

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
 Data File : VN059643.D
 Acq On : 17 Dec 2019 22:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/18/2019 10:05:12 AM

Quant Time: Dec 18 07:03:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	247235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	400347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	372903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177048	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	182591	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
35) Dibromofluoromethane	7.57	113	127041	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	10.08	98	495402	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.40	95	181746	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	153885	48.168	ug/l	98
3) Chloromethane	2.04	50	218109	43.021	ug/l	100
4) Vinyl Chloride	2.17	62	221398	46.051	ug/l	98
5) Bromomethane	2.52	94	117153	41.917	ug/l	99
6) Chloroethane	2.67	64	123053	45.541	ug/l	99
7) Trichlorofluoromethane	2.99	101	254425	48.233	ug/l	99
8) Diethyl Ether	3.38	74	84755	51.424	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	126420	47.557	ug/l	100
10) Methyl Iodide	3.92	142	171636	48.771	ug/l	99
11) Tert butyl alcohol	4.75	59	151564	229.795	ug/l	100
12) 1,1-Dichloroethene	3.71	96	122726	47.327	ug/l	93
13) Acrolein	3.58	56	90808	193.279	ug/l	99
14) Allyl chloride	4.29	41	252393	47.412	ug/l	98
15) Acrylonitrile	4.95	53	408851	256.269	ug/l	99
16) Acetone	3.79	43	453704	212.414	ug/l	99
17) Carbon Disulfide	4.02	76	385104	43.230	ug/l	100
18) Methyl Acetate	4.29	43	224416	50.141	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	459205	50.154	ug/l	100
20) Methylene Chloride	4.52	84	145707	47.234	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	137235	47.472	ug/l	98
22) Diisopropyl ether	5.92	45	504940	51.450	ug/l	98
23) Vinyl Acetate	5.86	43	2081890	270.311	ug/l	99
24) 1,1-Dichloroethane	5.82	63	280636	50.480	ug/l	99
25) 2-Butanone	6.81	43	621947	243.501	ug/l	98
26) 2,2-Dichloropropane	6.80	77	227656	45.057	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	157098	49.042	ug/l	98
28) Bromochloromethane	7.17	49	117267	50.196	ug/l	98
29) Tetrahydrofuran	7.18	42	391618	251.646	ug/l	99
30) Chloroform	7.35	83	273600	49.998	ug/l	100
31) Cyclohexane	7.63	56	248981	47.398	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	238093	48.261	ug/l	99
36) 1,1-Dichloropropene	7.77	75	208128	49.851	ug/l	99
37) Ethyl Acetate	6.90	43	244115	50.307	ug/l	100
38) Carbon Tetrachloride	7.75	117	211824	48.894	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
 Data File : VN059643.D
 Acq On : 17 Dec 2019 22:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/18/2019 10:05:12 AM

Quant Time: Dec 18 07:03:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	233723	49.353	ug/l	99
40) Benzene	8.02	78	608142	49.843	ug/l	99
41) Methacrylonitrile	7.15	41	106327m	53.094	ug/l	
42) 1,2-Dichloroethane	8.10	62	233337	49.938	ug/l	100
43) Isopropyl Acetate	8.14	43	386074	51.174	ug/l	99
44) Trichloroethene	8.82	130	153722	48.100	ug/l	99
45) 1,2-Dichloropropane	9.10	63	167394	50.806	ug/l	98
46) Dibromomethane	9.19	93	106121	49.163	ug/l	99
47) Bromodichloromethane	9.39	83	219795	51.072	ug/l	99
48) Methyl methacrylate	9.18	41	174868	51.088	ug/l	98
49) 1,4-Dioxane	9.19	88	42088	858.036	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1202596	267.356	ug/l	100
52) Toluene	10.14	92	368297	49.128	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	246345	49.494	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	262566	50.186	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	146587	49.830	ug/l	99
56) Ethyl methacrylate	10.42	69	232033	53.131	ug/l	98
57) 1,3-Dichloropropane	10.70	76	258974	50.561	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	432007	311.036	ug/l	100
59) 2-Hexanone	10.74	43	910065	256.710	ug/l	100
60) Dibromochloromethane	10.90	129	164051	51.095	ug/l	100
61) 1,2-Dibromoethane	11.00	107	153049	49.056	ug/l	100
64) Tetrachloroethene	10.62	164	162061	46.620	ug/l	98
65) Chlorobenzene	11.43	112	381299	47.257	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	146766	47.888	ug/l	99
67) Ethyl Benzene	11.50	91	709857	48.739	ug/l	100
68) m/p-Xylenes	11.62	106	522929	97.232	ug/l	99
69) o-Xylene	11.94	106	247630	48.390	ug/l	99
70) Styrene	11.96	104	407215	49.528	ug/l	99
71) Bromoform	12.12	173	116217	50.446	ug/l #	98
73) Isopropylbenzene	12.25	105	673838	48.483	ug/l	100
74) N-amyl acetate	12.07	43	324341	50.875	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	217625	49.362	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	201526m	45.980	ug/l	
77) Bromobenzene	12.52	156	159660	46.712	ug/l	98
78) n-propylbenzene	12.59	91	803808	48.926	ug/l	99
79) 2-Chlorotoluene	12.67	91	473497	47.663	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	569075	48.385	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	84642	47.698	ug/l	99
82) 4-Chlorotoluene	12.77	91	486636	47.842	ug/l	100
83) tert-Butylbenzene	12.99	119	472276	47.415	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	580123	49.604	ug/l	99
85) sec-Butylbenzene	13.17	105	644267	48.626	ug/l	99
86) p-Isopropyltoluene	13.29	119	584059	48.672	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	287531	45.749	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	284975	44.972	ug/l	100
89) n-Butylbenzene	13.61	91	531368	47.231	ug/l	99
90) Hexachloroethane	13.87	117	111877	49.323	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	284653	45.924	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	51536	43.056	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
Data File : VN059643.D
Acq On : 17 Dec 2019 22:06
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

