

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100219\
 Data File : VN058475.D
 Acq On : 2 Oct 2019 15:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 1:35:39 PM

Quant Time: Oct 03 05:23:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	346076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	579114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	540764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	262172	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	258318	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	7.57	113	188756	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
50) Toluene-d8	10.09	98	724998	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.40	95	269776	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	186547	49.160	ug/l	100
3) Chloromethane	2.03	50	217214	52.067	ug/l	100
4) Vinyl Chloride	2.17	62	211831	51.833	ug/l	99
5) Bromomethane	2.54	94	113449	52.263	ug/l	96
6) Chloroethane	2.68	64	130218	53.178	ug/l	94
7) Trichlorofluoromethane	2.99	101	263914	53.513	ug/l	100
8) Diethyl Ether	3.39	74	108448	50.965	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	172620	51.538	ug/l	98
10) Methyl Iodide	3.93	142	196855	53.006	ug/l	99
11) Tert butyl alcohol	4.76	59	174287	310.213	ug/l	98
12) 1,1-Dichloroethene	3.72	96	164458	50.375	ug/l	99
13) Acrolein	3.58	56	68956	385.885	ug/l	98
14) Allyl chloride	4.30	41	308035	51.847	ug/l	98
15) Acrylonitrile	4.96	53	487117	297.490	ug/l	100
16) Acetone	3.79	43	491940	285.348	ug/l	98
17) Carbon Disulfide	4.03	76	428852	49.833	ug/l	98
18) Methyl Acetate	4.30	43	234639	54.113	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	600914	52.167	ug/l	100
20) Methylene Chloride	4.53	84	199555	50.158	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	184361	50.782	ug/l	98
22) Diisopropyl ether	5.93	45	687556	53.778	ug/l	99
23) Vinyl Acetate	5.87	43	2854599	296.117	ug/l	99
24) 1,1-Dichloroethane	5.82	63	383821	53.343	ug/l	99
25) 2-Butanone	6.81	43	712078	300.836	ug/l	99
26) 2,2-Dichloropropane	6.80	77	303386	51.287	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	220982	52.080	ug/l	99
28) Bromochloromethane	7.18	49	157913	54.903	ug/l	96
29) Tetrahydrofuran	7.19	42	446670	297.322	ug/l	100
30) Chloroform	7.35	83	386804	53.050	ug/l	99
31) Cyclohexane	7.64	56	342570	48.945	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	323656	54.055	ug/l	99
36) 1,1-Dichloropropene	7.77	75	292257	52.778	ug/l	99
37) Ethyl Acetate	6.91	43	286049	60.928	ug/l	99
38) Carbon Tetrachloride	7.75	117	268102	53.638	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100219\
 Data File : VN058475.D
 Acq On : 2 Oct 2019 15:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 1:35:39 PM

Quant Time: Oct 03 05:23:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	341364	52.789	ug/l	98
40) Benzene	8.02	78	853654	53.631	ug/l	99
41) Methacrylonitrile	7.16	41	116768m	54.063	ug/l	
42) 1,2-Dichloroethane	8.11	62	330330	53.342	ug/l	99
43) Isopropyl Acetate	8.15	43	470318	53.273	ug/l	100
44) Trichloroethene	8.82	130	205073	52.178	ug/l	97
45) 1,2-Dichloropropane	9.11	63	236328	55.360	ug/l	98
46) Dibromomethane	9.20	93	148772	55.030	ug/l	97
47) Bromodichloromethane	9.39	83	298120	58.202	ug/l	99
48) Methyl methacrylate	9.19	41	235695	58.630	ug/l	98
49) 1,4-Dioxane	9.19	88	84931	1580.030	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1465857	323.241	ug/l	99
52) Toluene	10.15	92	529381	52.839	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	325420	58.370	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	353931	57.191	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	208528	57.162	ug/l	99
56) Ethyl methacrylate	10.43	69	320390	57.879	ug/l	98
57) 1,3-Dichloropropane	10.70	76	370092	56.876	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	645920	292.634	ug/l	98
59) 2-Hexanone	10.75	43	1074269	325.332	ug/l	99
60) Dibromochloromethane	10.90	129	213294	56.534	ug/l	99
61) 1,2-Dibromoethane	11.00	107	212345	56.967	ug/l	100
64) Tetrachloroethene	10.63	164	169401	49.307	ug/l	97
65) Chlorobenzene	11.43	112	560764	52.168	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	201438	55.621	ug/l	99
67) Ethyl Benzene	11.51	91	1052346	54.050	ug/l	98
68) m/p-Xylenes	11.62	106	769110	104.993	ug/l	97
69) o-Xylene	11.95	106	366270	51.941	ug/l	95
70) Styrene	11.97	104	635412	55.466	ug/l	99
71) Bromoform	12.13	173	135224	53.973	ug/l #	99
73) Isopropylbenzene	12.25	105	1018152	52.549	ug/l	100
74) N-amyl acetate	12.07	43	426791	55.370	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	320971	56.023	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	260609m	54.423	ug/l	
77) Bromobenzene	12.53	156	228694	50.339	ug/l	95
78) n-propylbenzene	12.59	91	1220836	55.929	ug/l	99
79) 2-Chlorotoluene	12.68	91	710437	52.730	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	879482	54.226	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	87758	55.660	ug/l	94
82) 4-Chlorotoluene	12.78	91	733654	53.364	ug/l	100
83) tert-Butylbenzene	13.00	119	739706	54.049	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	874456	53.813	ug/l	99
85) sec-Butylbenzene	13.18	105	1018632	56.549	ug/l	99
86) p-Isopropyltoluene	13.29	119	911792	57.504	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	431832	52.421	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	425094	51.866	ug/l	100
89) n-Butylbenzene	13.62	91	820060	57.095	ug/l	99
90) Hexachloroethane	13.88	117	144244	60.547	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	422456	53.373	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61744	61.113	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100219\
Data File : VN058475.D
Acq On : 2 Oct 2019 15:24
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
10/3/2019 1:35:39 PM

Quant Time: Oct 03 05:23:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	243823	55.746	ug/l	100
94) Hexachlorobutadiene	15.01	225	125834	55.974	ug/l	100
95) Naphthalene	15.13	128	670414	52.341	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	234693	53.523	ug/l	98

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

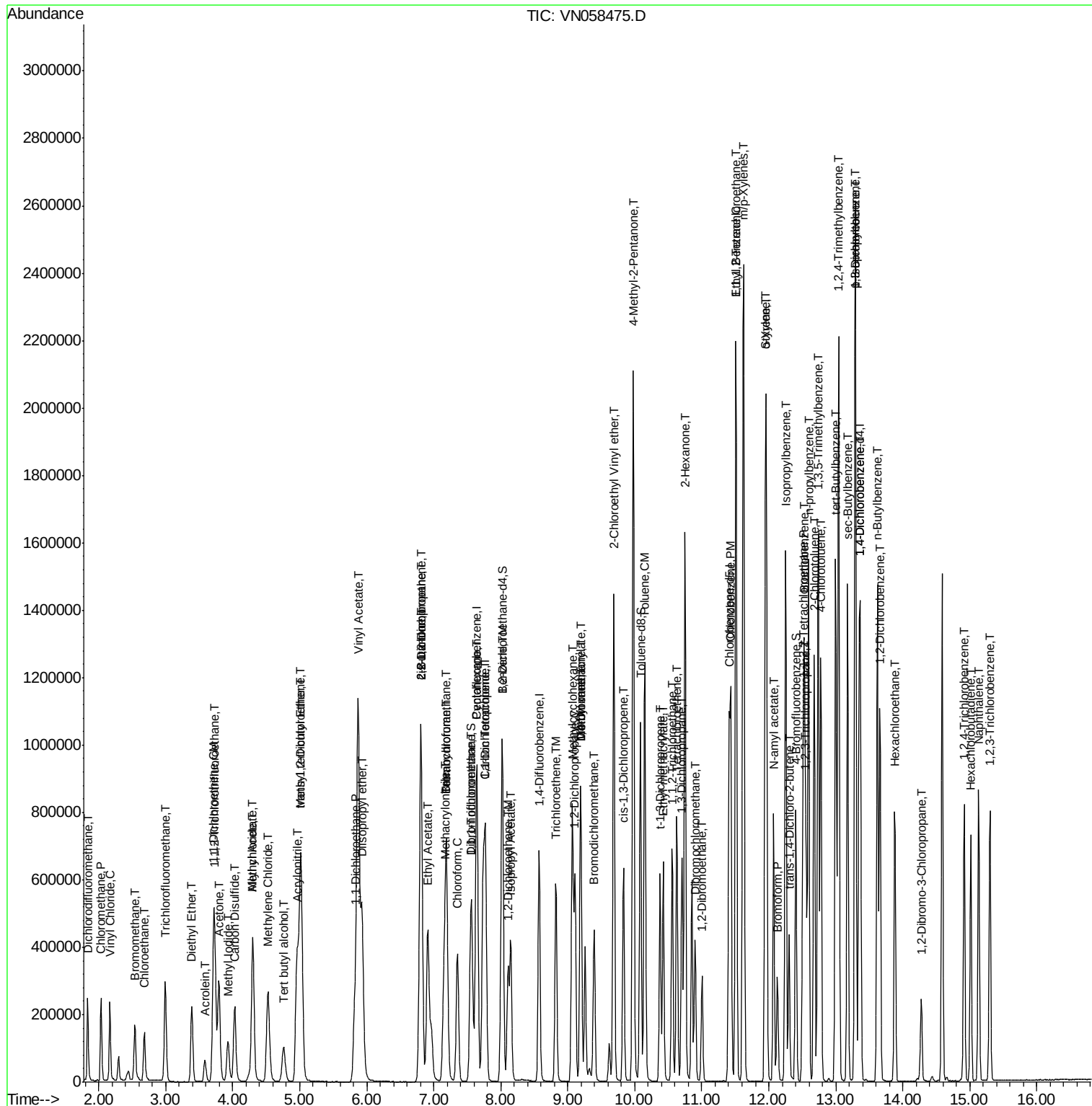
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100219\
Data File : VN058475.D
Acq On : 2 Oct 2019 15:24
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

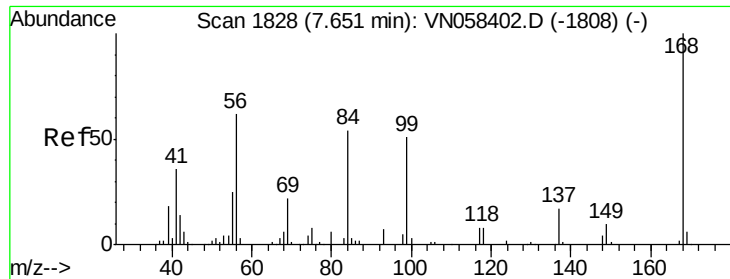
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
10/3/2019 1:35:39 PM

Quant Time: Oct 03 05:23:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 346076

Ion Ratio Lower Upper

168 100

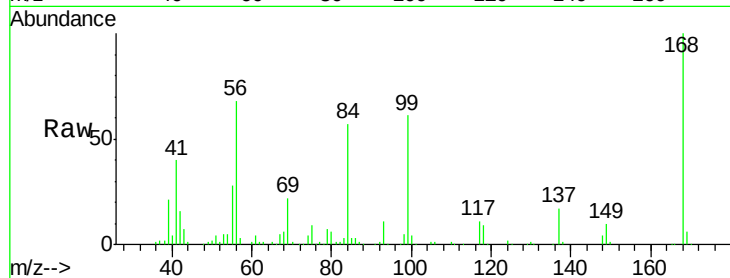
99 60.2 47.7 71.5

Manual Integrations

APPROVED

MMDadoda

10/3/2019 1:35:39 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

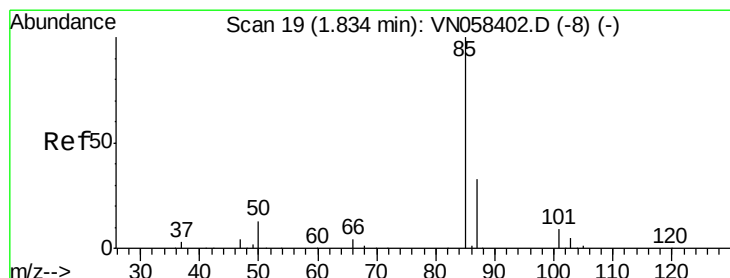
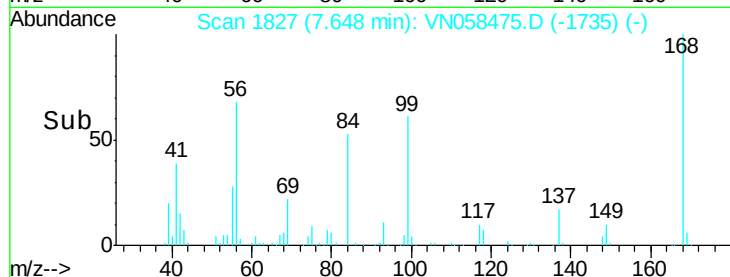
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.160 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058475.D

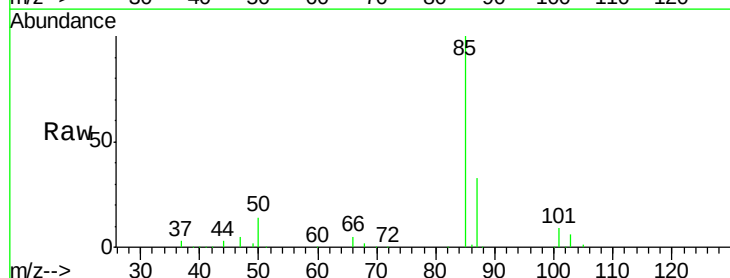
Acq: 2 Oct 2019 15:24

Tgt Ion: 85 Resp: 186547

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

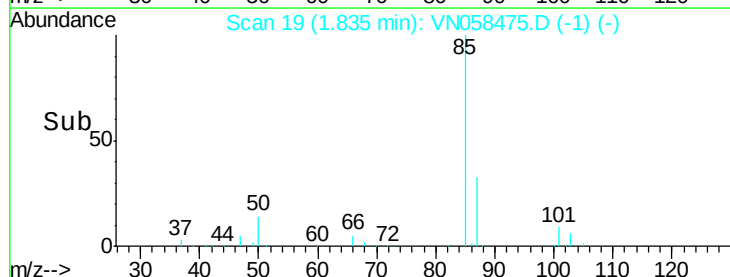
100000

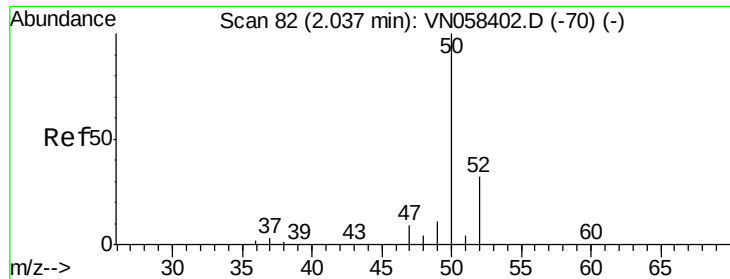
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 52.067 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 217214

Ion Ratio Lower Upper

50 100

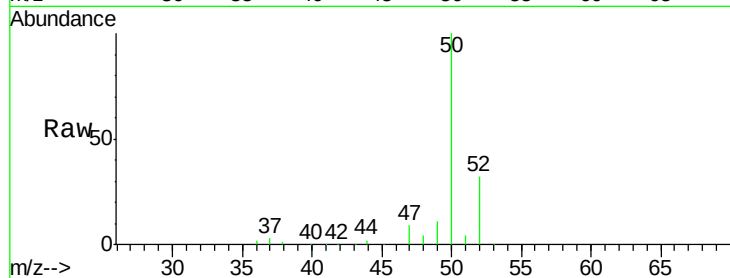
52 32.4 25.9 38.9

Manual Integrations

APPROVED

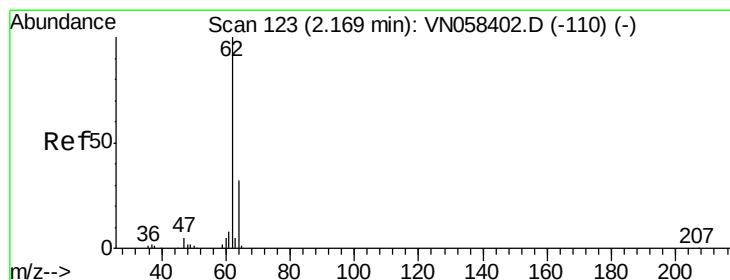
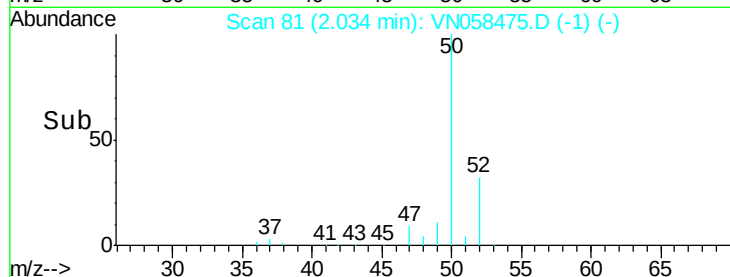
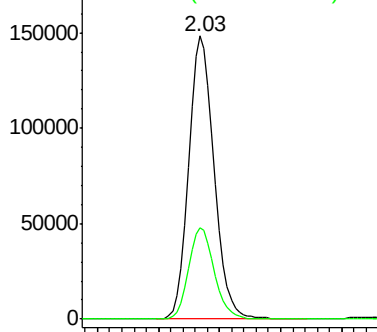
MMDadoda

10/3/2019 1:35:39 PM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 51.833 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058475.D

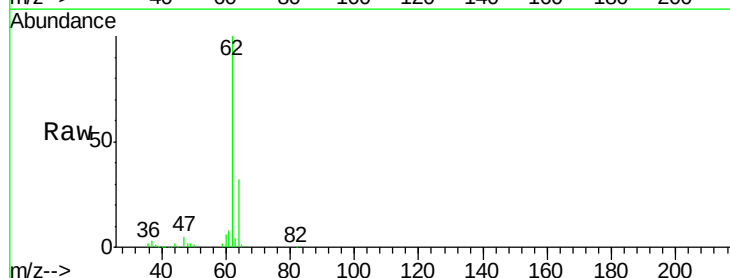
Acq: 2 Oct 2019 15:24

Tgt Ion: 62 Resp: 211831

Ion Ratio Lower Upper

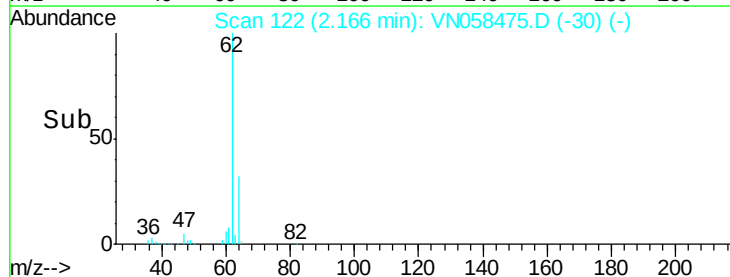
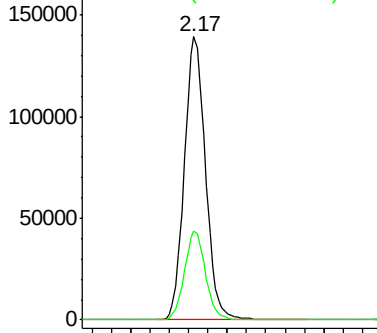
62 100

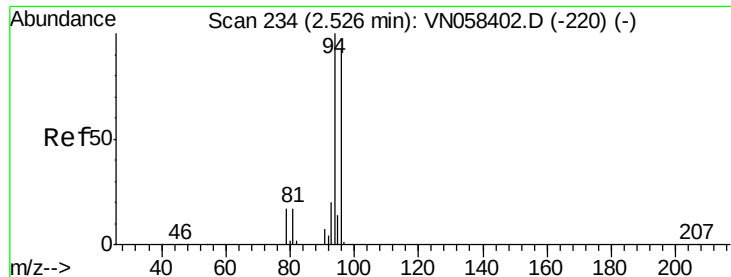
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 52.263 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 113449

Ion Ratio Lower Upper

94 100

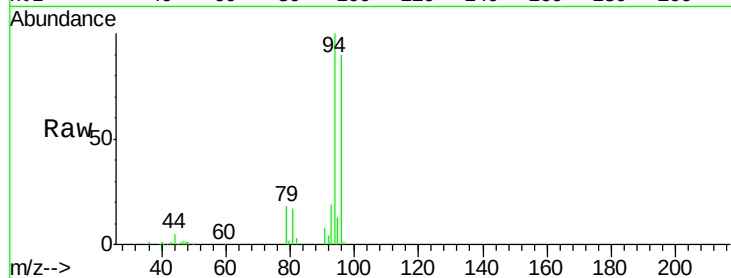
96 89.7 74.8 112.2

Manual Integrations

APPROVED

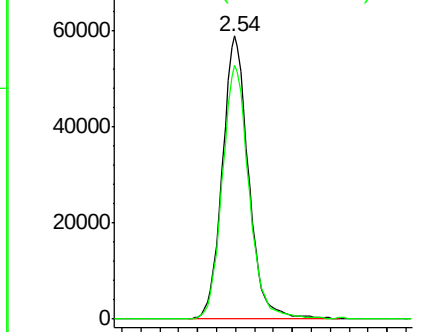
MMDadoda

10/3/2019 1:35:39 PM

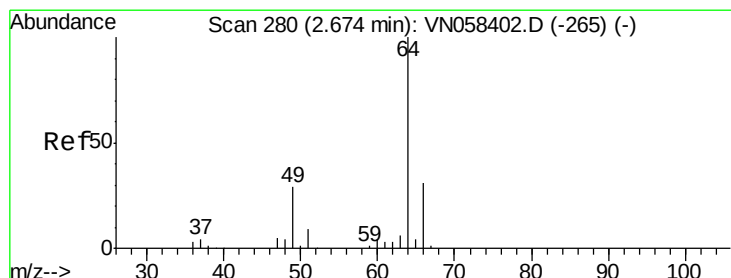
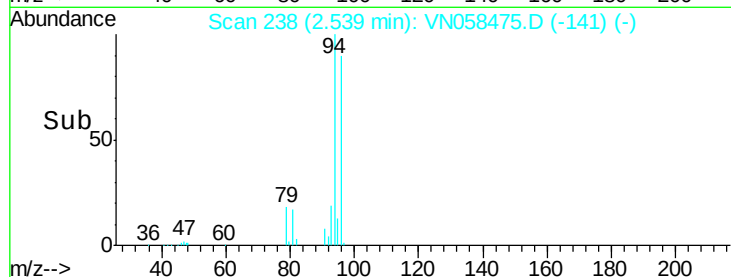


Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



Time-->



#6

Chloroethane

Concen: 53.178 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN058475.D

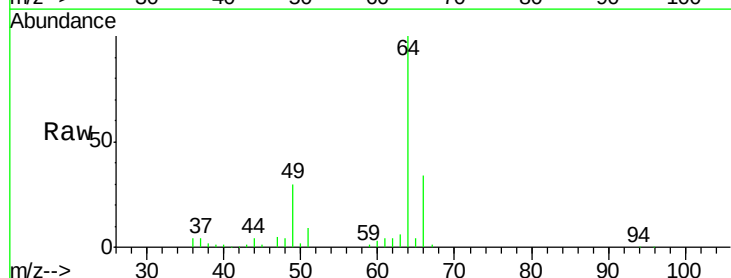
Acq: 2 Oct 2019 15:24

Tgt Ion: 64 Resp: 130218

Ion Ratio Lower Upper

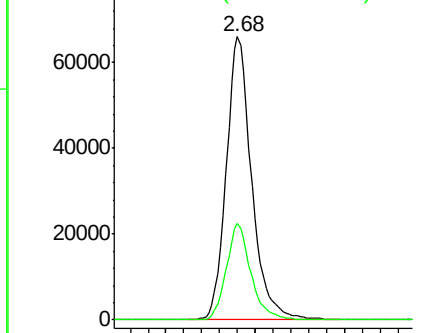
64 100

66 33.9 24.4 36.6

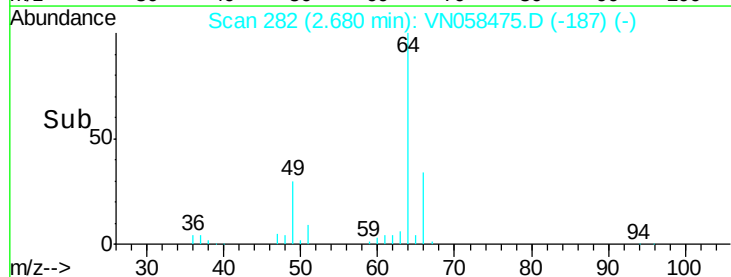


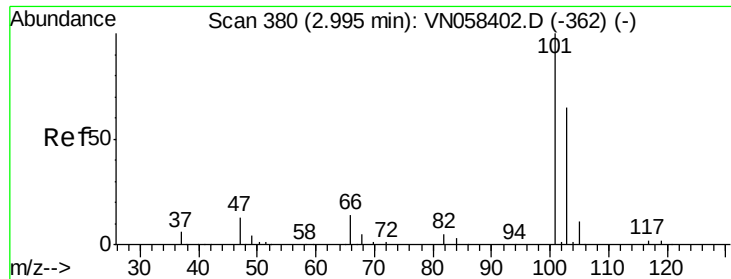
Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



Time-->





#7

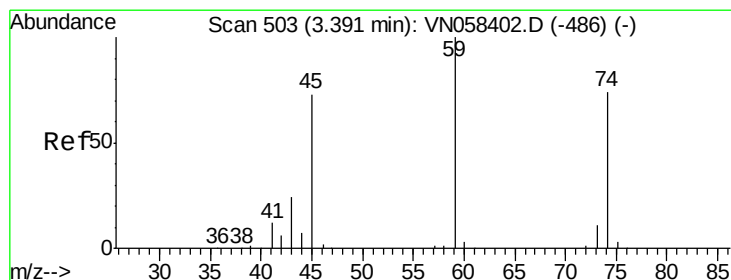
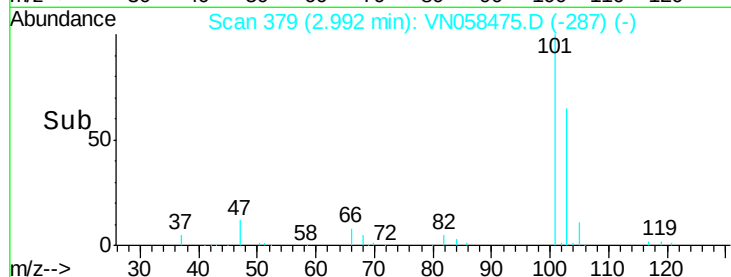
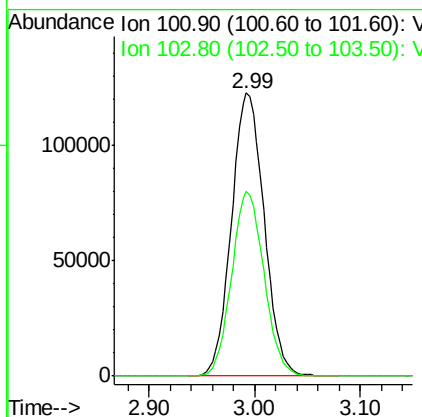
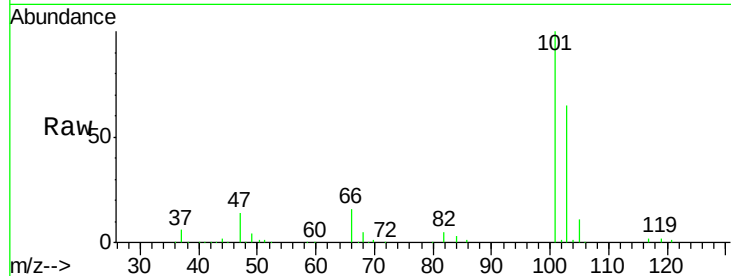
Trichlorofluoromethane
 Concen: 53.513 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		263914		
103	65.4	52.3	78.5		

Manual Integrations
 APPROVED

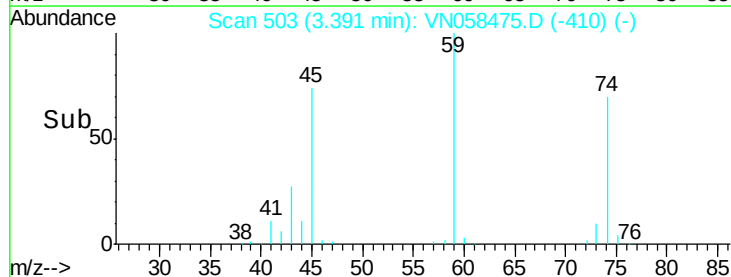
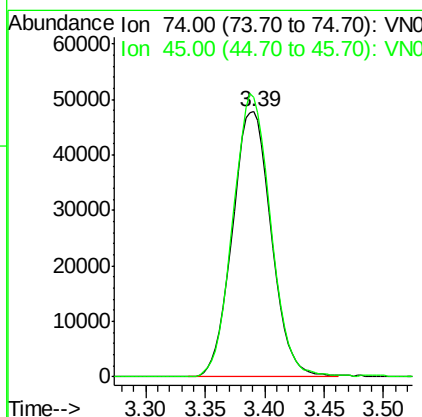
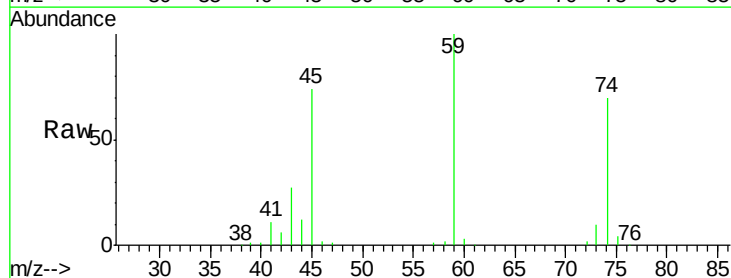
MMDadoda
 10/3/2019 1:35:39 PM

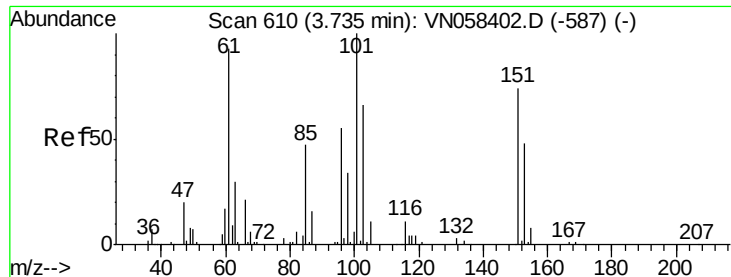


#8

Diethyl Ether
 Concen: 50.965 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		108448		
45	103.6	50.5	151.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.538 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

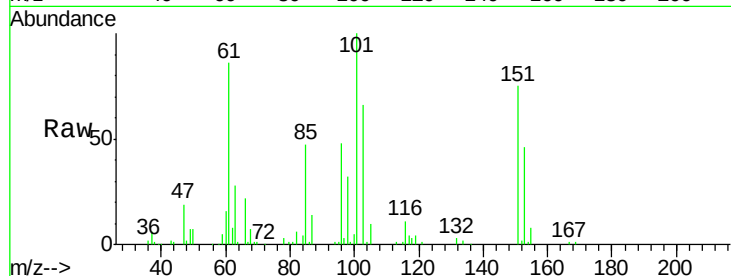
ClientSampleId :

VSTDCCC050

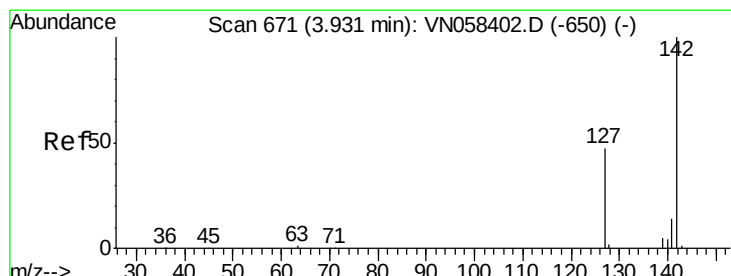
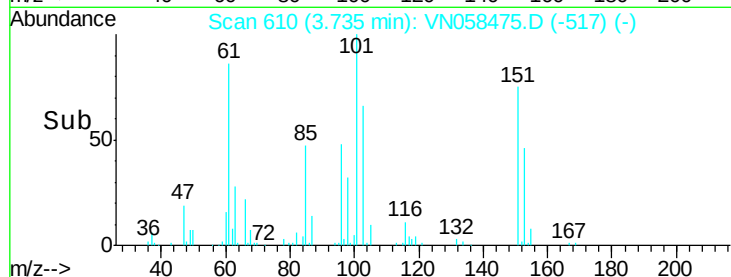
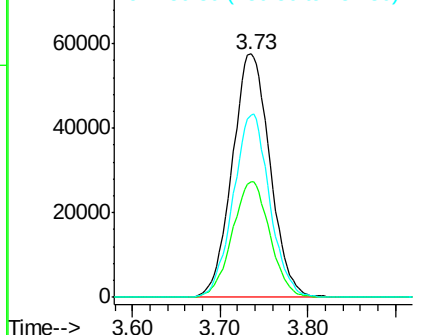
Tot Ion:	101	Resp:	172620
Ion Ratio	Lower	Upper	
101	100		
85	47.2	36.7	55.1
151	72.6	59.4	89.0

