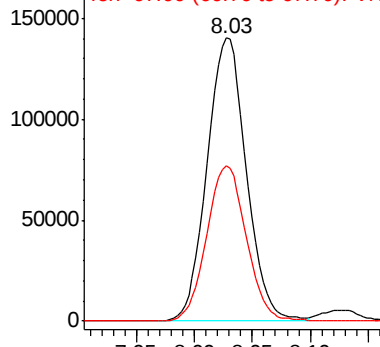
MMDadoda

11/30/2018 11:04:37 AM



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

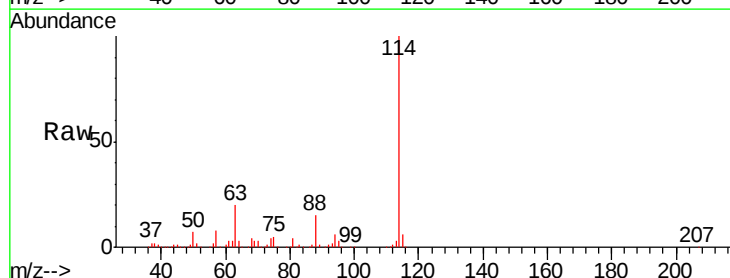
Tgt Ion: 114 Resp: 946136

Ion Ratio Lower Upper

114 100

63 20.1 16.9 25.3

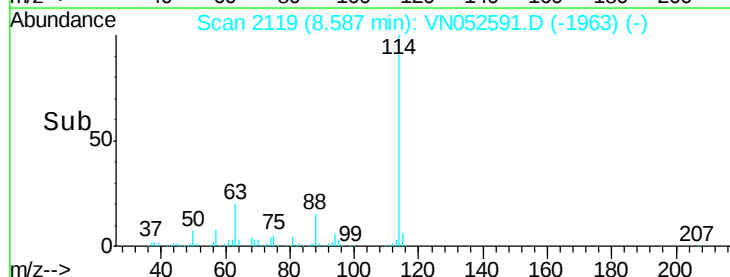
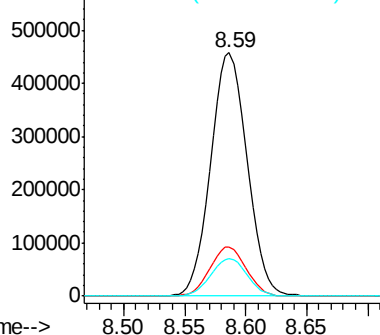
88 15.4 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





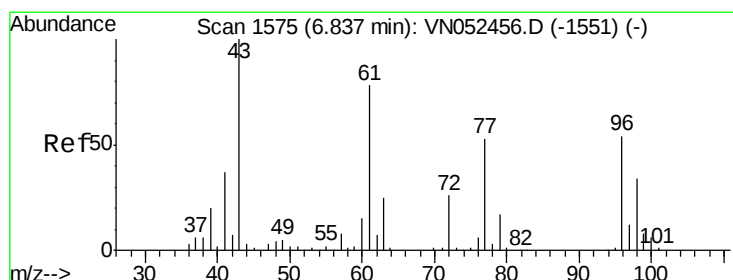
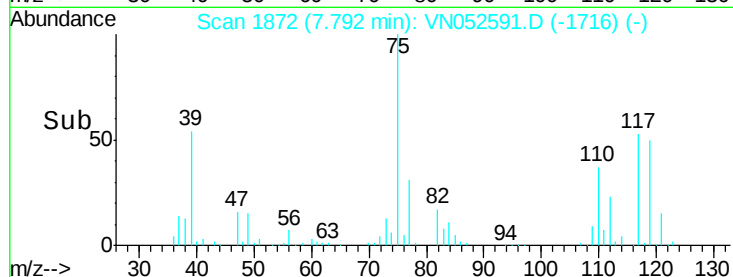
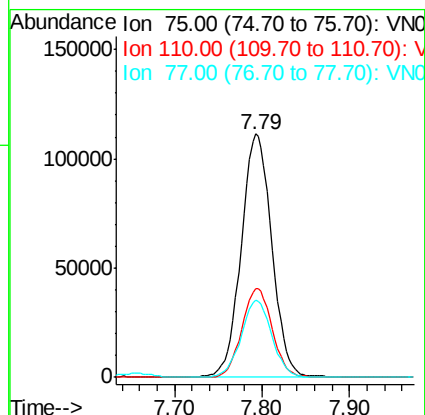
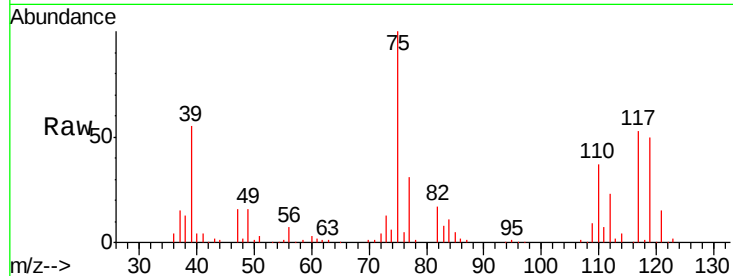
#29
 1,1-Dichloropropene
 Concen: 18.730 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp Lower	Upper
75	100		
110	36.2	0.0	70.2
77	31.4	0.0	62.6

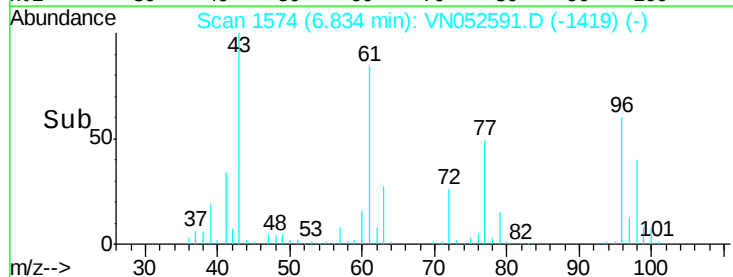
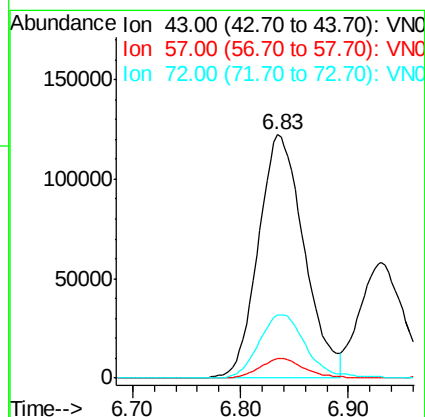
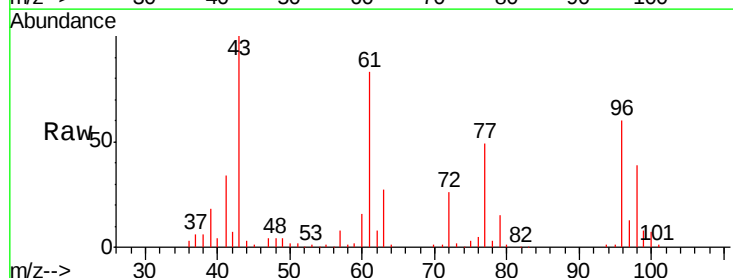
Manual Integrations
 APPROVED

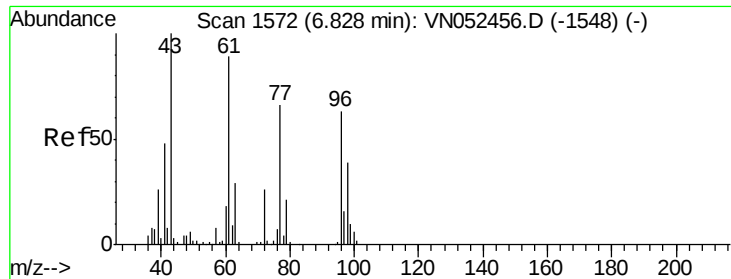
MMDadoda
 11/30/2018 11:04:37 AM



#30
 2-Butanone
 Concen: 92.729 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.0	6.2	9.4
72	27.0	21.0	31.6





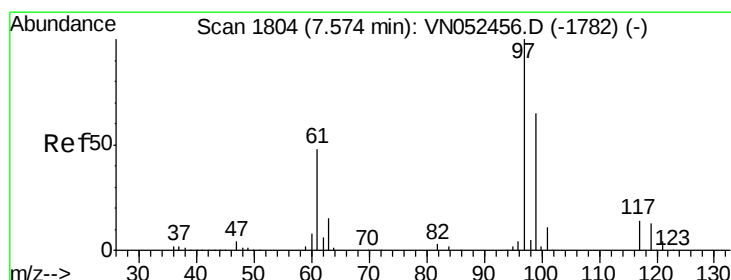
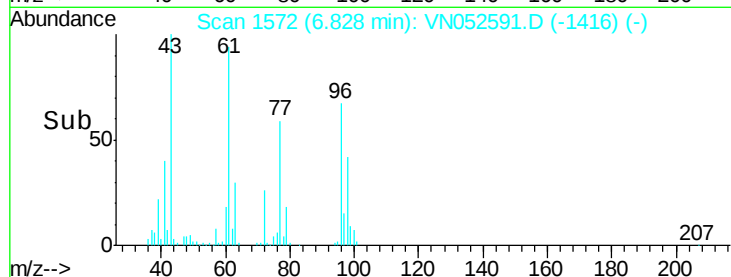
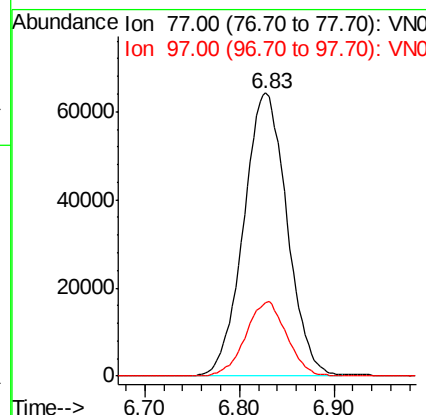
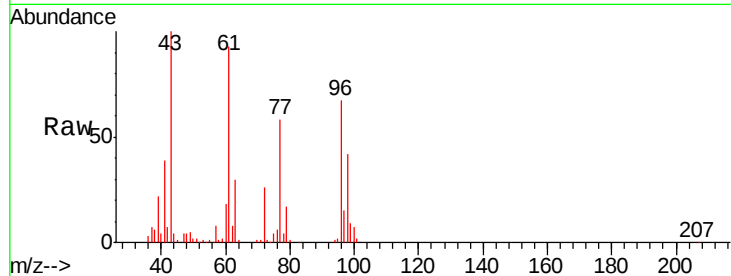
#31
 2,2-Dichloropropane
 Concen: 15.383 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 77 Resp: 204620
 Ion Ratio Lower Upper
 77 100
 97 25.0 18.7 28.1

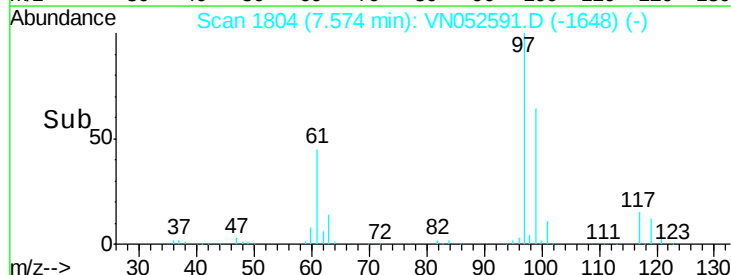
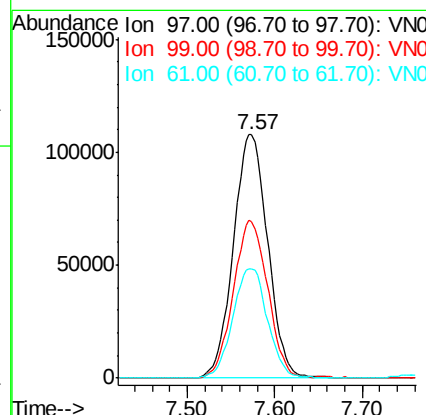
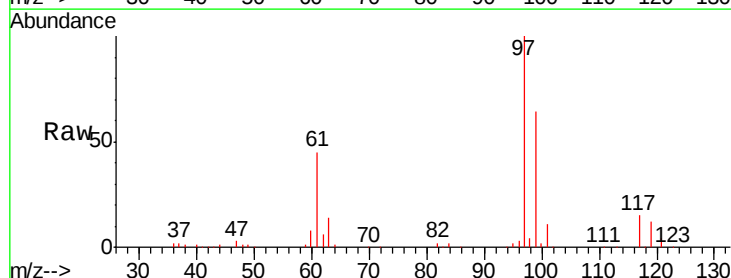
Manual Integrations
 APPROVED

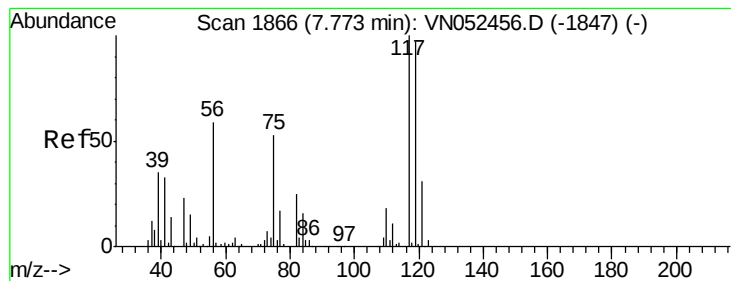
MMDadoda
 11/30/2018 11:04:37 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.557 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion: 97 Resp: 294025
 Ion Ratio Lower Upper
 97 100
 99 64.6 50.9 76.3
 61 45.6 38.1 57.1





#33

Carbon Tetrachloride

Concen: 19.128 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

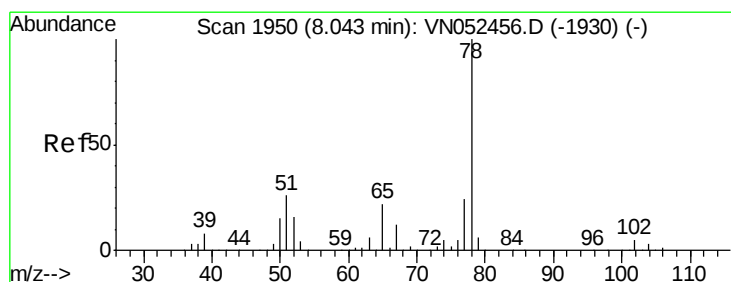
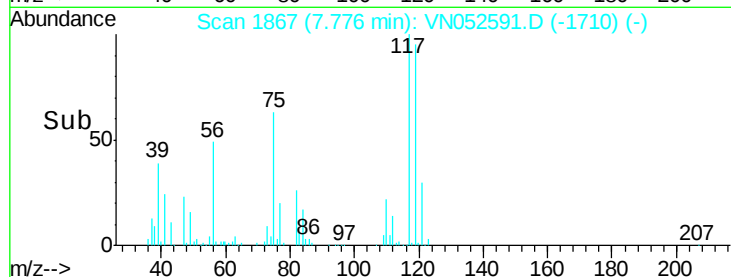
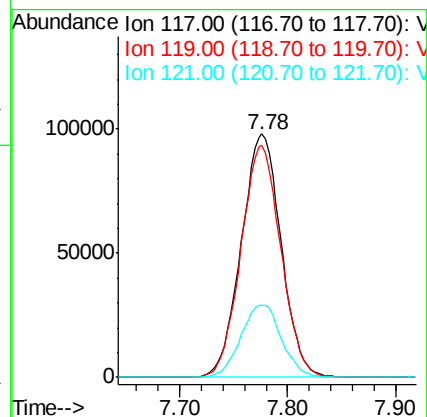
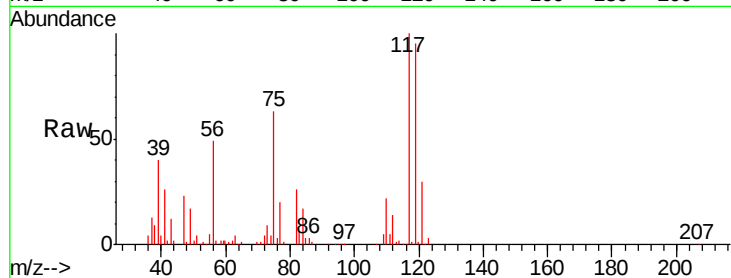
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	117	Resp:	251619
Ion Ratio	Lower	Upper	
117	100		
119	95.4	77.3	115.9
121	29.9	24.9	37.3

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:04:37 AM



#34

Benzene

Concen: 19.358 ug/l

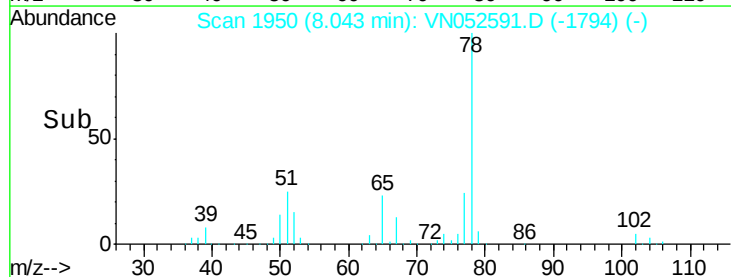
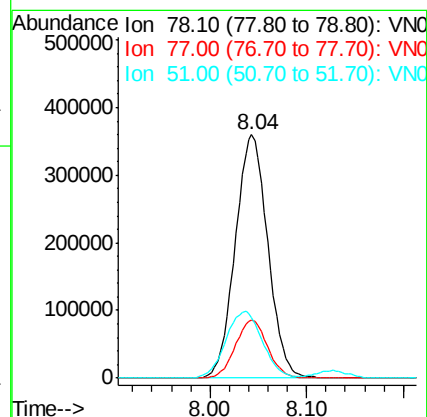
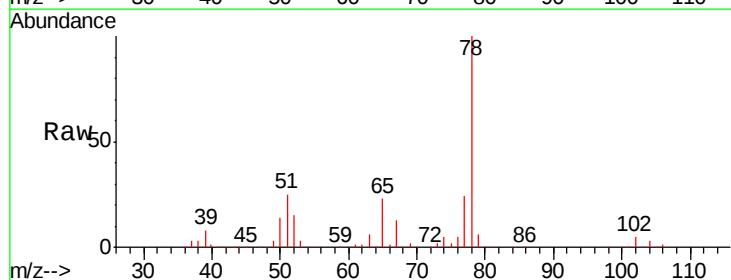
RT: 8.04 min Scan# 1950

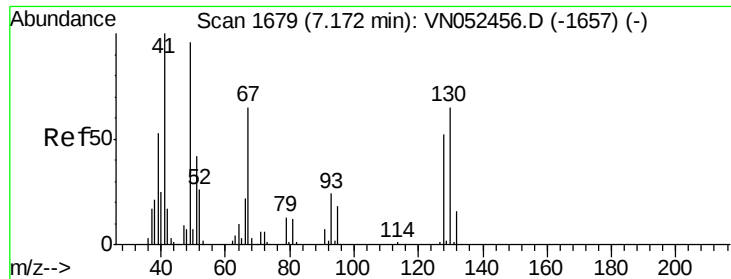
Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Tgt Ion:	78	Resp:	840898
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.0	28.6
51	24.4	20.5	30.7