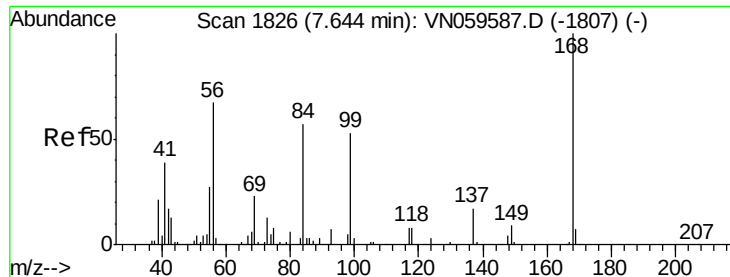
Manual Integrations
APPROVED

apatel
12/18/2019 10:05:12 AM

Quant Time: Dec 18 07:03:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	176431	44.080	ug/l	98
94) Hexachlorobutadiene	15.00	225	87120	41.562	ug/l	98
95) Naphthalene	15.12	128	522361	43.718	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	177201	43.773	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 247235

Ion Ratio Lower Upper

168 100

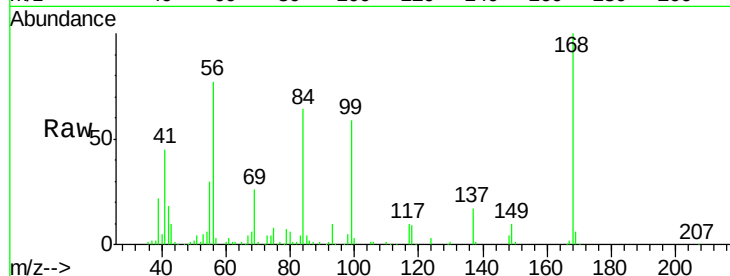
99 59.1 48.2 72.4

Manual Integrations

APPROVED

apatel

12/18/2019 10:05:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

60000

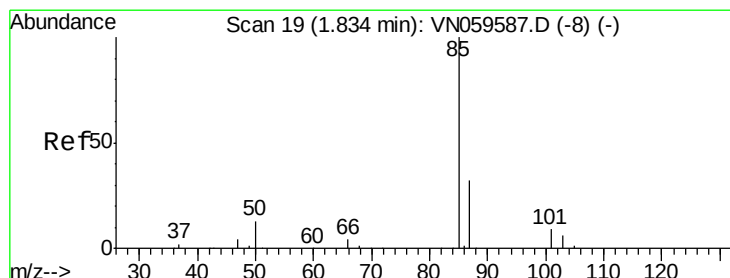
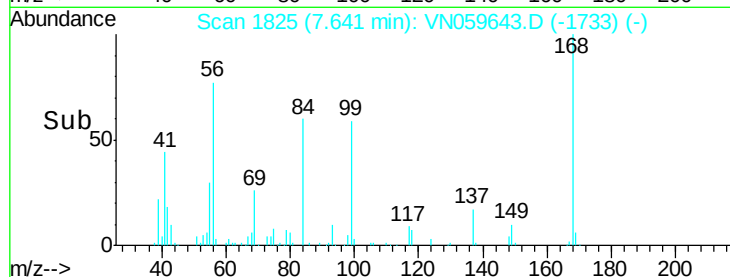
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.168 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059643.D