Manual Integrations
APPROVED

MMDadoda
10/3/2019 1:35:39 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.006 ug/l

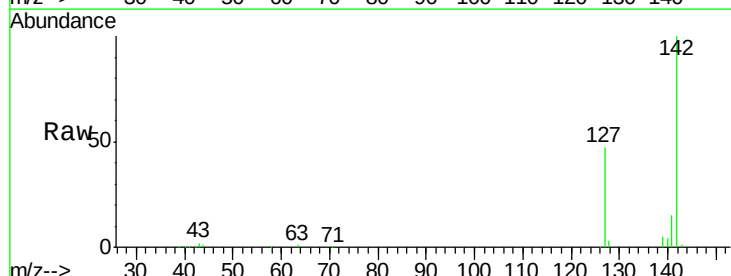
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

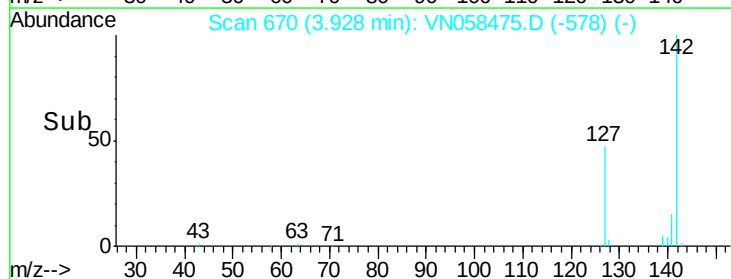
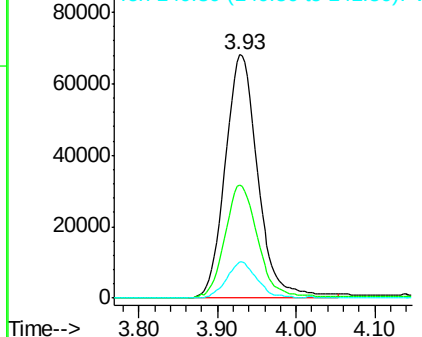
Lab File: VN058475.D

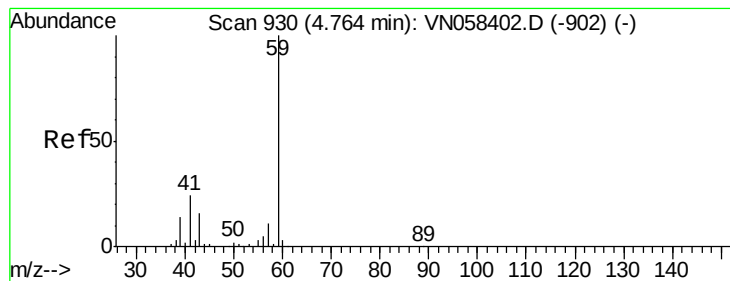
Acq: 2 Oct 2019 15:24

Tgt Ion:	142	Resp:	196855
Ion Ratio	Lower	Upper	
142	100		
127	46.9	37.2	55.8
141	13.9	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

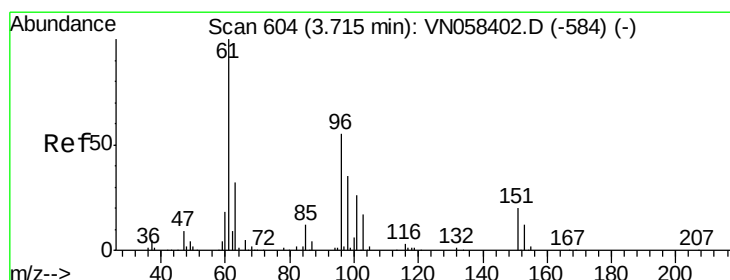
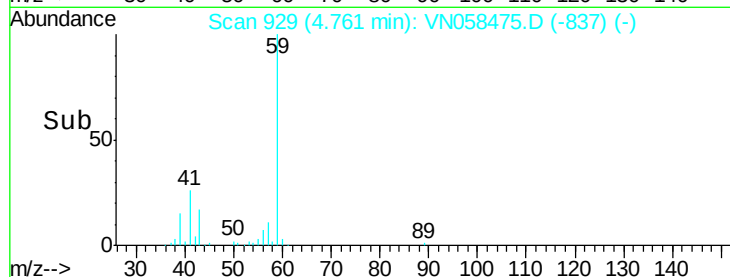
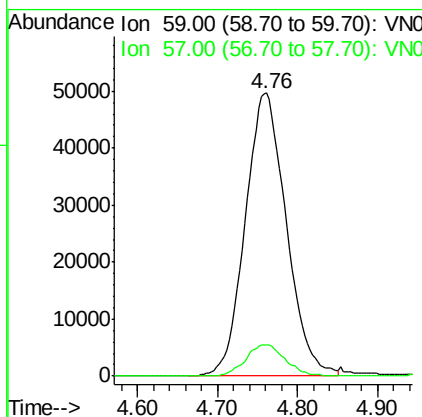
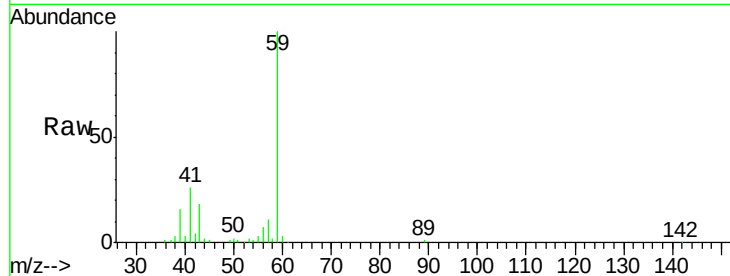
Tert butyl alcohol
 Concen: 310.213 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.0	13.4

Manual Integrations
 APPROVED

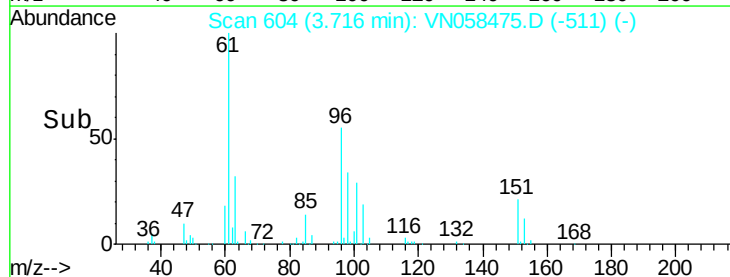
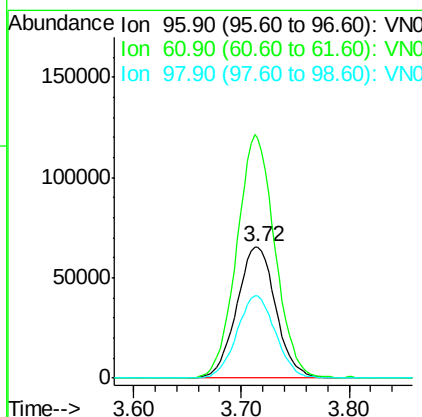
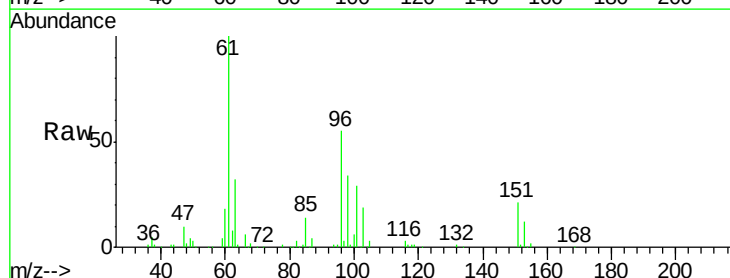
MMDadoda
 10/3/2019 1:35:39 PM

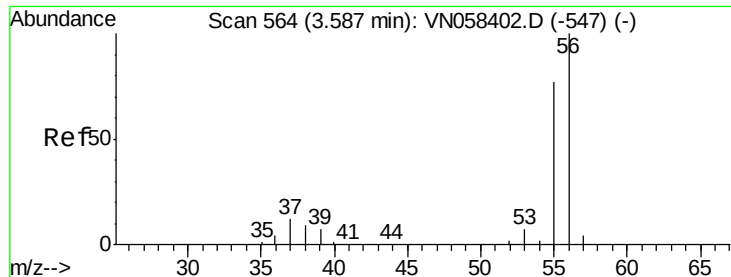


#12

1,1-Dichloroethene
 Concen: 50.375 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.8	146.7	220.1
98	62.8	51.3	76.9





#13

Acrolein

Concen: 385.885 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 68956

Ion Ratio Lower Upper

56 100

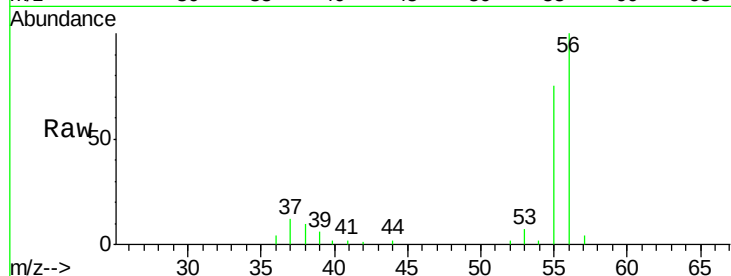
55 74.8 58.3 87.5

Manual Integrations

APPROVED

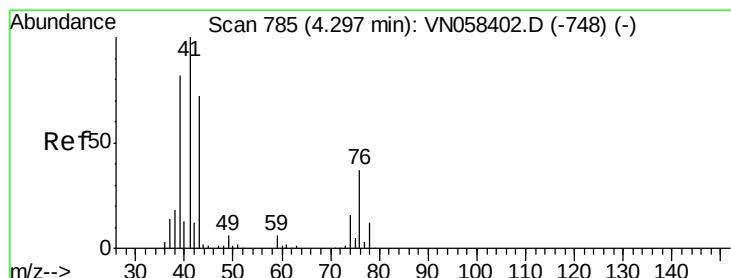
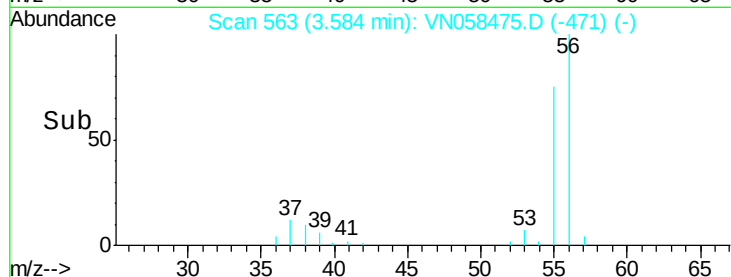
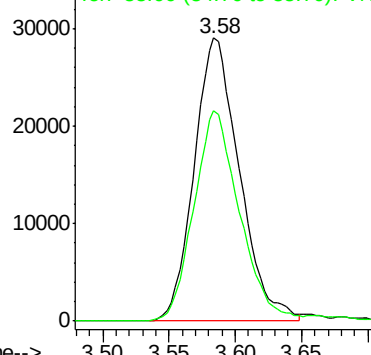
MMDadoda

10/3/2019 1:35:39 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.847 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

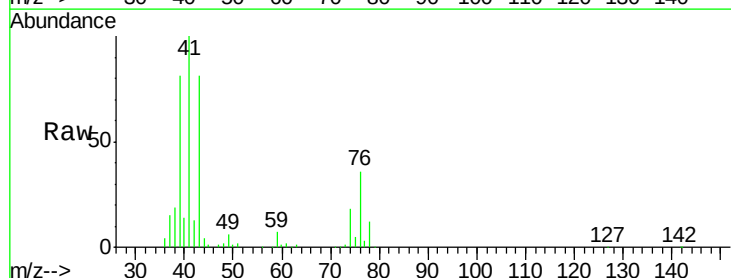
Tgt Ion: 41 Resp: 308035

Ion Ratio Lower Upper

41 100

39 76.6 62.3 93.5

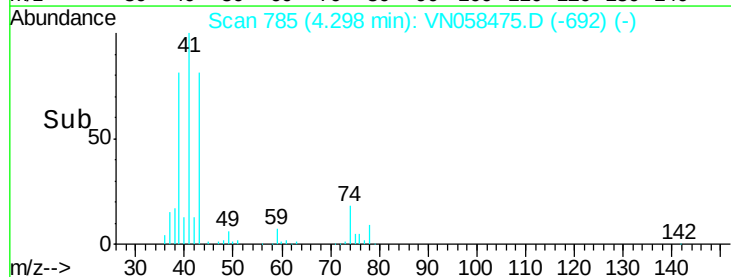
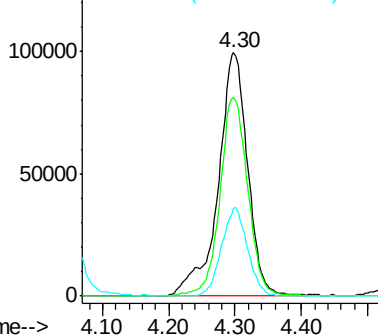
76 32.0 26.9 40.3

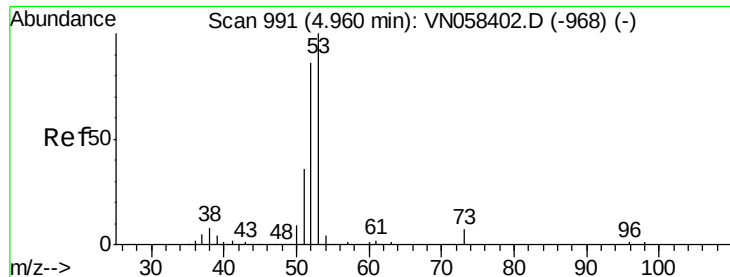


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 297.490 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

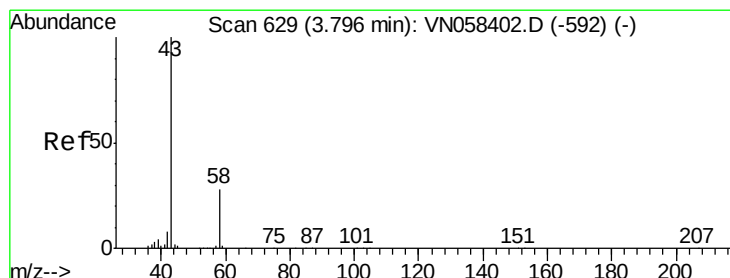
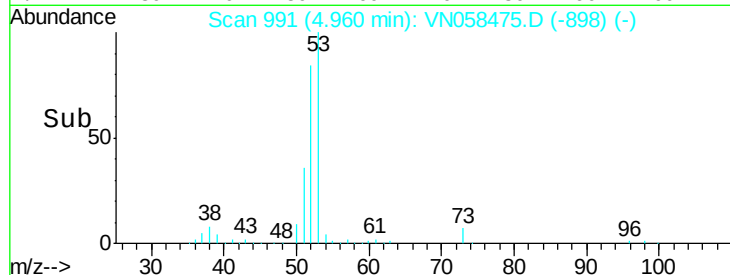
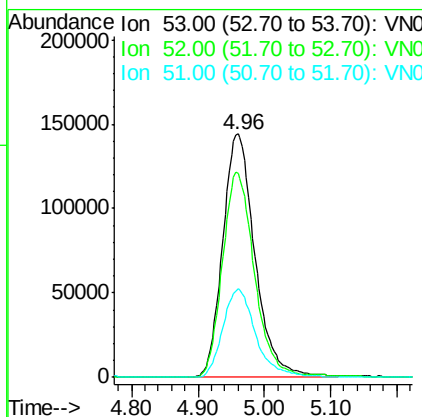
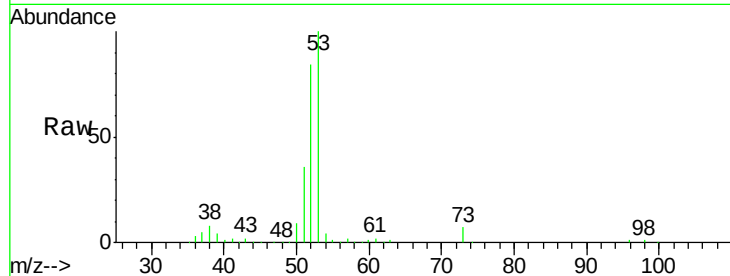
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	487117
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	37.2	29.8	44.8

Manual Integrations
APPROVED

MMDadoda
10/3/2019 1:35:39 PM



#16

Acetone

Concen: 285.348 ug/l

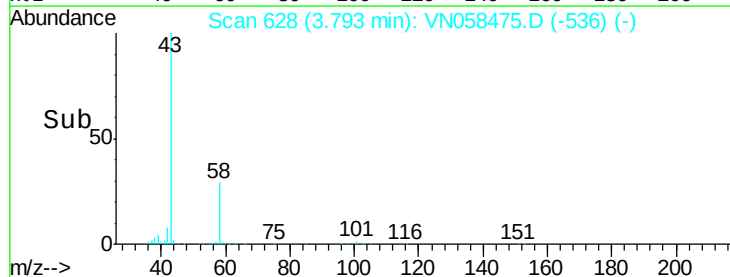
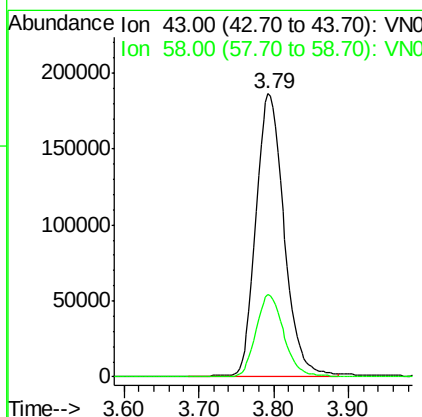
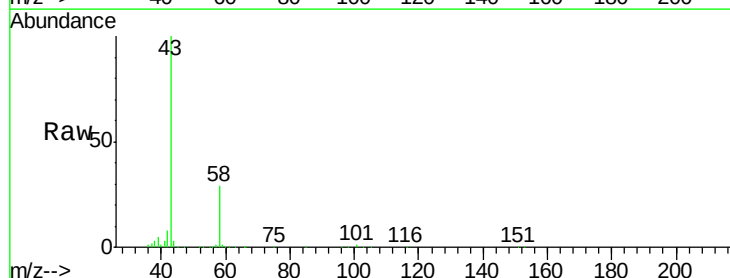
RT: 3.79 min Scan# 628

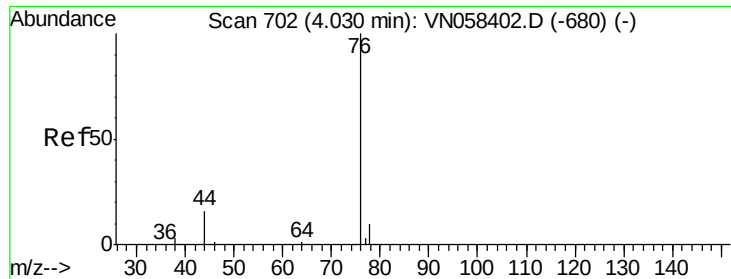
Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Tgt Ion:	43	Resp:	491940
Ion	Ratio	Lower	Upper
43	100		
58	29.1	22.4	33.6





#17

Carbon Disulfide

Concen: 49.833 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 428852

Ion Ratio Lower Upper

76 100

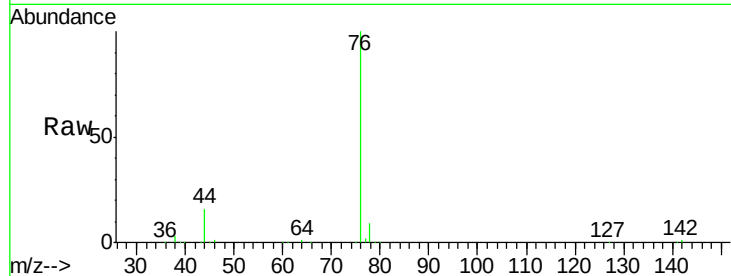
78 9.0 7.7 11.5

Manual Integrations

APPROVED

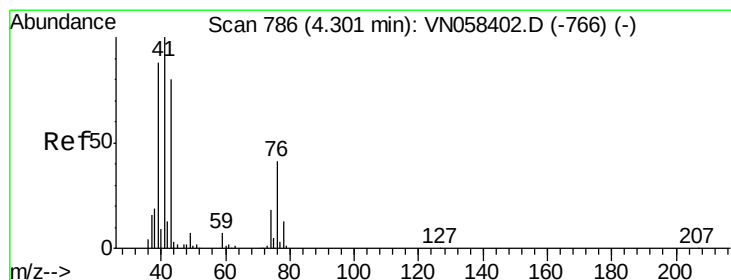
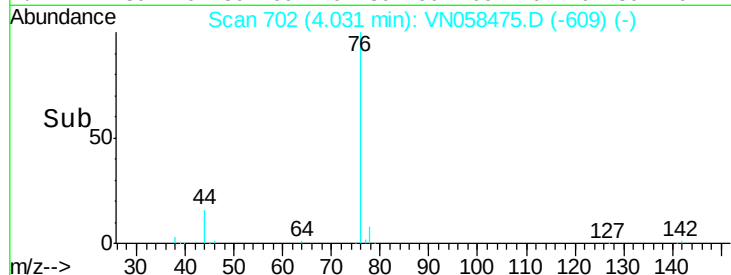
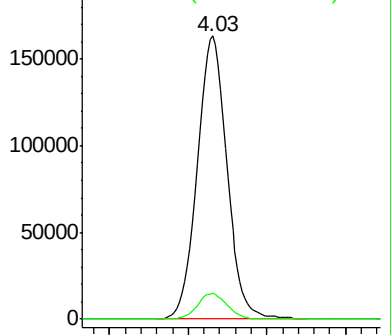
MMDadoda

10/3/2019 1:35:39 PM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 54.113 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058475.D

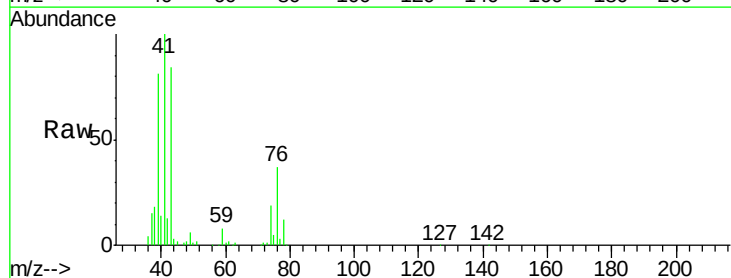
Acq: 2 Oct 2019 15:24

Tgt Ion: 43 Resp: 234639

Ion Ratio Lower Upper

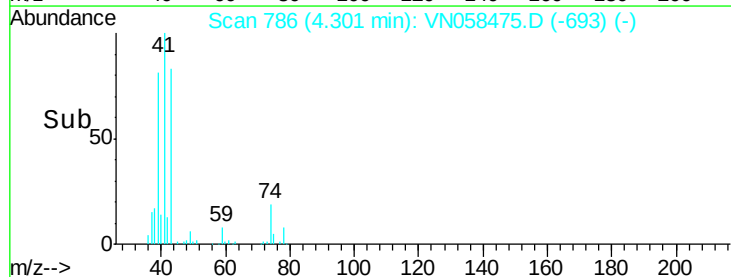
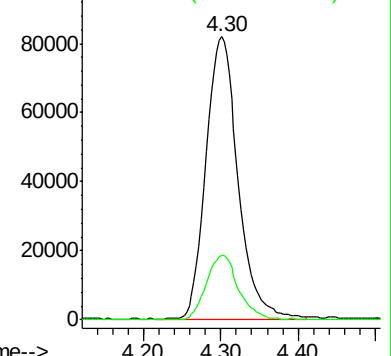
43 100

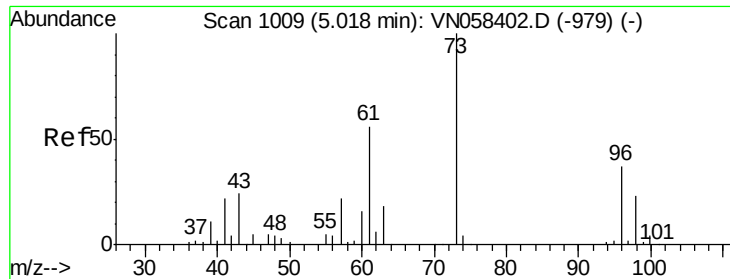
74 23.1 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





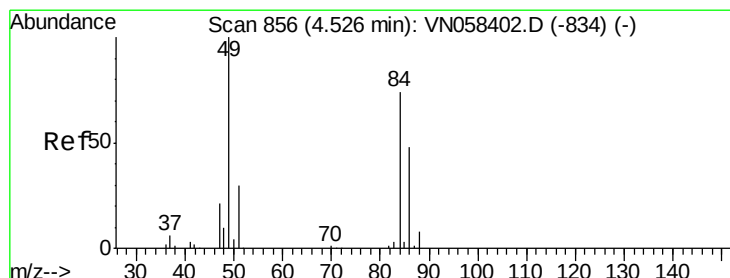
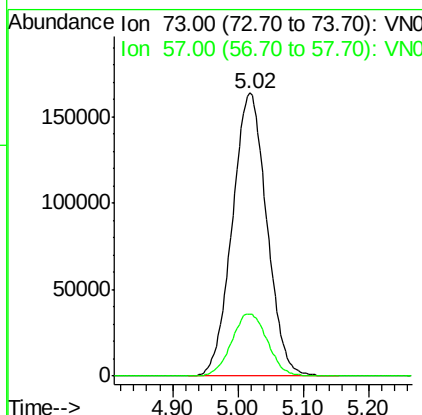
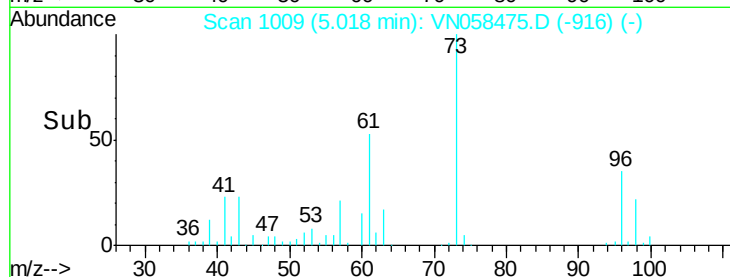
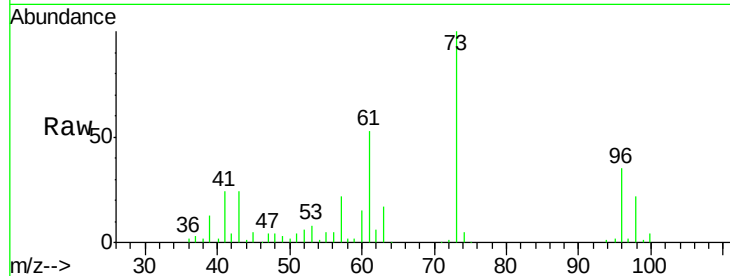
#19
Methvl tert-butyl Ether
Concen: 52.167 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 600914
Ion Ratio Lower Upper
73 100
57 22.1 17.6 26.4

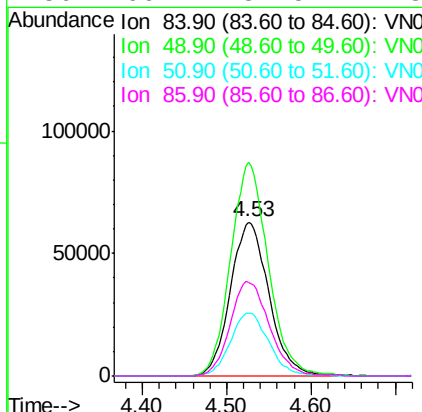
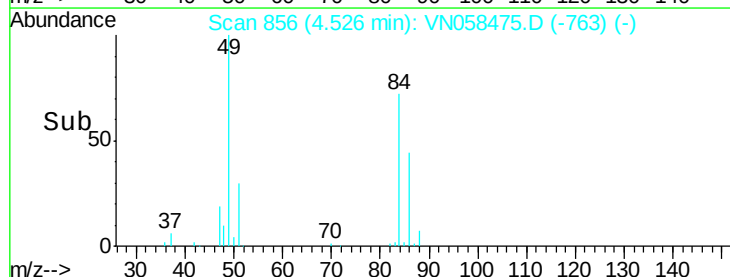
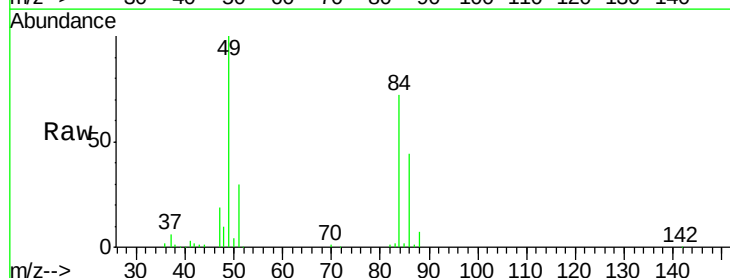
Manual Integrations
APPROVED

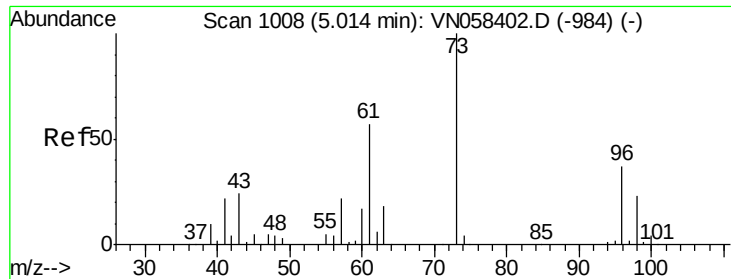
MMDadoda
10/3/2019 1:35:39 PM



#20
Methylene Chloride
Concen: 50.158 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion: 84 Resp: 199555
Ion Ratio Lower Upper
84 100
49 138.8 107.9 161.9
51 41.0 32.8 49.2
86 60.7 51.5 77.3





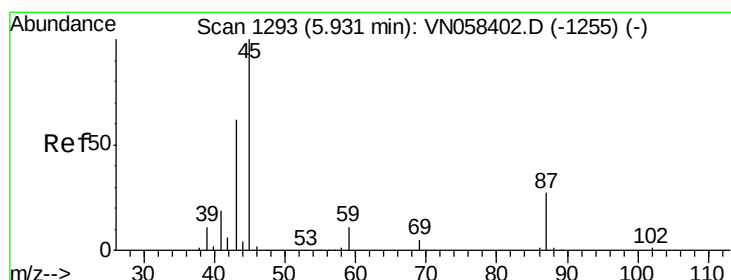
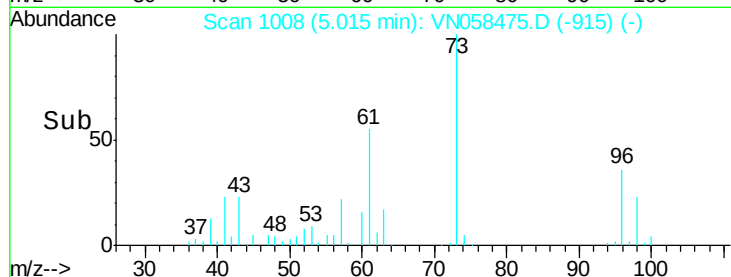
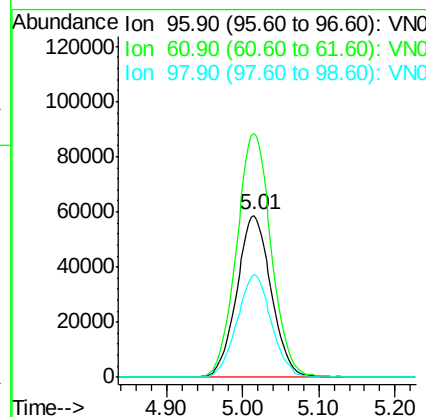
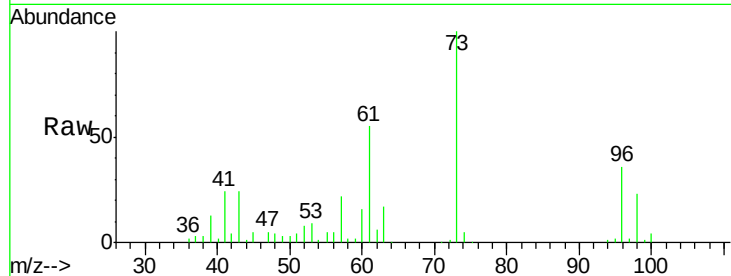
#21
trans-1,2-Dichloroethene
Concen: 50.782 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.1	121.9	182.9
98	63.0	49.3	73.9