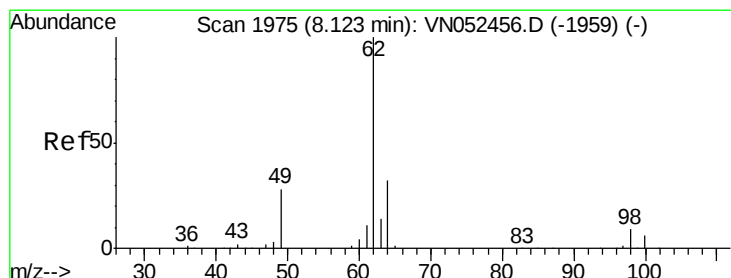
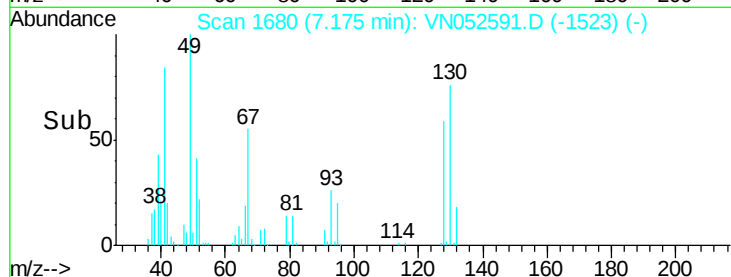
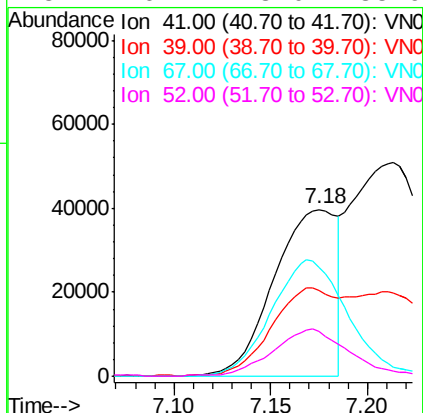
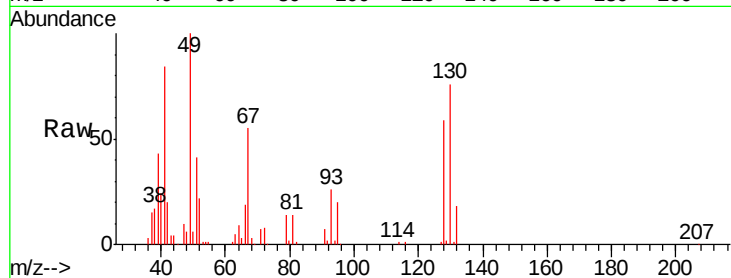
#35
Methacrylonitrile
Concen: 18.546 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.5	26.6	79.7
67	65.9	32.3	96.9
52	26.2	13.0	38.9

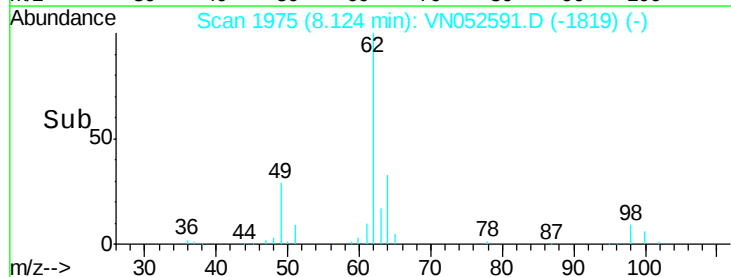
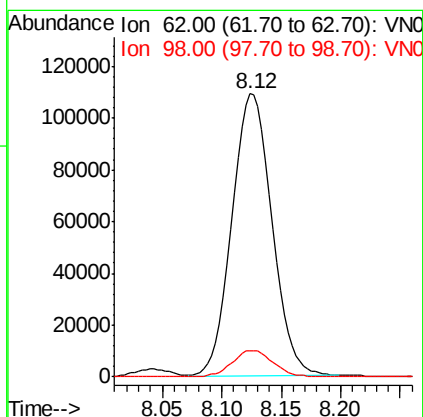
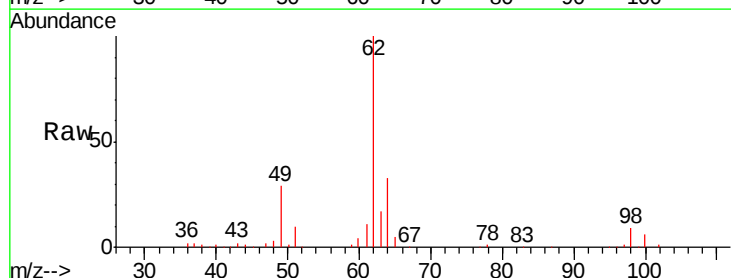
Manual Integrations
APPROVED

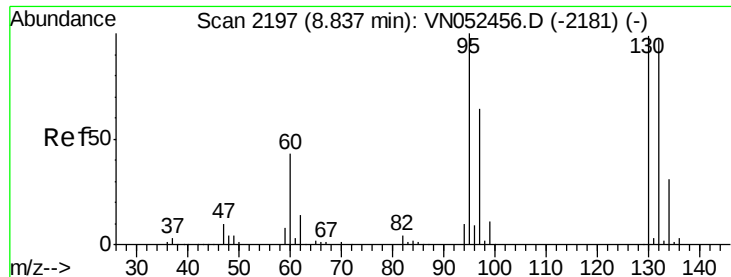
MMDadoda
11/30/2018 11:04:37 AM



#36
1,2-Dichloroethane
Concen: 19.345 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	7.4	11.2





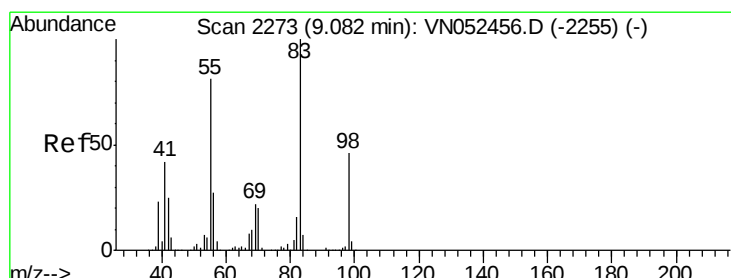
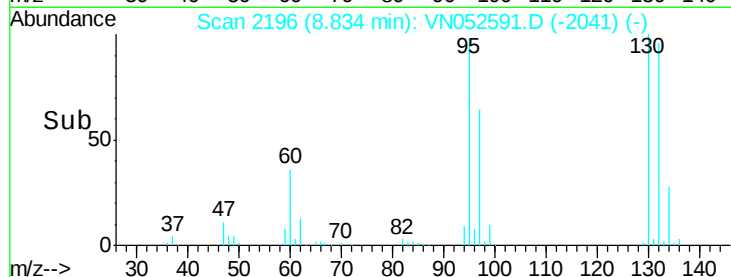
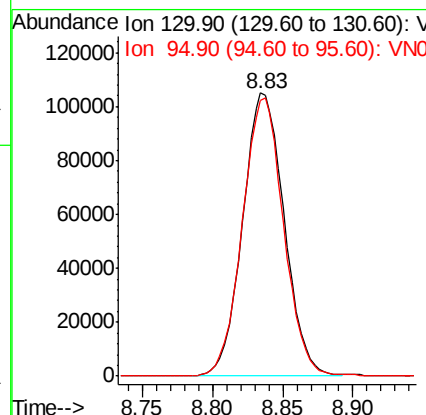
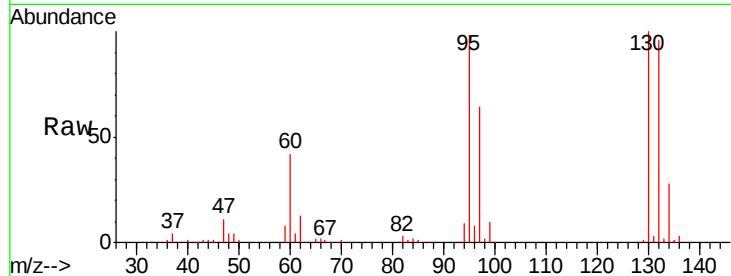
#37
 Trichloroethene
 Concen: 19.667 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 130 Resp: 216643
 Ion Ratio Lower Upper
 130 100
 95 97.5 81.0 121.4

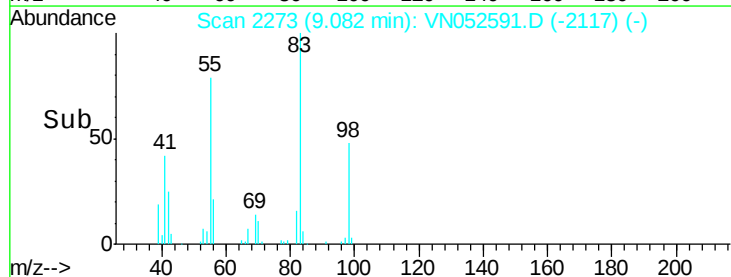
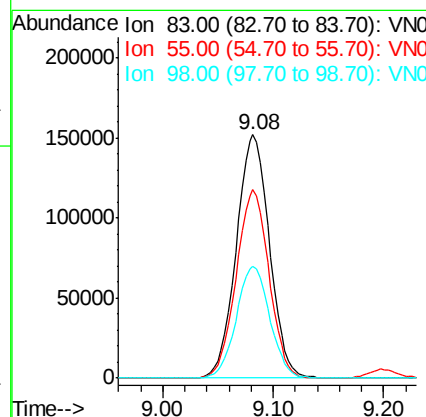
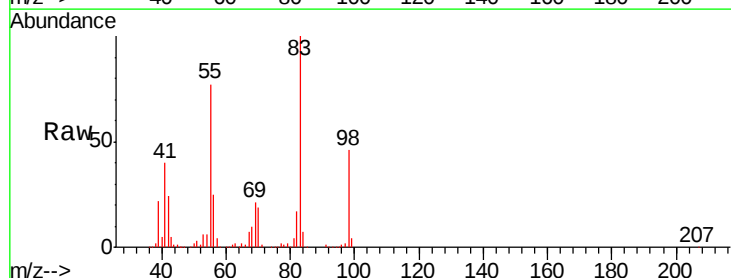
Manual Integrations
 APPROVED

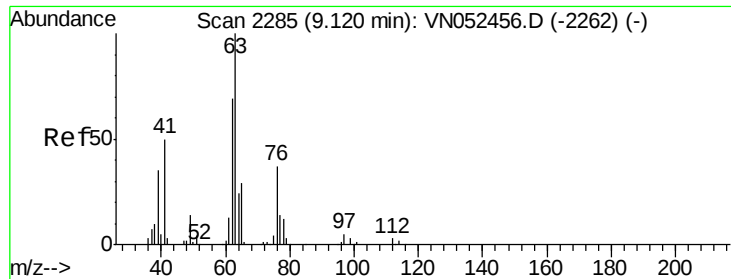
MMDadoda
 11/30/2018 11:04:37 AM



#38
 Methylcyclohexane
 Concen: 17.670 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion: 83 Resp: 316035
 Ion Ratio Lower Upper
 83 100
 55 76.9 39.8 119.4
 98 46.5 22.9 68.5





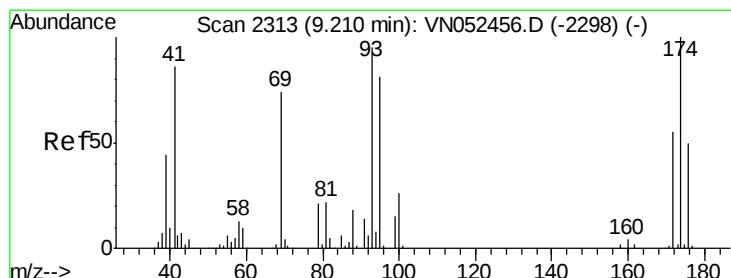
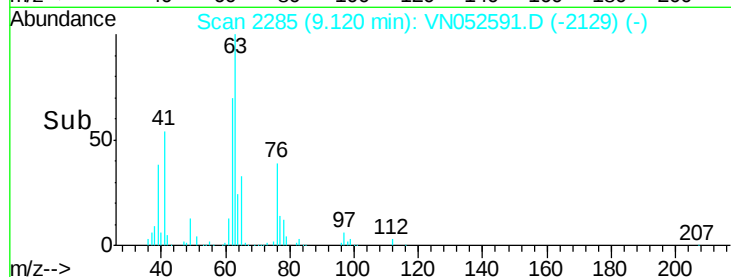
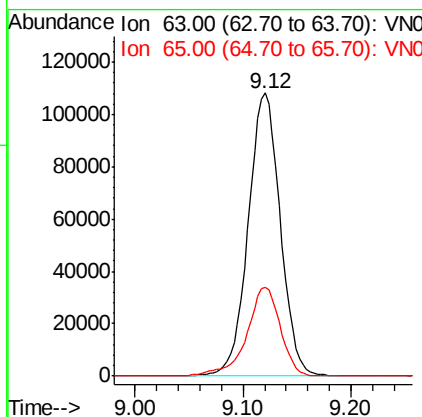
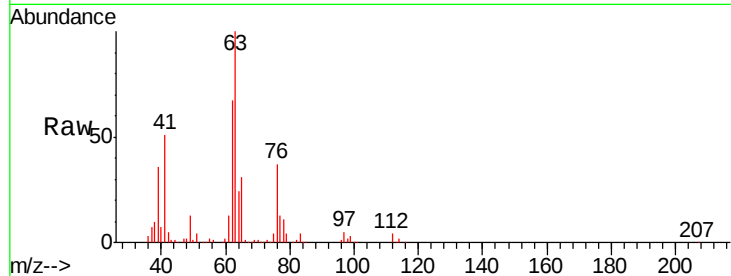
#39
 1,2-Dichloropropane
 Concen: 19.174 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 63 Resp: 223269
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.6 35.4

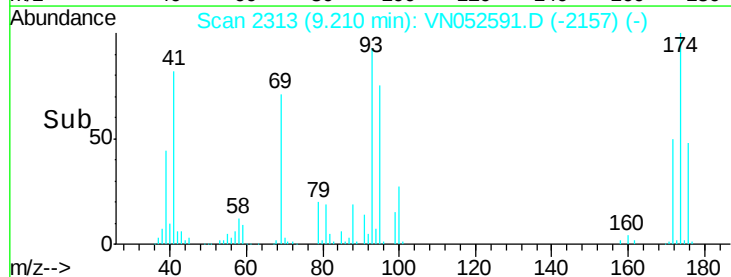
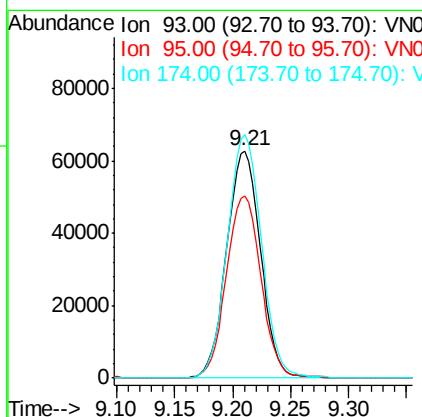
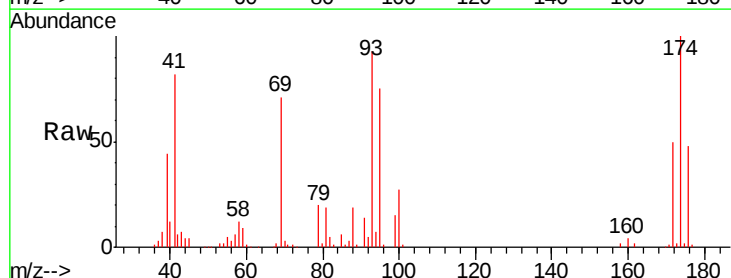
Manual Integrations
 APPROVED

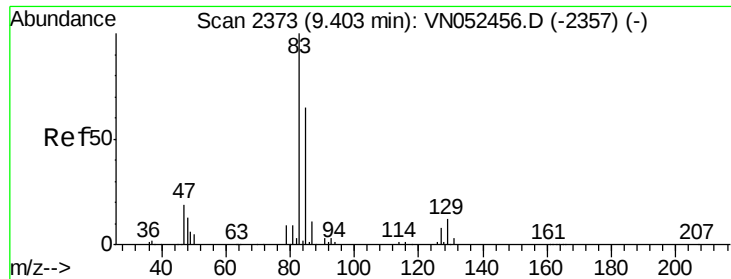
MMDadoda
 11/30/2018 11:04:37 AM



#40
 Dibromomethane
 Concen: 20.270 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion: 93 Resp: 127547
 Ion Ratio Lower Upper
 93 100
 95 81.5 0.0 168.4
 174 107.8 0.0 210.0





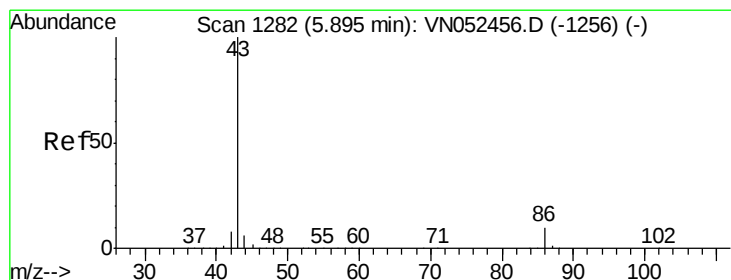
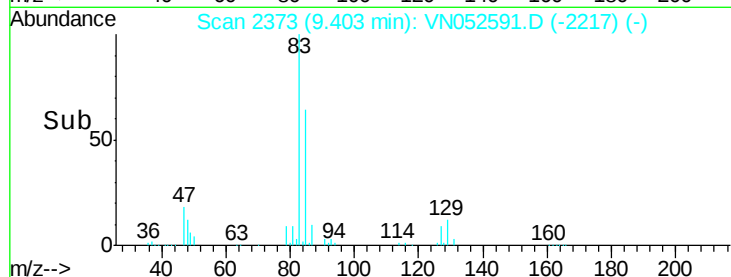
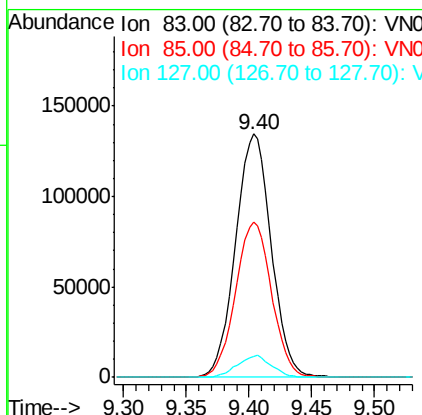
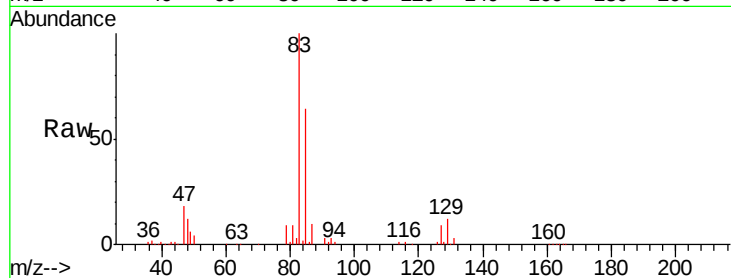
#41
 Bromodichloromethane
 Concen: 19.196 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.4	78.6
127	8.7	6.6	9.8