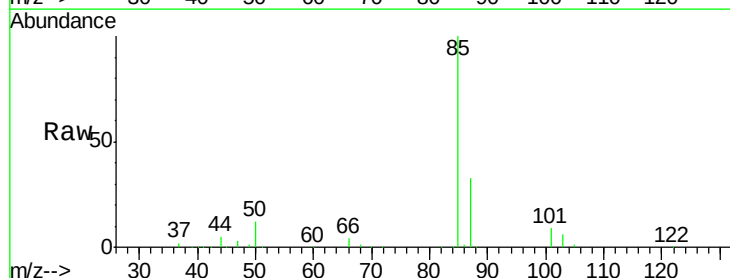
Acq: 17 Dec 2019 22:06

Tgt Ion: 85 Resp: 153885

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

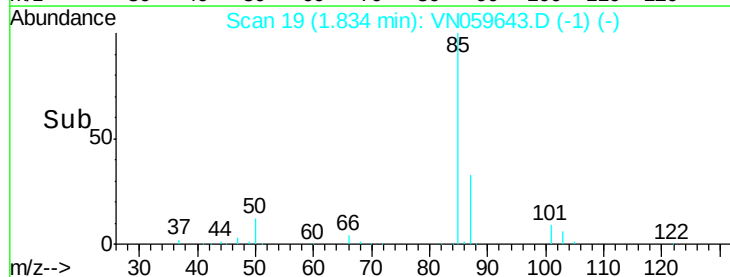
100000

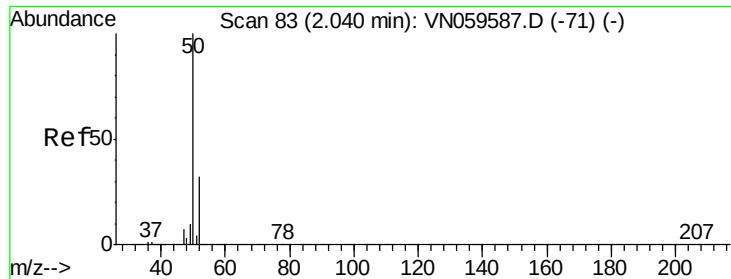
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 43.021 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 218109

Ion Ratio Lower Upper

50 100

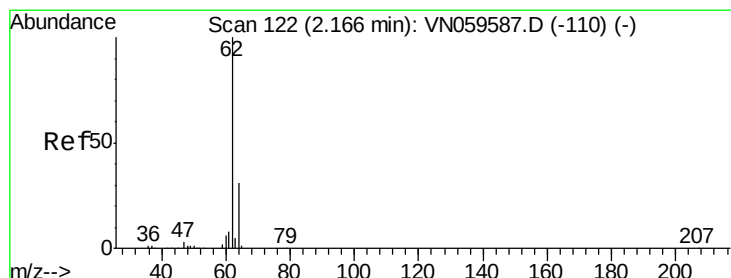
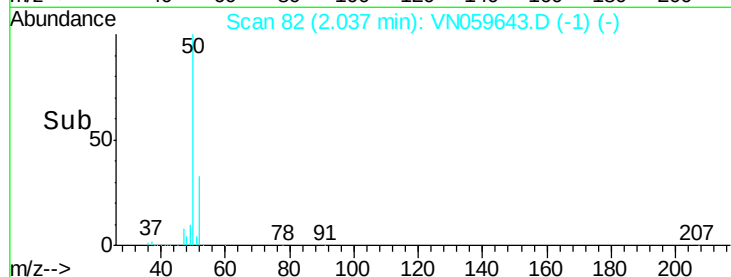
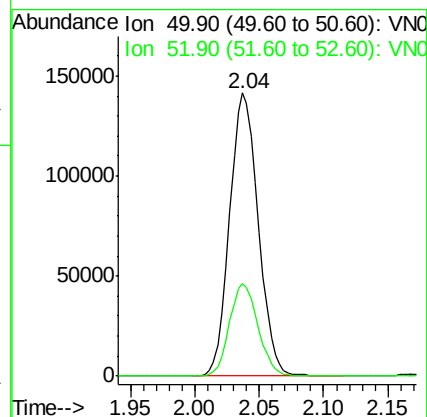
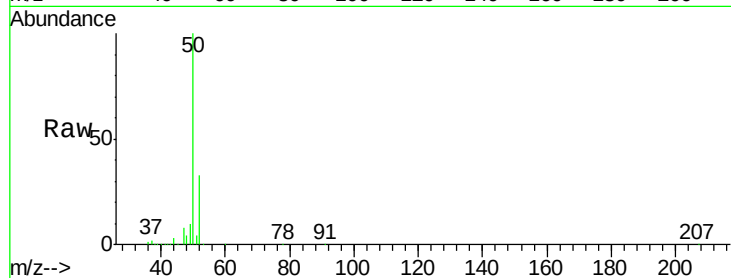
52 32.5 25.9 38.9