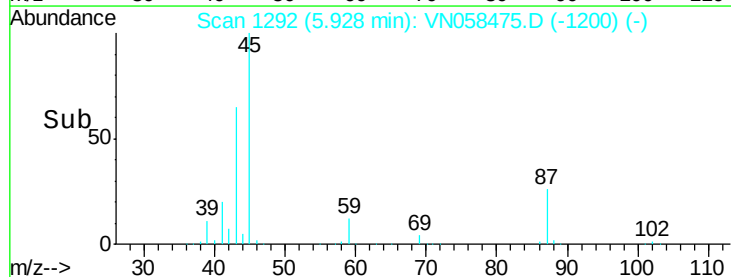
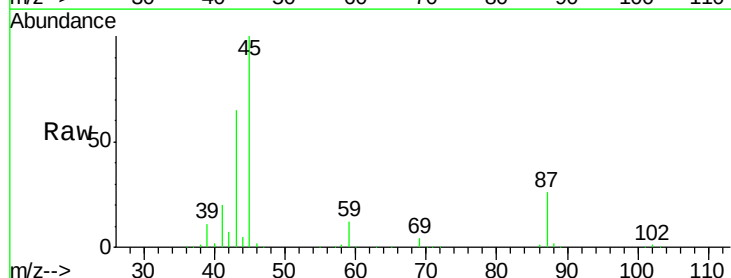
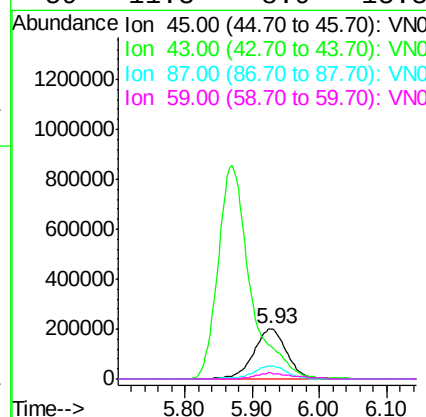
Manual Integrations
APPROVED

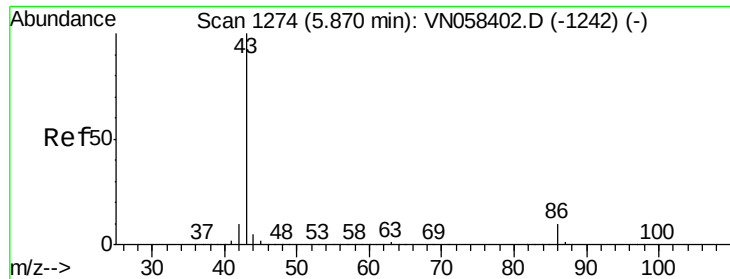
MMDadoda
10/3/2019 1:35:39 PM



#22
Diisopropyl ether
Concen: 53.778 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.3	49.7	74.5
87	26.2	21.5	32.3
59	11.3	8.9	13.3





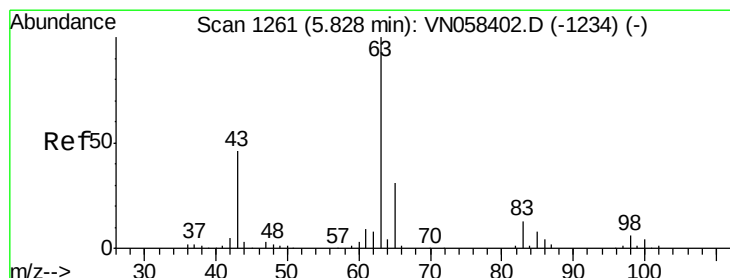
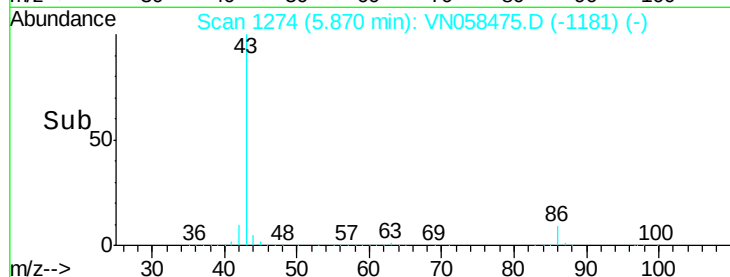
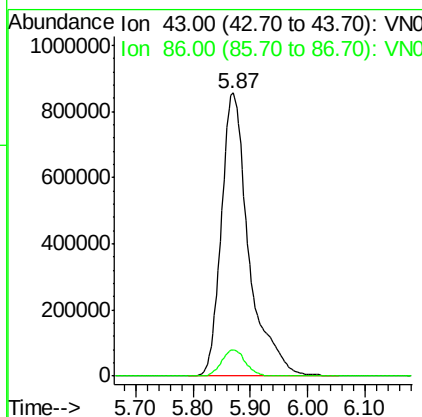
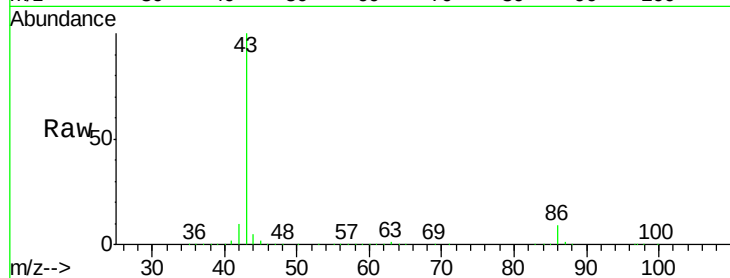
#23
 Vinyl Acetate
 Concen: 296.117 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2854599
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.7 11.5

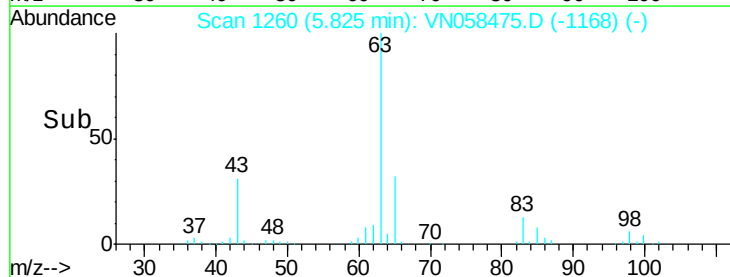
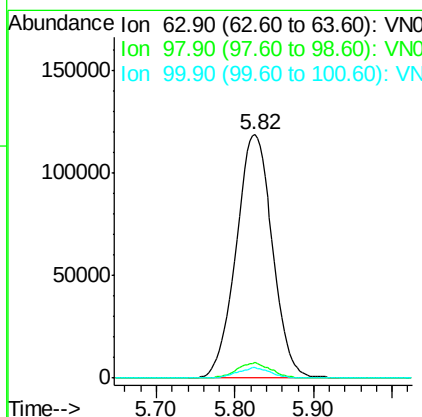
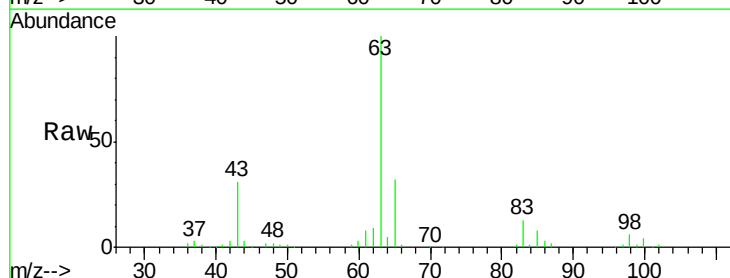
Manual Integrations
 APPROVED

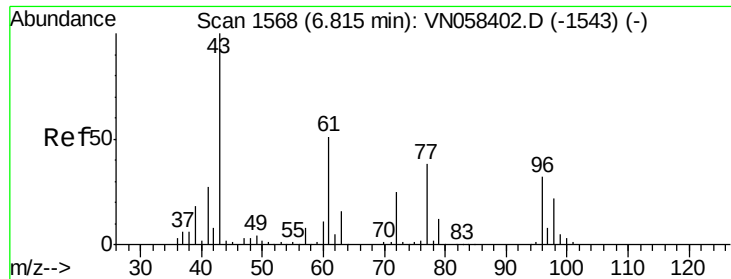
MMDadoda
 10/3/2019 1:35:39 PM



#24
 1,1-Dichloroethane
 Concen: 53.343 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion: 63 Resp: 383821
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.0
 100 4.3 2.0 5.8





#25

2-Butanone

Concen: 300.836 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 712078

Ion Ratio Lower Upper

43 100

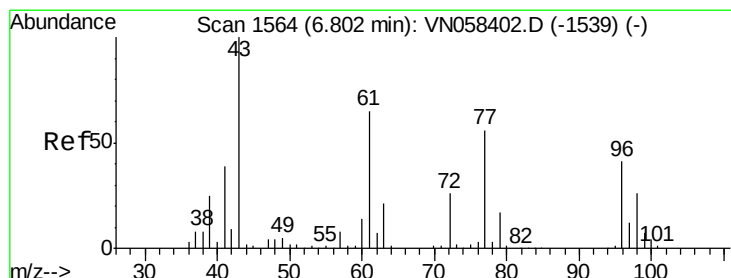
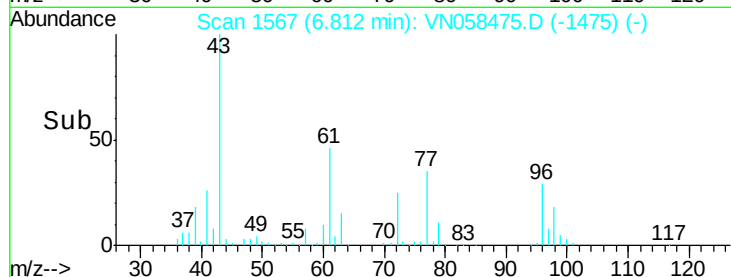
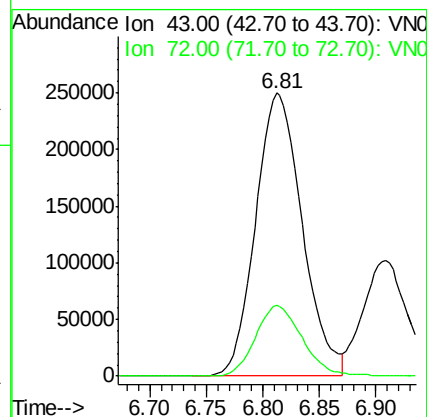
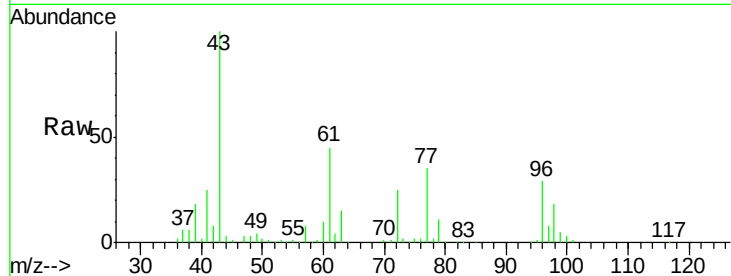
72 25.0 20.2 30.4

Manual Integrations

APPROVED

MMDadoda

10/3/2019 1:35:39 PM



#26

2,2-Dichloropropane

Concen: 51.287 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058475.D

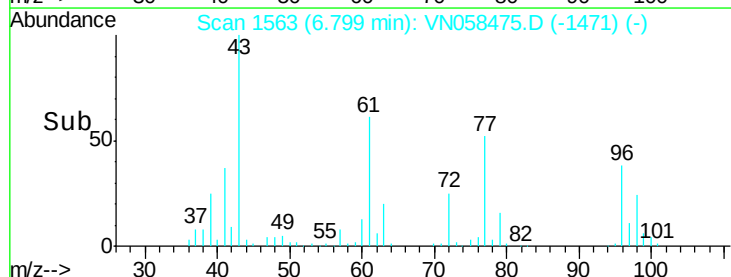
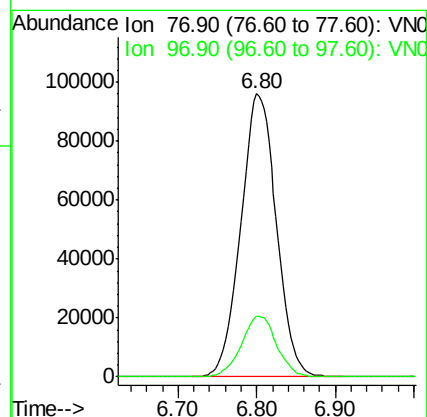
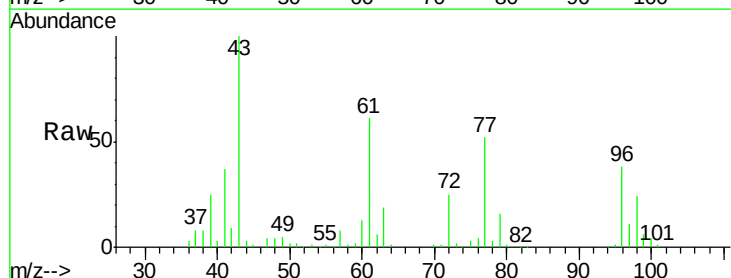
Acq: 2 Oct 2019 15:24

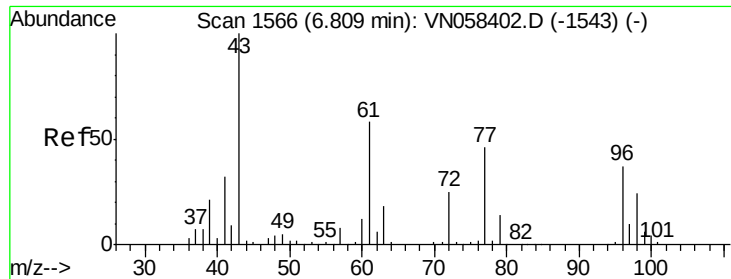
Tgt Ion: 77 Resp: 303386

Ion Ratio Lower Upper

77 100

97 21.4 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 52.080 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

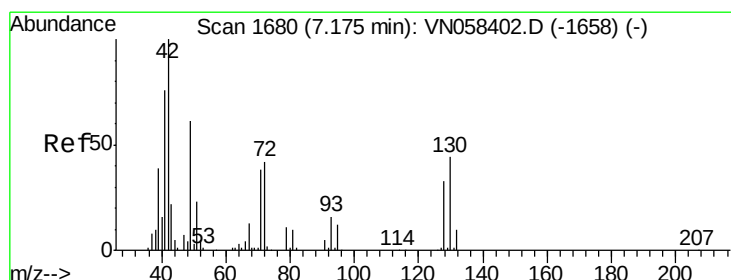
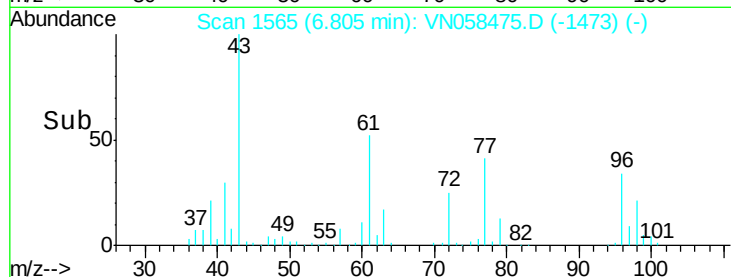
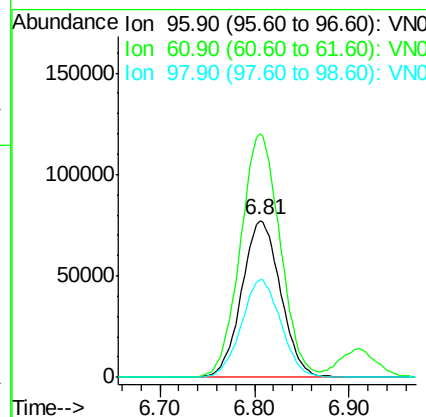
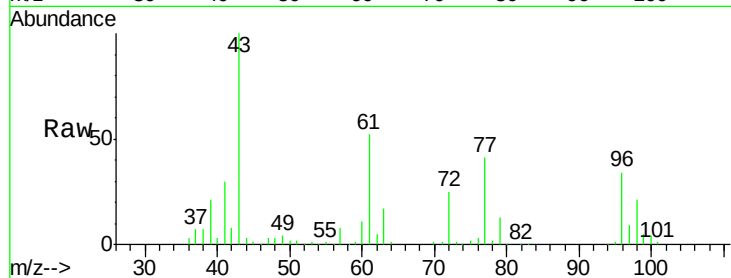
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	220982
Ion	Ratio	Lower	Upper
96	100		
61	158.0	0.0	318.8
98	63.0	0.0	129.8

Manual Integrations
APPROVED

MMDadoda
10/3/2019 1:35:39 PM



#28

Bromochloromethane

Concen: 54.903 ug/l

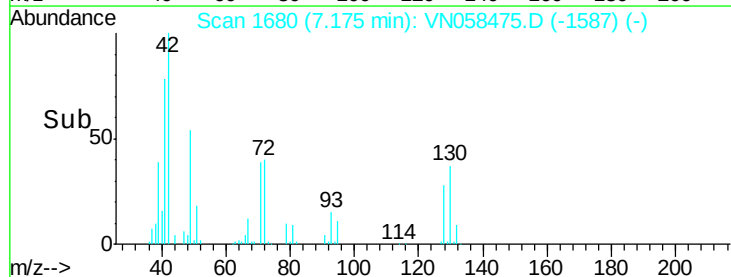
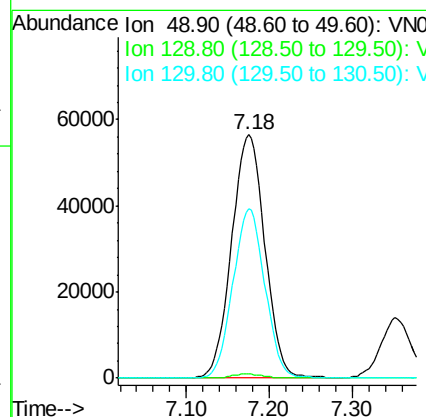
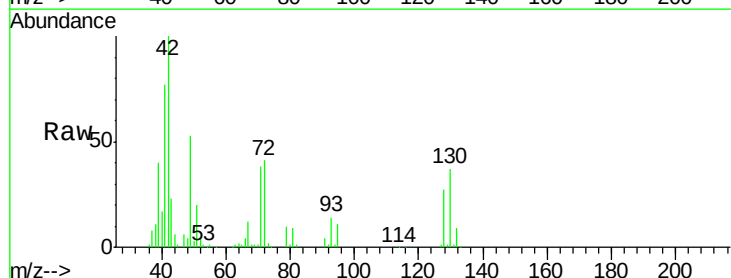
RT: 7.18 min Scan# 1680

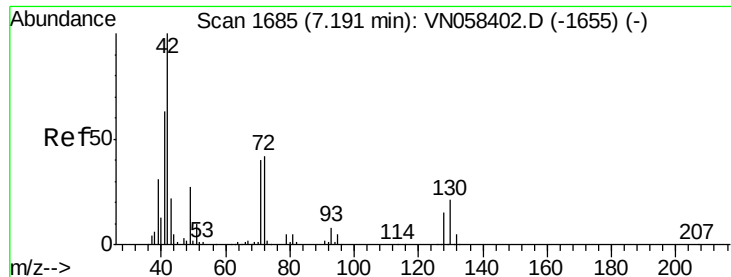
Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Tgt Ion:	49	Resp:	157913
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	66.9	56.3	84.5





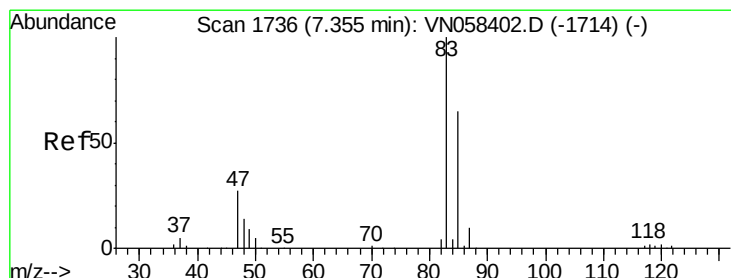
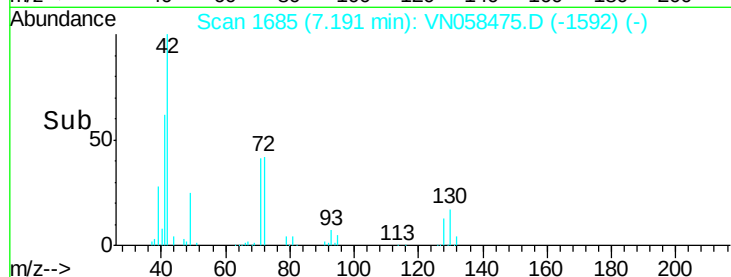
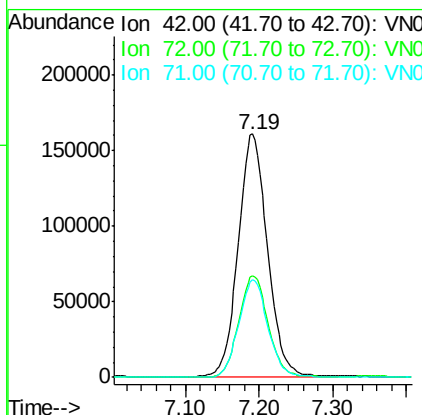
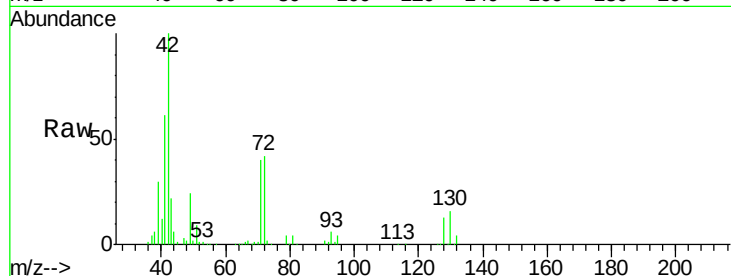
#29
Tetrahydrofuran
Concen: 297.322 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	40.0	31.8	47.6

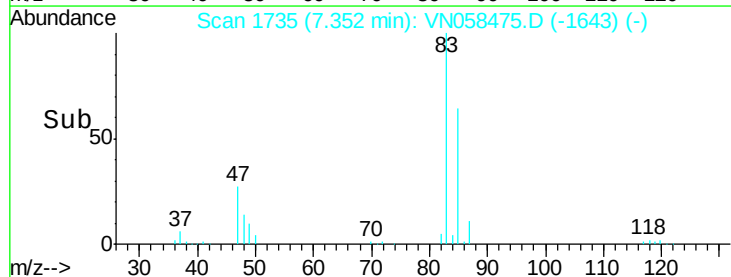
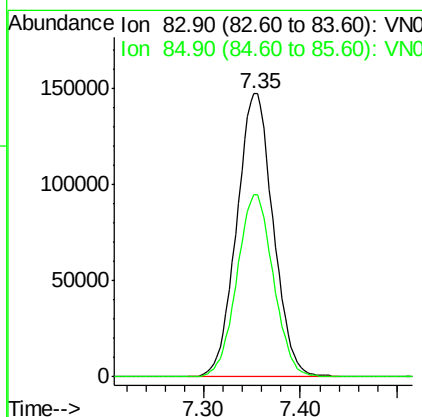
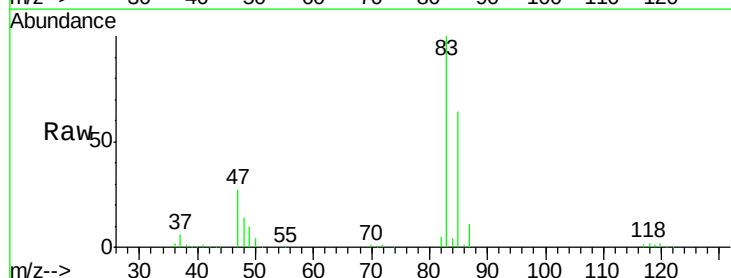
Manual Integrations
APPROVED

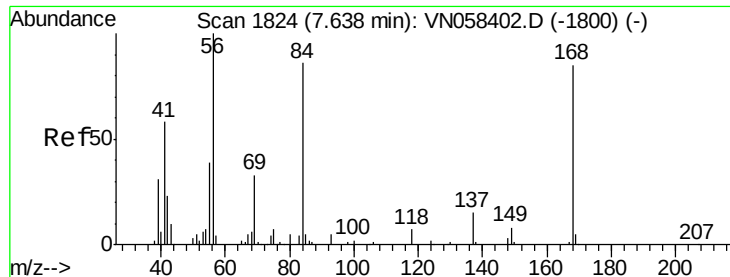
MMDadoda
10/3/2019 1:35:39 PM



#30
Chloroform
Concen: 53.050 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.0	78.0





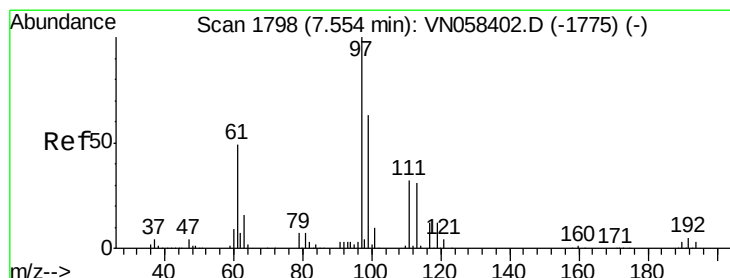
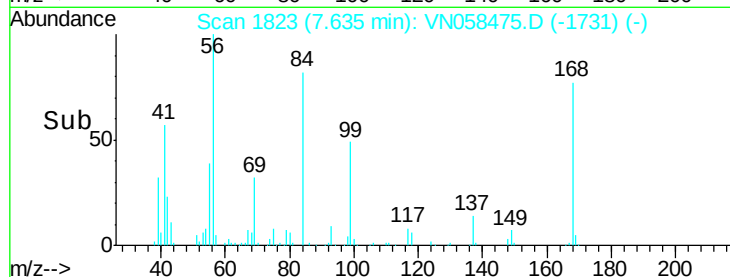
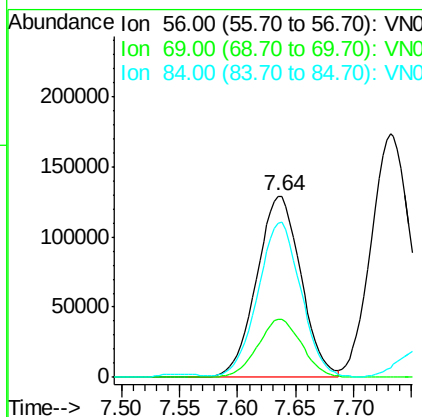
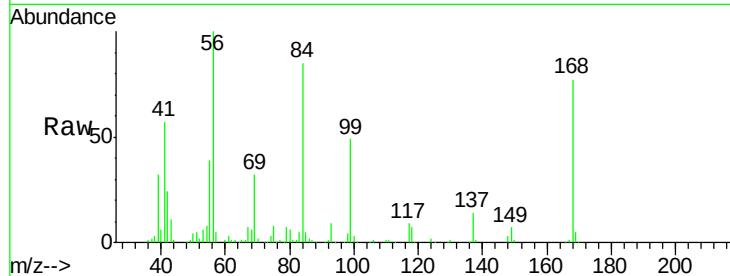
#31
Cyclohexane
Concen: 48.945 ug/l
RT: 7.64 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.2	39.4
84	83.5	67.6	101.4

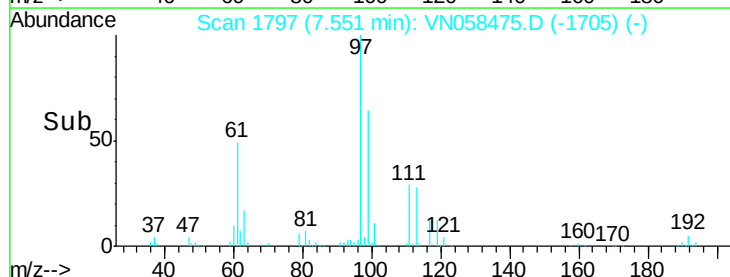
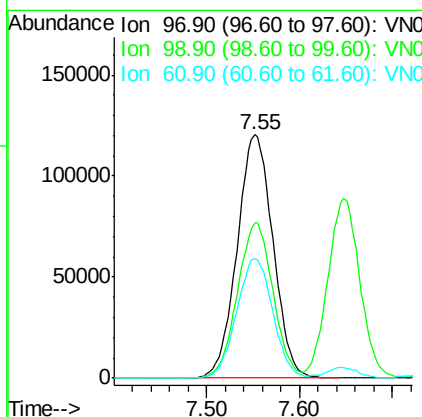
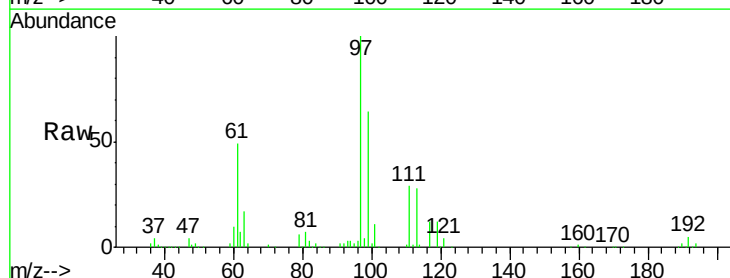
Manual Integrations
APPROVED

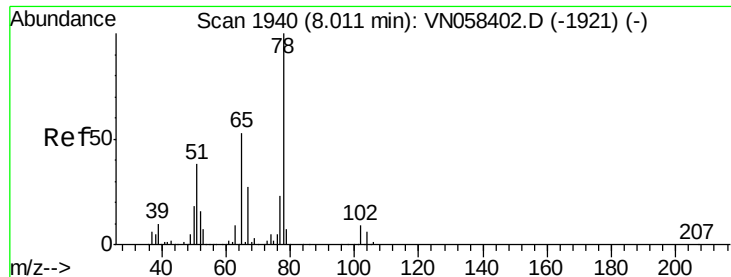
MMDadoda
10/3/2019 1:35:39 PM



#32
1,1,1-Trichloroethane
Concen: 54.055 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.1	76.7
61	49.3	39.2	58.8





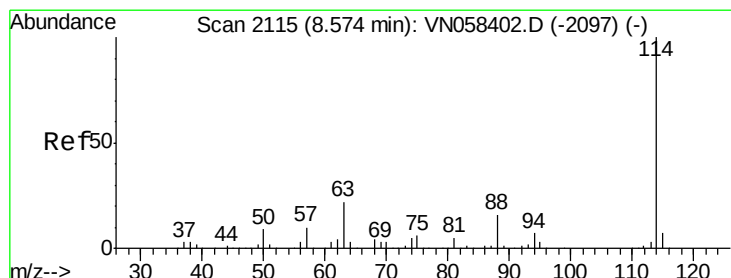
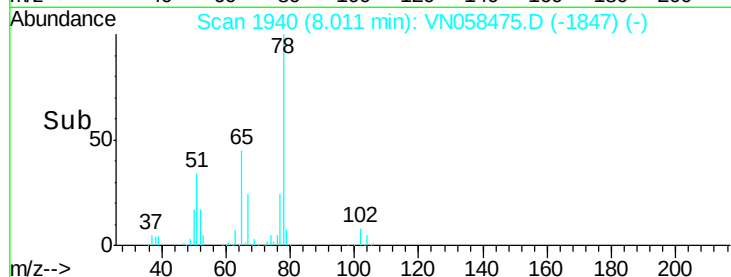
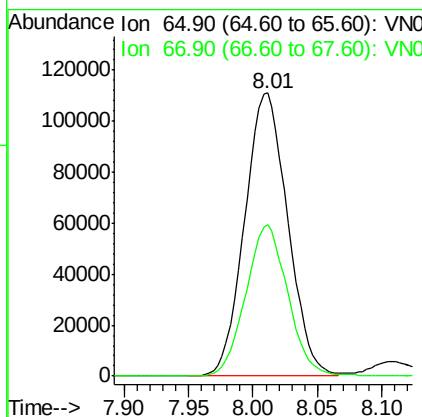
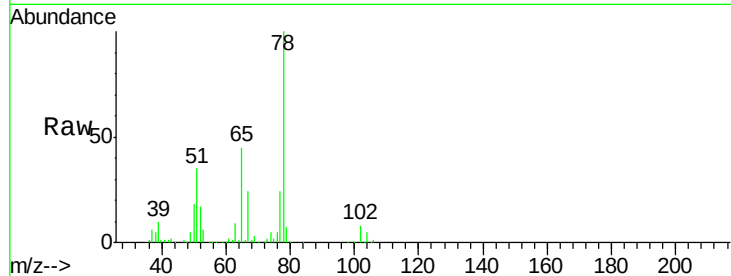
#33
 1,2-Dichloroethane-d4
 Concen: 51.078 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	258318		
67	52.3	0.0	102.4	

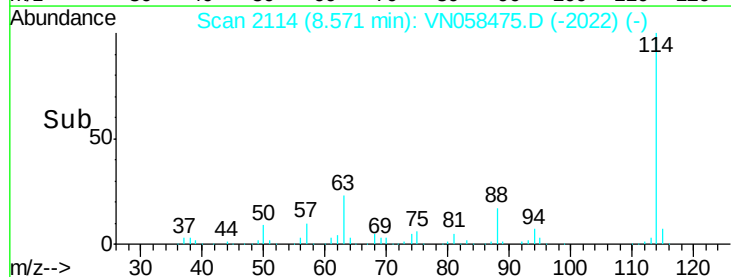
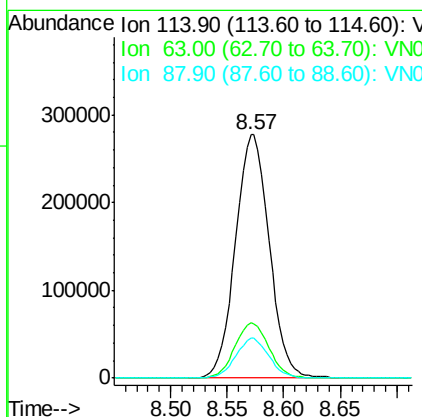
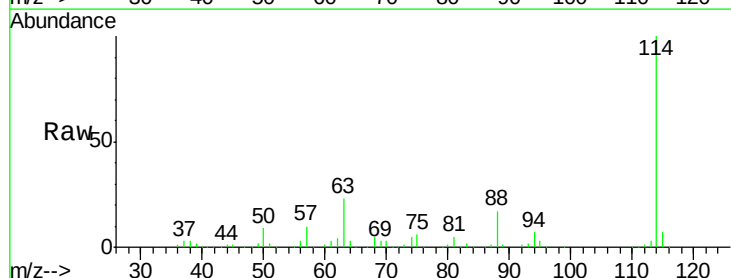
Manual Integrations
 APPROVED