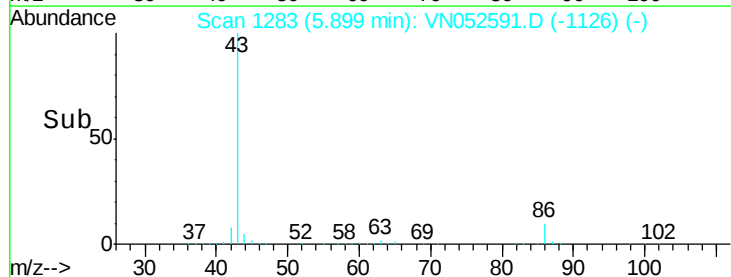
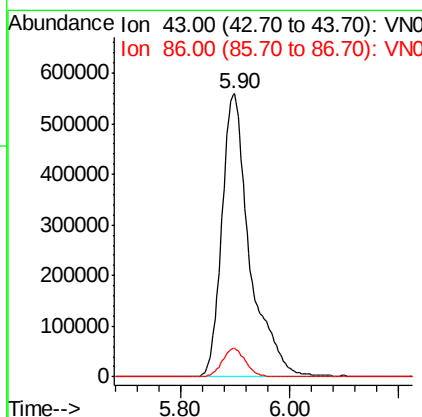
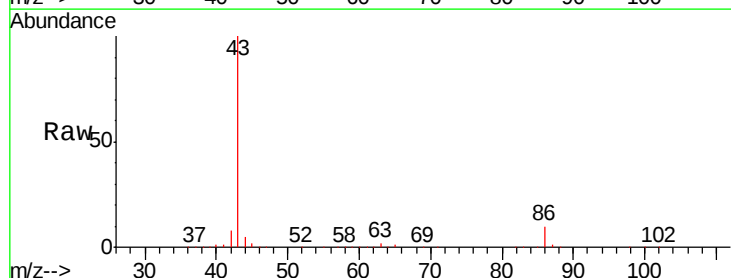
Manual Integrations
 APPROVED

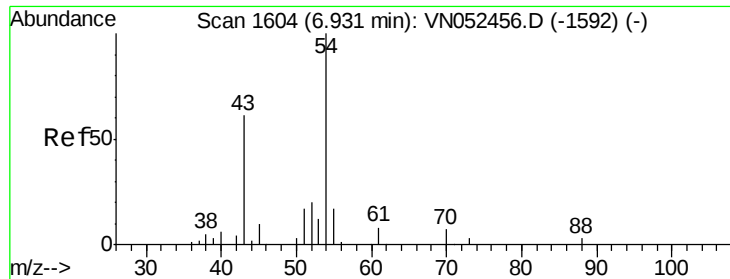
MMDadoda
 11/30/2018 11:04:37 AM



#42
 Vinyl Acetate
 Concen: 94.725 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.5	9.7





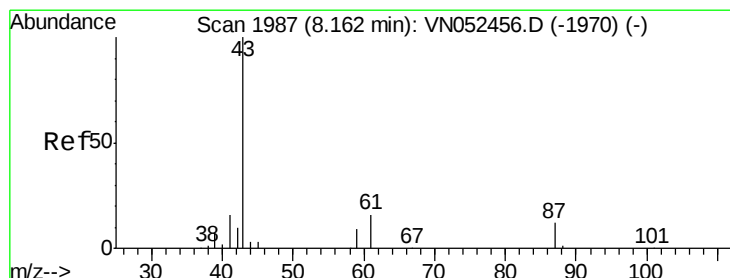
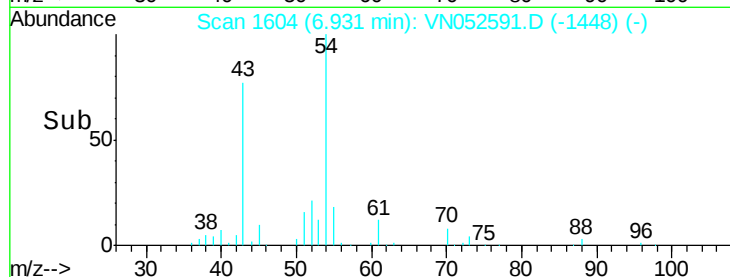
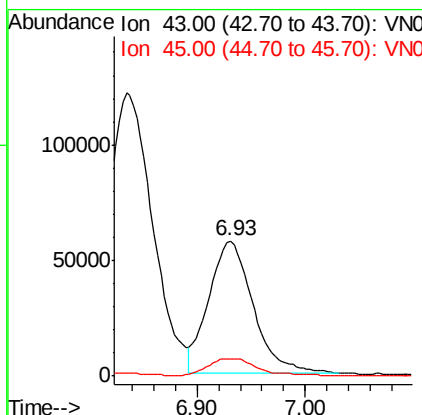
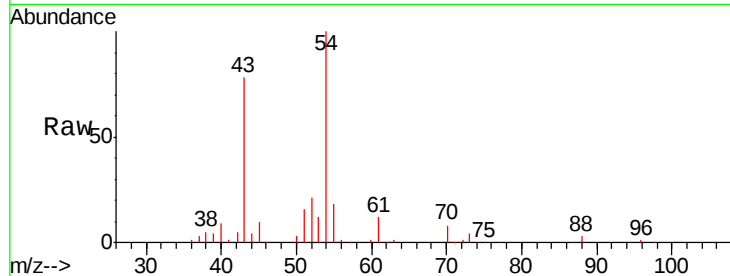
#43
Ethyl Acetate
Concen: 19.878 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 163419
Ion Ratio Lower Upper
43 100
45 7.2 1.0 1.6#

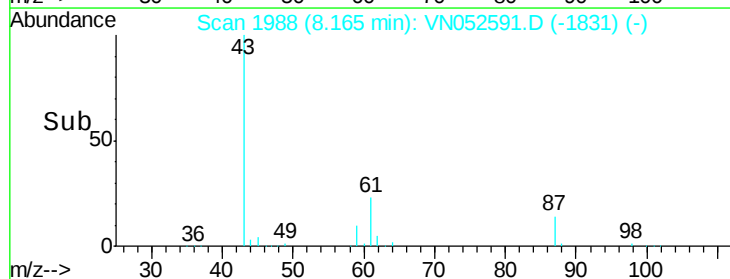
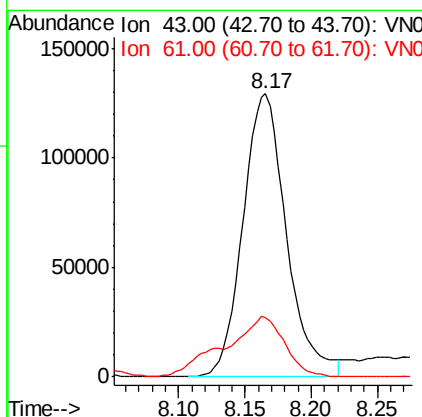
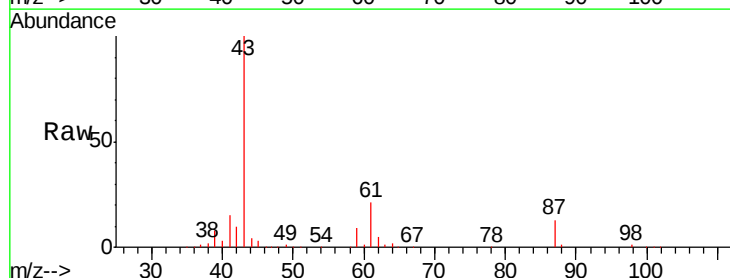
Manual Integrations
APPROVED

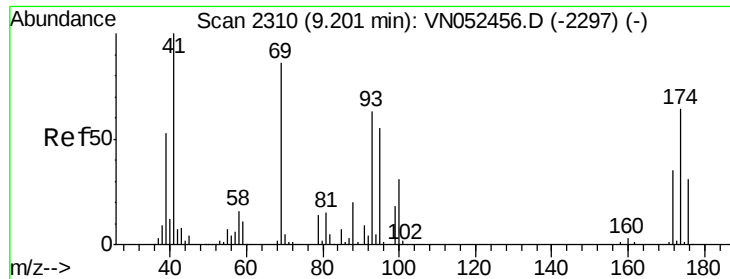
MMDadoda
11/30/2018 11:04:37 AM



#44
Isopropyl Acetate
Concen: 20.384 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion: 43 Resp: 293900
Ion Ratio Lower Upper
43 100
61 20.9 16.0 24.0





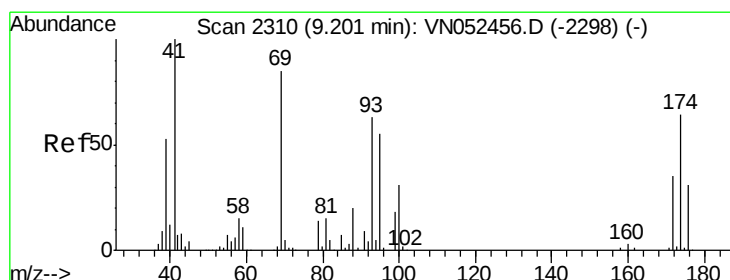
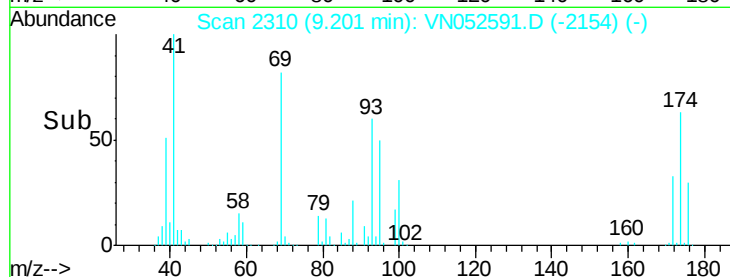
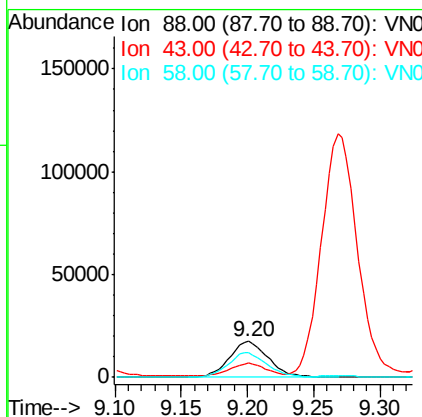
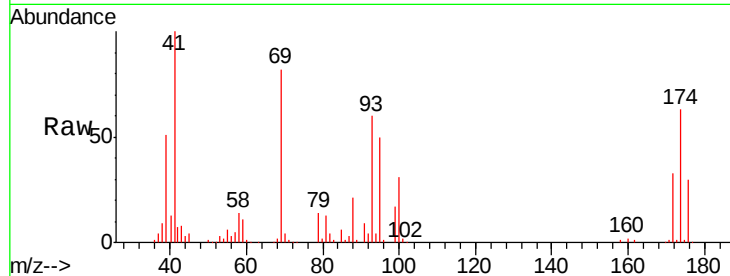
#45
 1,4-Dioxane
 Concen: 458.783 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.2	29.5	44.3
58	68.4	61.5	92.3

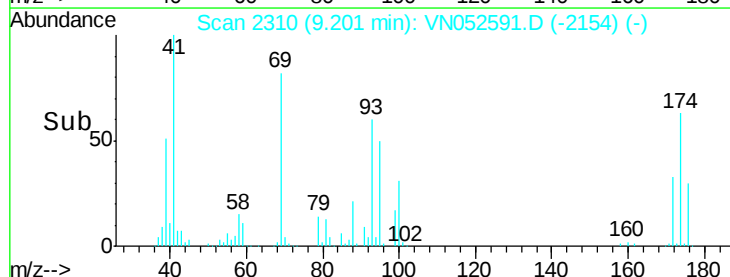
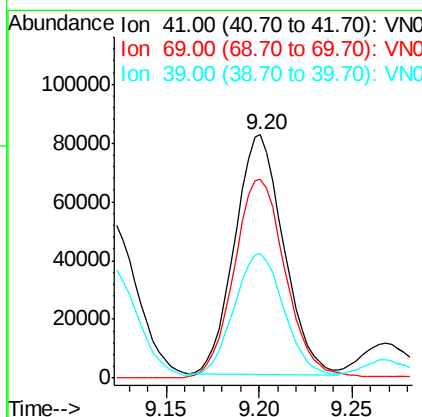
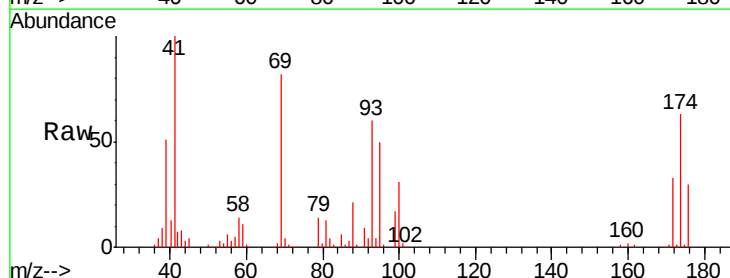
Manual Integrations
 APPROVED

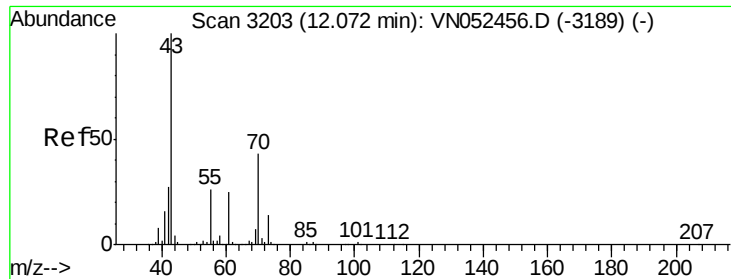
MMDadoda
 11/30/2018 11:04:37 AM



#46
 Methyl methacrylate
 Concen: 19.946 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.6	42.5	127.6
39	50.9	26.3	78.9





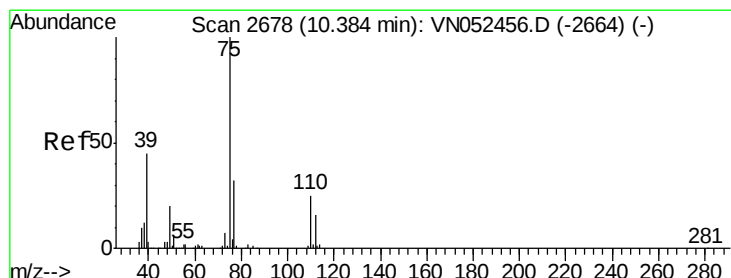
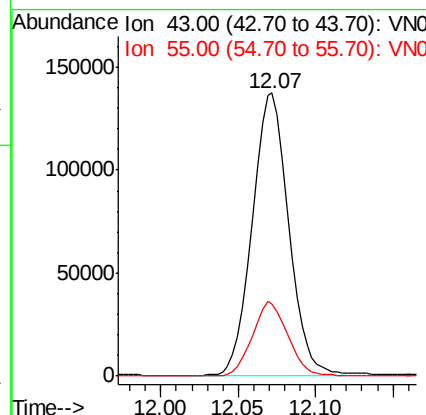
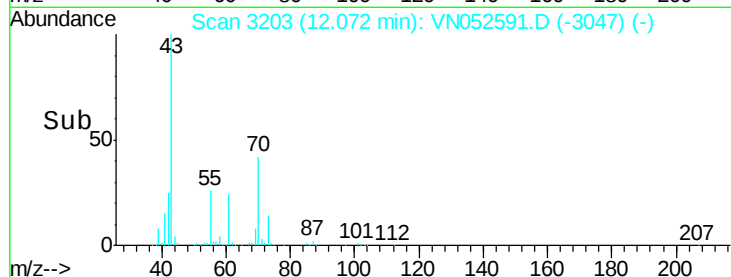
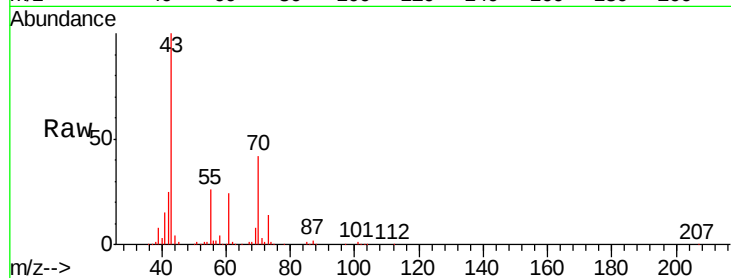
#47
n-amy1 Acetate
Concen: 18.806 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 224810
Ion Ratio Lower Upper
43 100
55 25.9 21.1 31.7

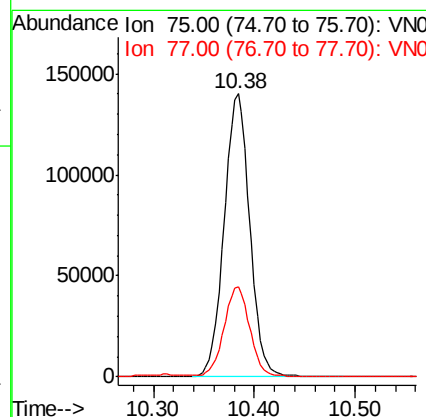
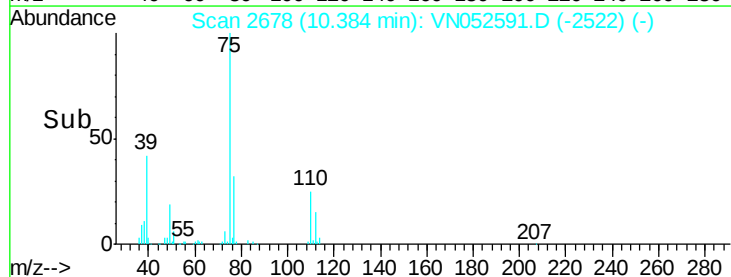
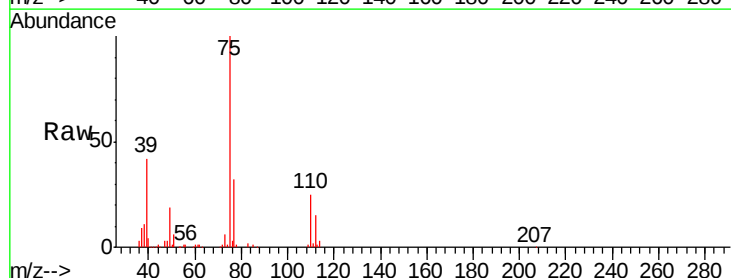
Manual Integrations
APPROVED