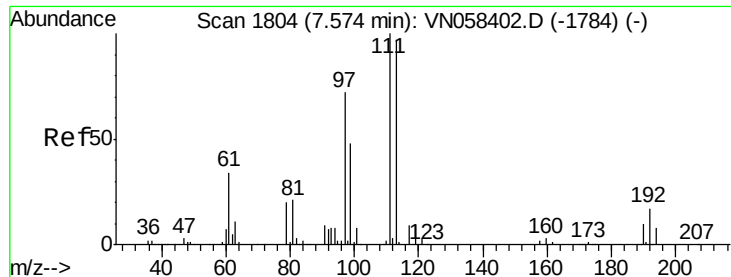
MMDadoda
 10/3/2019 1:35:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	579114		
63	22.9	0.0	45.0	
88	16.5	0.0	32.2	





#35

Dibromofluoromethane

Concen: 53.181 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

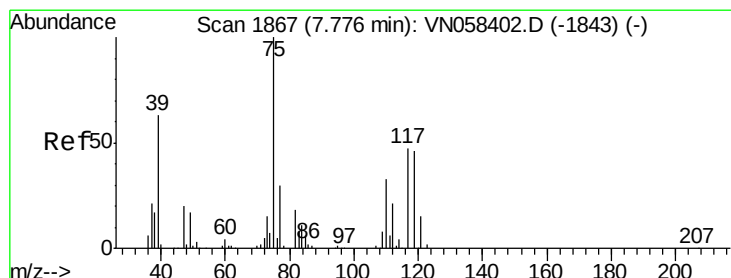
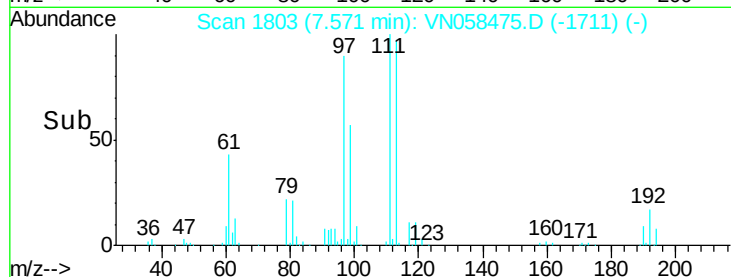
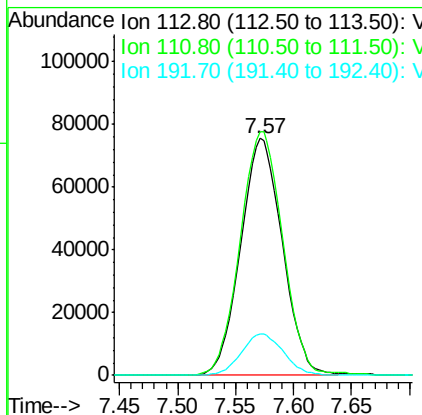
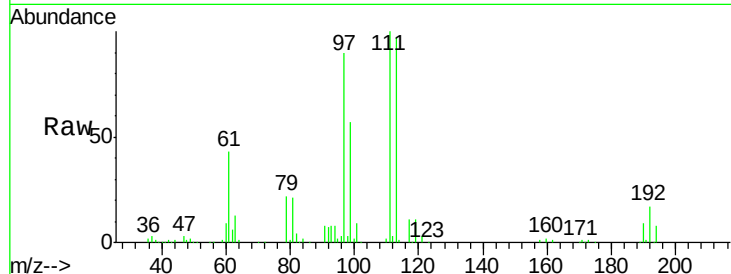
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	188756
Ion Ratio	Lower	Upper	
113	100		
111	105.3	83.4	125.2
192	17.7	14.9	22.3

Manual Integrations
APPROVED

MMDadoda
10/3/2019 1:35:39 PM



#36

1,1-Dichloropropene

Concen: 52.778 ug/l

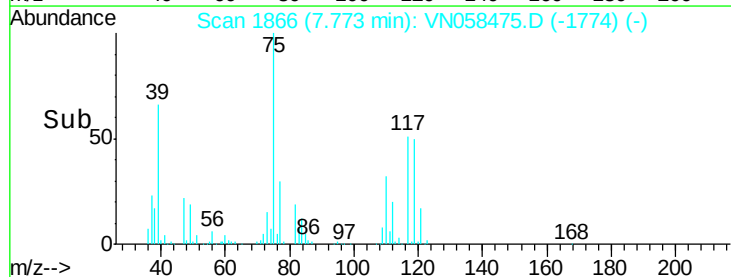
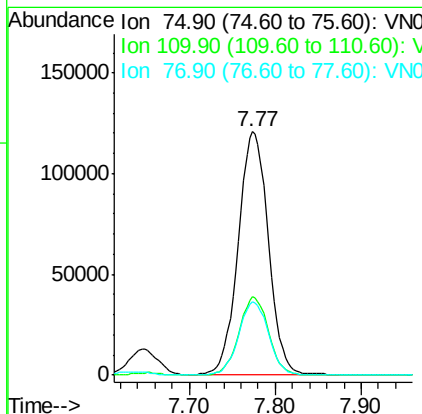
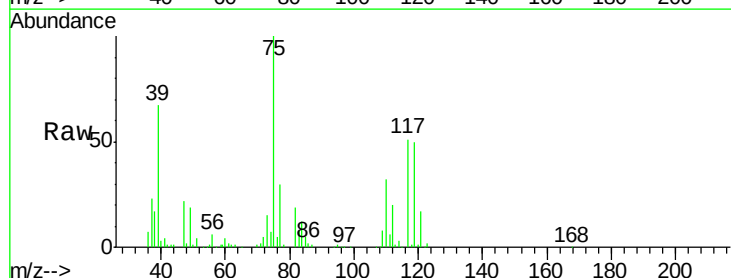
RT: 7.77 min Scan# 1866

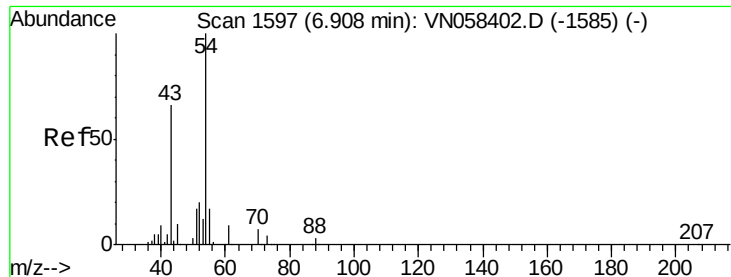
Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Tgt Ion:	75	Resp:	292257
Ion Ratio	Lower	Upper	
75	100		
110	31.7	16.4	49.2
77	30.2	24.3	36.5





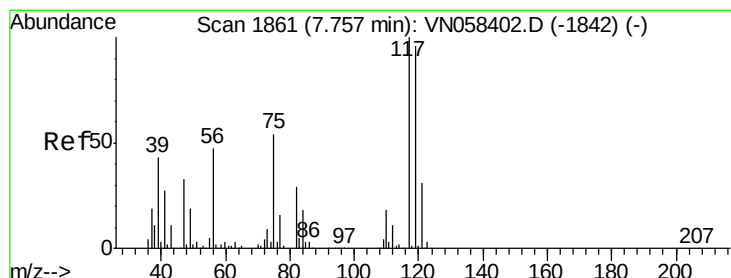
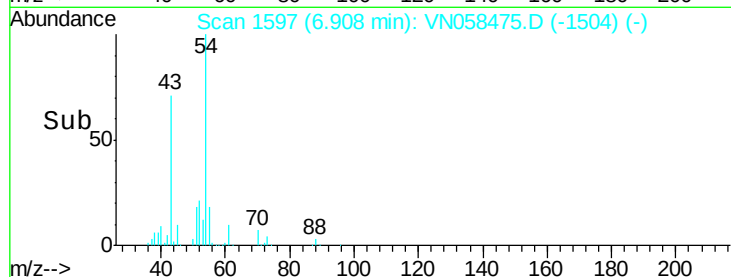
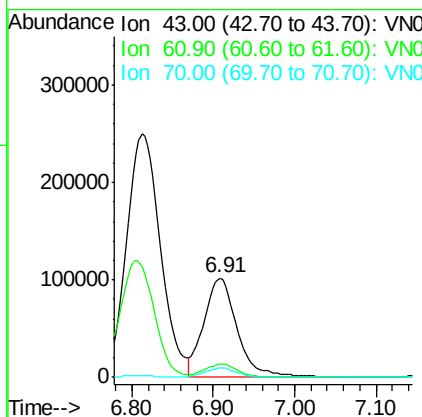
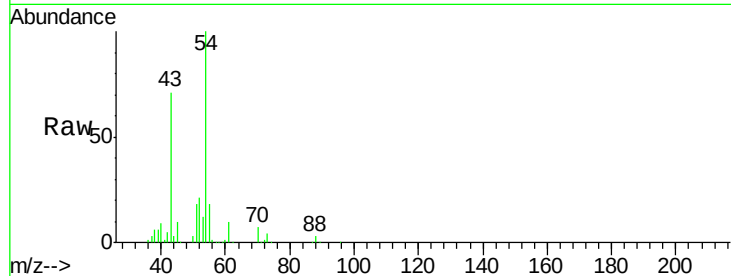
#37
Ethyl Acetate
Concen: 60.928 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Resp	286049	13.5	9.0
Lower		10.5	7.8
Upper		15.7	11.6

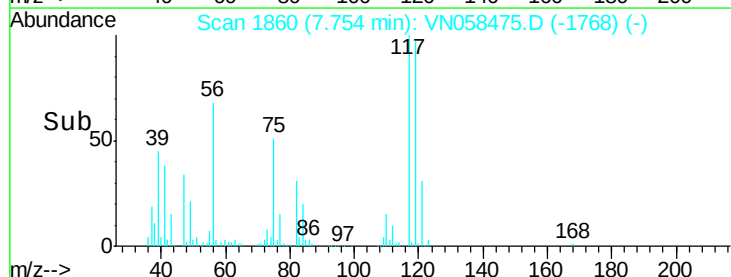
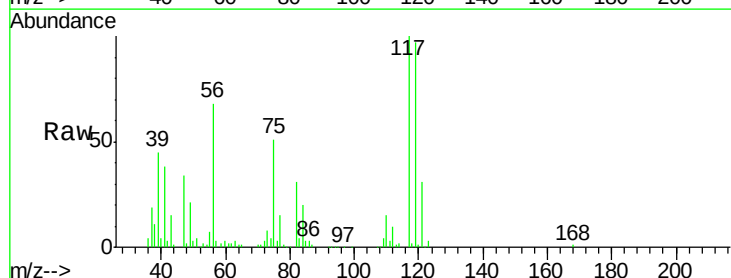
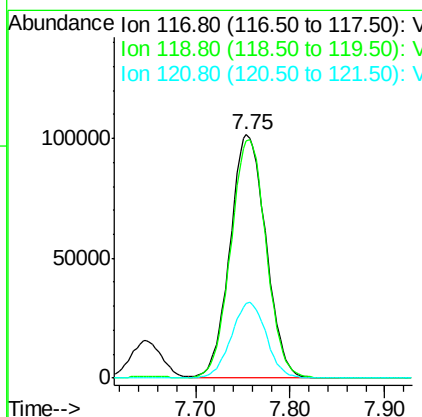
Manual Integrations
APPROVED

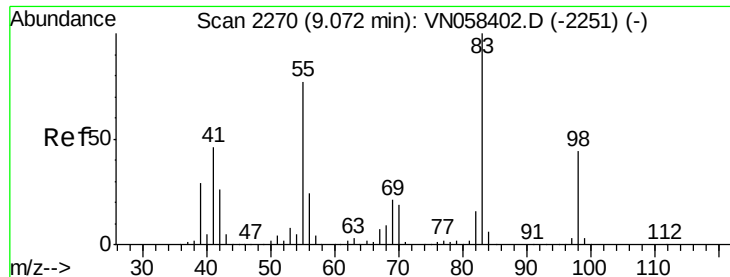
MMDadoda
10/3/2019 1:35:39 PM



#38
Carbon Tetrachloride
Concen: 53.638 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion	117	119	121
Resp	268102	97.3	30.6
Lower		76.6	24.7
Upper		115.0	37.1





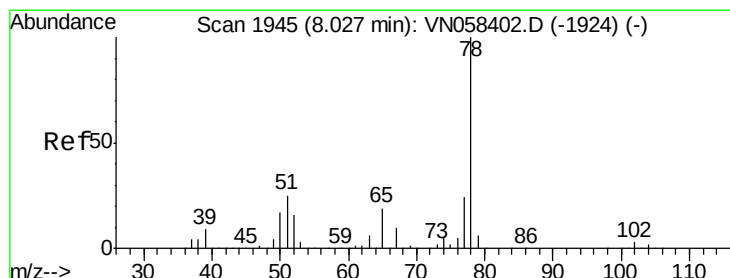
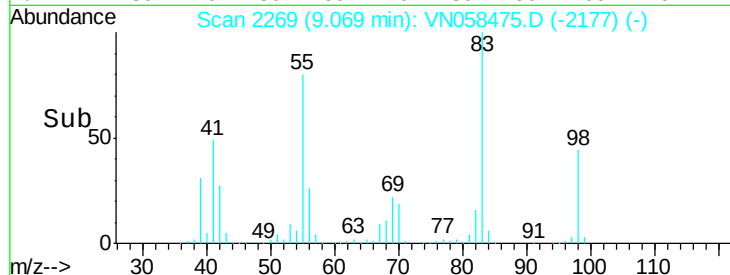
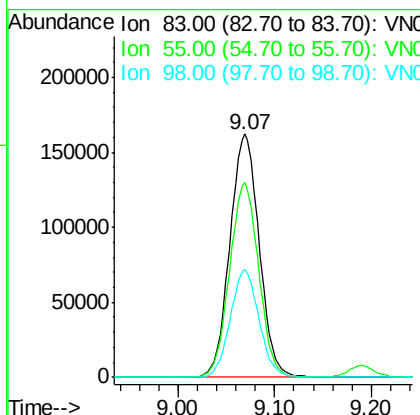
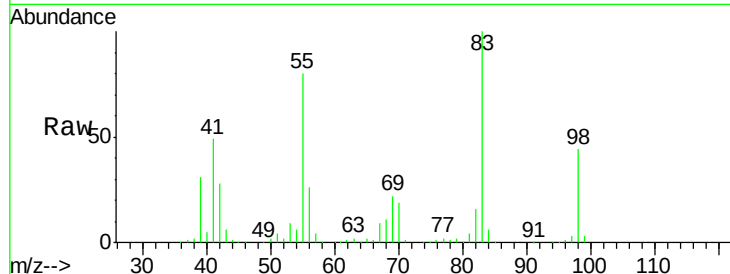
#39
Methylvlcyclohexane
Concen: 52.789 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	61.8	92.6
98	44.4	35.4	53.0

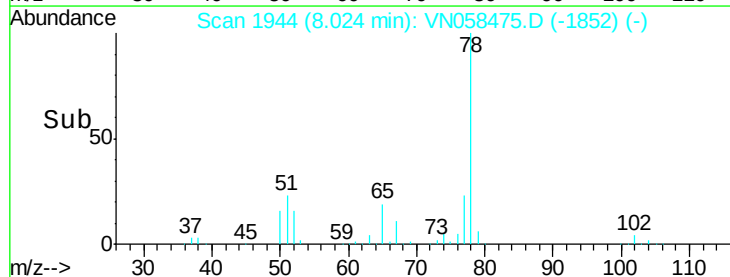
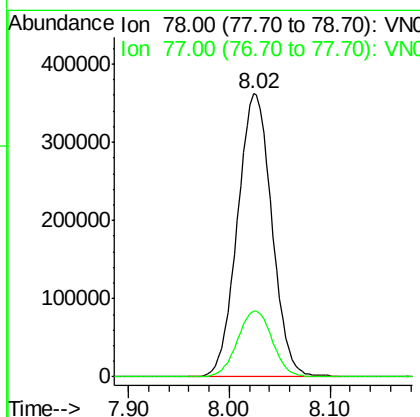
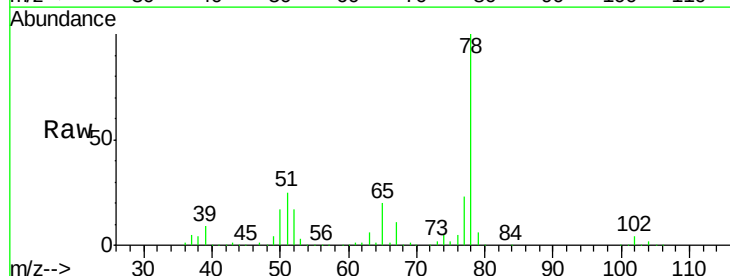
Manual Integrations
APPROVED

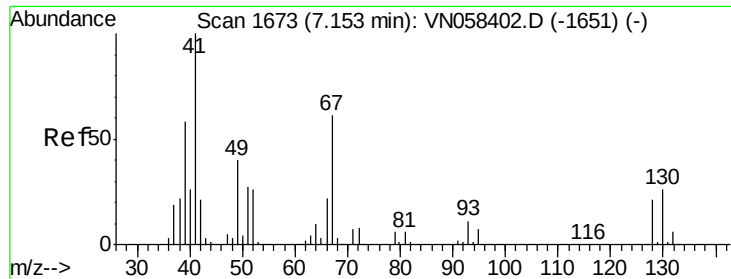
MMDadoda
10/3/2019 1:35:39 PM



#40
Benzene
Concen: 53.631 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3





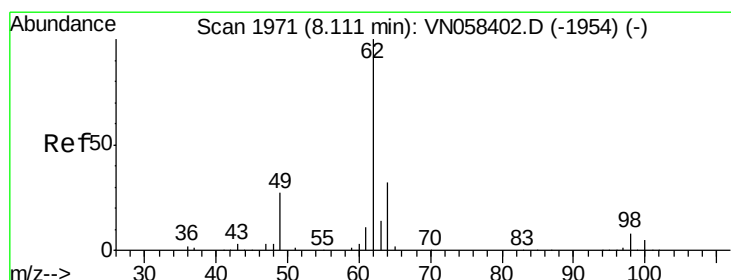
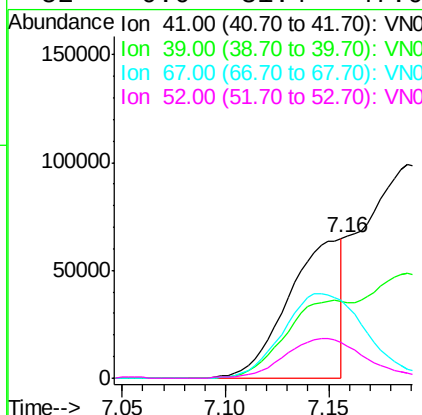
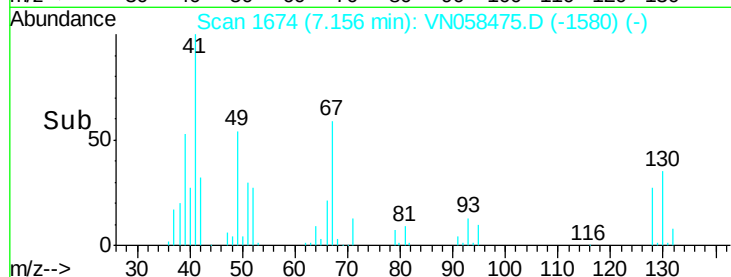
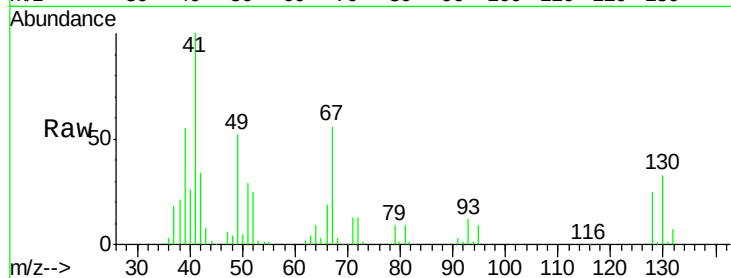
#41
Methacrylonitrile
Concen: 54.063 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.4#
67	0.0	70.2	105.4#
52	0.0	31.4	47.0#

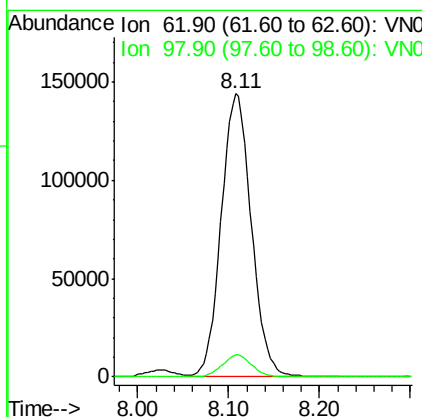
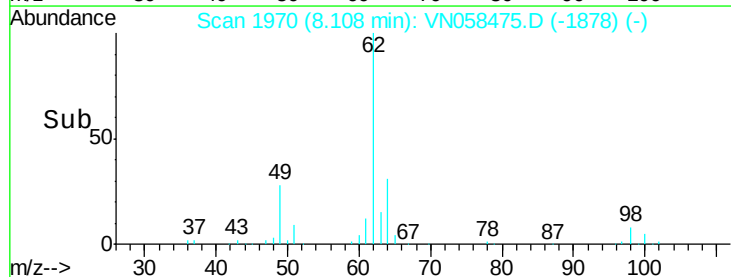
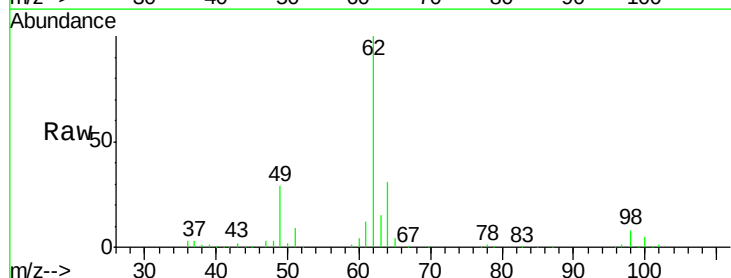
Manual Integrations
APPROVED

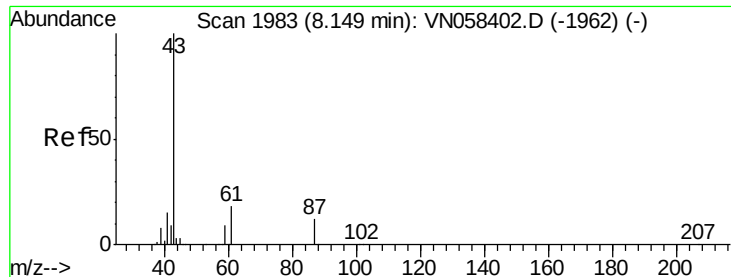
MMDadoda
10/3/2019 1:35:39 PM



#42
1,2-Dichloroethane
Concen: 53.342 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.6





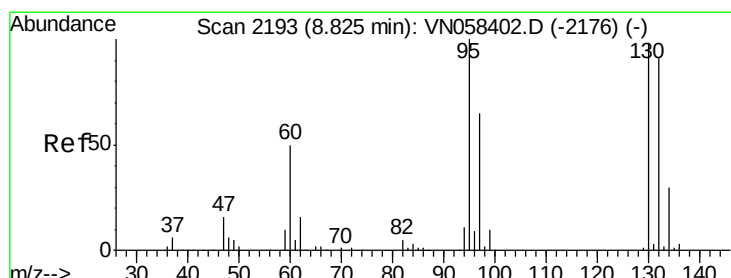
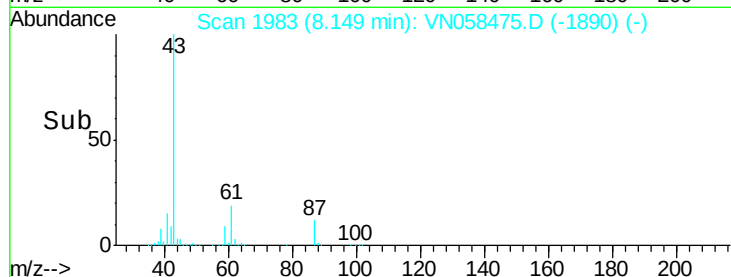
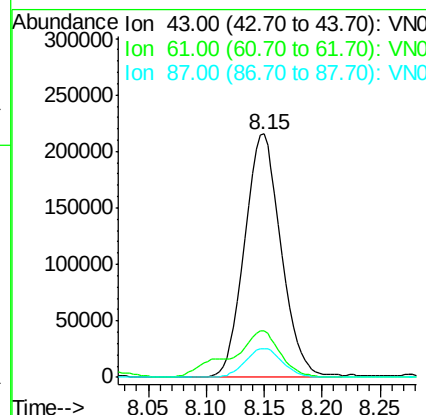
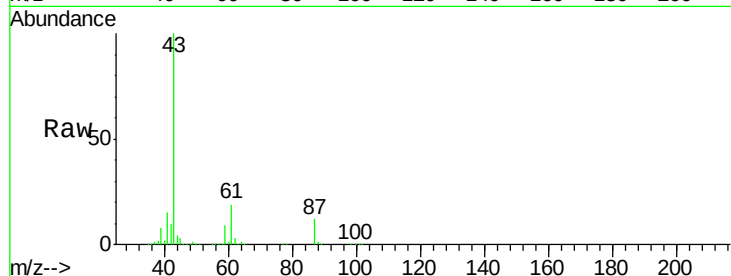
#43
Isopropyl Acetate
Concen: 53.273 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.8	22.2
87	12.1	9.7	14.5

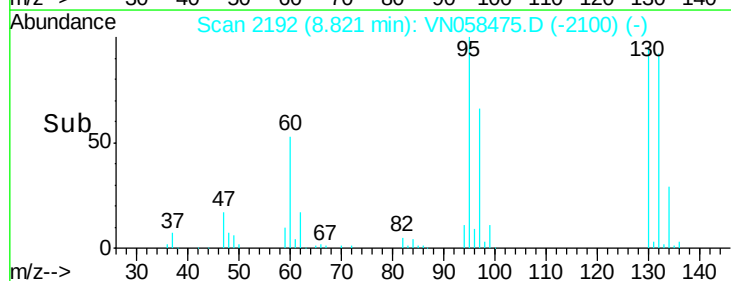
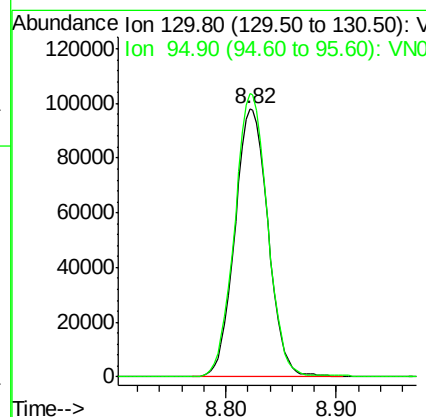
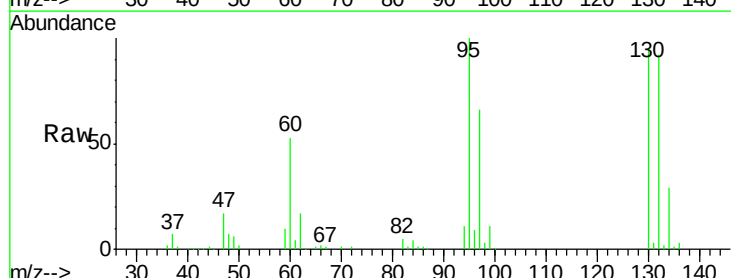
Manual Integrations
APPROVED

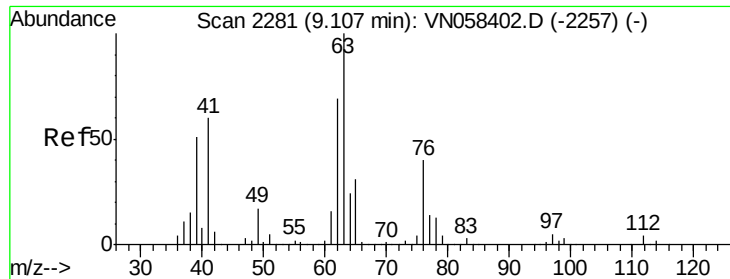
MMDadoda
10/3/2019 1:35:39 PM



#44
Trichloroethene
Concen: 52.178 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	204.2





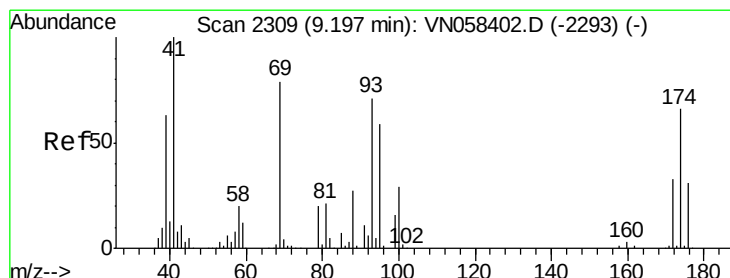
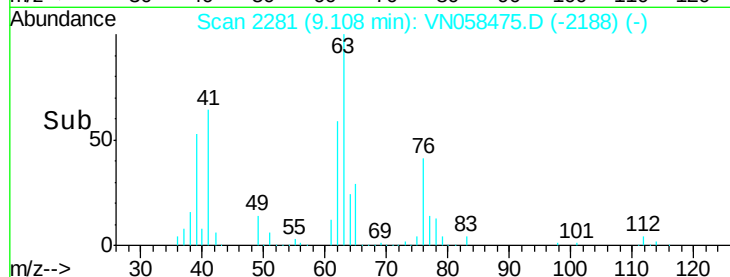
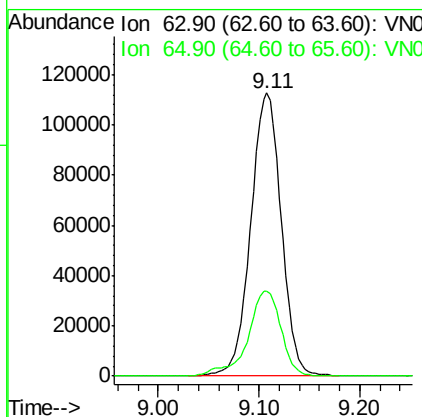
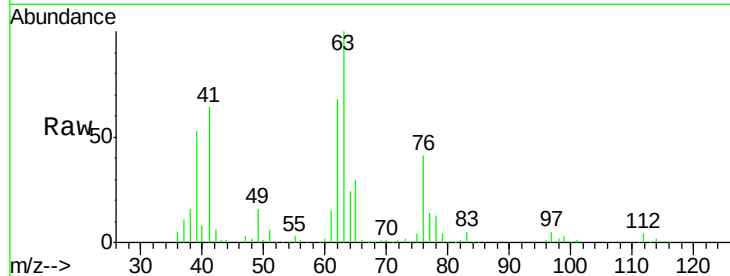
#45
 1,2-Dichloropropane
 Concen: 55.360 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 236328
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.4

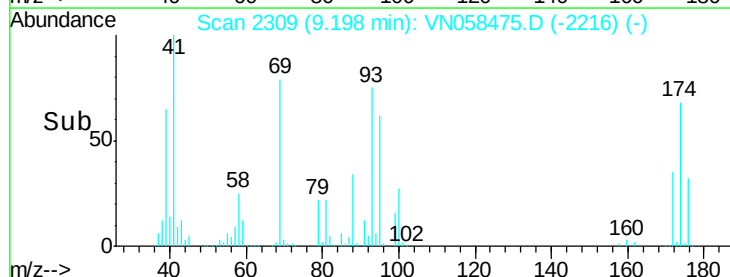
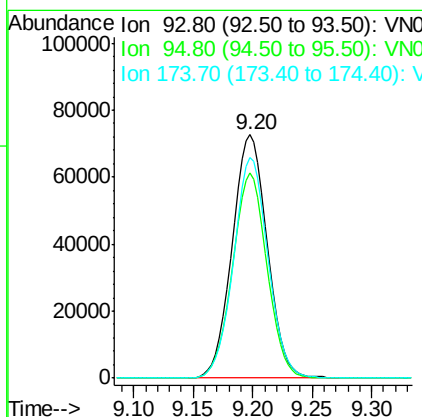
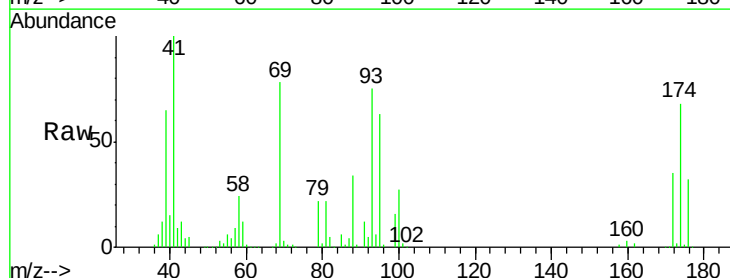
Manual Integrations
 APPROVED

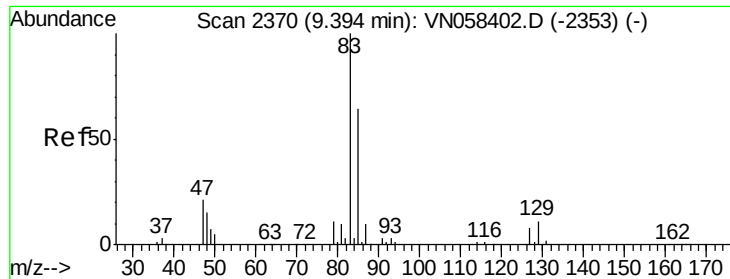
MMDadoda
 10/3/2019 1:35:39 PM



#46
 Dibromomethane
 Concen: 55.030 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion: 93 Resp: 148772
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.0 100.4
 174 89.1 74.2 111.2





#47

Bromodichloromethane

Concen: 58.202 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

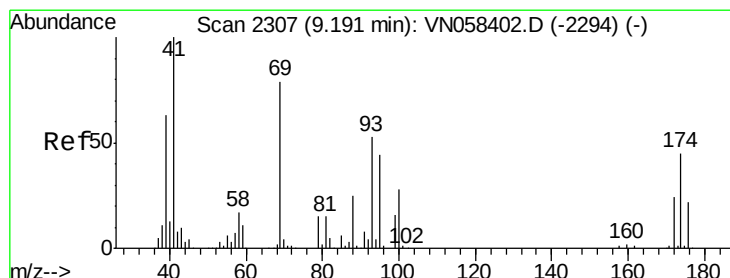
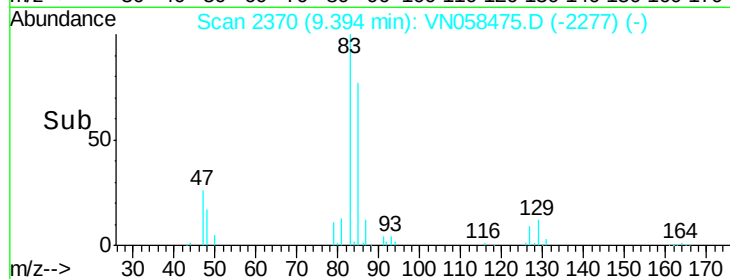
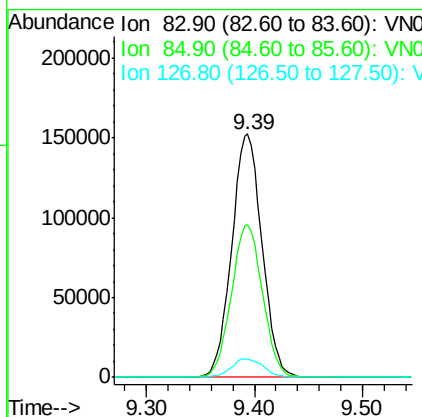
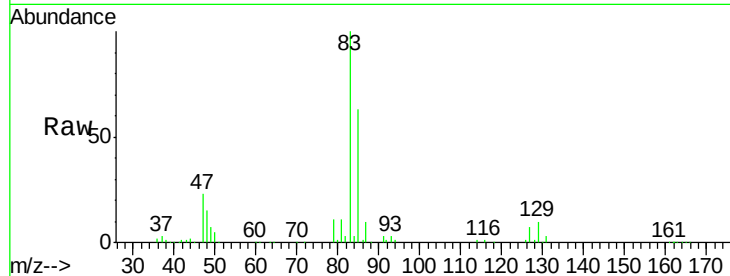
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	298120
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.2	76.8
127	7.5	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
10/3/2019 1:35:39 PM



#48

Methyl methacrylate

Concen: 58.630 ug/l

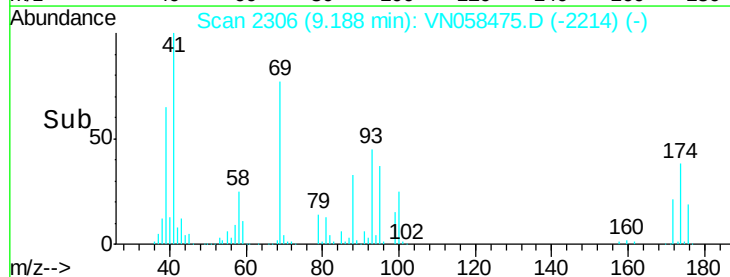
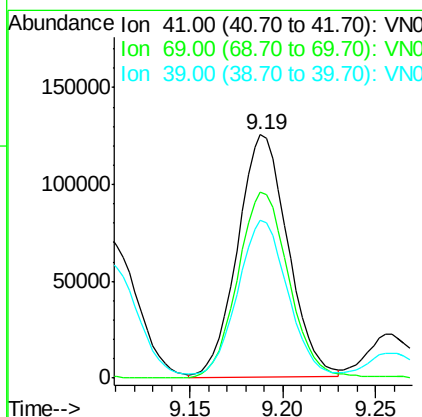
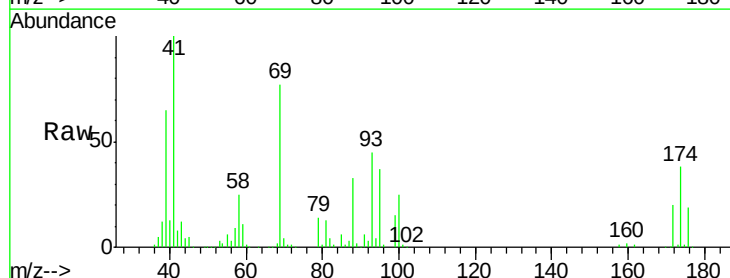
RT: 9.19 min Scan# 2306

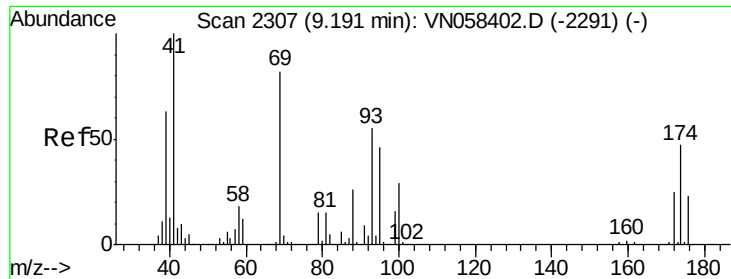
Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Tgt Ion:	41	Resp:	235695
Ion	Ratio	Lower	Upper
41	100		
69	78.5	64.7	97.1
39	65.0	52.9	79.3





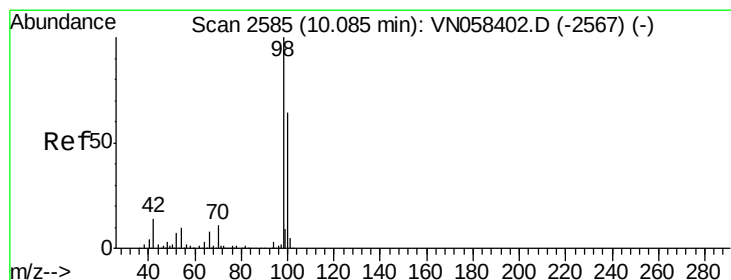
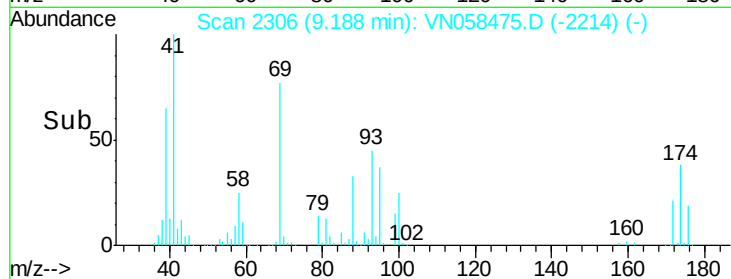
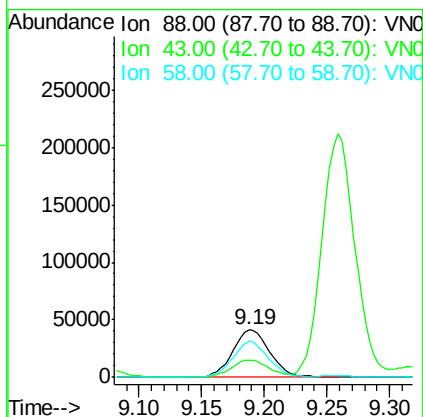
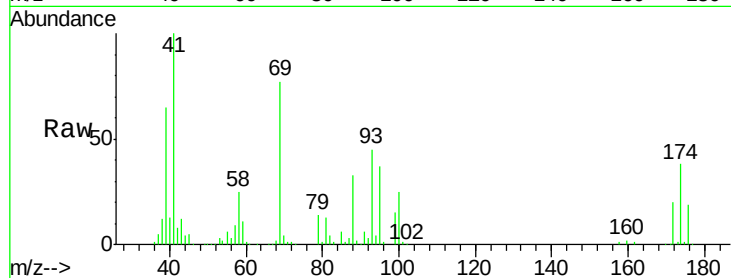
#49
1,4-Dioxane
Concen: 1580.030 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	84931
Ion Ratio	100	Lower	Upper
88	100		
43	34.6	31.1	46.7
58	73.3	58.1	87.1

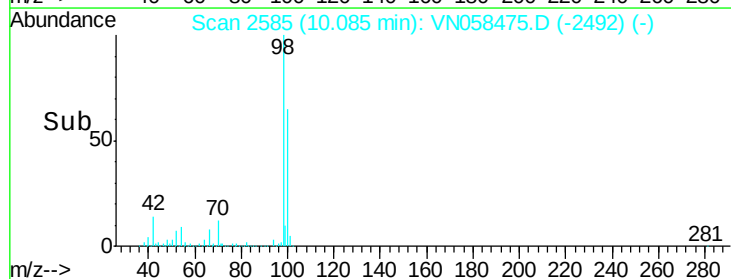
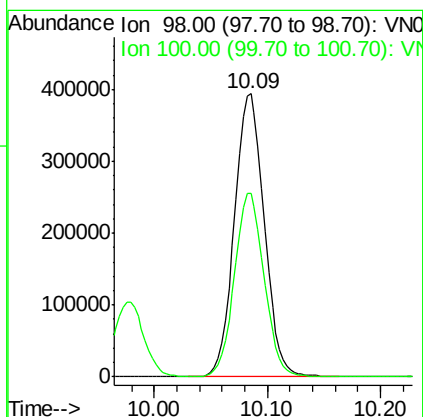
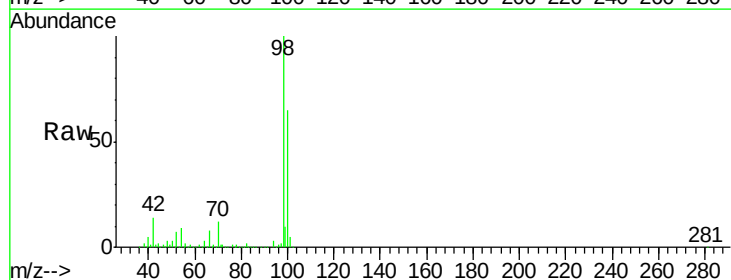
Manual Integrations
APPROVED

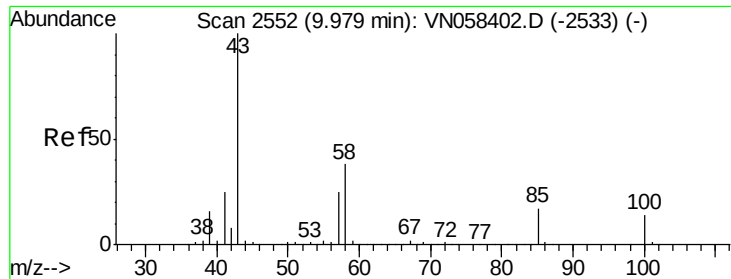
MMDadoda
10/3/2019 1:35:39 PM



#50
Toluene-d8
Concen: 52.142 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion	98	Resp	724998
Ion Ratio	100	Lower	Upper
98	100		
100	64.1	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 323.241 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1465857

Ion Ratio Lower Upper

43 100

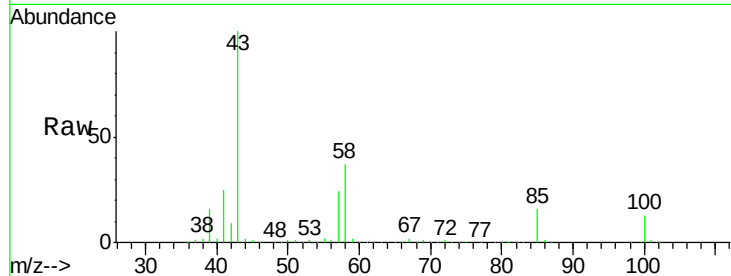
58 36.9 30.2 45.2

Manual Integrations

APPROVED

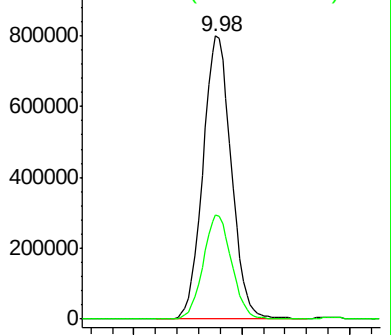
MMDadoda

10/3/2019 1:35:39 PM

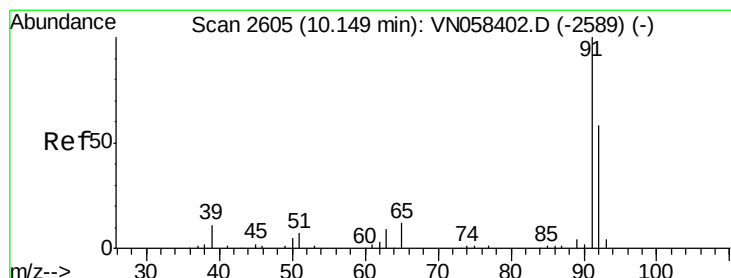
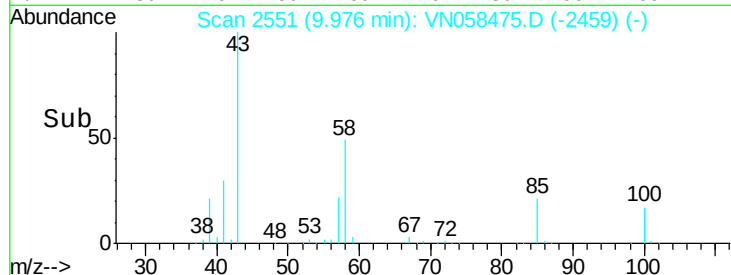


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 52.839 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058475.D

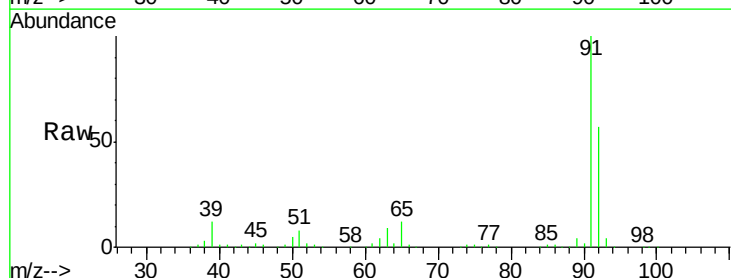
Acq: 2 Oct 2019 15:24

Tgt Ion: 92 Resp: 529381

Ion Ratio Lower Upper

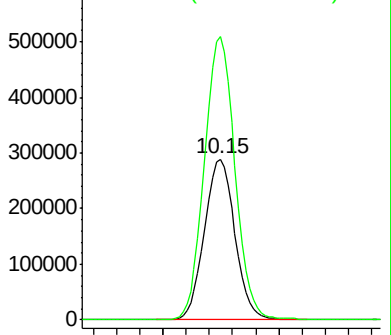
92 100

91 176.7 140.2 210.4

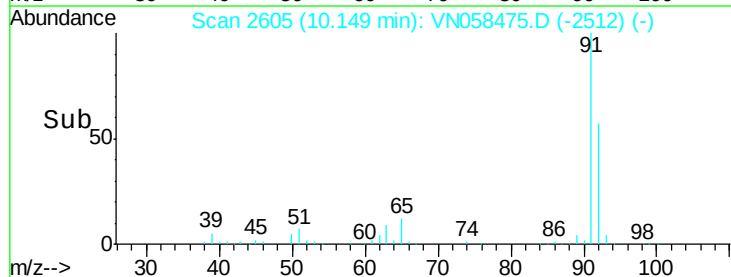


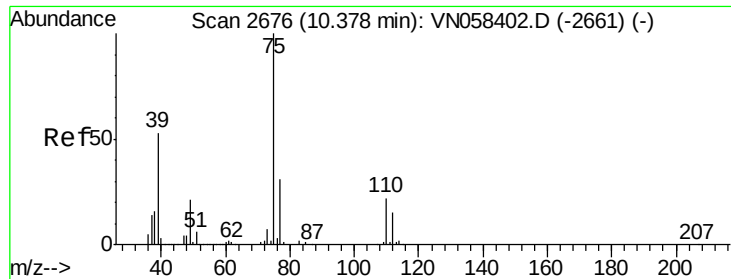
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





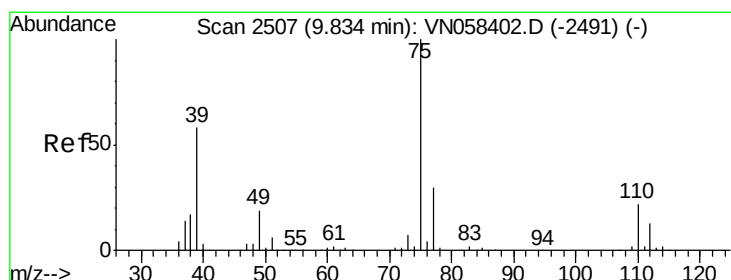
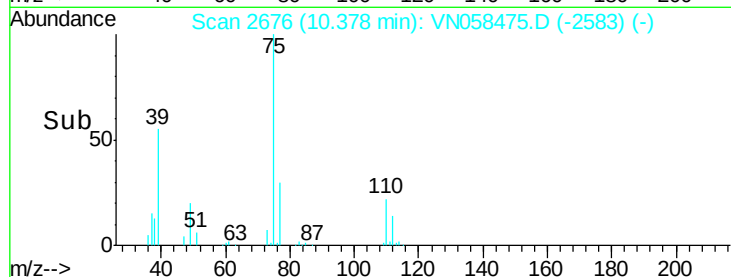
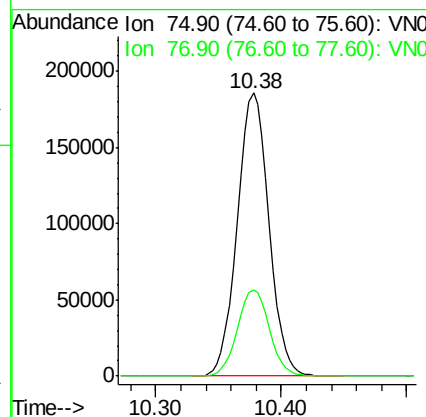
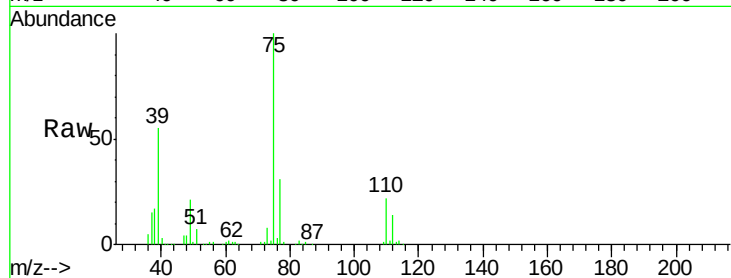
#53
t-1,3-Dichloropropene
Concen: 58.370 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 325420
Ion Ratio Lower Upper
75 100
77 30.6 25.2 37.8

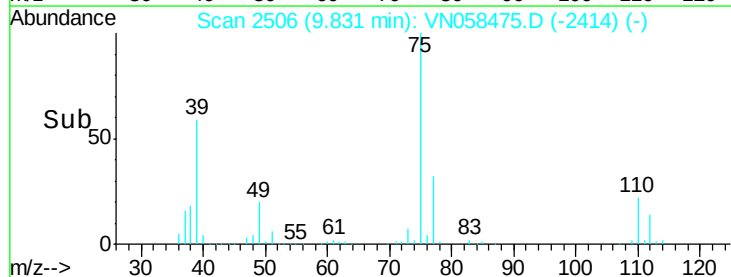
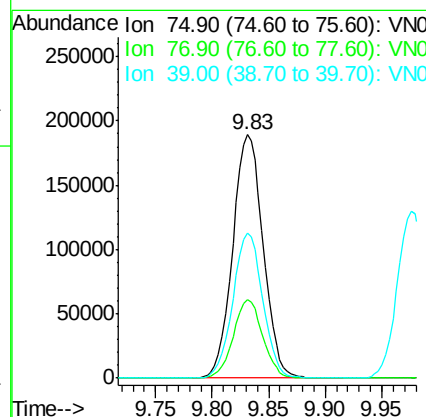
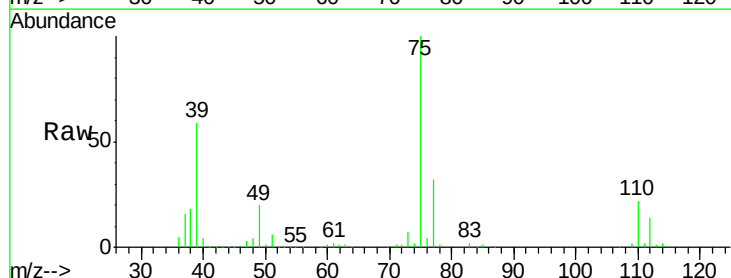
Manual Integrations
APPROVED

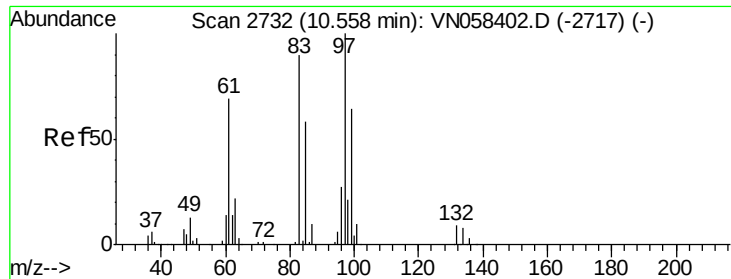
MMDadoda
10/3/2019 1:35:39 PM



#54
cis-1,3-Dichloropropene
Concen: 57.191 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion: 75 Resp: 353931
Ion Ratio Lower Upper
75 100
77 32.1 24.2 36.4
39 59.3 46.4 69.6





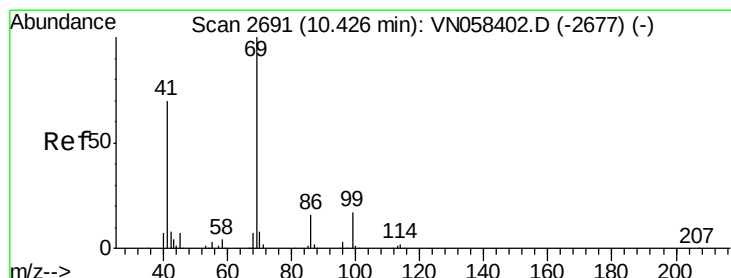
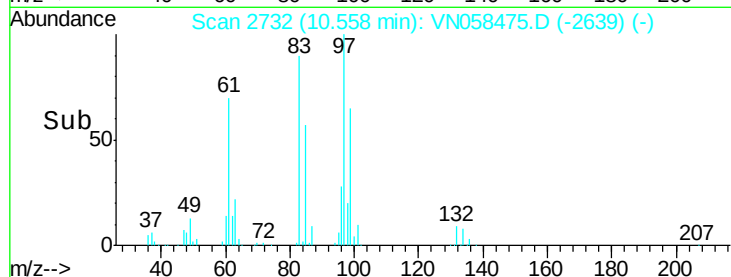
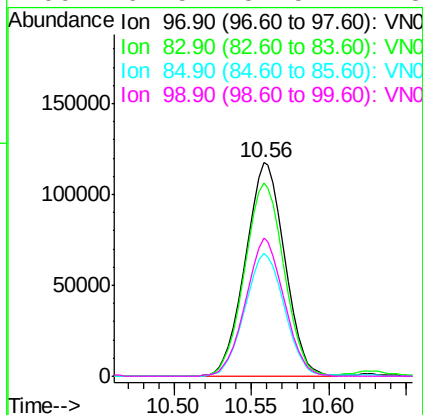
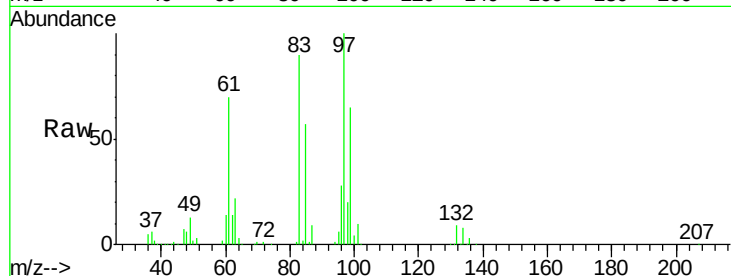
#55
 1,1,2-Trichloroethane
 Concen: 57.162 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	208528
Ion	Ratio	Lower	Upper
97	100		
83	90.2	71.8	107.6
85	57.4	46.6	69.8
99	64.5	51.5	77.3

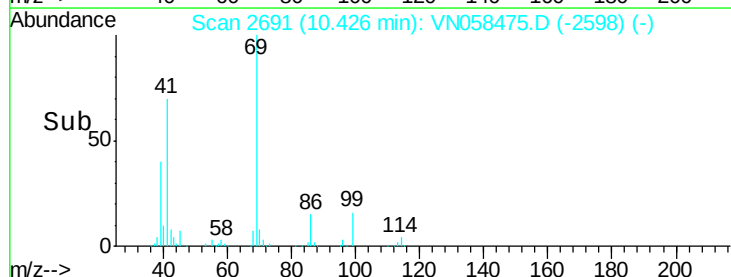
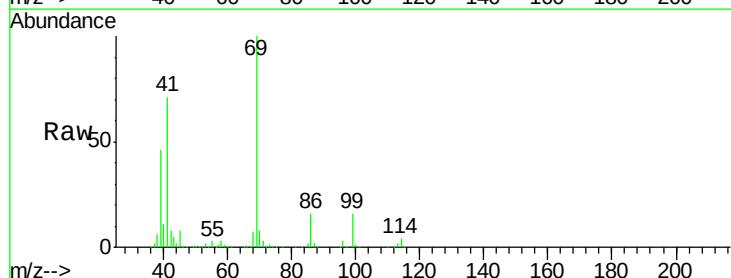
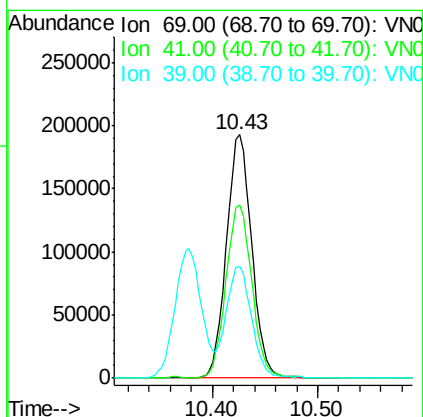
Manual Integrations
 APPROVED

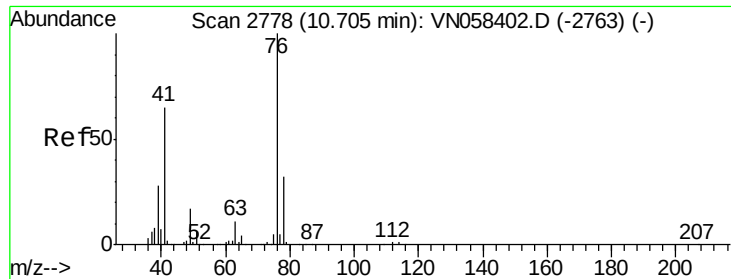
MMDadoda
 10/3/2019 1:35:39 PM



#56
 Ethyl methacrylate
 Concen: 57.879 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion:	69	Resp:	320390
Ion	Ratio	Lower	Upper
69	100		
41	72.1	56.3	84.5
39	45.4	35.8	53.6





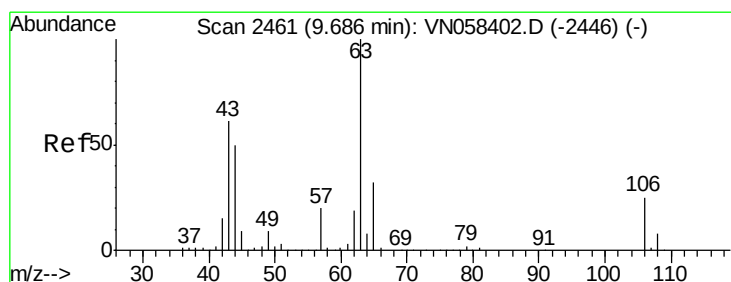
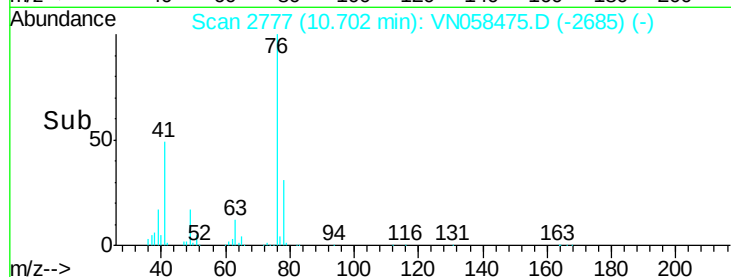
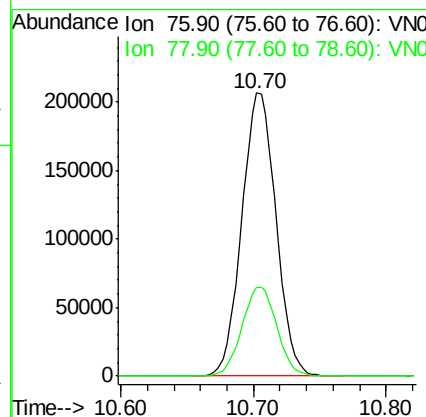
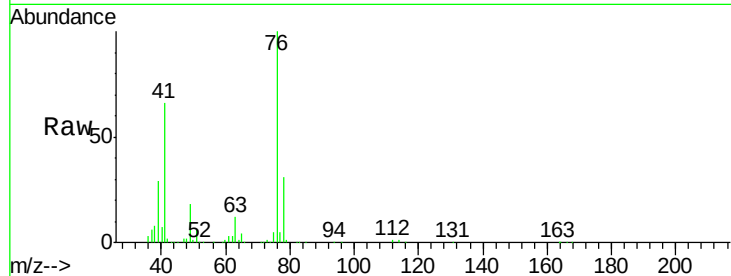
#57
 1,3-Dichloropropane
 Concen: 56.876 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 370092
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

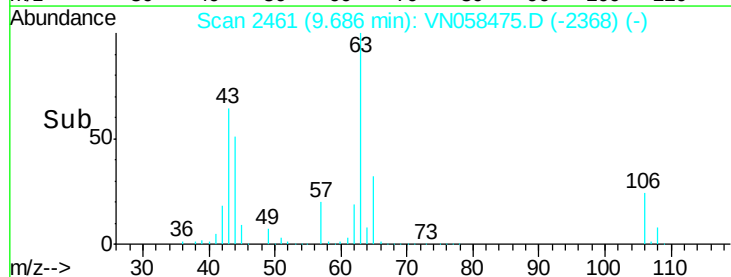
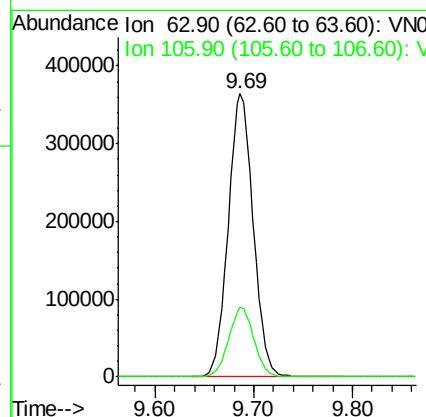
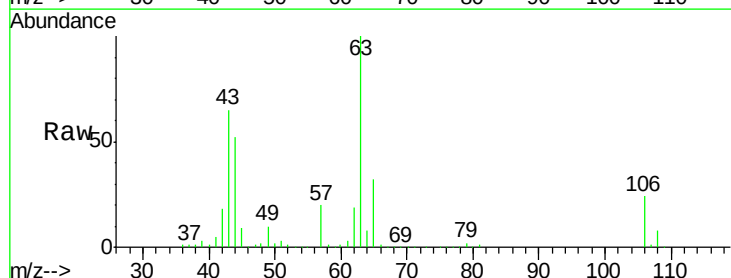
Manual Integrations
 APPROVED

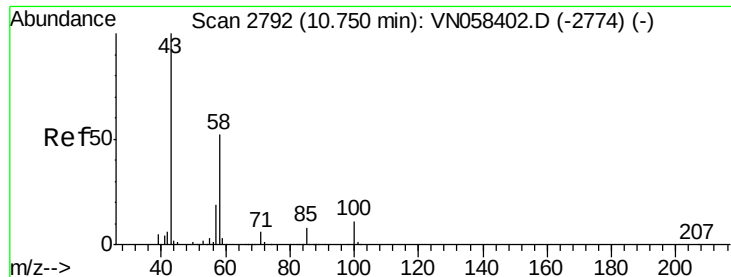
MMDadoda
 10/3/2019 1:35:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 292.634 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion: 63 Resp: 645920
 Ion Ratio Lower Upper
 63 100
 106 24.6 20.3 30.5