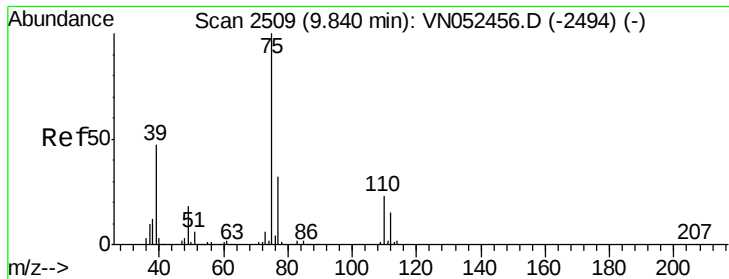
MMDadoda
11/30/2018 11:04:37 AM



#48
t-1,3-Dichloropropene
Concen: 18.452 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion: 75 Resp: 248729
Ion Ratio Lower Upper
75 100
77 31.5 25.6 38.4





#49

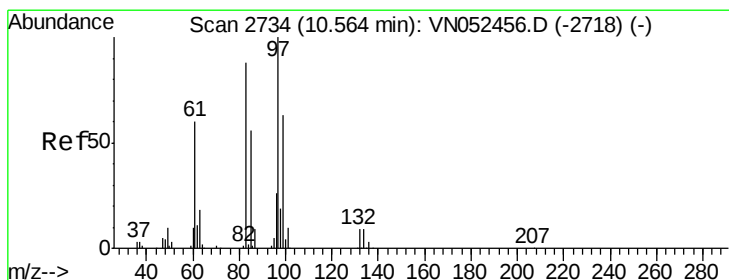
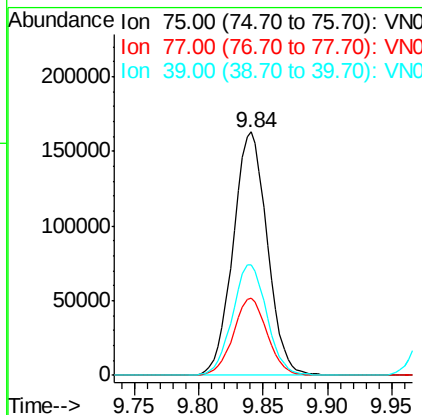
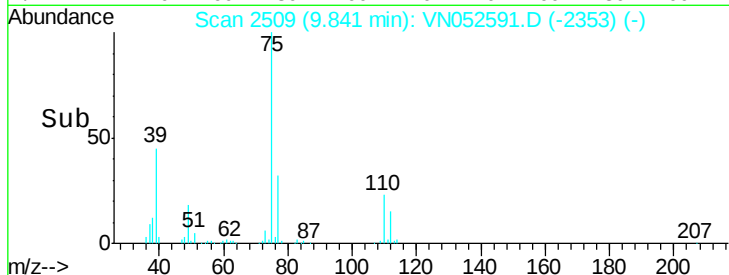
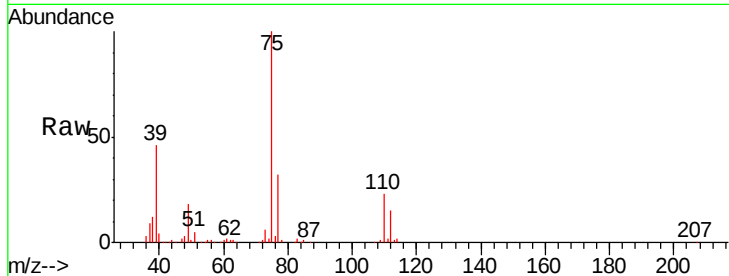
cis-1,3-Dichloropropene
Concen: 18.276 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	45.5	37.3	55.9

Manual Integrations
APPROVED

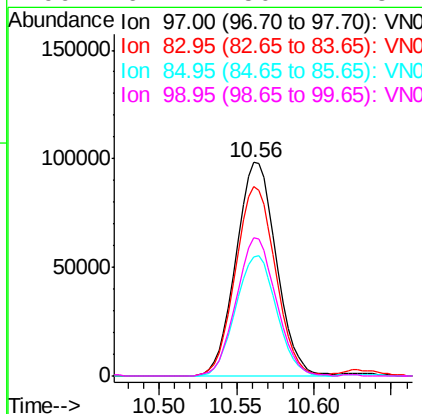
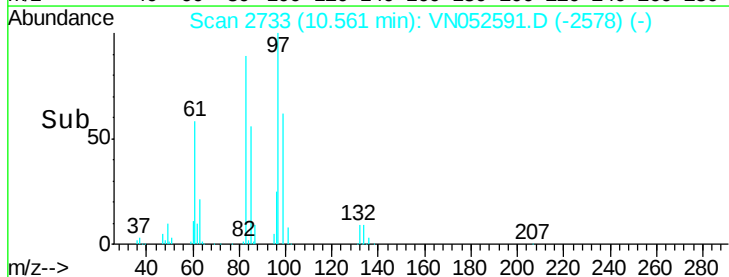
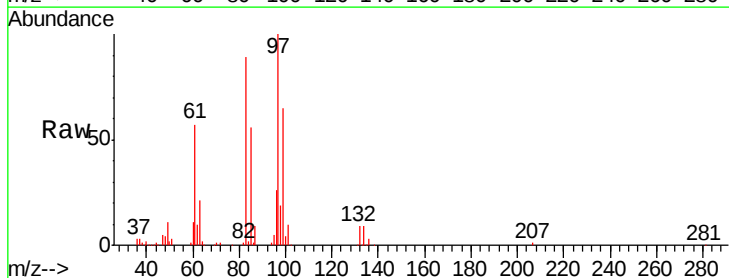
MMDadoda
11/30/2018 11:04:37 AM

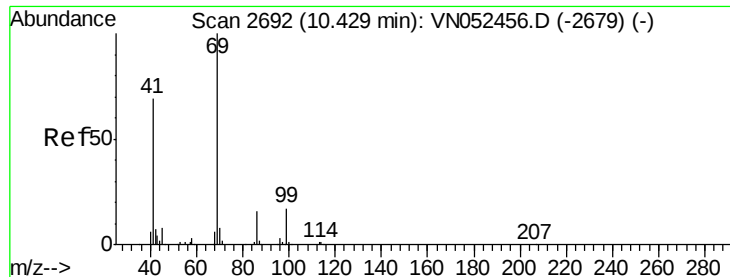


#50

1,1,2-Trichloroethane
Concen: 20.076 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.4	105.6
85	55.8	45.0	67.6
99	64.7	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.626 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 69 Resp: 219858
Ion Ratio Lower Upper

69 100

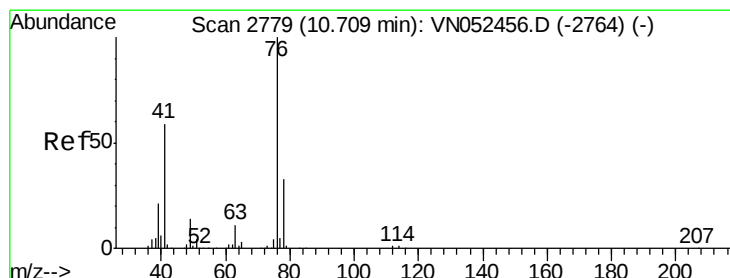
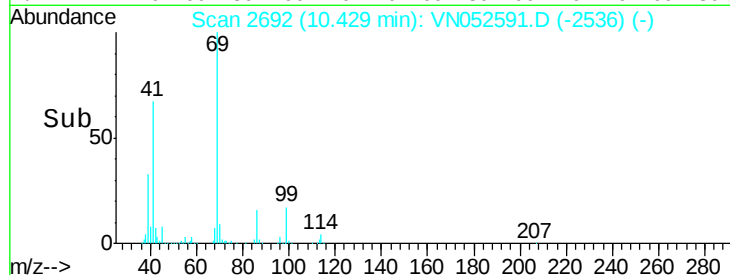
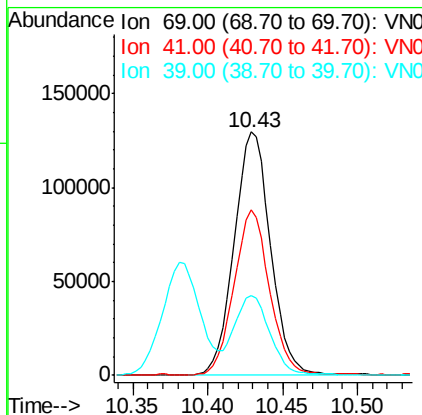
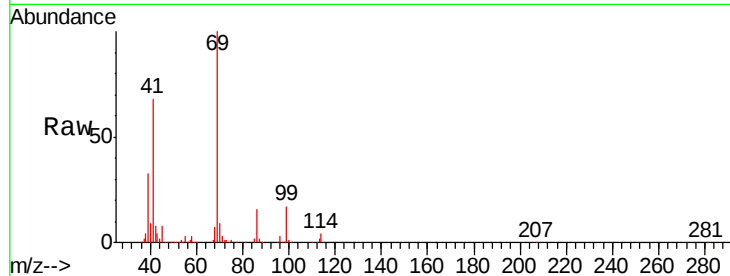
41 67.4 34.4 103.3

39 32.6 16.4 49.2

Manual Integrations
APPROVED

MMDadoda

11/30/2018 11:04:37 AM



#52

1,3-Dichloropropane

Concen: 19.606 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

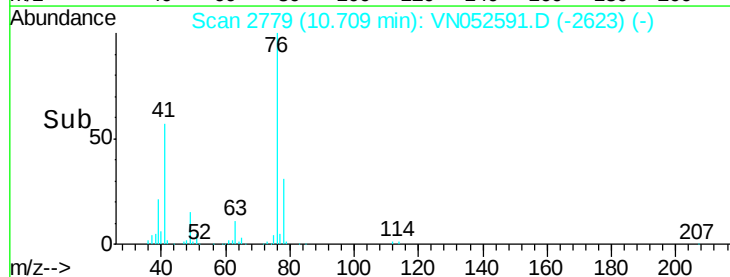
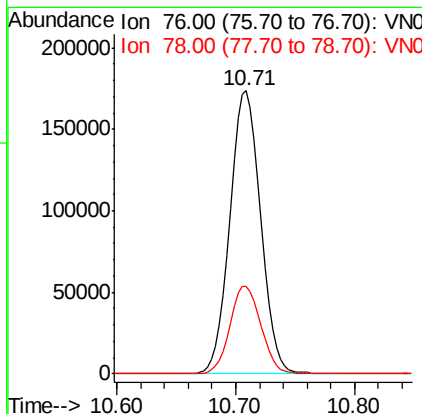
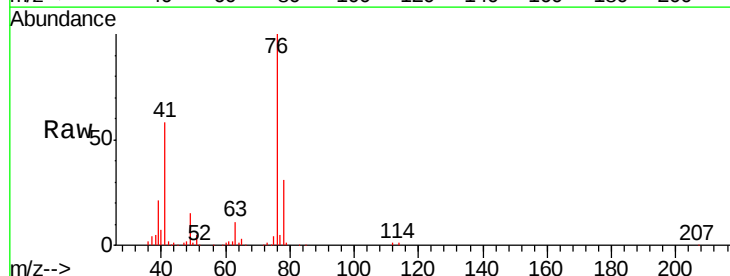
Lab File: VN052591.D

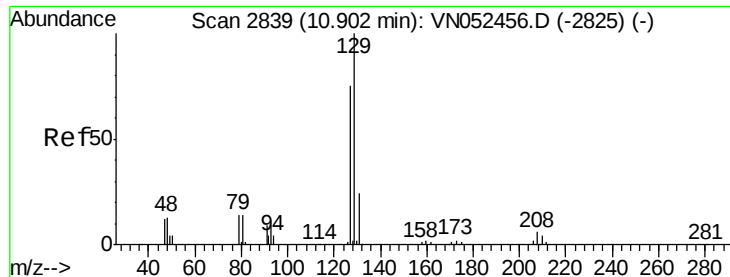
Acq: 30 Nov 2018 3:43

Tgt Ion: 76 Resp: 311278
Ion Ratio Lower Upper

76 100

78 31.3 0.0 64.8





#53

Dibromochloromethane

Concen: 19.226 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:129 Resp: 188802

Ion Ratio Lower Upper

129 100

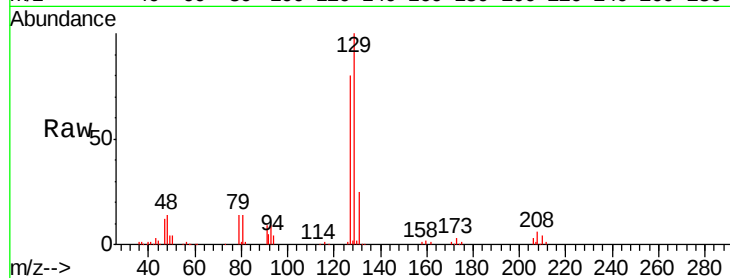
127 78.6 37.6 112.8

Manual Integrations

APPROVED

MMDadoda

11/30/2018 11:04:37 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

120000

100000

80000

60000

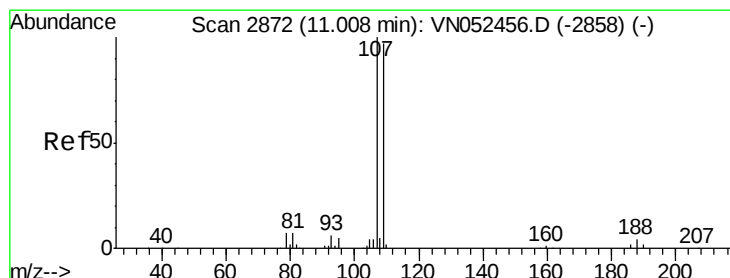
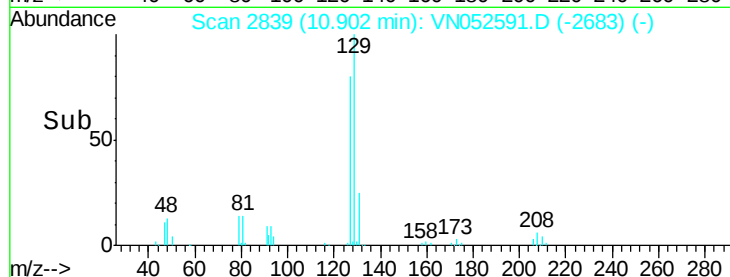
40000

20000

0

10.85 10.90 10.95 11.00

Time-->



#54

1,2-Dibromoethane

Concen: 20.092 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052591.D

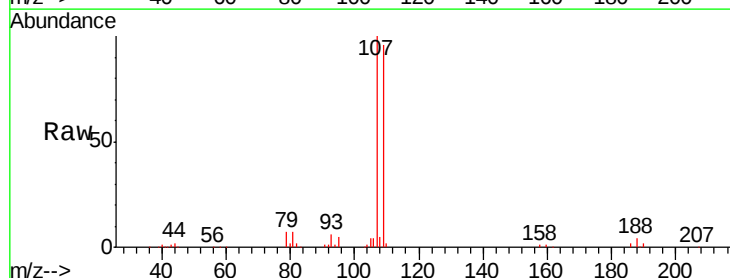
Acq: 30 Nov 2018 3:43

Tgt Ion:107 Resp: 175126

Ion Ratio Lower Upper

107 100

109 94.5 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

100000

80000

60000

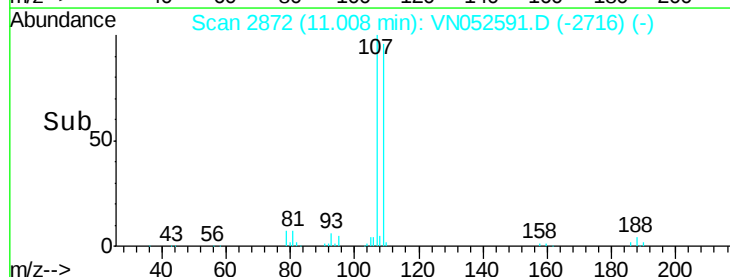
40000

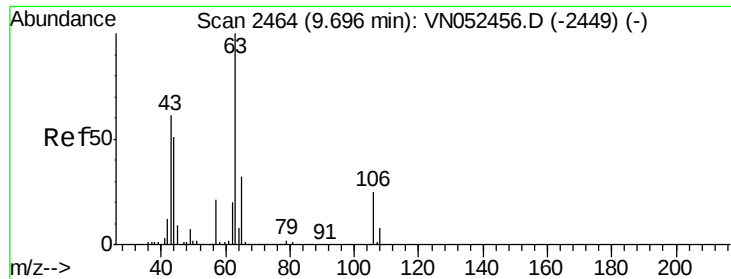
20000

0

11.00 11.10

Time-->





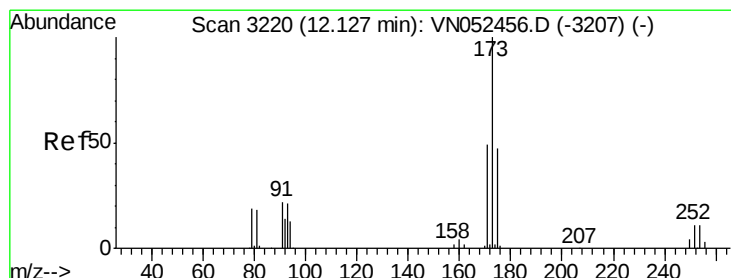
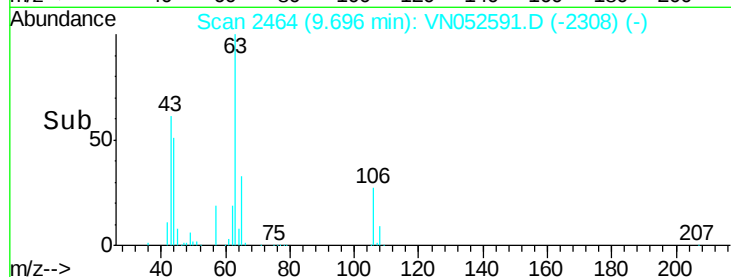
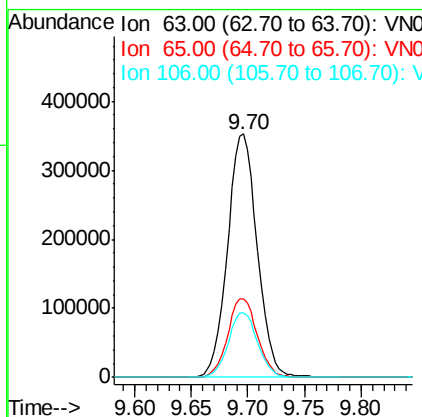
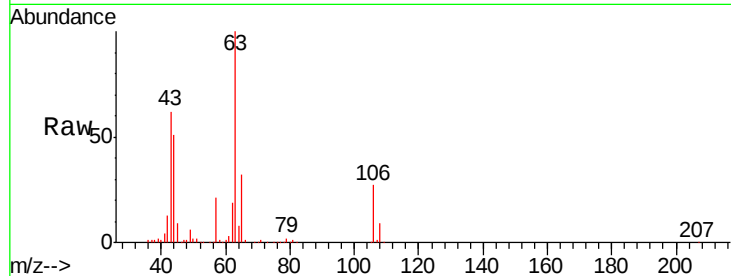
#55
 2-Chloroethyl vinyl ether
 Concen: 98.158 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 63 Resp: 643671
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.4 38.2
 106 26.4 20.4 30.6