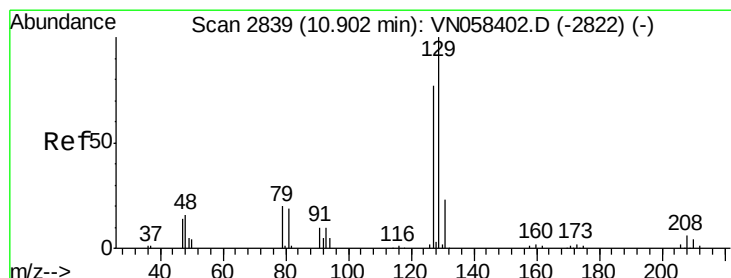
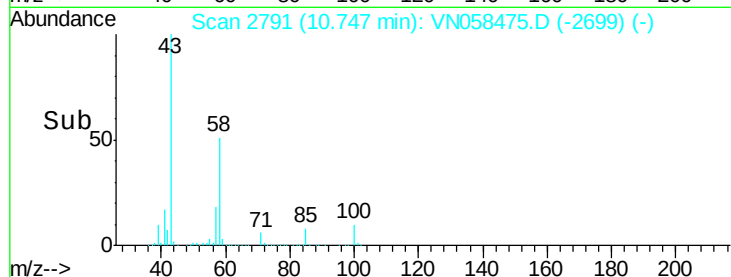
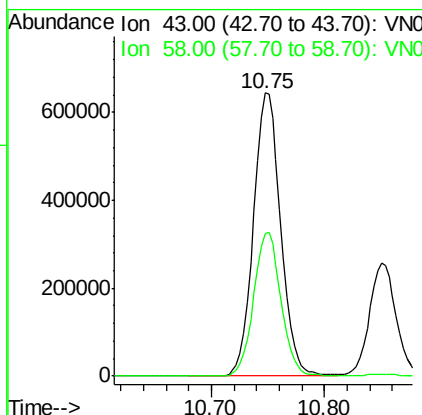
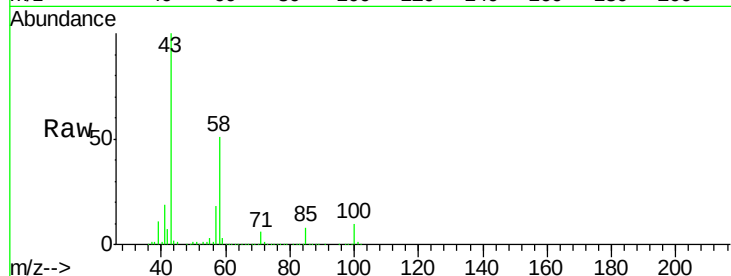
#59
2-Hexanone
Concen: 325.332 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1074269
Ion Ratio Lower Upper
43 100
58 51.1 25.8 77.3

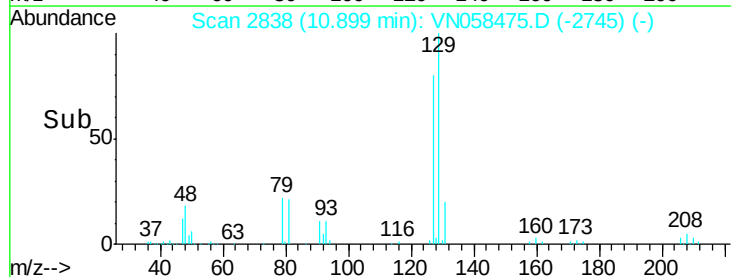
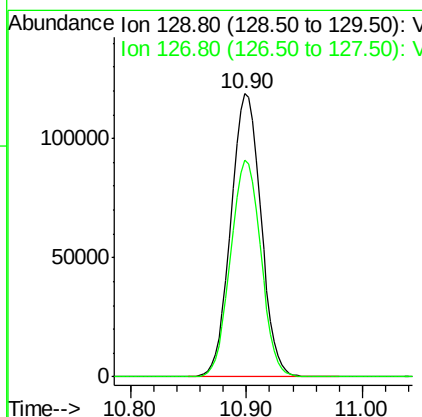
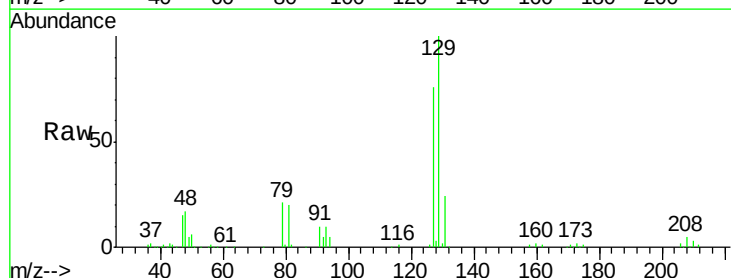
Manual Integrations
APPROVED

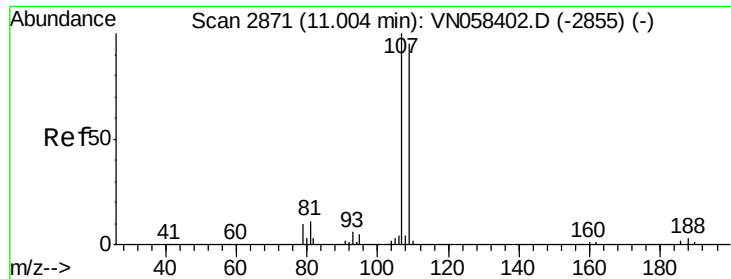
MMDadoda
10/3/2019 1:35:39 PM



#60
Dibromochloromethane
Concen: 56.534 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion: 129 Resp: 213294
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8





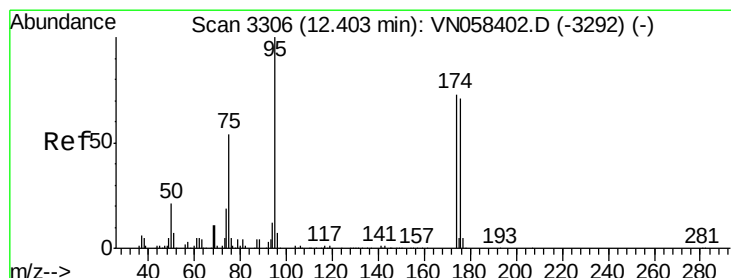
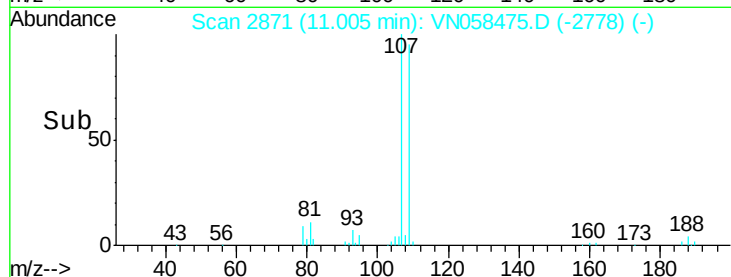
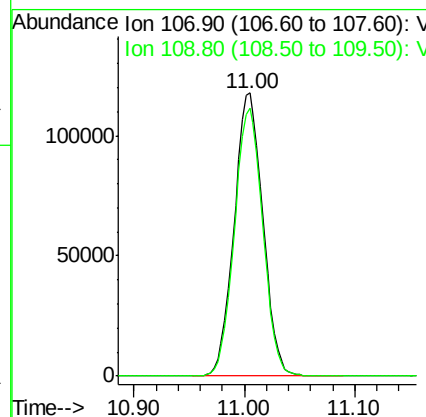
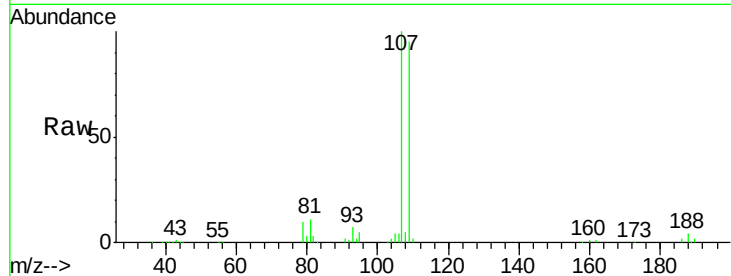
#61
 1,2-Dibromoethane
 Concen: 56.967 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.3	112.9

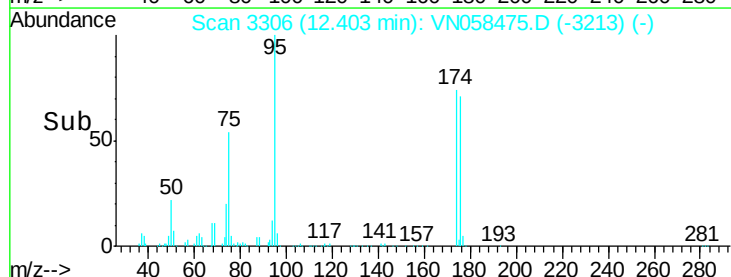
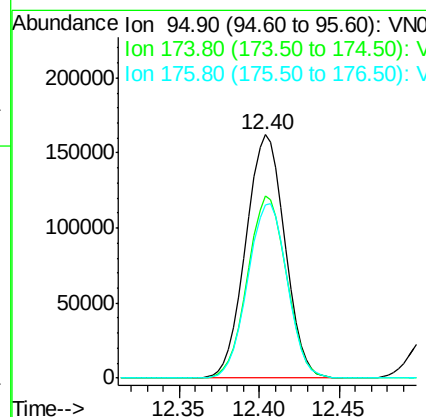
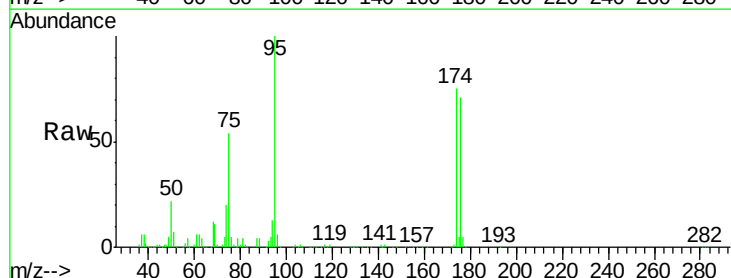
Manual Integrations
 APPROVED

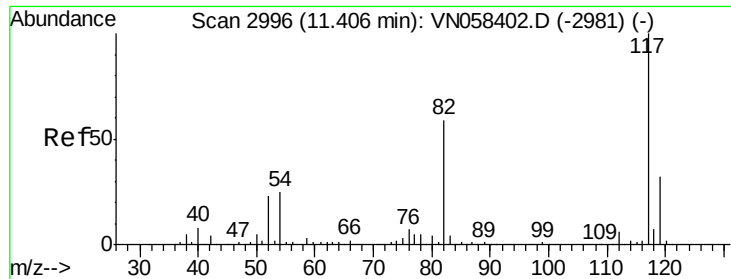
MMDadoda
 10/3/2019 1:35:39 PM



#62
 4-Bromofluorobenzene
 Concen: 53.660 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	150.6
176	72.6	0.0	146.2





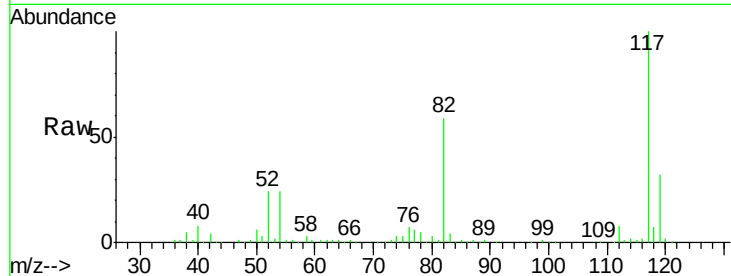
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.4	71.0
119	31.7	25.5	38.3

Manual Integrations
APPROVED

MMDadoda
10/3/2019 1:35:39 PM

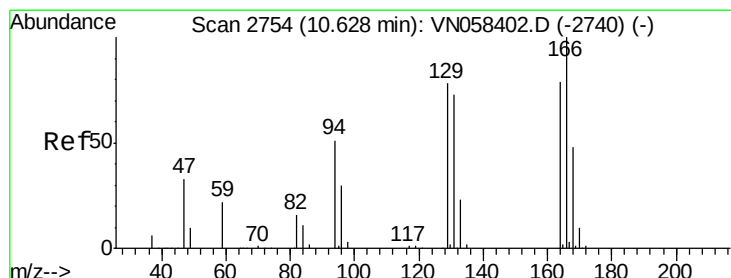
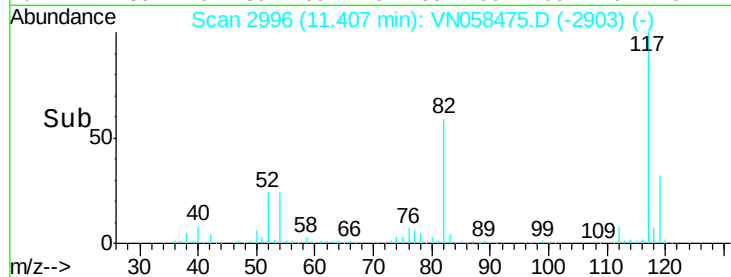
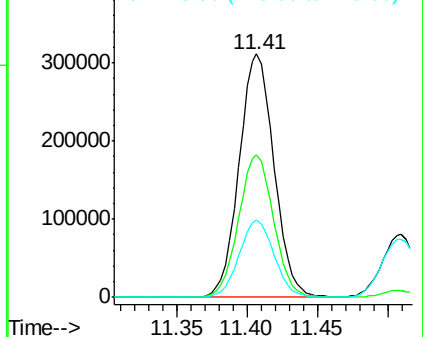


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 49.307 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.1	151.7
129	101.9	79.2	118.8
131	96.5	74.1	111.1

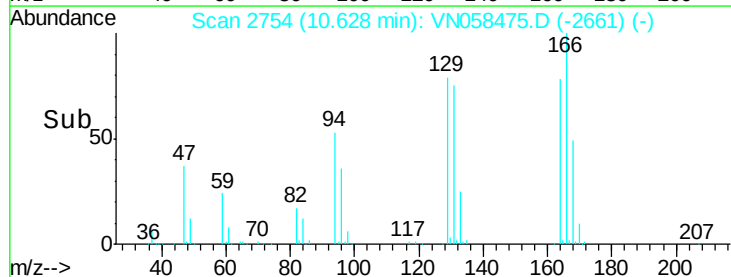
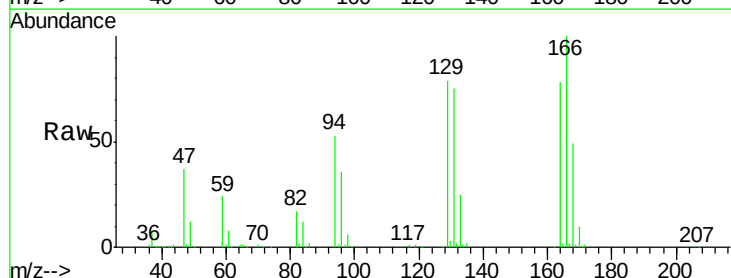
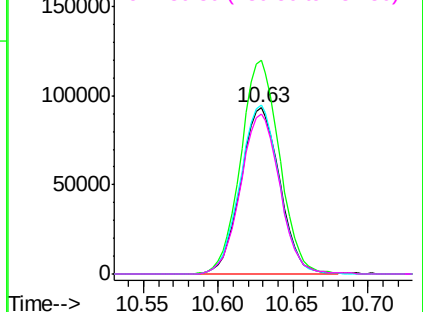
Abundance

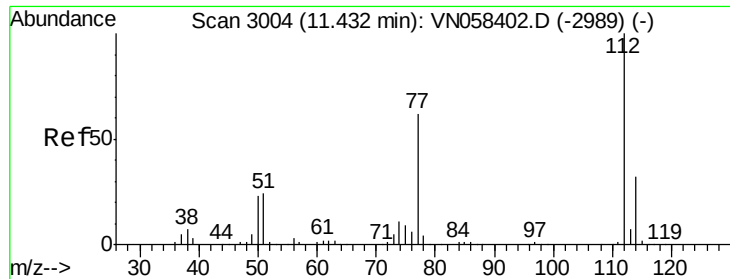
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





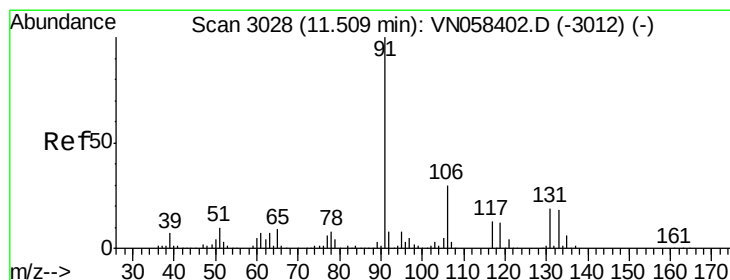
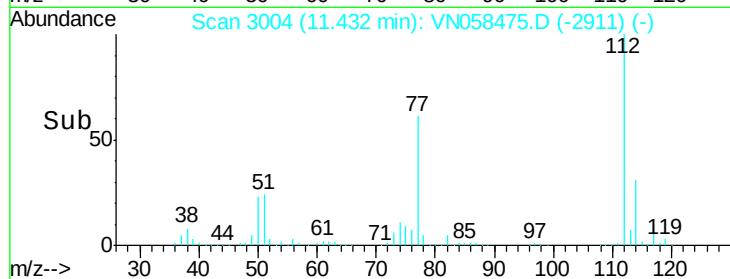
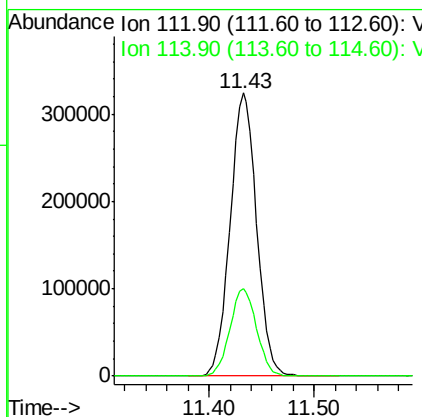
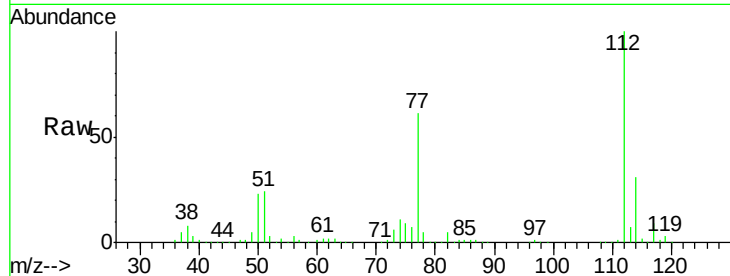
#65
Chlorobenzene
Concen: 52.168 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 560764
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.2

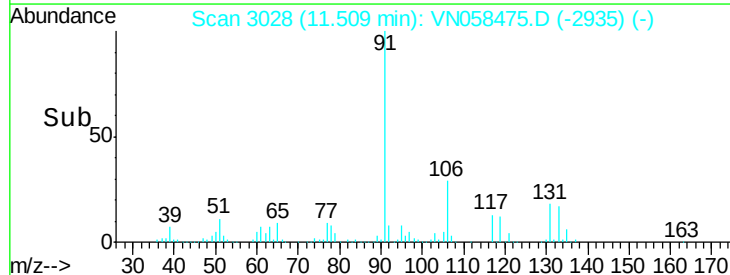
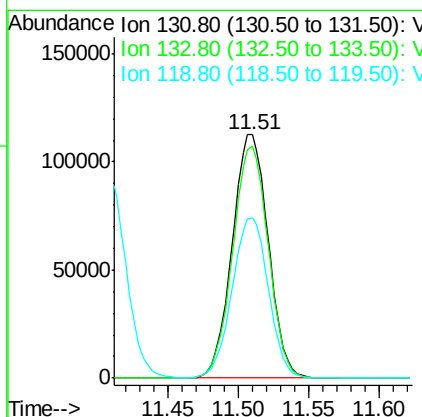
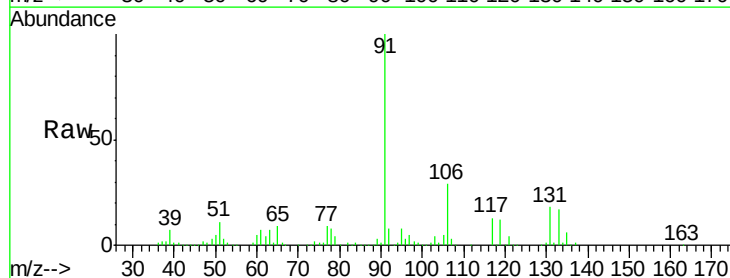
Manual Integrations
APPROVED

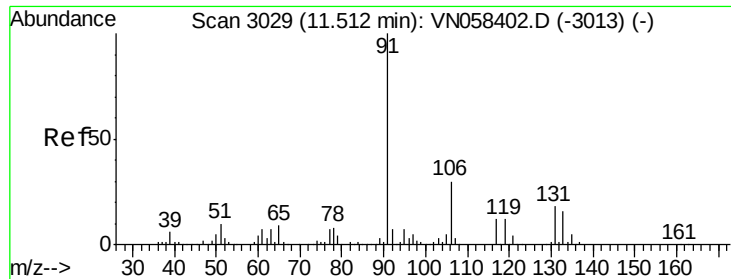
MMDadoda
10/3/2019 1:35:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.621 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion:131 Resp: 201438
Ion Ratio Lower Upper
131 100
133 94.3 47.8 143.3
119 66.3 33.0 99.0





#67

Ethyl Benzene

Concen: 54.050 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1052346

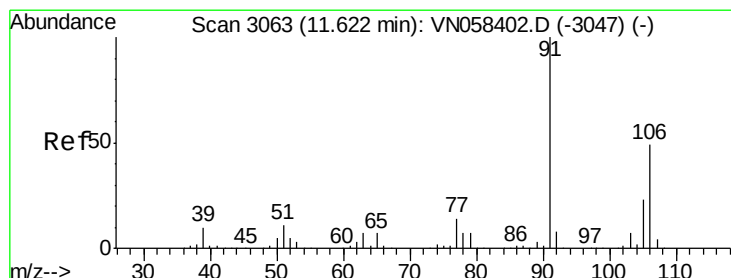
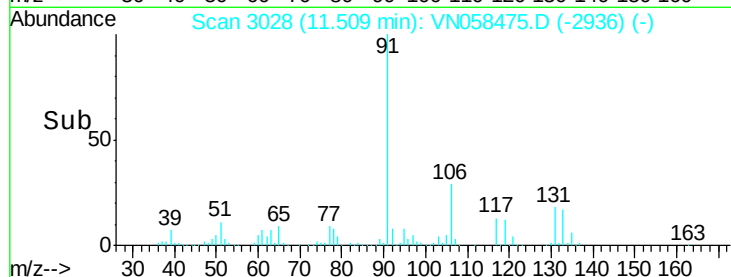
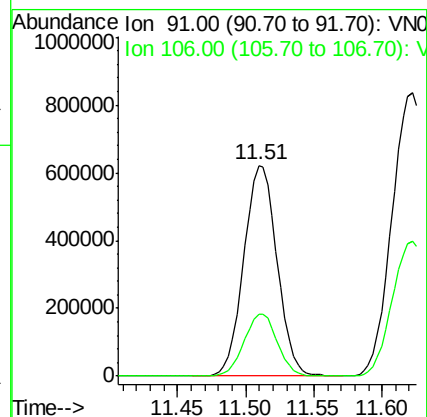
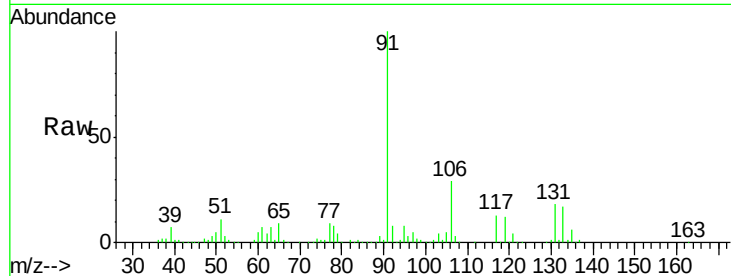
Ion Ratio Lower Upper

91 100

106 29.4 24.3 36.5

Manual Integrations
APPROVED

MMDadoda
10/3/2019 1:35:39 PM



#68

m/p-Xylenes

Concen: 104.993 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058475.D

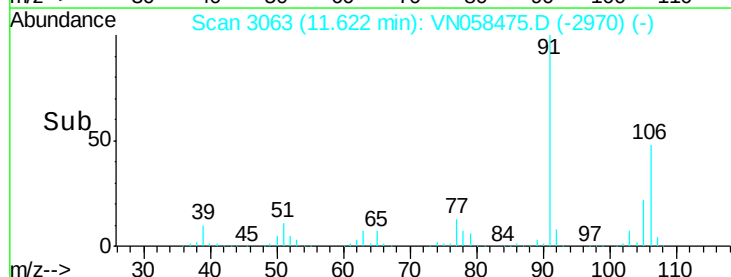
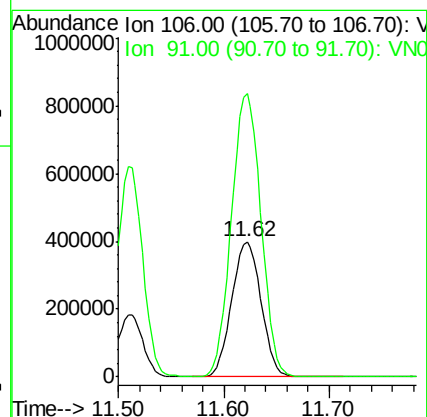
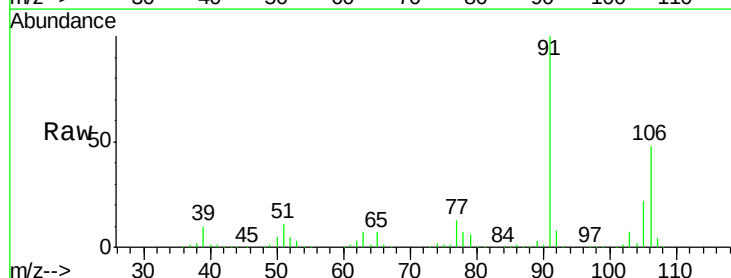
Acq: 2 Oct 2019 15:24

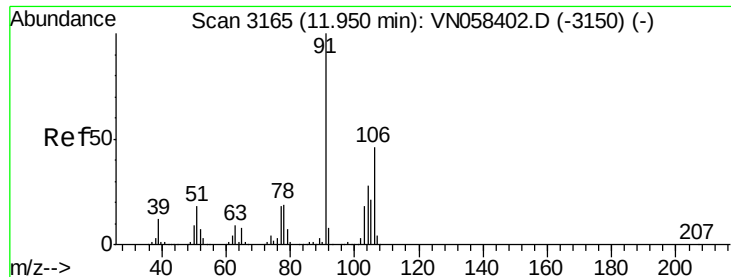
Tgt Ion: 106 Resp: 769110

Ion Ratio Lower Upper

106 100

91 210.2 165.0 247.4





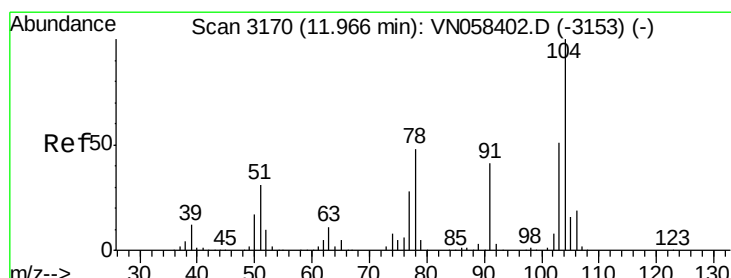
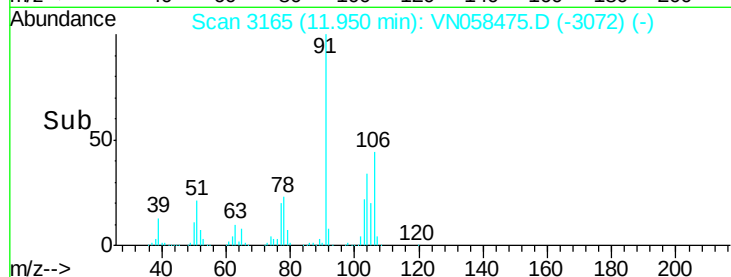
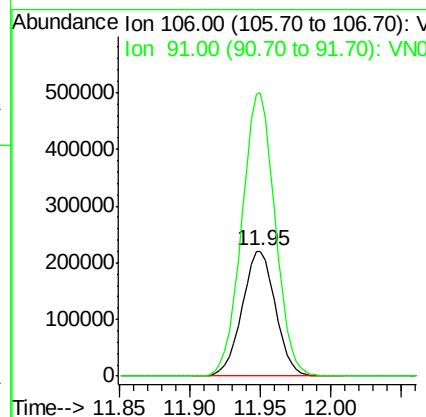
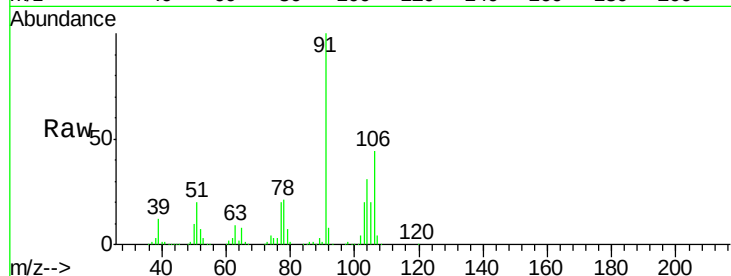
#69
o-Xylene
Concen: 51.941 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 366270
Ion Ratio Lower Upper
106 100
91 225.9 109.1 327.4

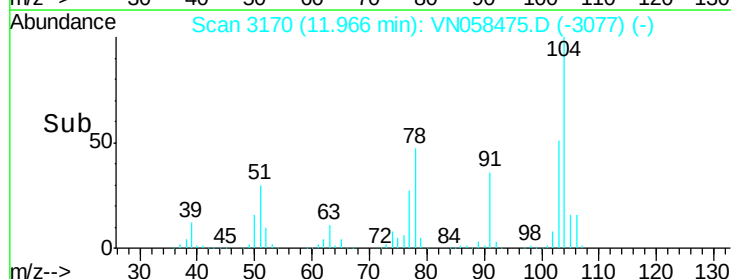
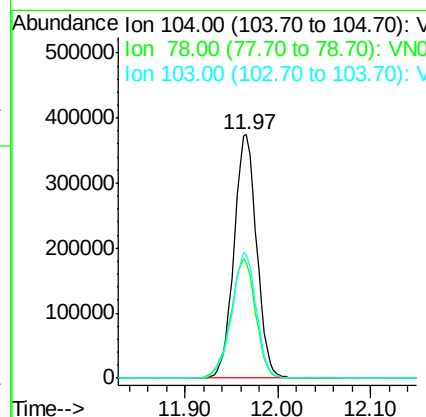
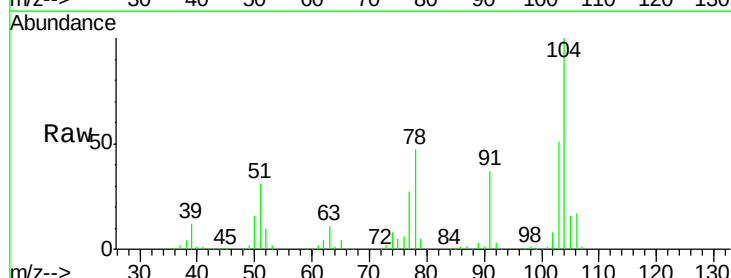
Manual Integrations
APPROVED

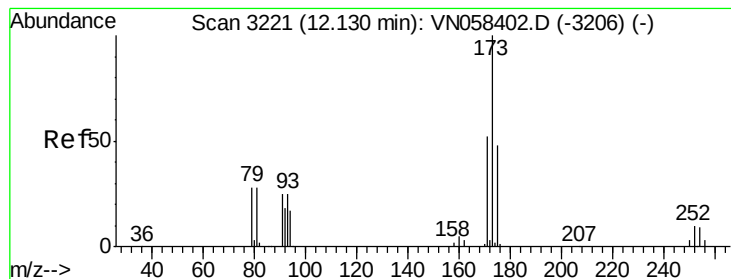
MMDadoda
10/3/2019 1:35:39 PM



#70
Styrene
Concen: 55.466 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion:104 Resp: 635412
Ion Ratio Lower Upper
104 100
78 53.6 42.8 64.2
103 55.5 43.7 65.5





#71

Bromoform

Concen: 53.973 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

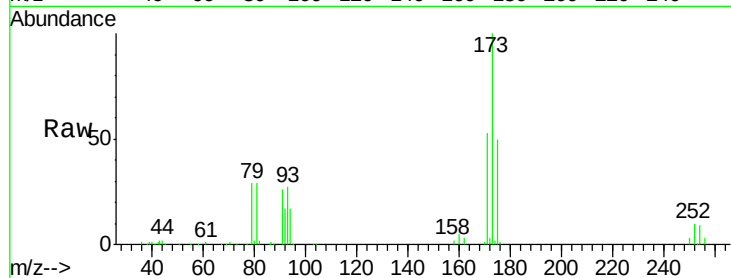
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	73.0
254	0.0	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
10/3/2019 1:35:39 PM

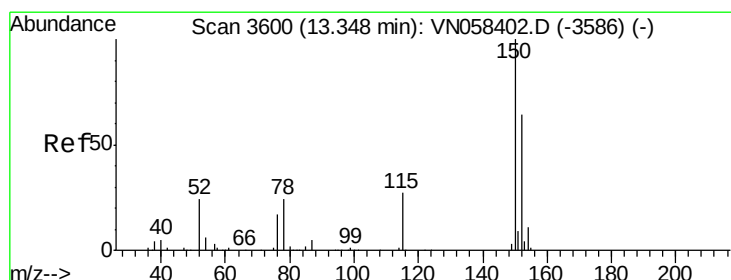
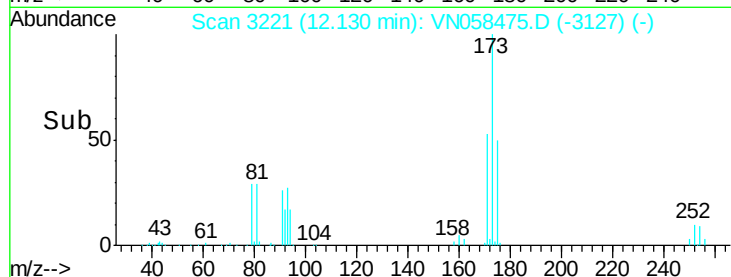
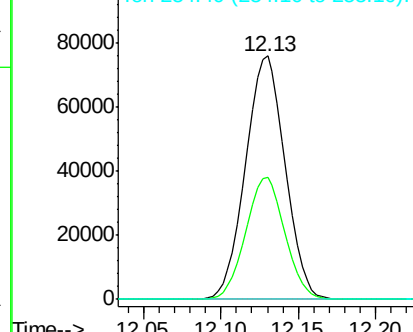


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

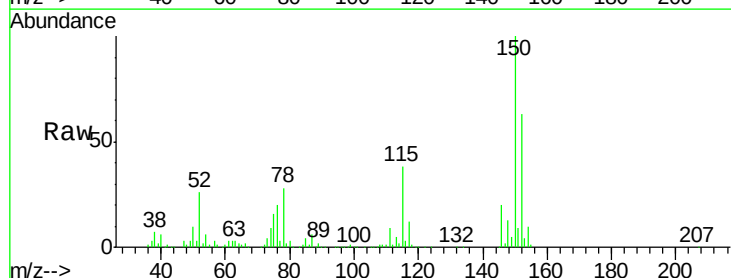
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	30.0	90.0
150	175.3	0.0	348.2

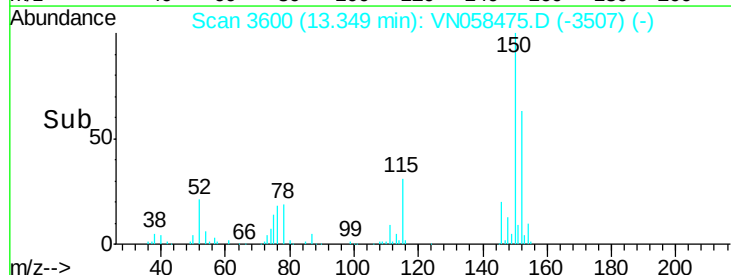
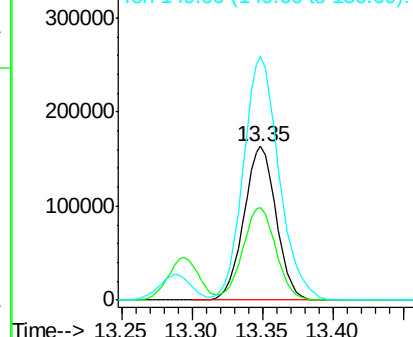


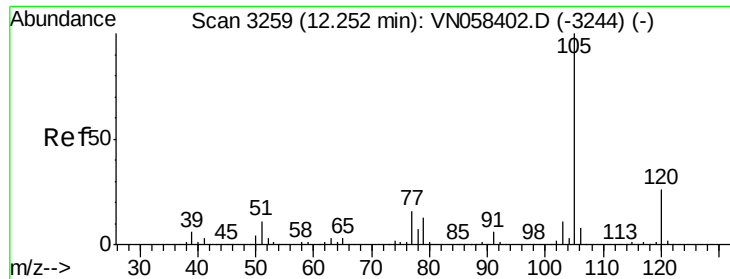
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.549 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1018152

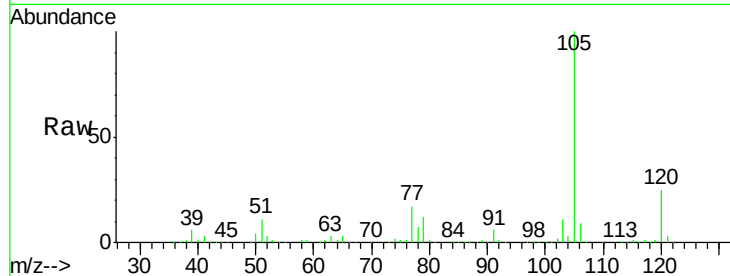
Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.4

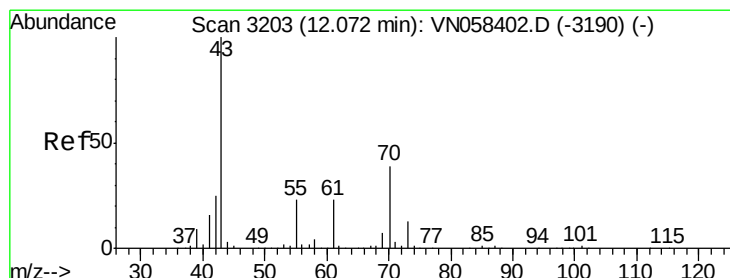
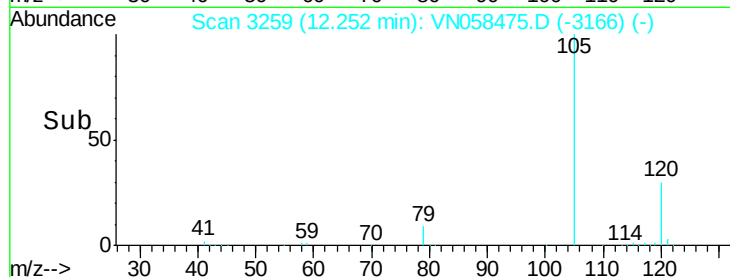
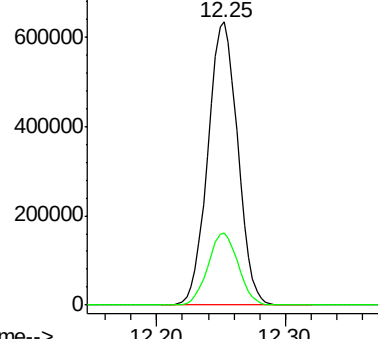
Manual Integrations
APPROVED

MMDadoda
10/3/2019 1:35:39 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.370 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Tgt Ion: 43 Resp: 426791

Ion Ratio Lower Upper

43 100

70 39.2 31.4 47.2

55 24.0 18.2 27.4

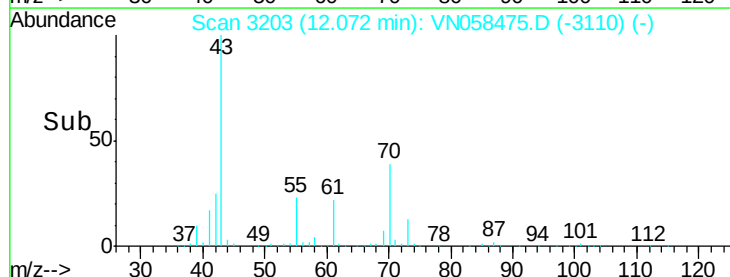
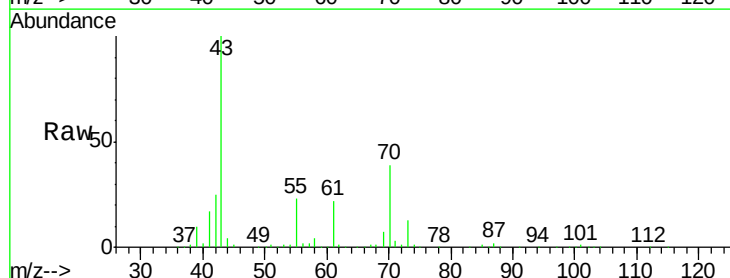
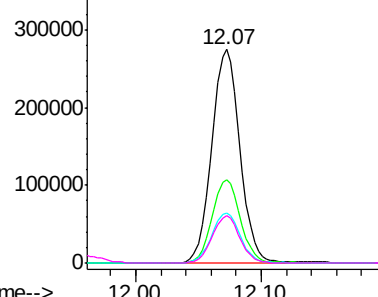
61 21.9 18.3 27.5

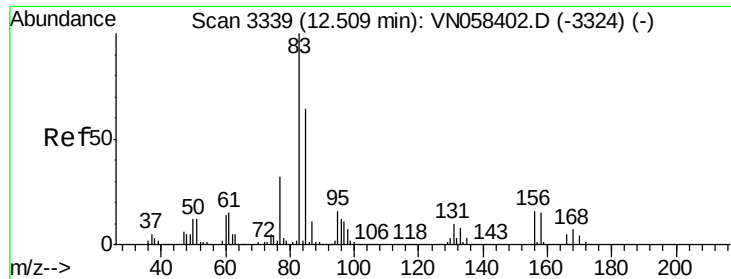
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 56.023 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

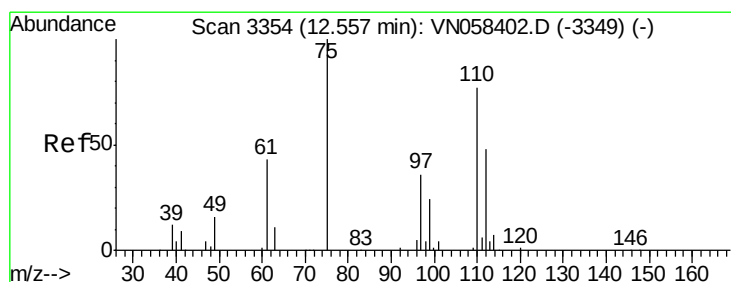
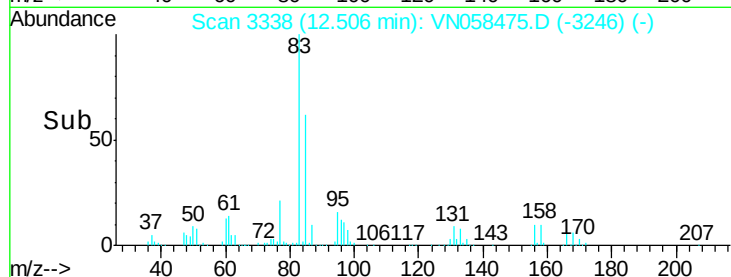
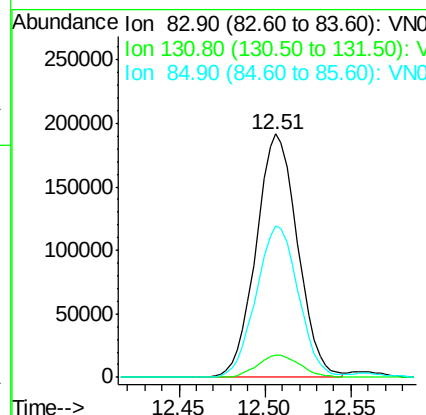
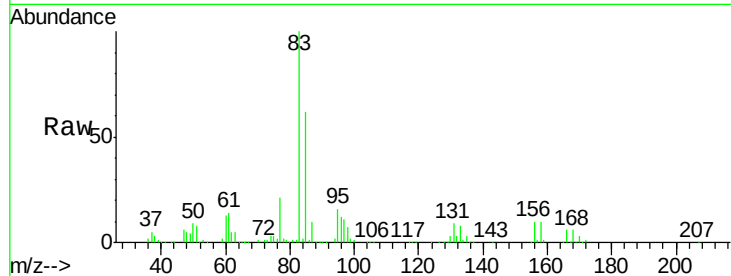
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	320971
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.7
85	63.5	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
10/3/2019 1:35:39 PM



#76

1,2,3-Trichloropropane

Concen: 54.423 ug/l m

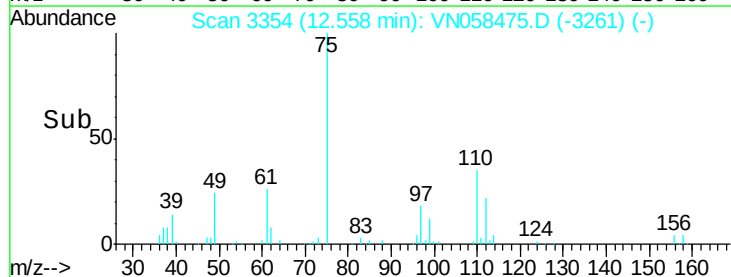
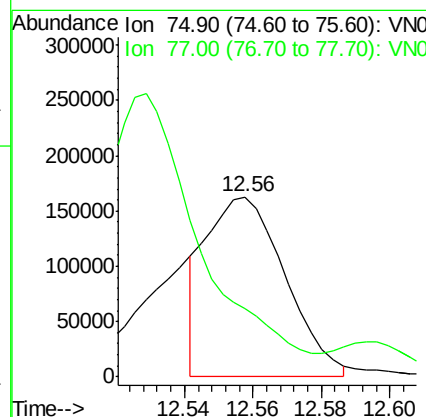
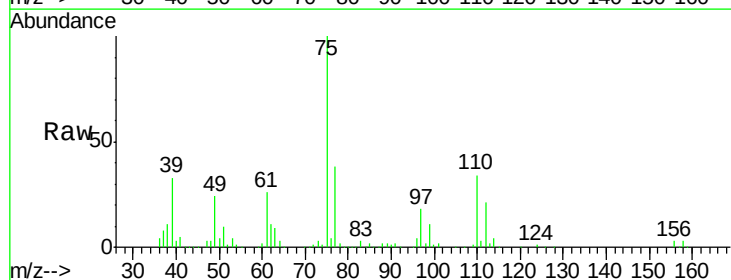
RT: 12.56 min Scan# 3354

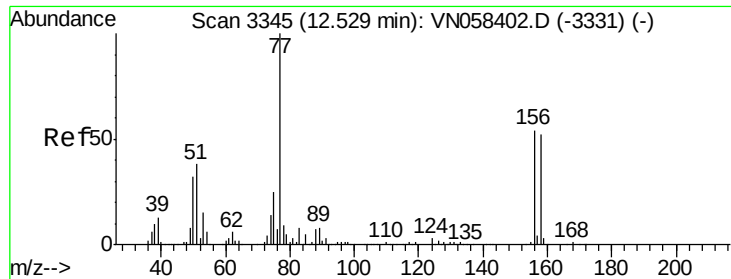
Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Tgt Ion:	75	Resp:	260609
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.339 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

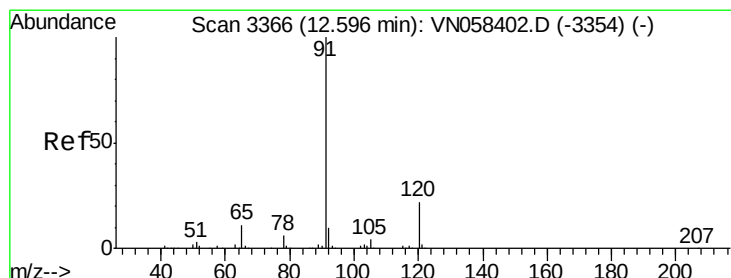
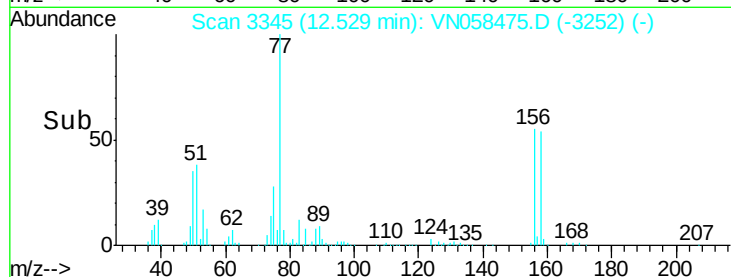
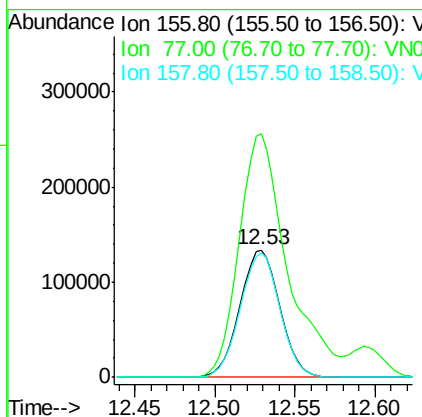
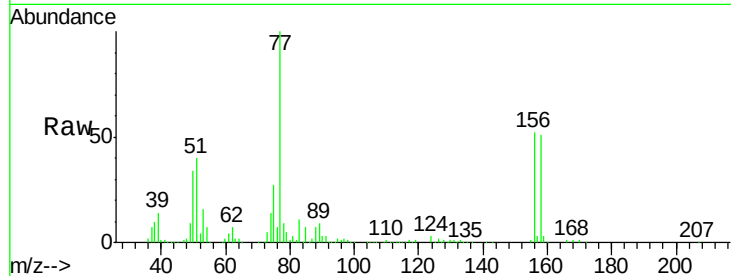
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		228694		
77	230.3		110.0	330.0	
158	97.2		47.9	143.8	

Manual Integrations
APPROVED

MMDadoda
10/3/2019 1:35:39 PM



#78

n-propylbenzene

Concen: 55.929 ug/l

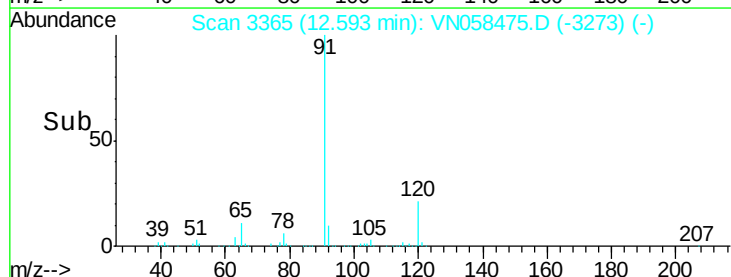
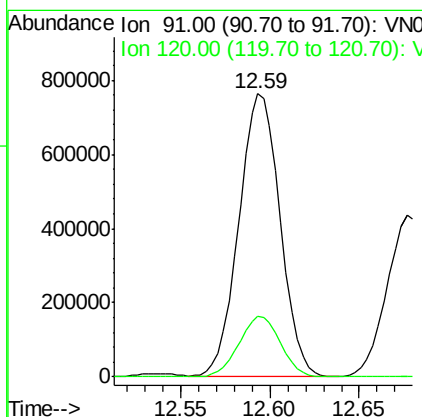
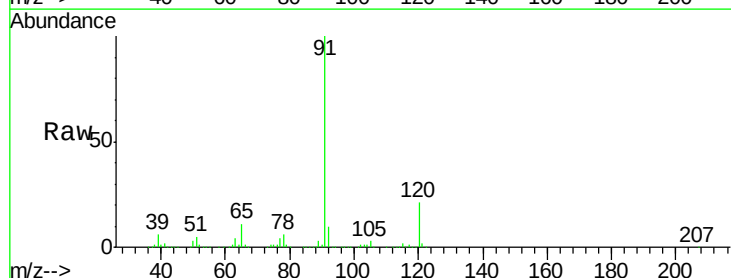
RT: 12.59 min Scan# 3365

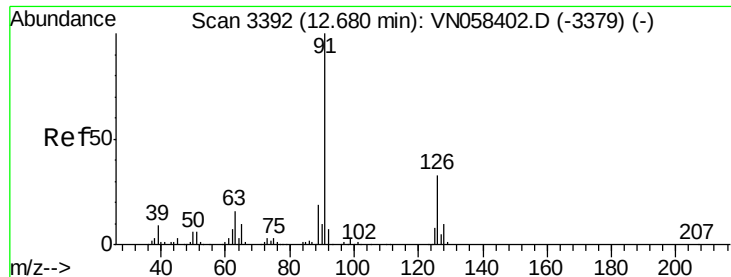
Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1220836		
120	21.6		10.9	32.9	





#79

2-Chlorotoluene

Concen: 52.730 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 710437

Ion Ratio Lower Upper

91 100

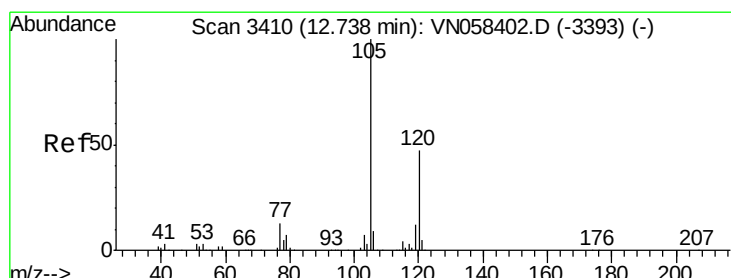
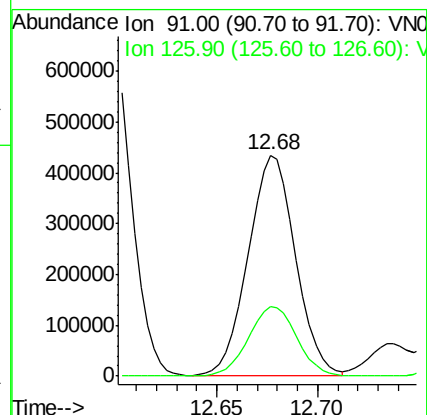
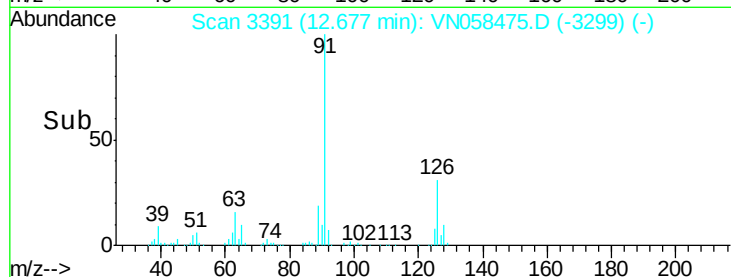
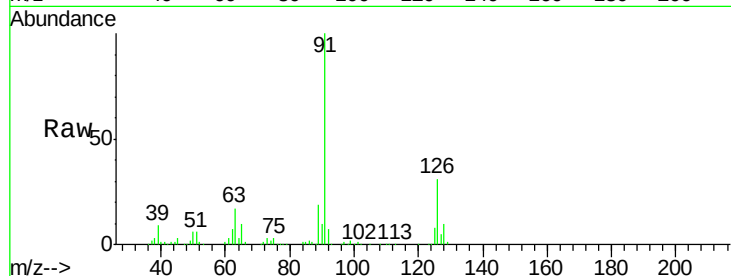
126 32.2 16.2 48.6

Manual Integrations

APPROVED

MMDadoda

10/3/2019 1:35:39 PM



#80

1,3,5-Trimethylbenzene

Concen: 54.226 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058475.D

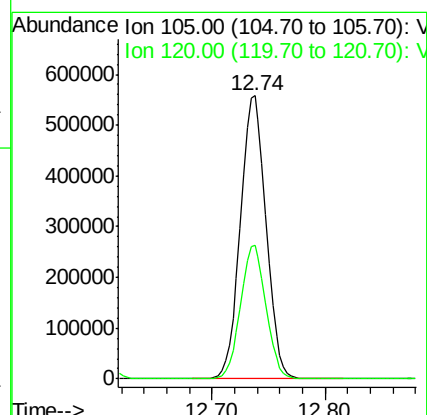
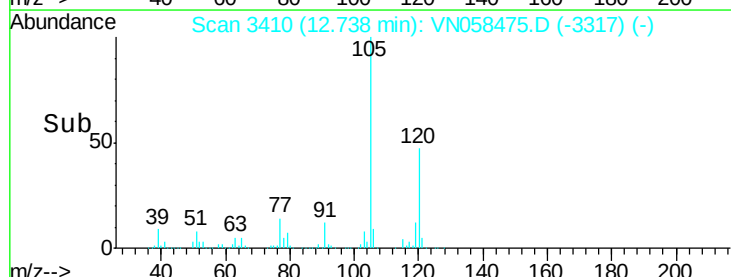
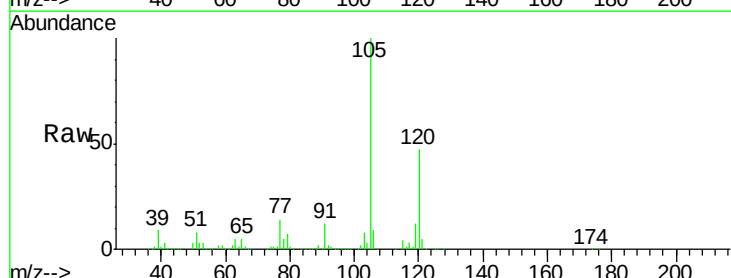
Acq: 2 Oct 2019 15:24

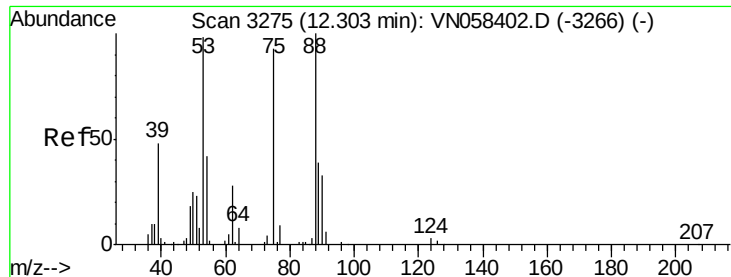
Tgt Ion: 105 Resp: 879482

Ion Ratio Lower Upper

105 100

120 46.9 23.5 70.6





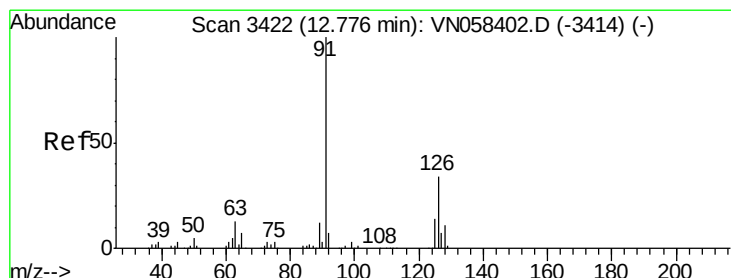
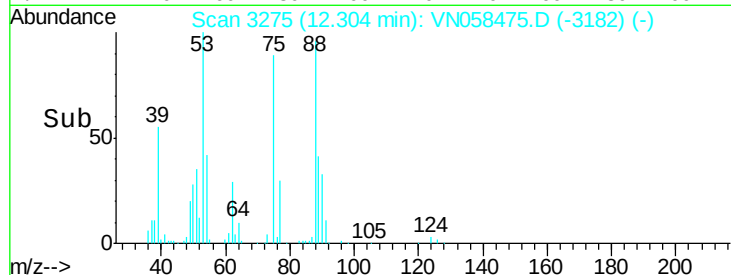
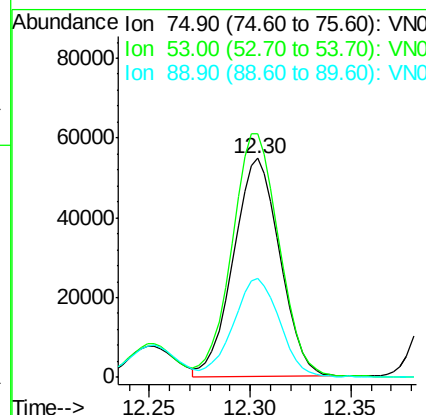
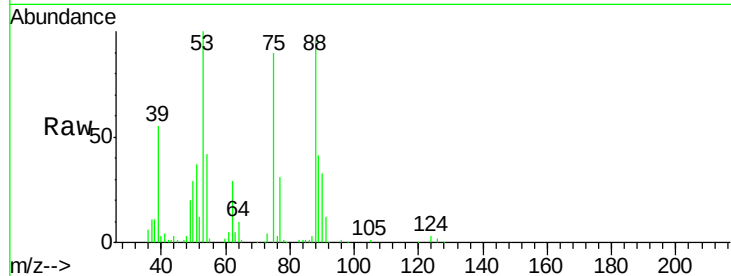
#81
trans-1,4-Dichloro-2-butene
Concen: 55.660 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.0	85.4	128.0
89	44.9	35.0	52.4

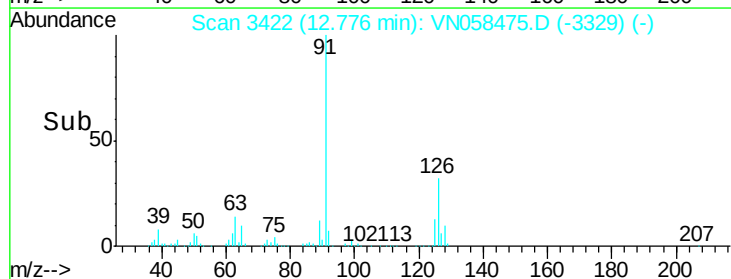
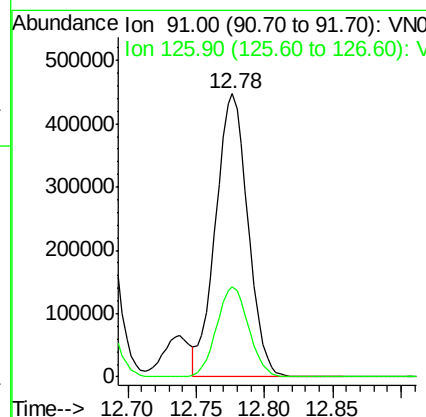
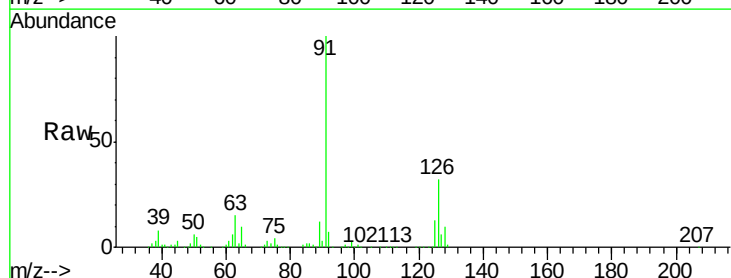
Manual Integrations
APPROVED

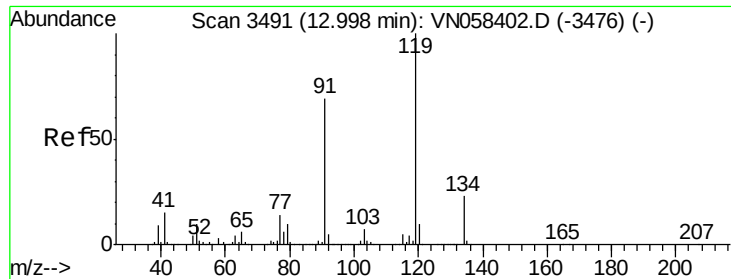
MMDadoda
10/3/2019 1:35:39 PM



#82
4-Chlorotoluene
Concen: 53.364 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.9	47.7





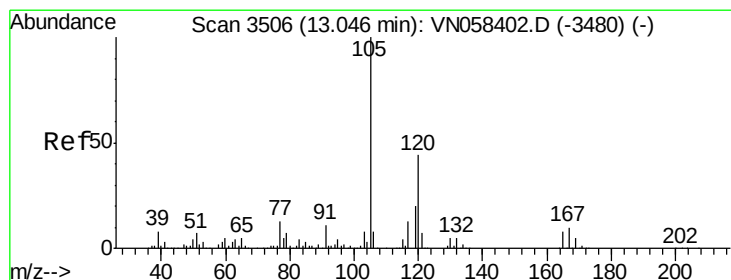
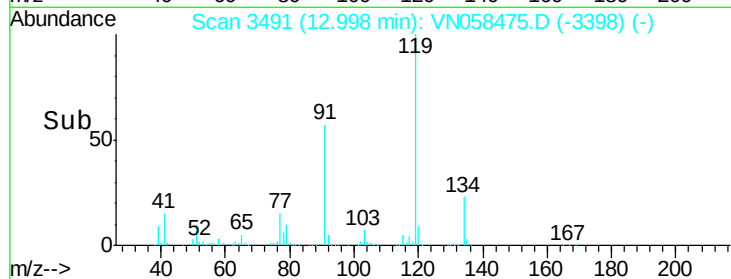
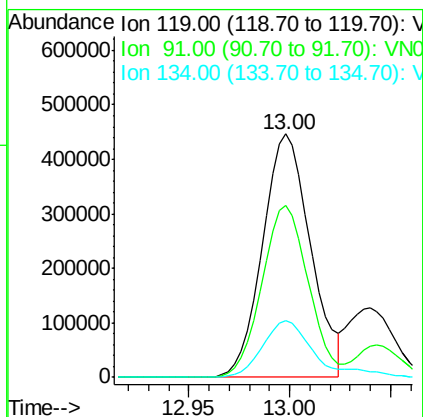
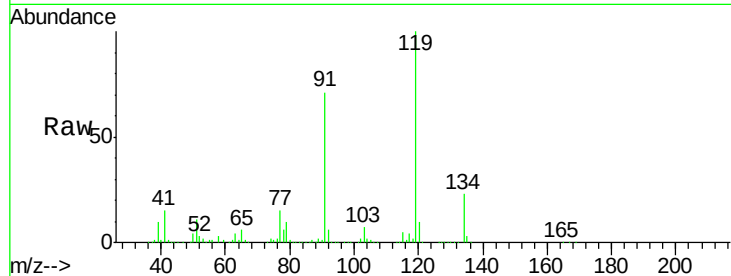
#83
 tert-Butylbenzene
 Concen: 54.049 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	34.2	102.6
134	25.3	11.6	34.8