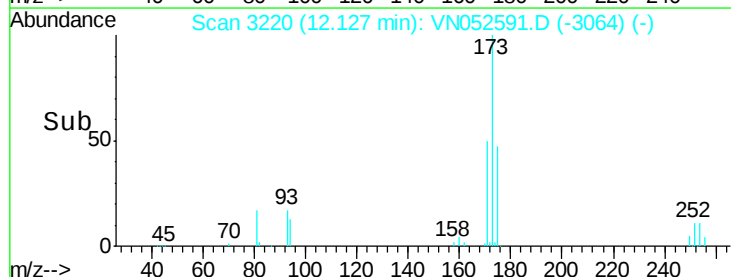
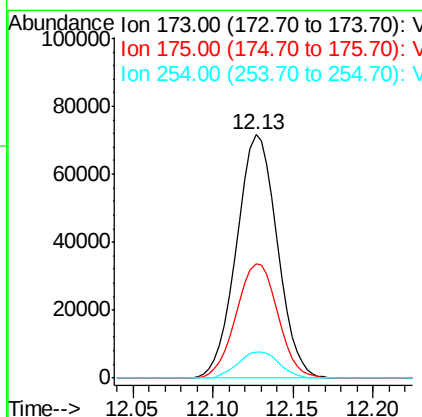
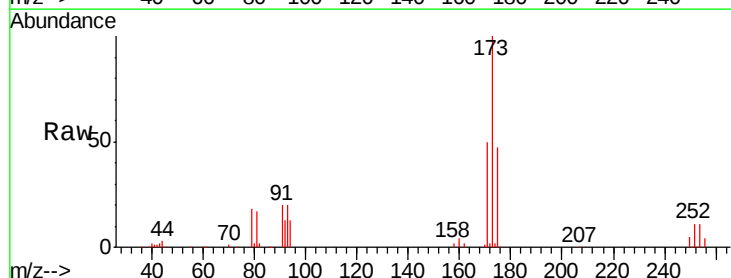
Manual Integrations
 APPROVED

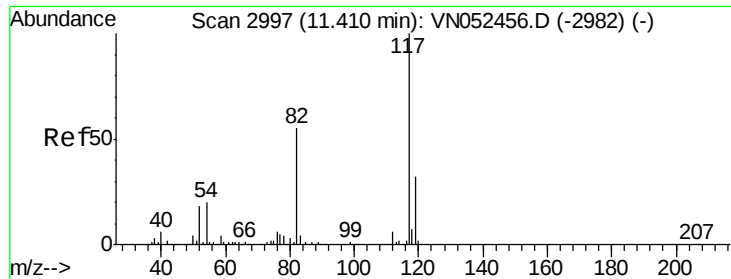
MMDadoda
 11/30/2018 11:04:37 AM



#56
 Bromoform
 Concen: 19.367 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion: 173 Resp: 124314
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.7 58.1
 254 10.9 8.4 12.6





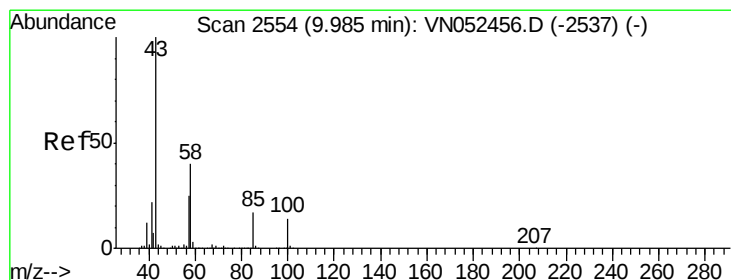
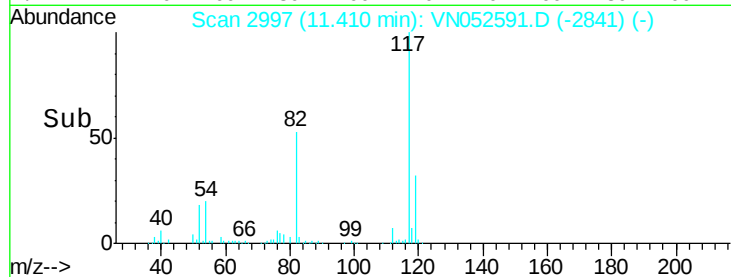
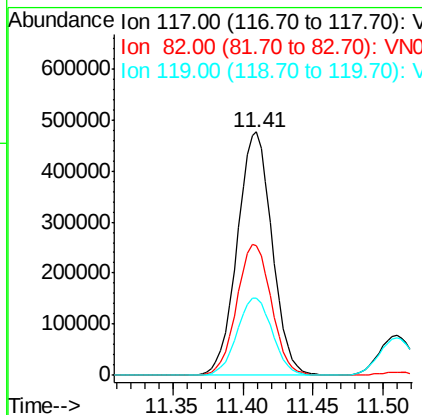
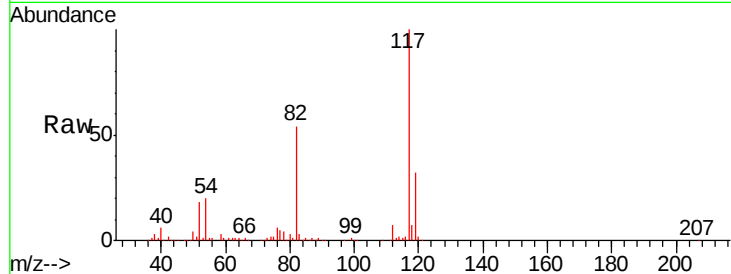
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	823680		
82	53.9	44.2	66.2	
119	32.3	25.4	38.2	

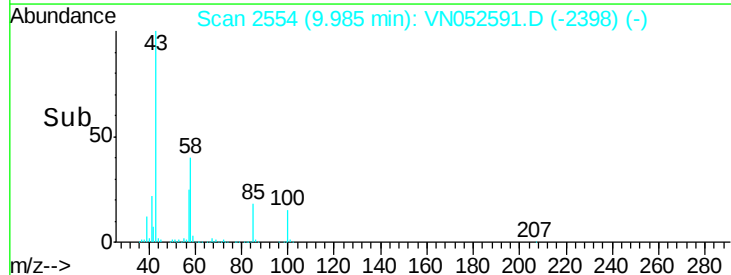
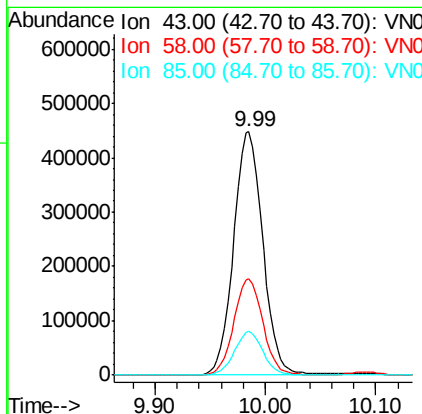
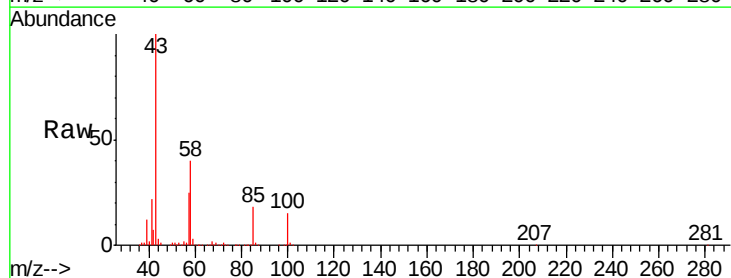
Manual Integrations
APPROVED

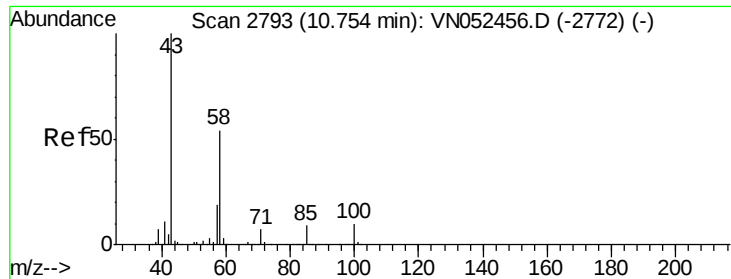
MMDadoda
11/30/2018 11:04:37 AM



#58
4-Methyl-2-Pentanone
Concen: 103.018 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	822637		
58	39.4	31.6	47.4	
85	17.5	13.3	19.9	





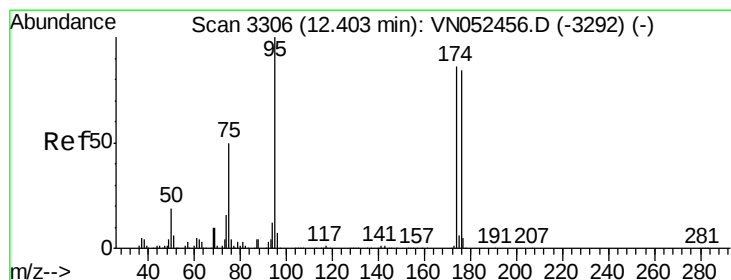
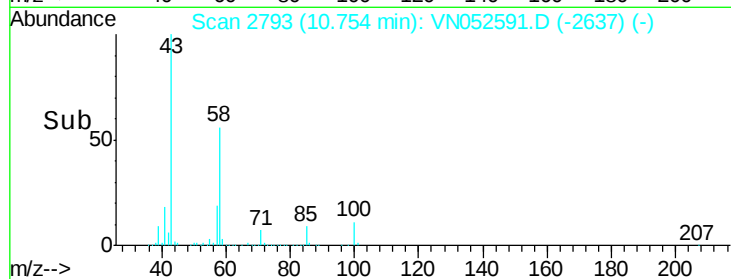
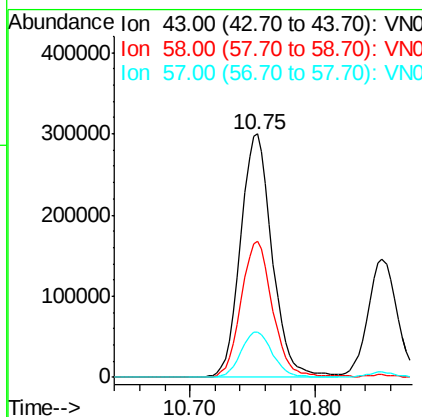
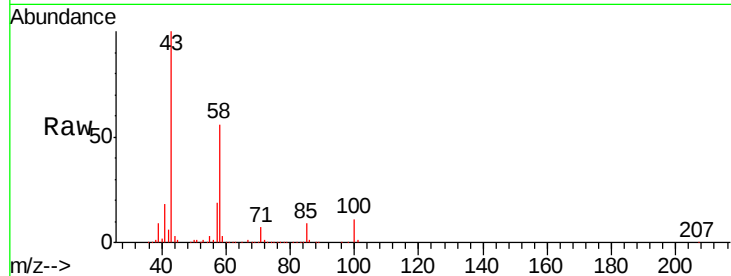
#59
2-Hexanone
Concen: 96.485 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.0	43.2	64.8
57	18.9	14.9	22.3

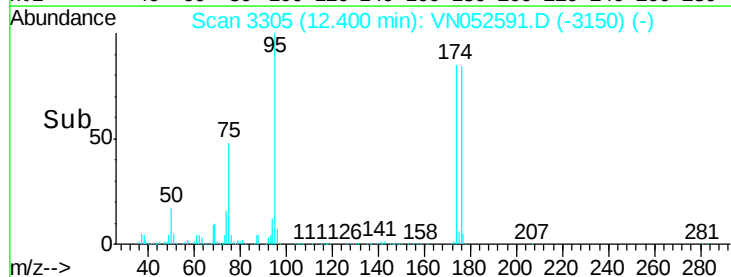
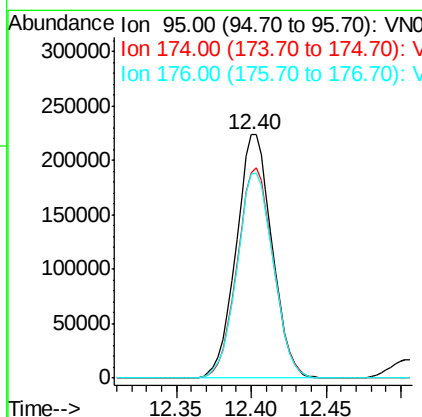
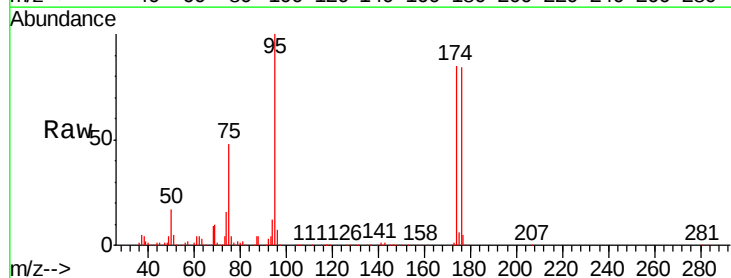
Manual Integrations
APPROVED

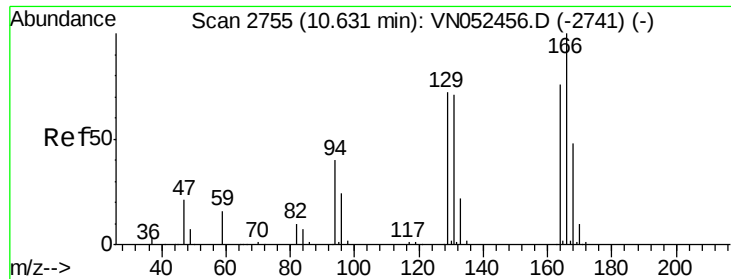
MMDadoda
11/30/2018 11:04:37 AM



#60
4-Bromofluorobenzene
Concen: 96.485 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.8	67.9	101.9
176	85.1	66.4	99.6





#61

Tetrachloroethene

Concen: 21.169 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:164 Resp: 214753

Ion Ratio Lower Upper

164 100

166 127.5 104.6 157.0

129 91.7 75.3 112.9

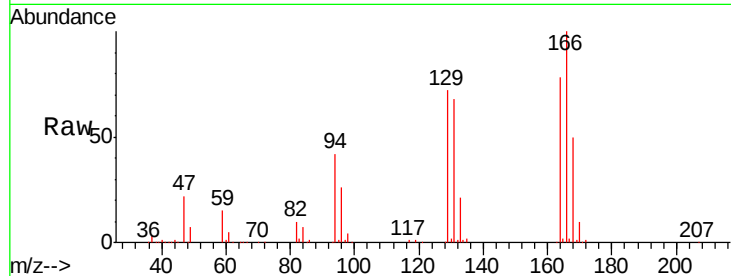
131 86.7 74.3 111.5

Manual Integrations

APPROVED

MMDadoda

11/30/2018 11:04:37 AM

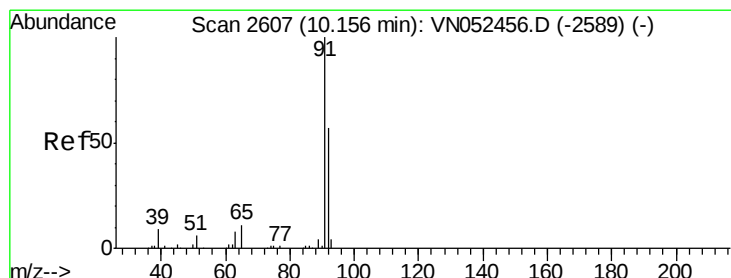
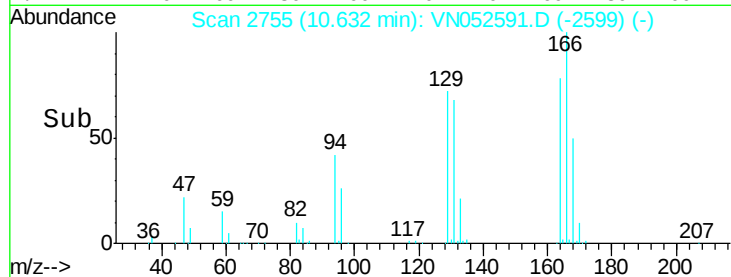
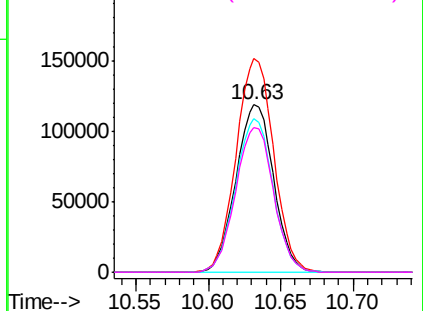


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.454 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052591.D

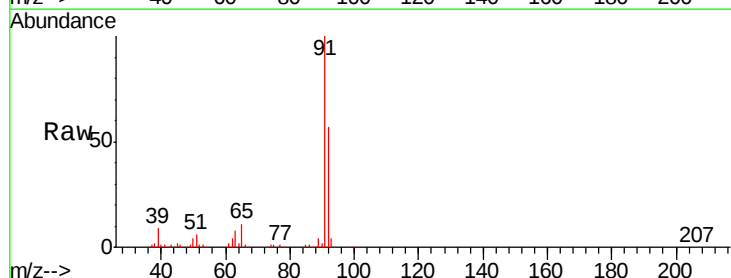
Acq: 30 Nov 2018 3:43

Tgt Ion: 91 Resp: 883348

Ion Ratio Lower Upper

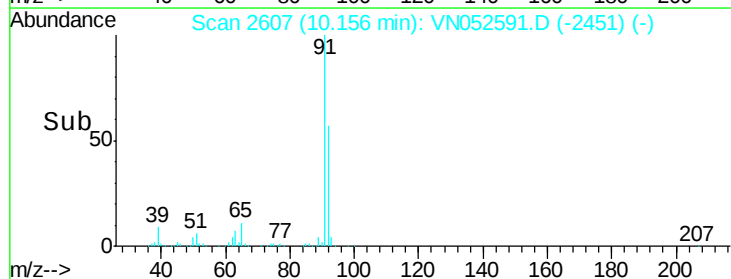
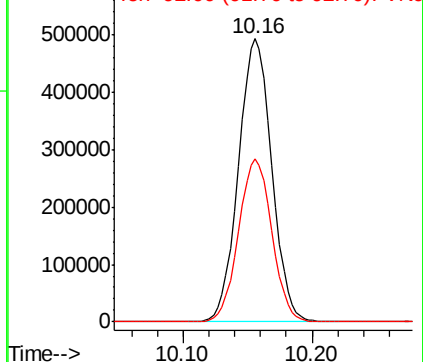
91 100

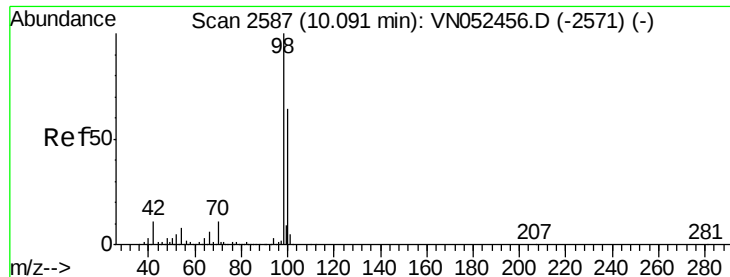
92 57.7 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 19.454 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 98 Resp: 1140324