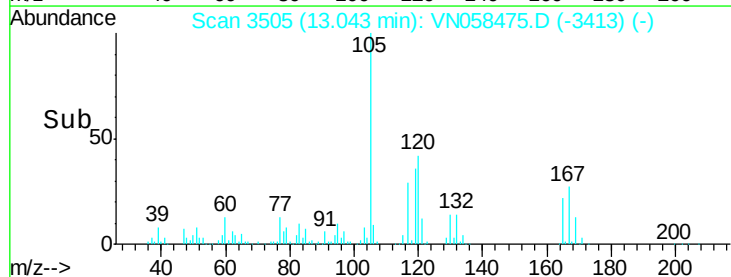
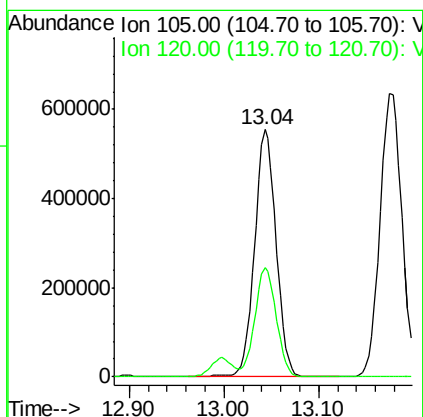
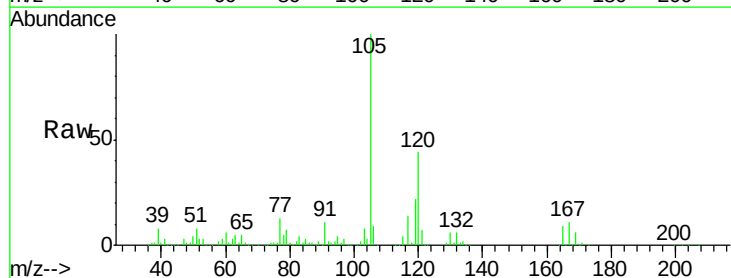
Manual Integrations
 APPROVED

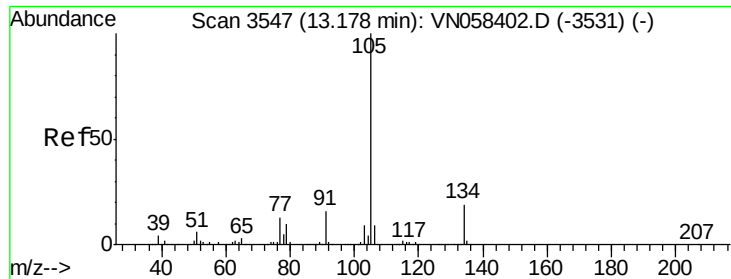
MMDadoda
 10/3/2019 1:35:39 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.813 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.7	65.1





#85

sec-Butylbenzene

Concen: 56.549 ug/l

RT: 13.18 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1018632

Ion Ratio Lower Upper

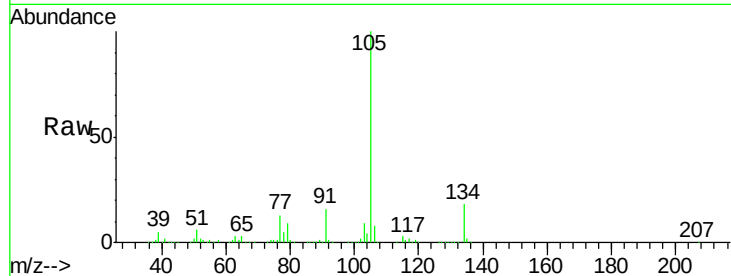
105 100

134 18.6 9.4 28.2

Manual Integrations
APPROVED

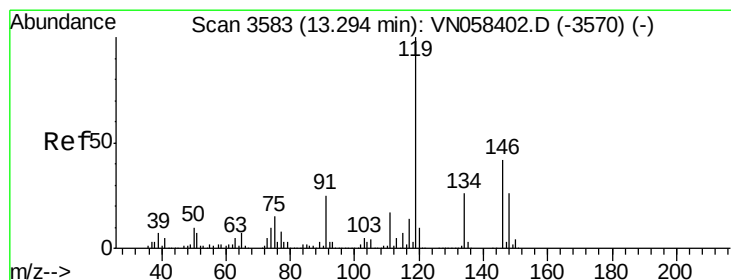
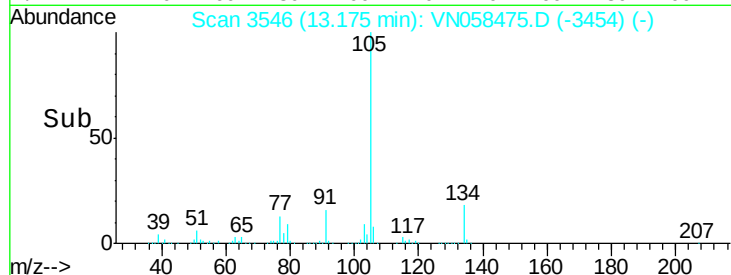
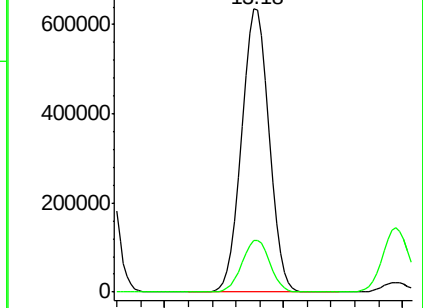
MMDadoda

10/3/2019 1:35:39 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.504 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

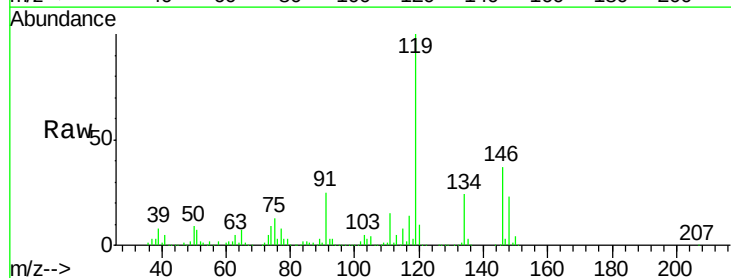
Tgt Ion:119 Resp: 911792

Ion Ratio Lower Upper

119 100

134 24.7 13.0 39.0

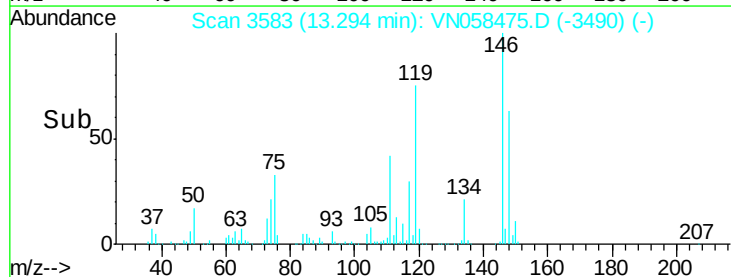
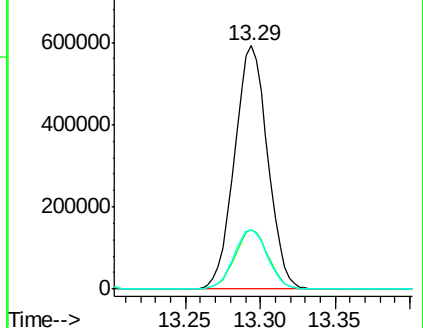
91 24.8 12.4 37.0

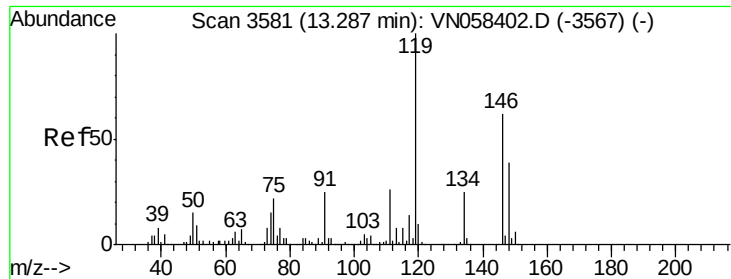


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





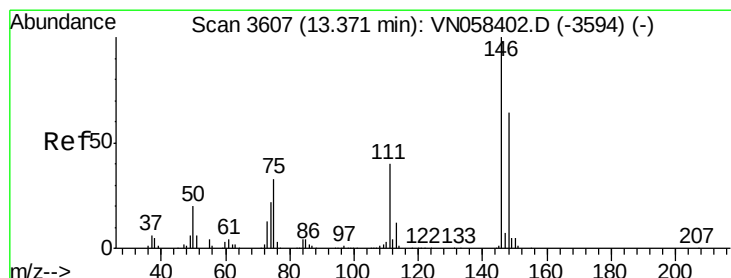
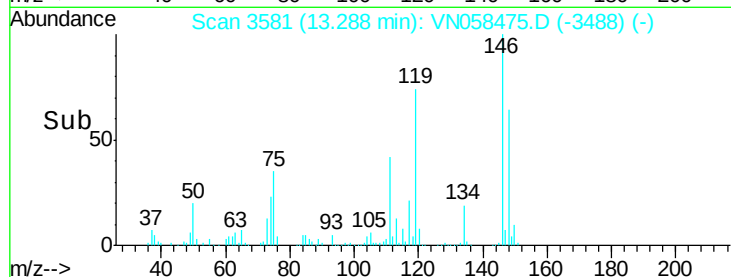
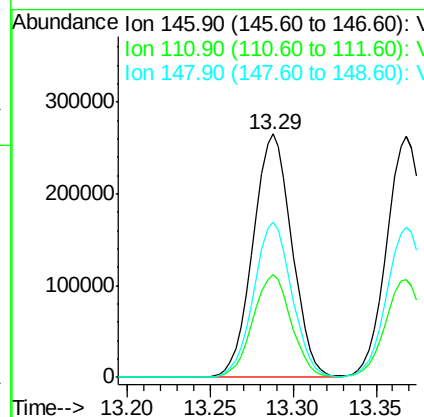
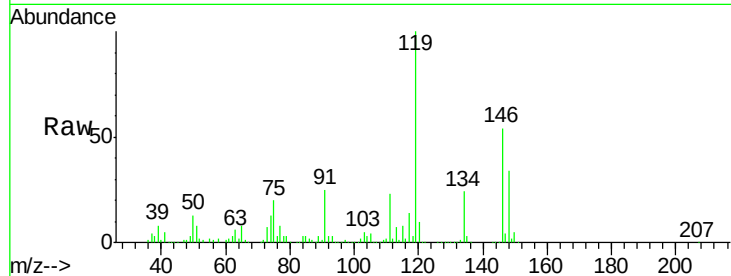
#87
 1,3-Dichlorobenzene
 Concen: 52.421 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	431832		
111	41.8	20.8	62.4	
148	62.5	31.4	94.3	

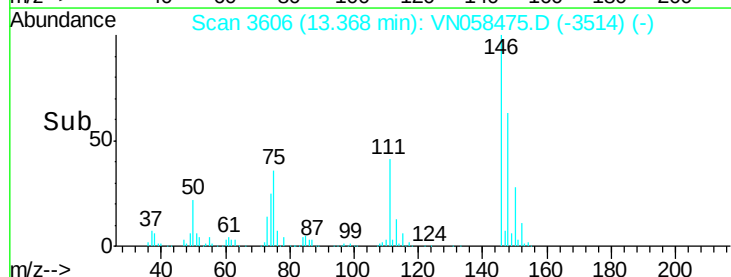
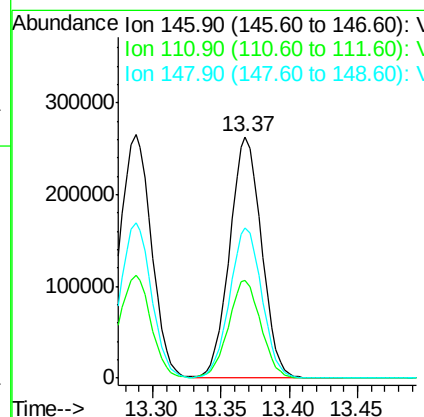
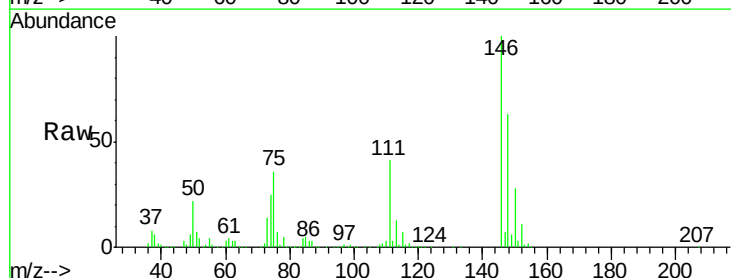
Manual Integrations
 APPROVED

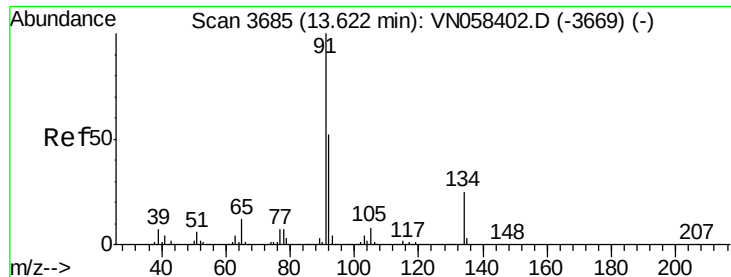
MMDadoda
 10/3/2019 1:35:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.866 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	425094		
111	41.0	20.5	61.6	
148	63.1	31.5	94.5	





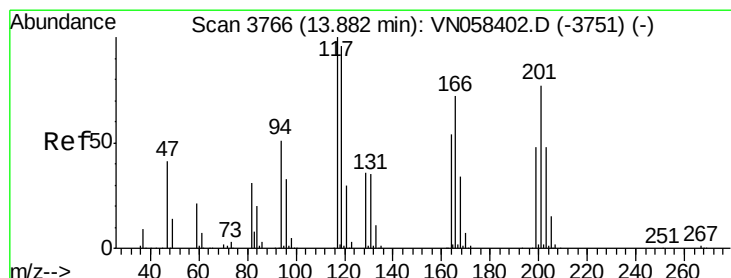
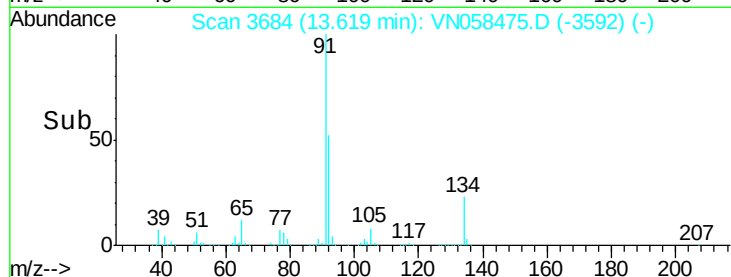
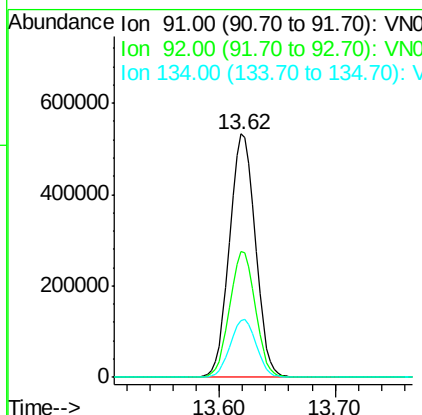
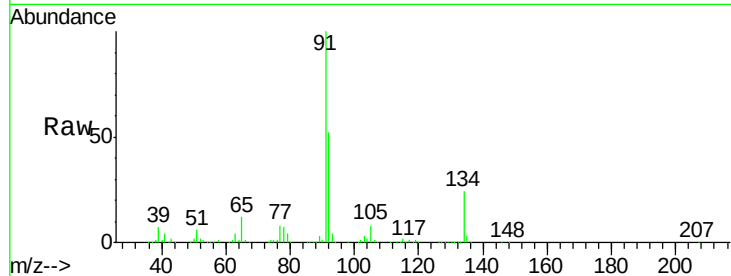
#89
n-Butylbenzene
Concen: 57.095 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.7	77.1
134	23.7	12.2	36.6

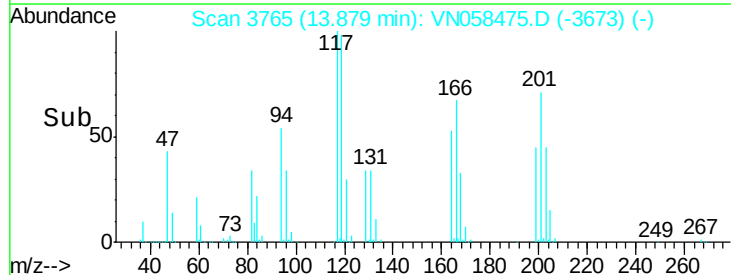
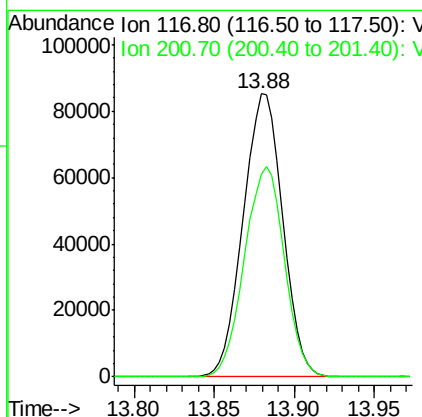
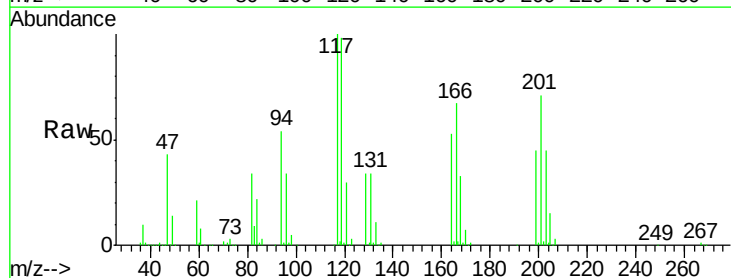
Manual Integrations
APPROVED

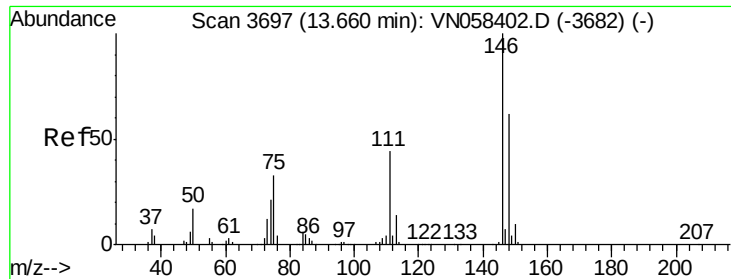
MMDadoda
10/3/2019 1:35:39 PM



#90
Hexachloroethane
Concen: 60.547 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.8	38.6	116.0





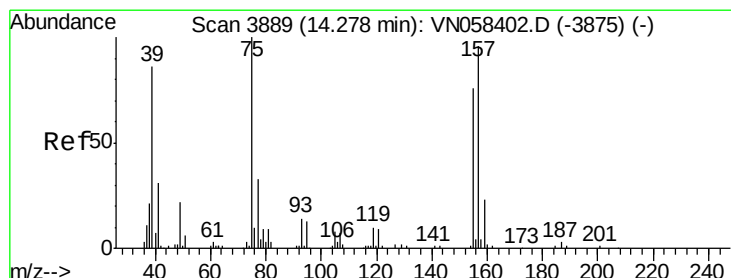
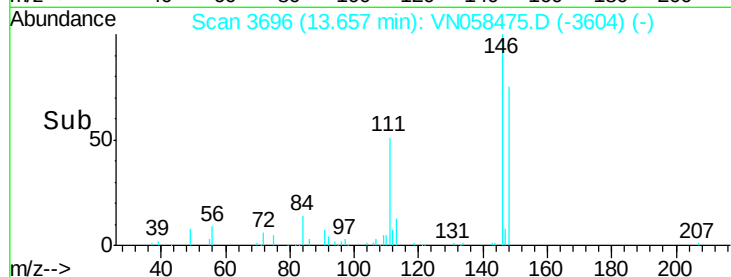
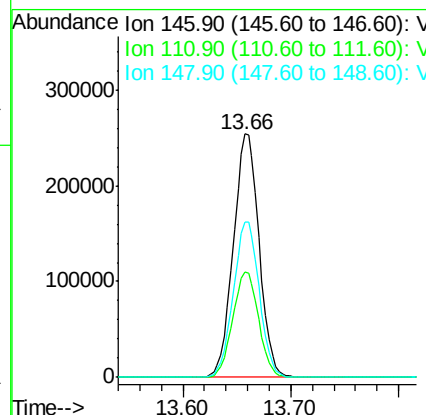
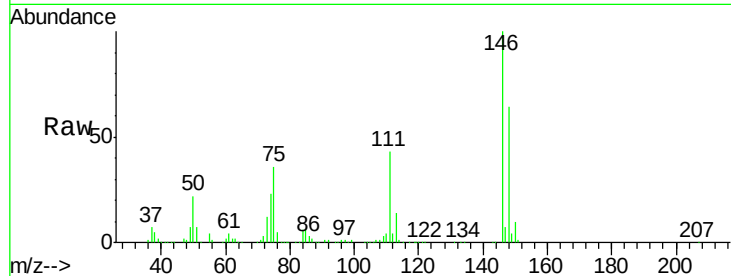
#91
 1,2-Dichlorobenzene
 Concen: 53.373 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.3
148	64.4	31.5	94.5

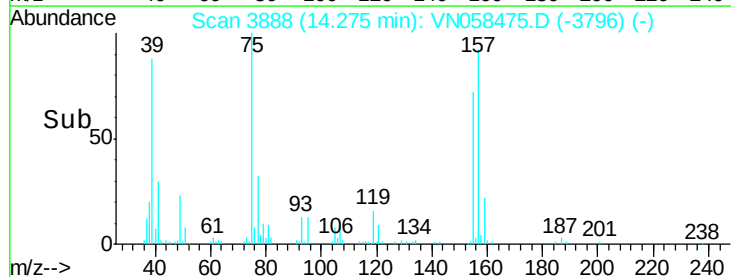
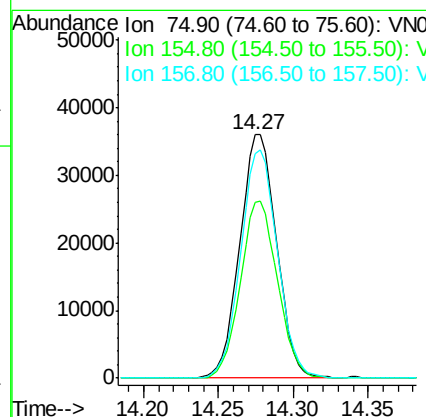
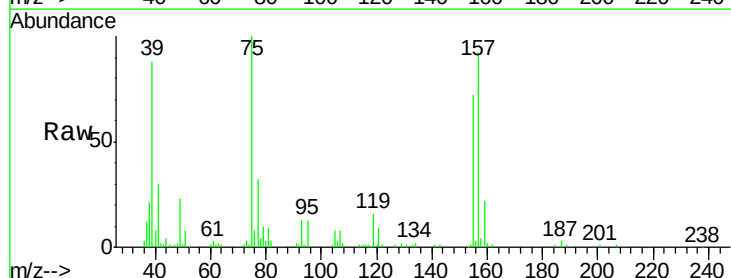
Manual Integrations
 APPROVED

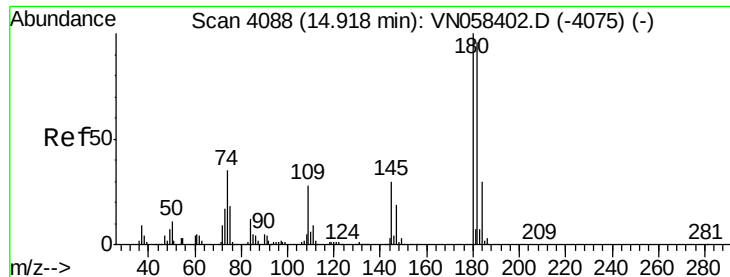
MMDadoda
 10/3/2019 1:35:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.113 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.0	39.2	117.6
157	93.4	48.7	146.1





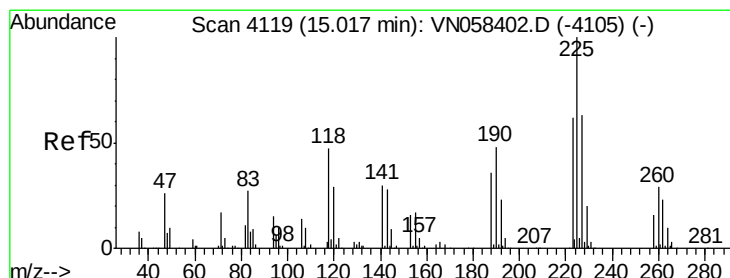
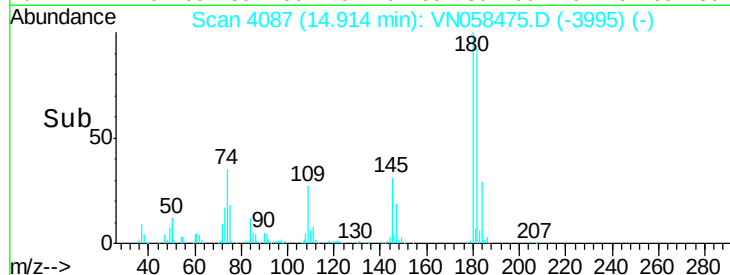
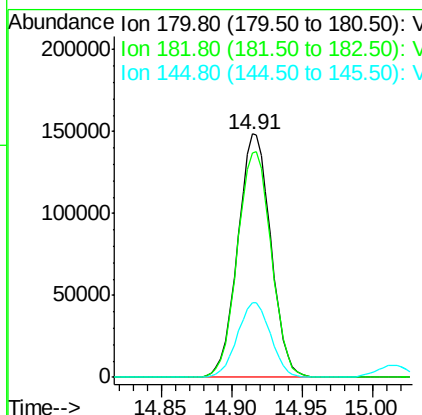
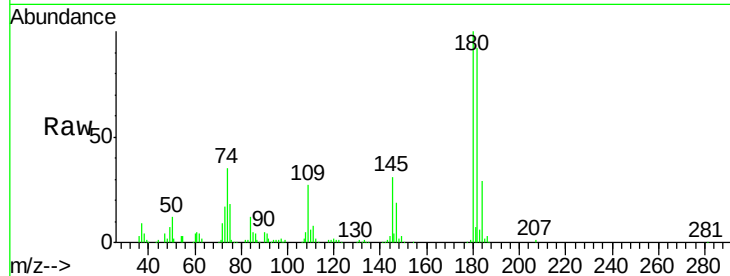
#93
 1,2,4-Trichlorobenzene
 Concen: 55.746 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	243823		
182	95.1	47.4	142.3	
145	31.1	15.3	45.9	

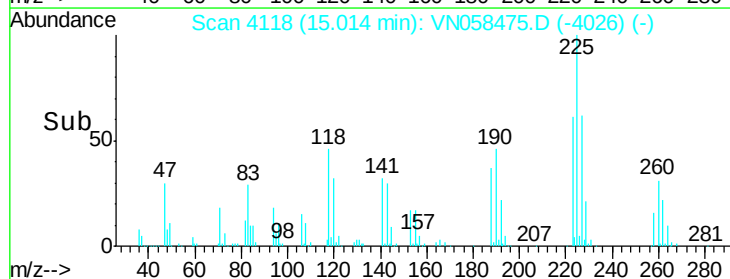
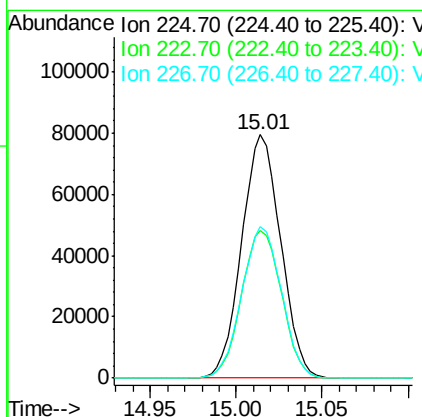
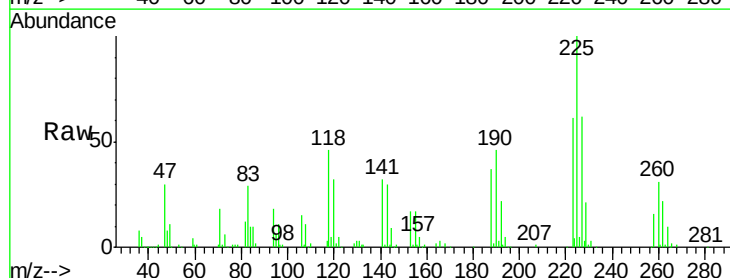
Manual Integrations
 APPROVED

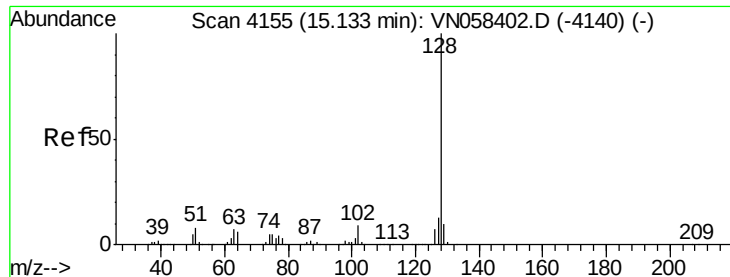
MMDadoda
 10/3/2019 1:35:39 PM



#94
 Hexachlorobutadiene
 Concen: 55.974 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	125834		
223	62.1	31.1	93.5	
227	63.0	31.4	94.2	





#95

Naphthalene

Concen: 52.341 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

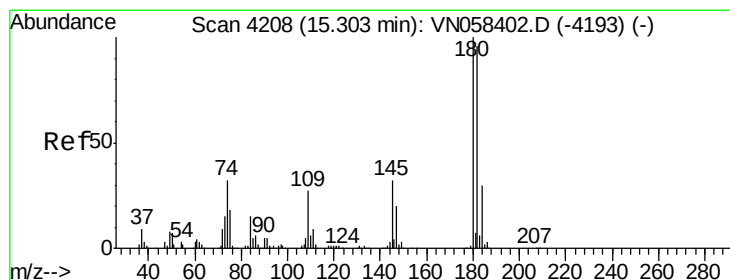
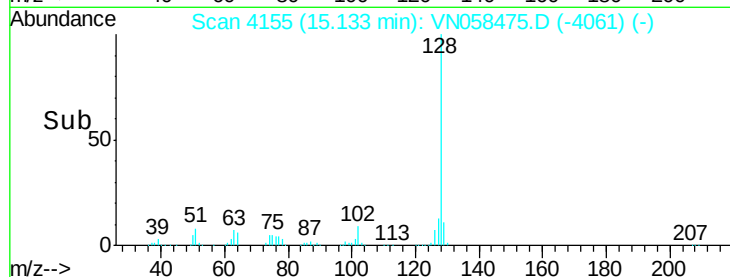
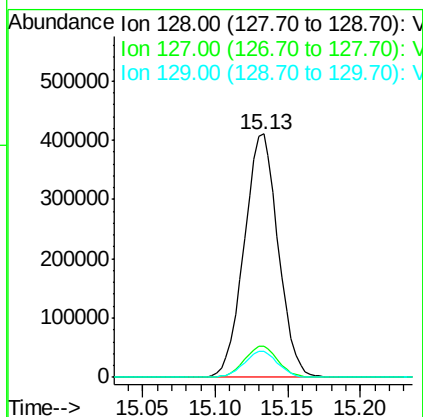
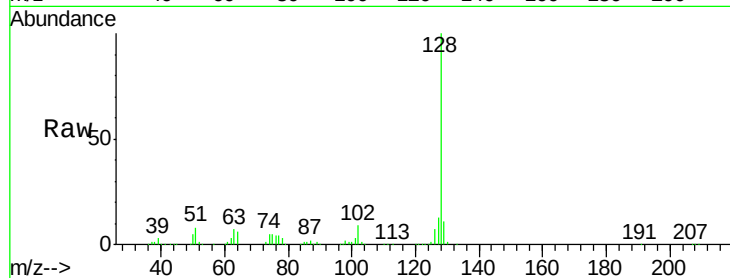
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	670414
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	10.6	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
10/3/2019 1:35:39 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.523 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Tgt Ion:	180	Resp:	234693
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.3	144.9
145	33.0	16.1	48.3