Ion Ratio Lower Upper

98 100

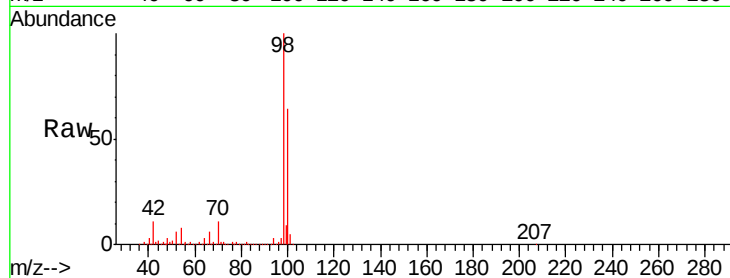
100 64.0 51.1 76.7

Manual Integrations

APPROVED

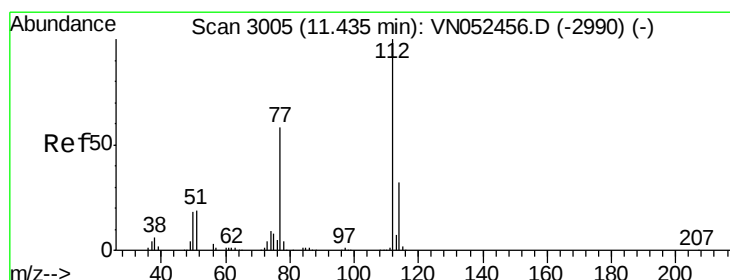
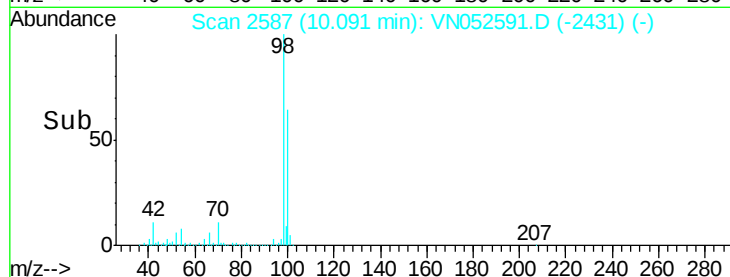
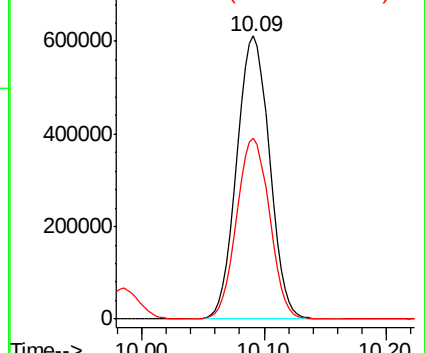
MMDadoda

11/30/2018 11:04:37 AM



Abundance Ion 98.00 (97.70 to 98.70): VN052591.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN052591.D (-2571) (-)



#64

Chlorobenzene

Concen: 19.470 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052591.D

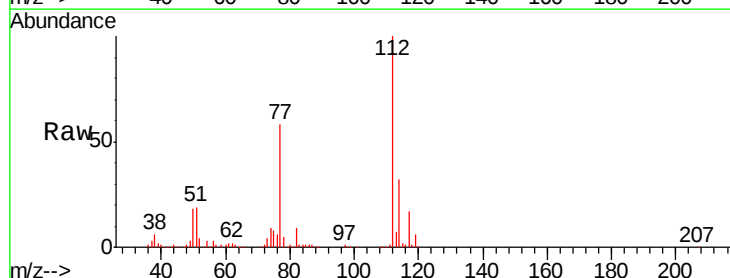
Acq: 30 Nov 2018 3:43

Tgt Ion: 112 Resp: 539607

Ion Ratio Lower Upper

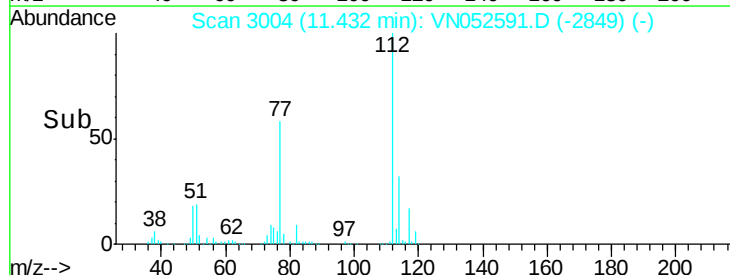
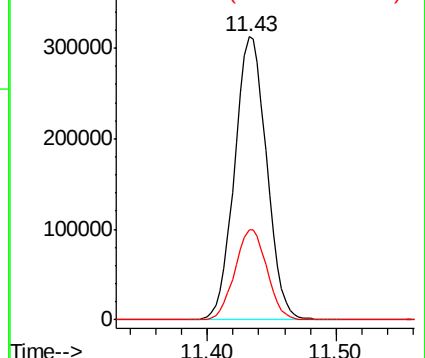
112 100

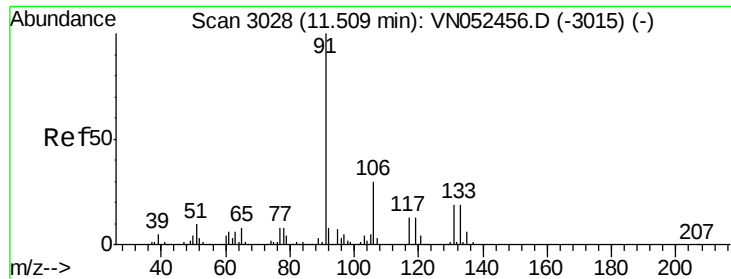
114 31.6 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052591.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN052591.D (-2849) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.711 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

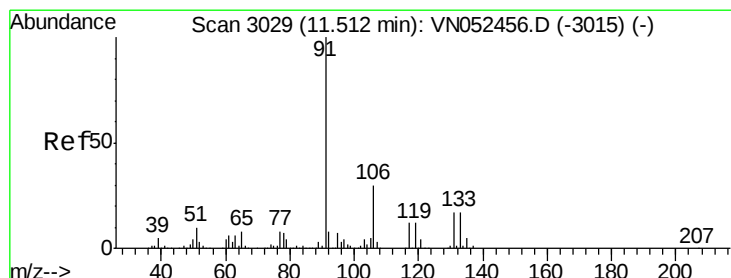
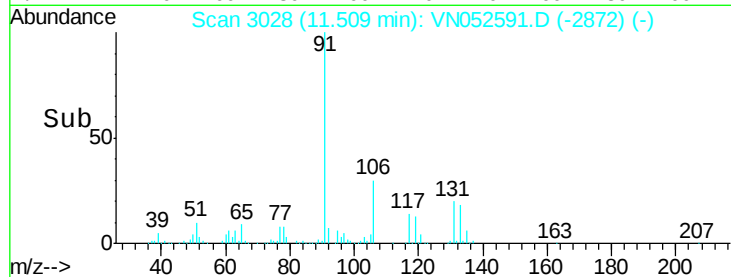
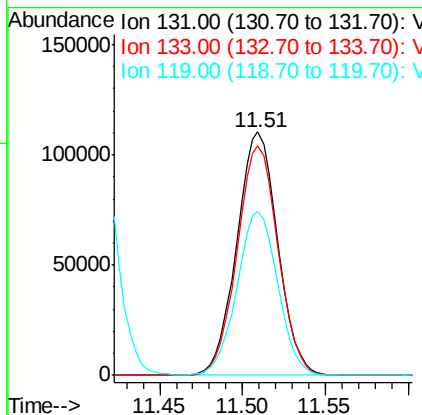
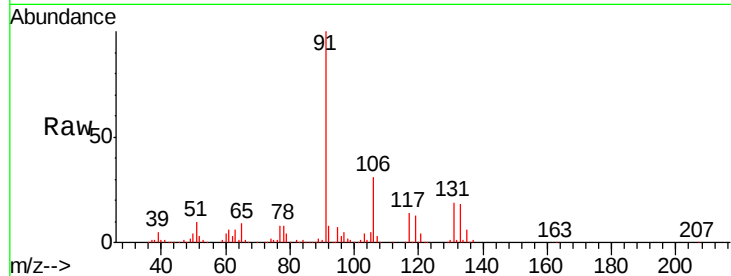
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	131	Resp:	189622
Ion Ratio	Lower	Upper	
131	100		
133	94.4	0.0	193.4
119	67.0	0.0	133.0

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:04:37 AM



#66

Ethyl Benzene

Concen: 19.348 ug/l

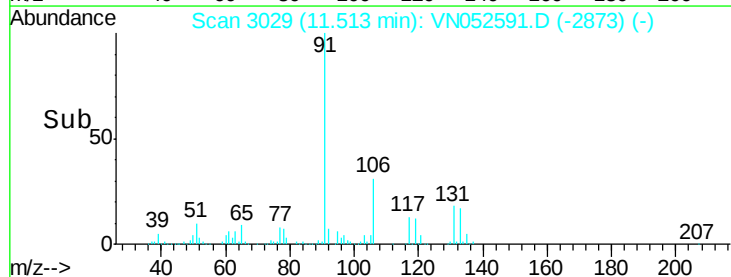
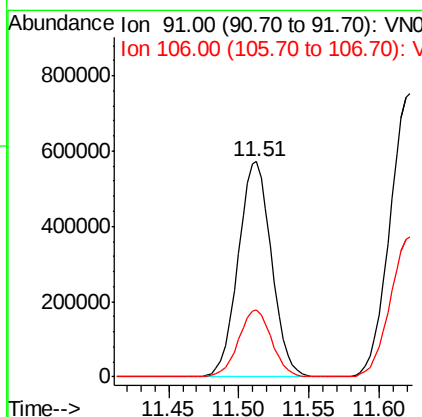
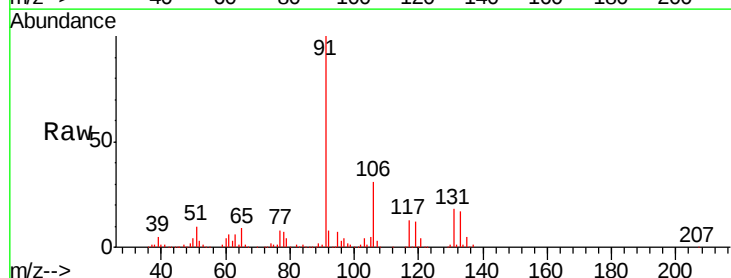
RT: 11.51 min Scan# 3029

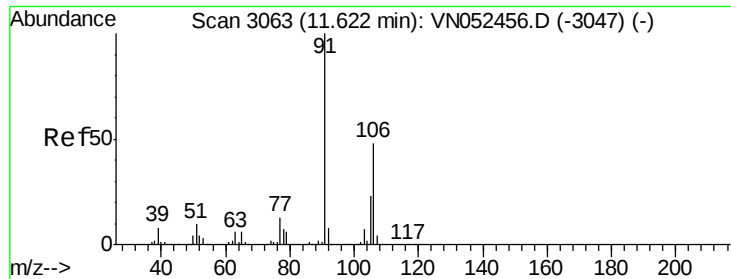
Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Tgt Ion:	91	Resp:	946882
Ion Ratio	Lower	Upper	
91	100		
106	31.1	24.3	36.5





#67

m/p-Xylenes

Concen: 39.143 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:106 Resp: 713665

Ion Ratio Lower Upper

106 100

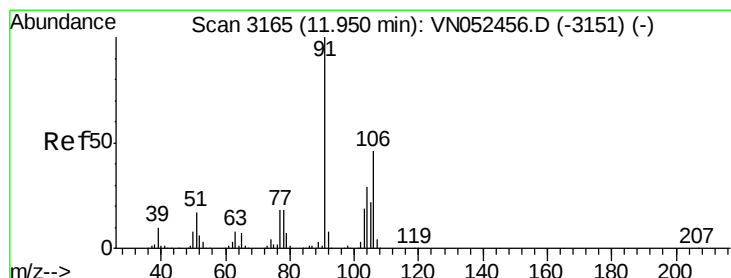
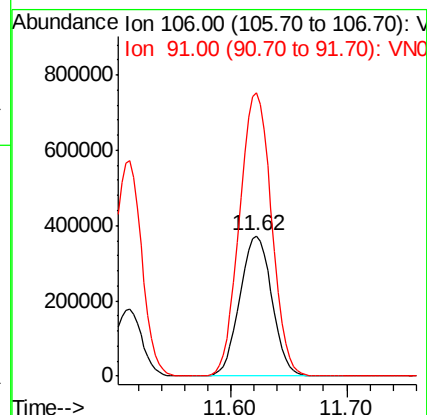
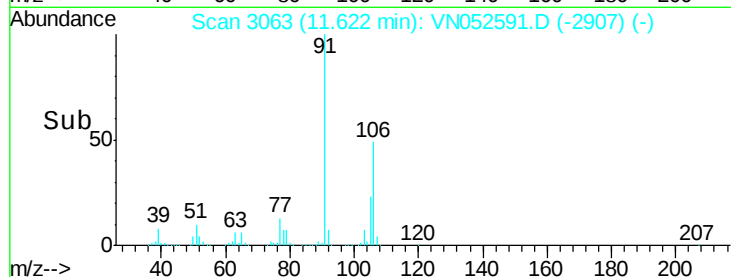
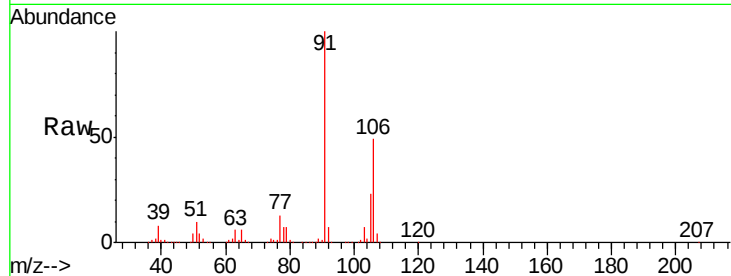
91 202.7 163.9 245.9

Manual Integrations

APPROVED

MMDadoda

11/30/2018 11:04:37 AM



#68

o-Xylene

Concen: 19.661 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN052591.D

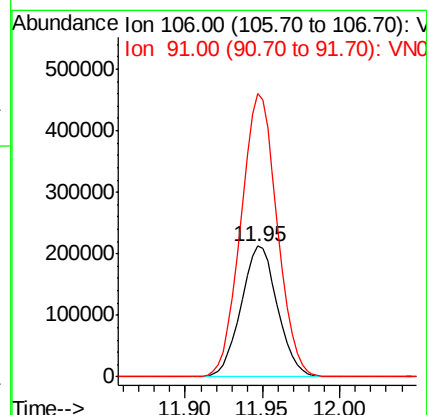
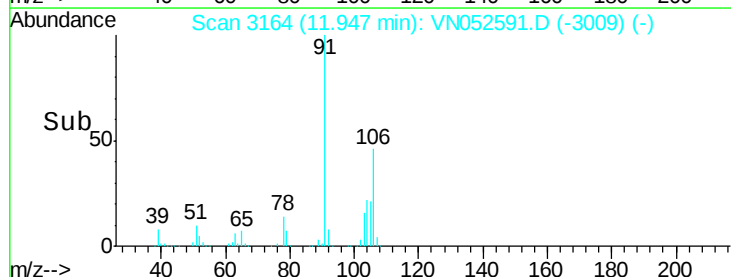
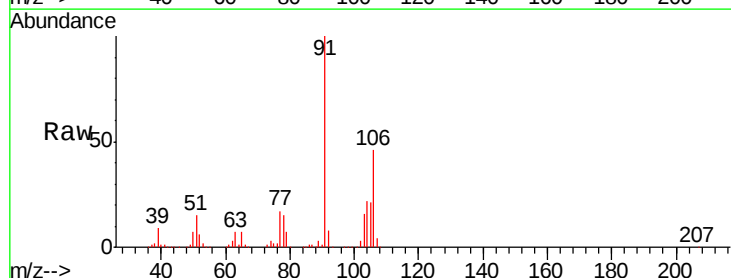
Acq: 30 Nov 2018 3:43

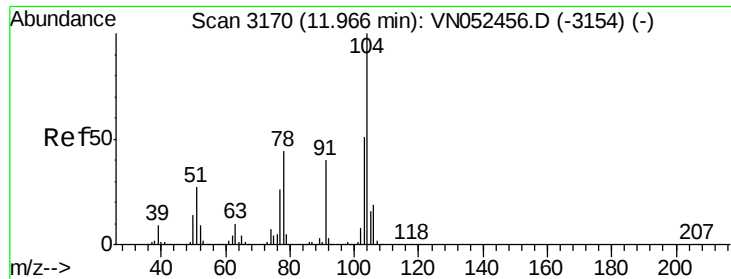
Tgt Ion:106 Resp: 347917

Ion Ratio Lower Upper

106 100

91 215.5 107.8 323.4





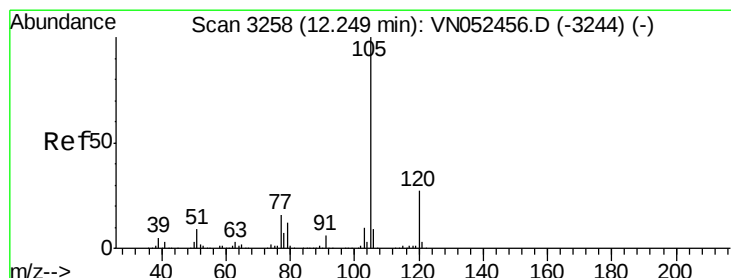
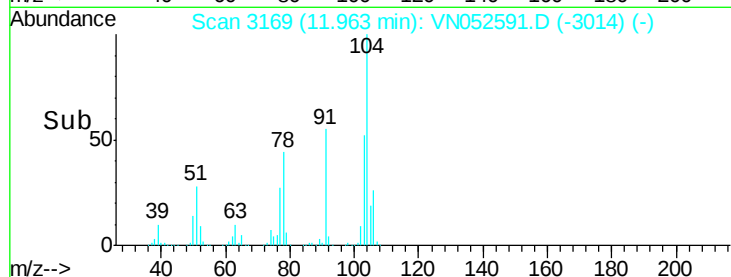
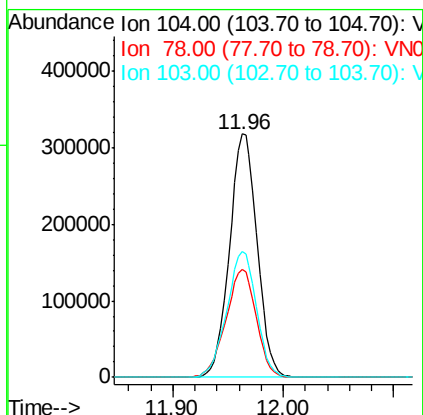
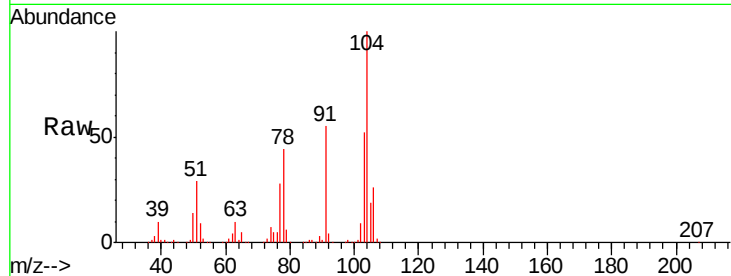
#69
Styrene
Concen: 19.331 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	552152		
78	48.8	39.3	58.9	
103	55.4	44.6	66.8	

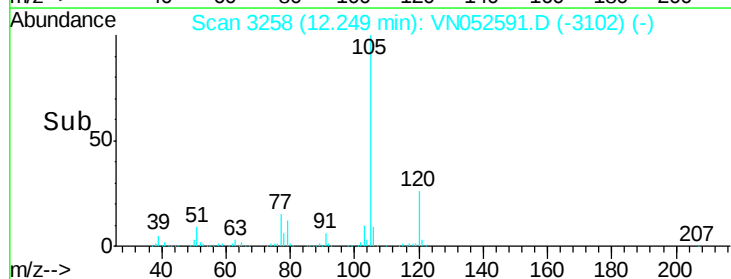
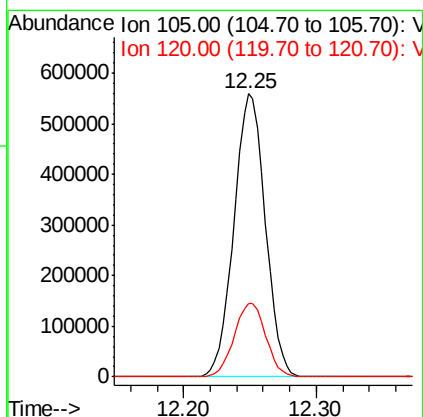
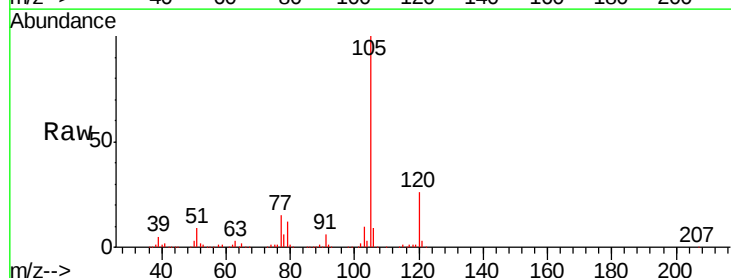
Manual Integrations
APPROVED

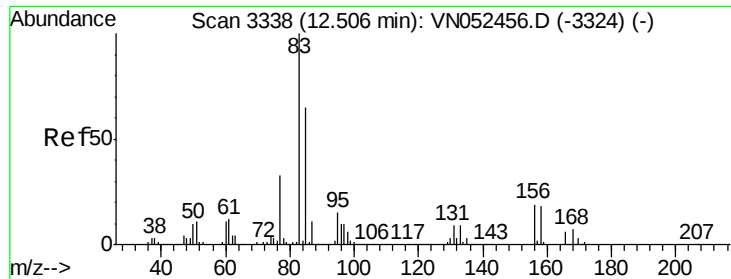
MMDadoda
11/30/2018 11:04:37 AM



#70
Isopropylbenzene
Concen: 19.437 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	915187		
120	26.3	18.6	34.6	





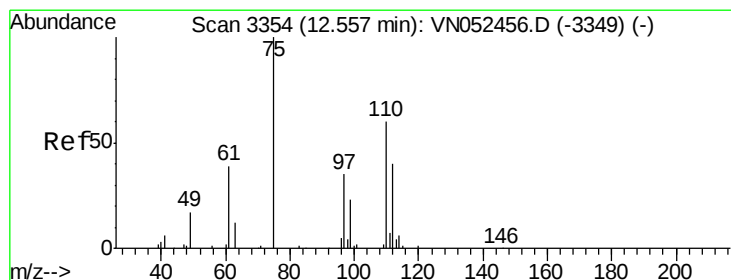
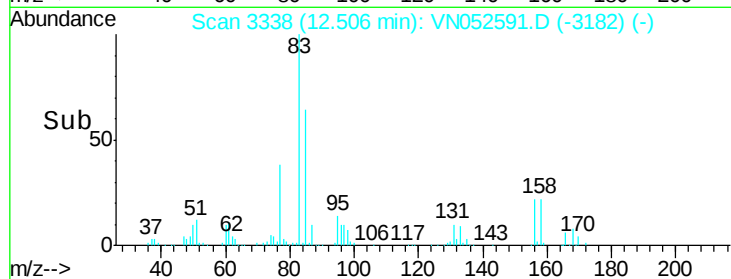
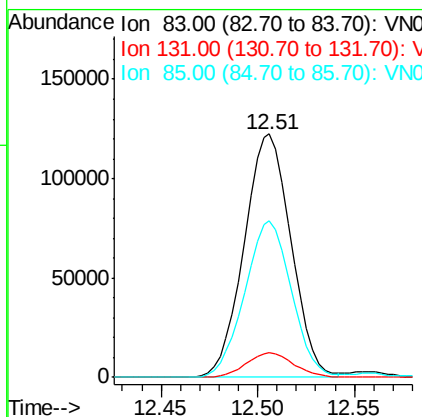
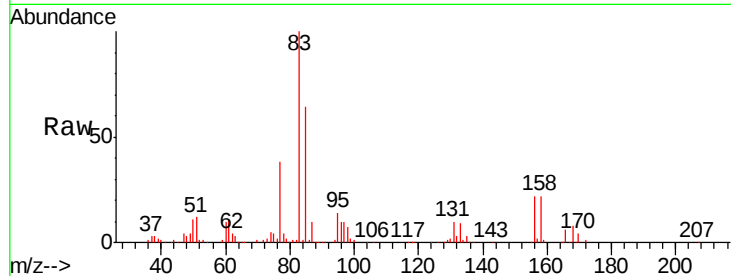
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.170 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.6
85	64.0	32.2	96.6

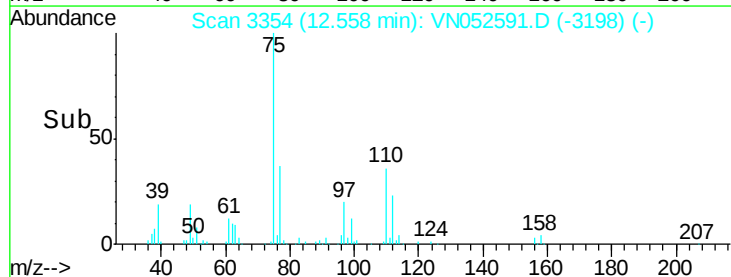
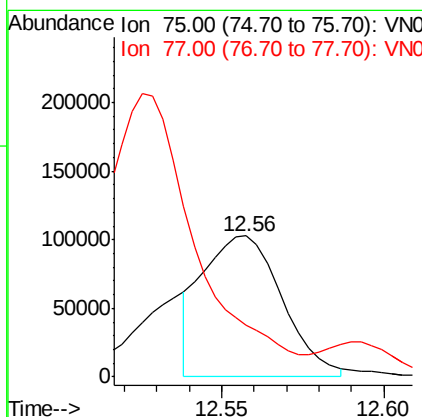
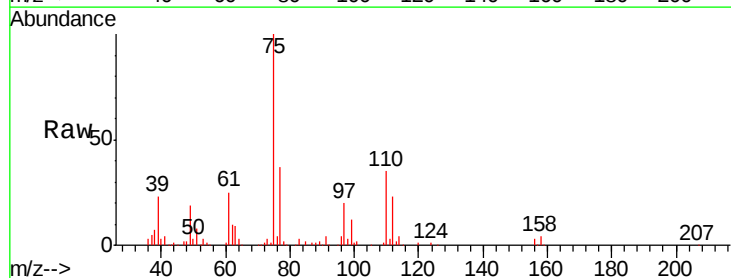
Manual Integrations
 APPROVED

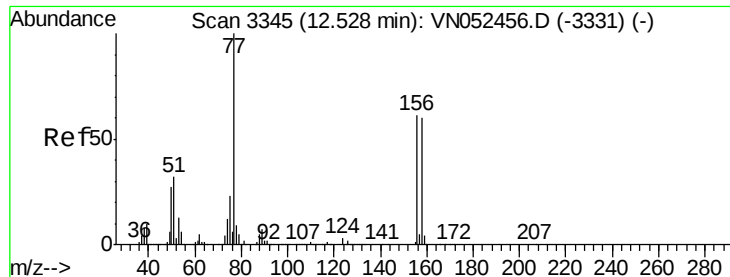
MMDadoda
 11/30/2018 11:04:37 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.898 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	21.8	0.0	514.8





#73

Bromobenzene

Concen: 20.018 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

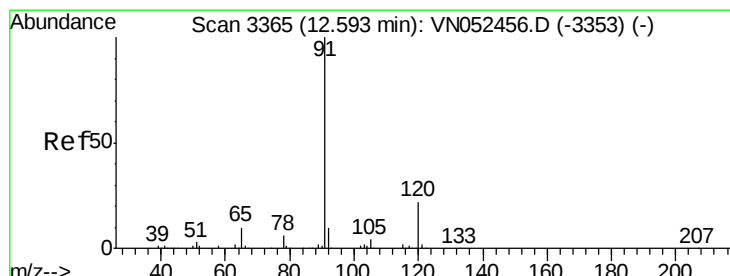
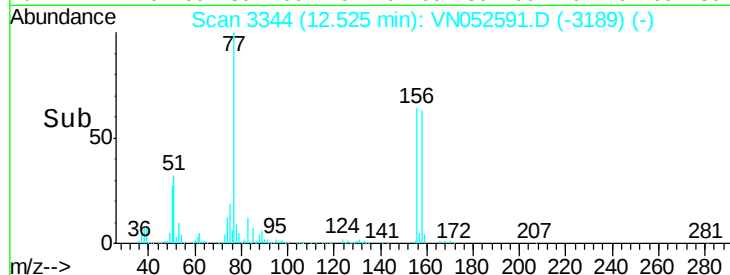
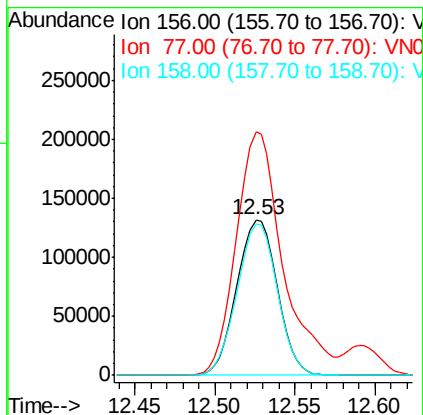
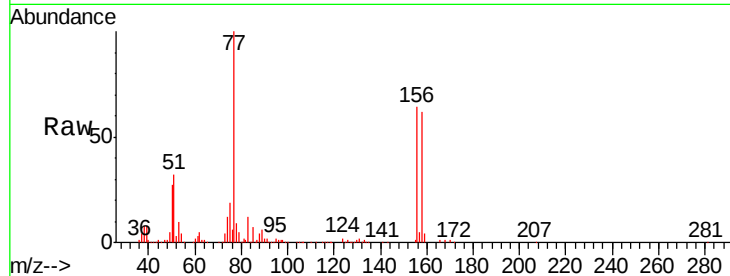
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	156	Resp:	227957
Ion Ratio	Lower	Upper	
156	100		
77	181.0	0.0	382.6
158	97.0	0.0	196.8

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:04:37 AM



#74

n-propylbenzene

Concen: 18.807 ug/l

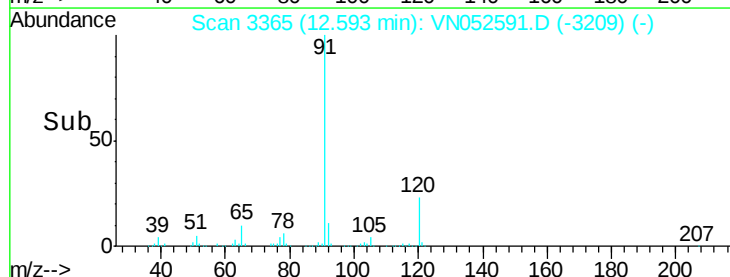
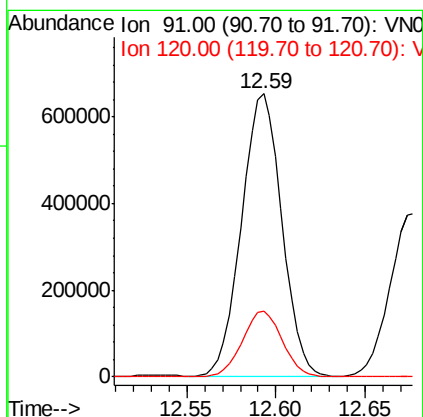
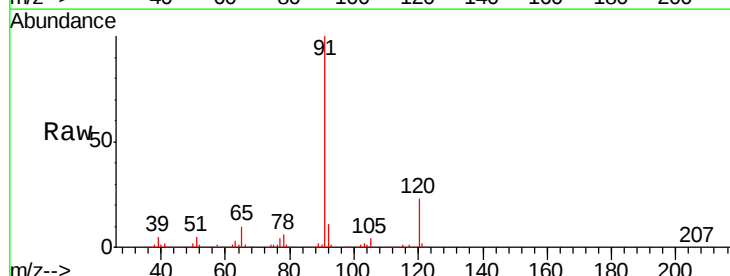
RT: 12.59 min Scan# 3365

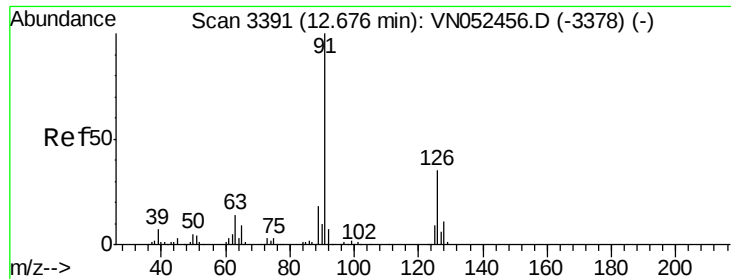
Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Tgt Ion:	91	Resp:	1031741
Ion Ratio	Lower	Upper	
91	100		
120	22.9	0.0	44.6





#75

2-Chlorotoluene

Concen: 19.520 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 91 Resp: 621579

Ion Ratio Lower Upper

91 100

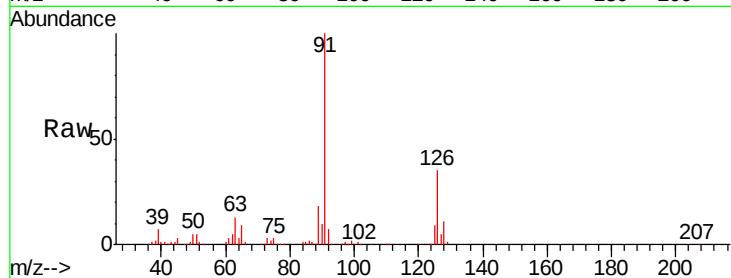
126 34.6 0.0 68.4

Manual Integrations

APPROVED

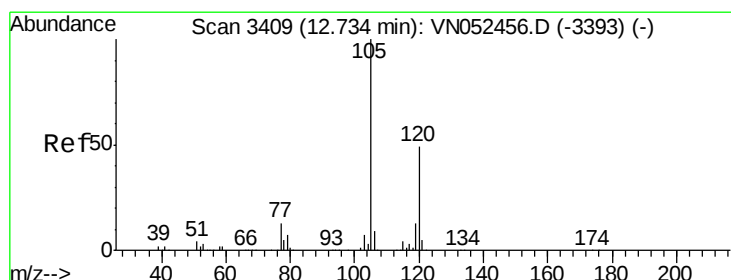
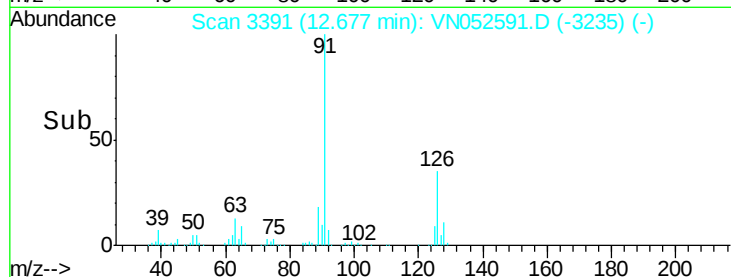
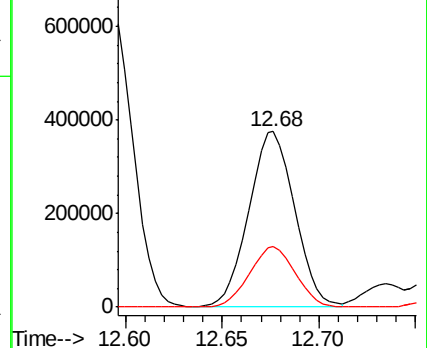
MMDadoda

11/30/2018 11:04:37 AM



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN052456.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.553 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052591.D

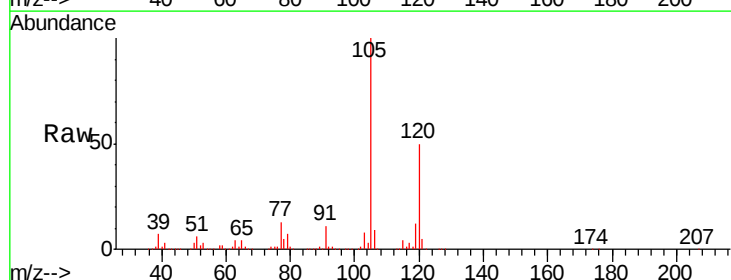
Acq: 30 Nov 2018 3:43

Tgt Ion: 105 Resp: 743614

Ion Ratio Lower Upper

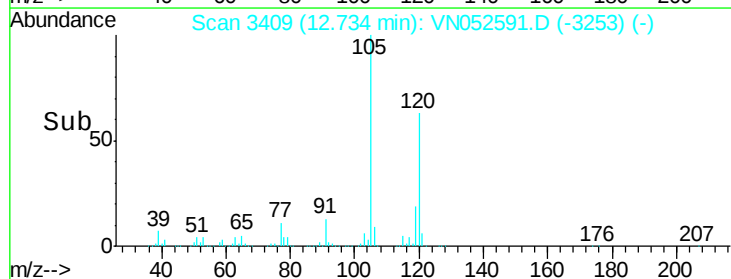
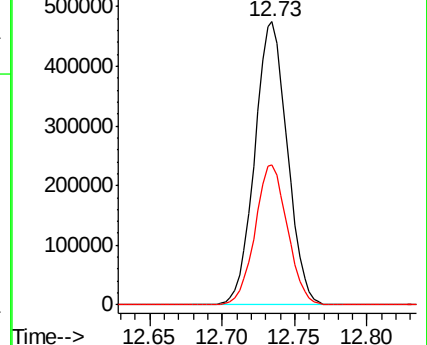
105 100

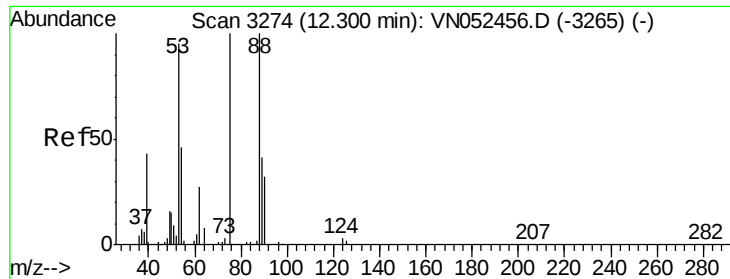
120 48.9 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052456.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN052456.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 16.644 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 75 Resp: 46228
Ion Ratio Lower Upper

75 100

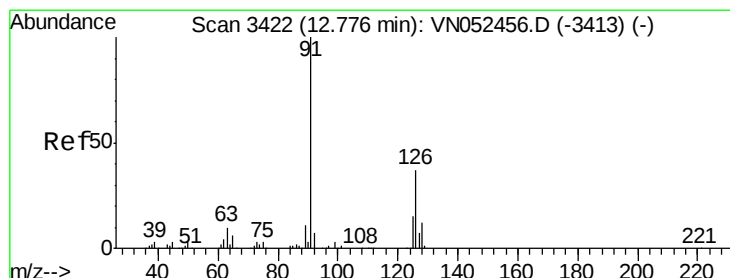
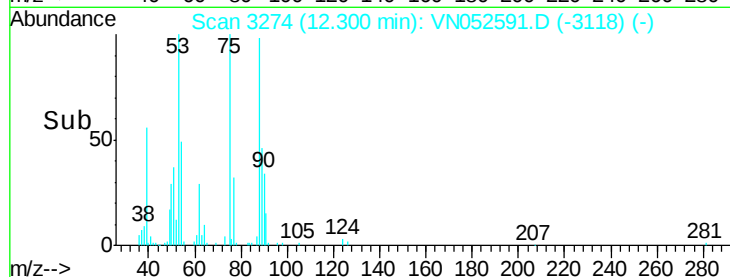
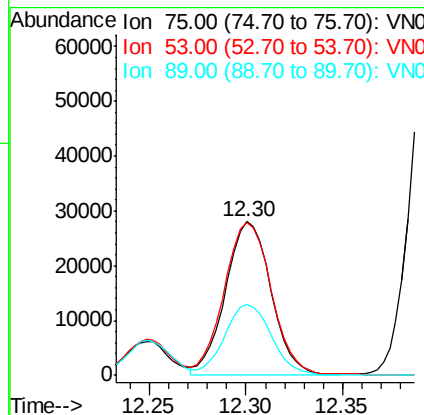
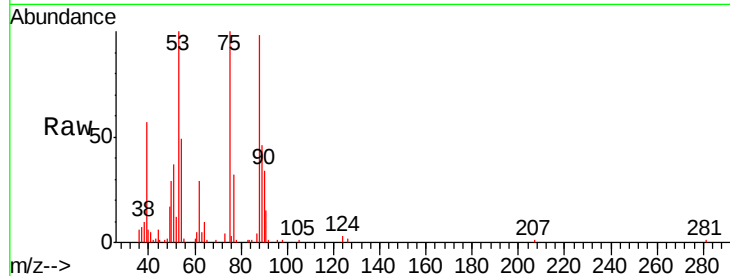
53 99.5 48.5 145.6

89 46.7 21.7 65.1

Manual Integrations
APPROVED

MMDadoda

11/30/2018 11:04:37 AM



#78

4-Chlorotoluene

Concen: 19.169 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

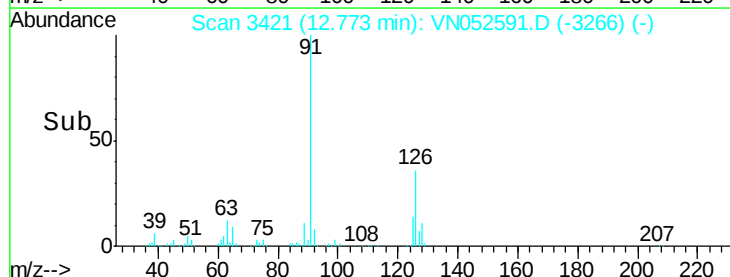
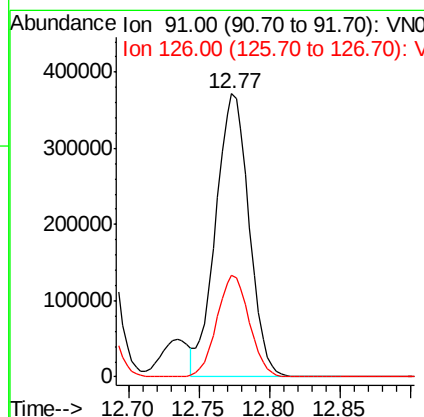
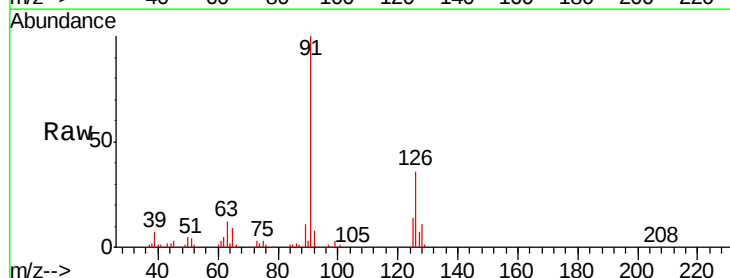
Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Tgt Ion: 91 Resp: 609565
Ion Ratio Lower Upper

91 100

126 34.9 0.0 68.2





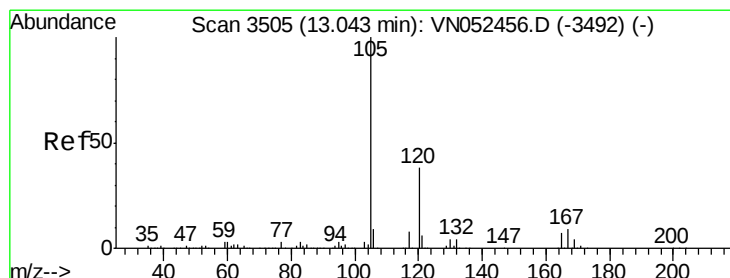
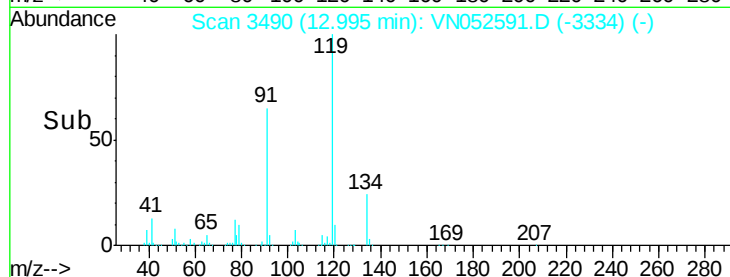
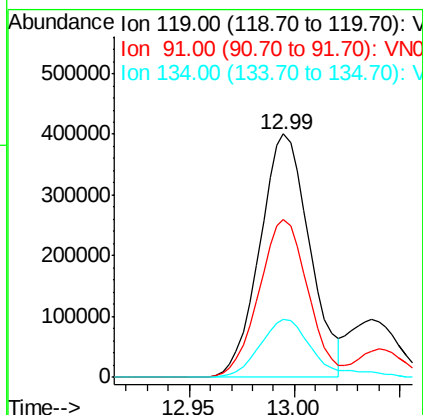
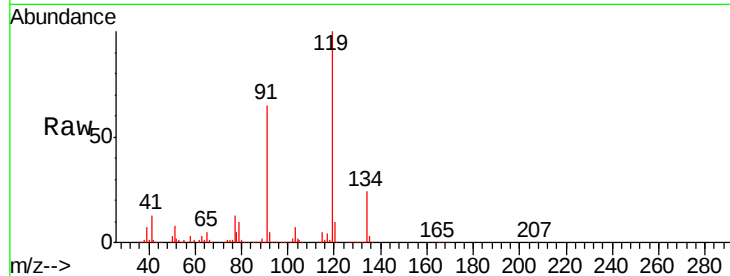
#79
tert-butylbenzene
Concen: 19.850 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	657431		
91	64.1	0.0	129.8	
134	25.8	0.0	52.2	

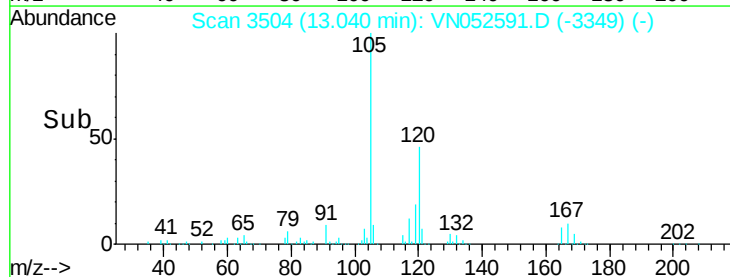
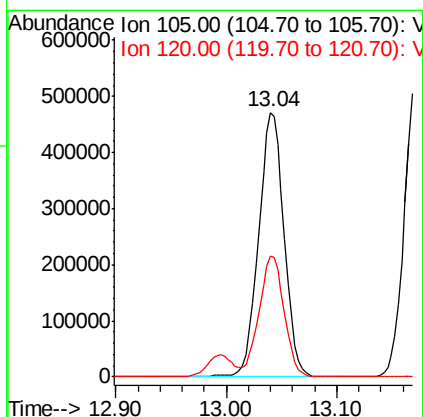
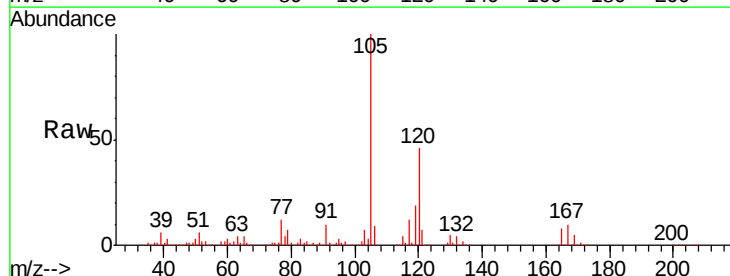
Manual Integrations
APPROVED

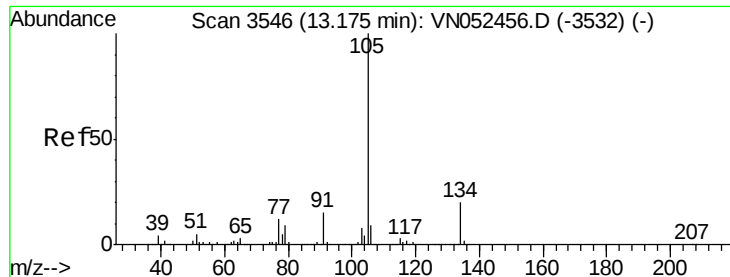
MMDadoda
11/30/2018 11:04:37 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.761 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	751979		
120	45.5	0.0	91.0	





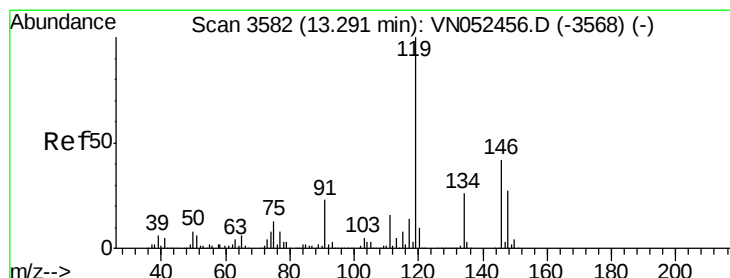
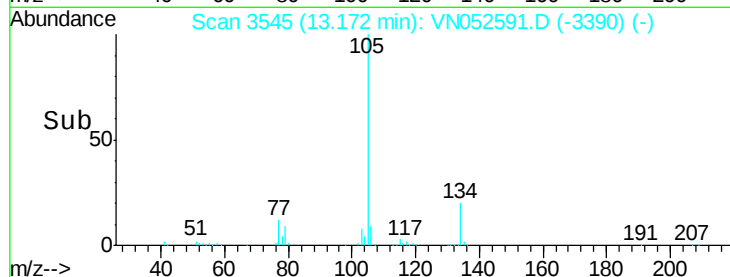
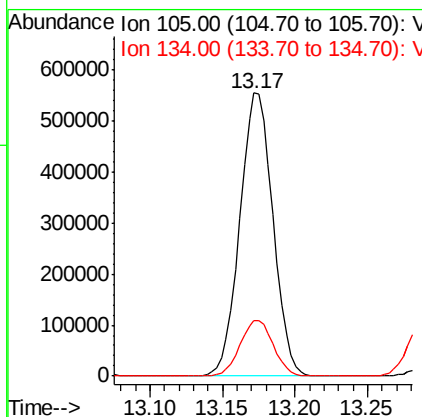
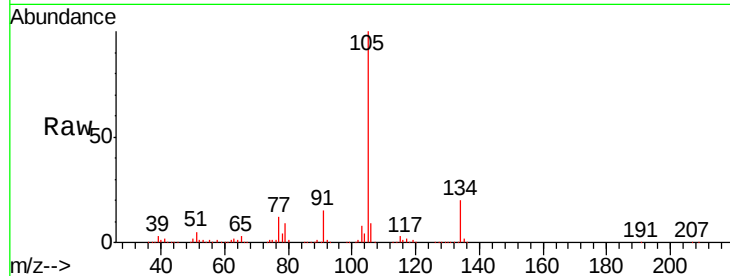
#81
 sec-Butylbenzene
 Concen: 19.075 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.8	0.0	40.4

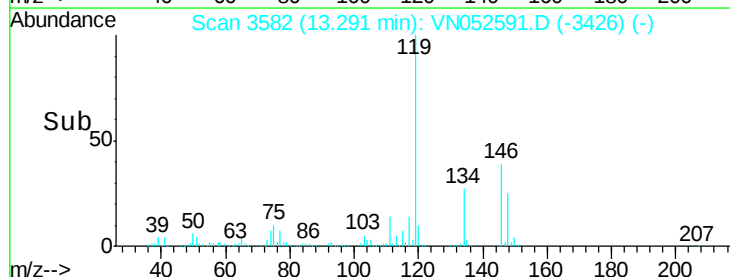
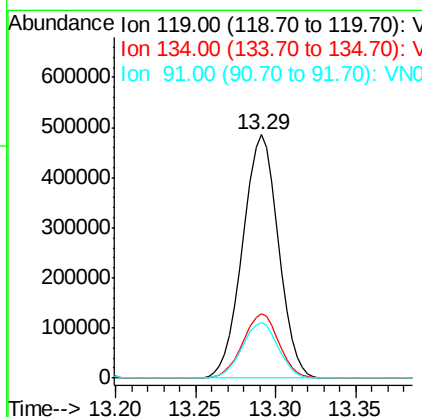
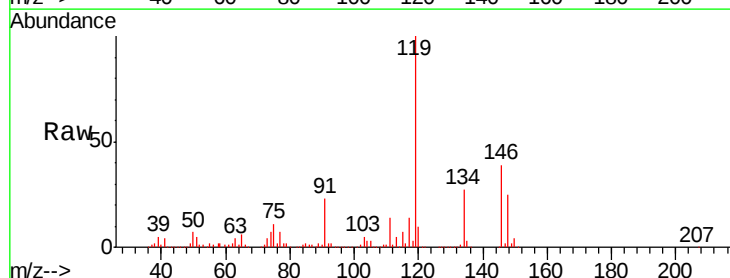
Manual Integrations
 APPROVED

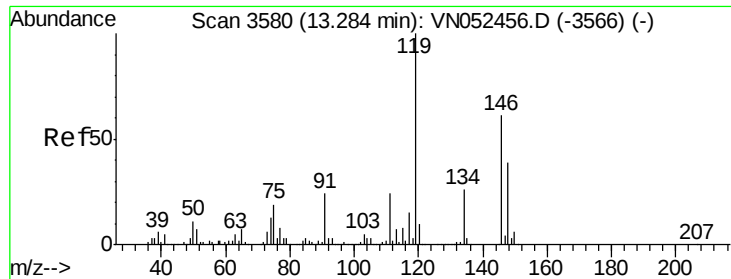
MMDadoda
 11/30/2018 11:04:37 AM



#82
 p-Isopropyltoluene
 Concen: 18.796 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	52.6
91	23.0	0.0	46.2





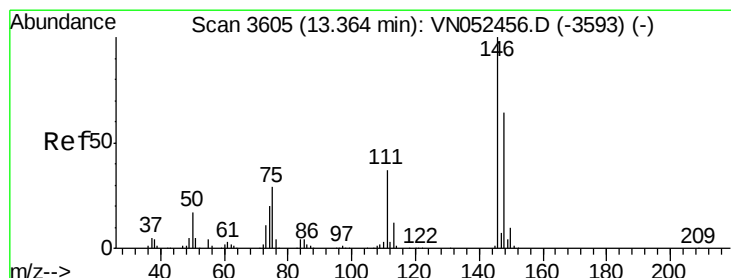
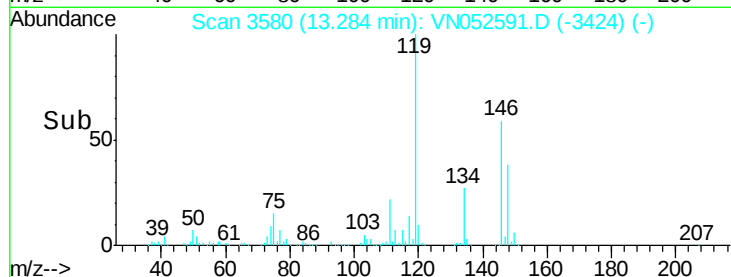
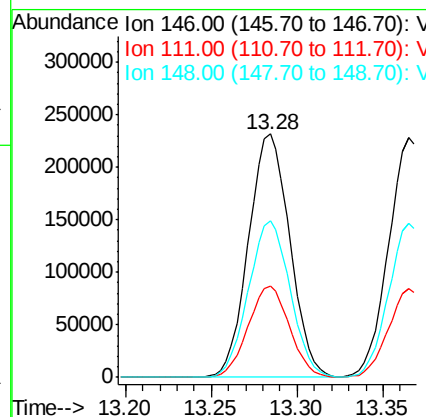
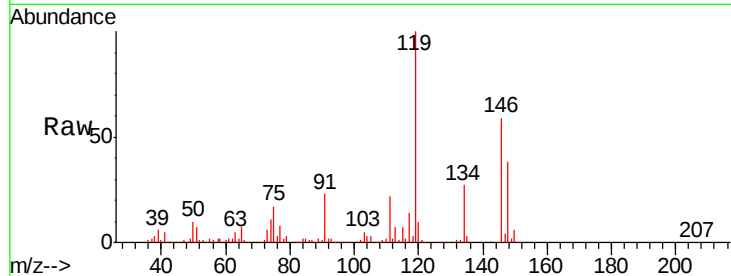
#83
 1,3-Dichlorobenzene
 Concen: 19.266 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.7	59.0
148	64.8	32.3	96.8

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:04:37 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.266 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.8	56.3
148	63.9	32.5	97.4