Manual Integrations

APPROVED

apatel

12/18/2019 10:05:12 AM



#4

Vinyl Chloride

Concen: 46.051 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059643.D

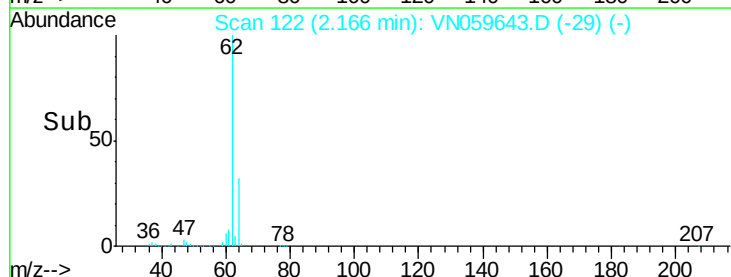
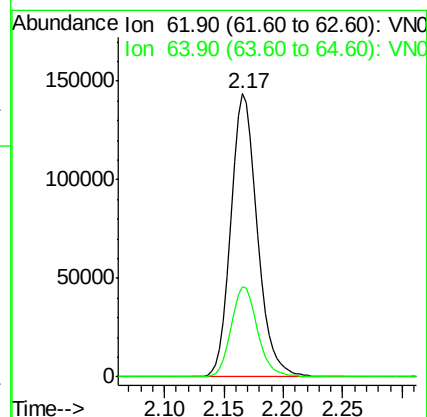
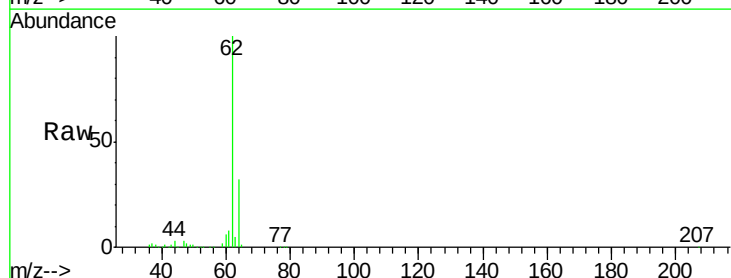
Acq: 17 Dec 2019 22:06

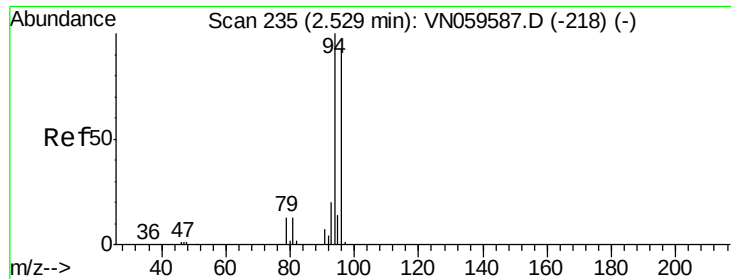
Tgt Ion: 62 Resp: 221398

Ion Ratio Lower Upper

62 100

64 31.9 24.6 37.0





#5

Bromomethane

Concen: 41.917 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.01 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 117153

Ion Ratio Lower Upper

94 100

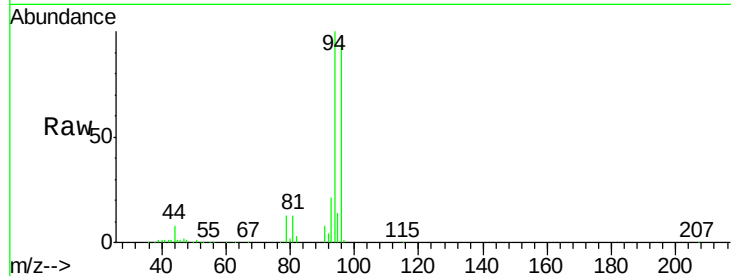
96 94.0 74.7 112.1

Manual Integrations

APPROVED

apatel

12/18/2019 10:05:12 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

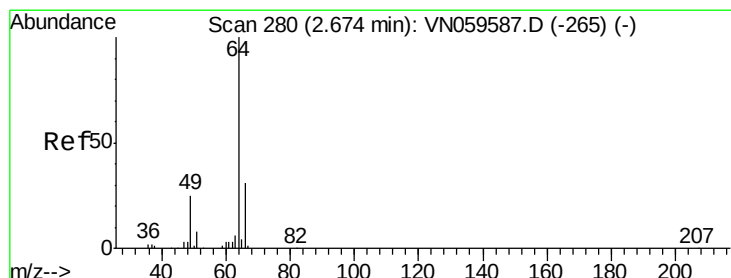
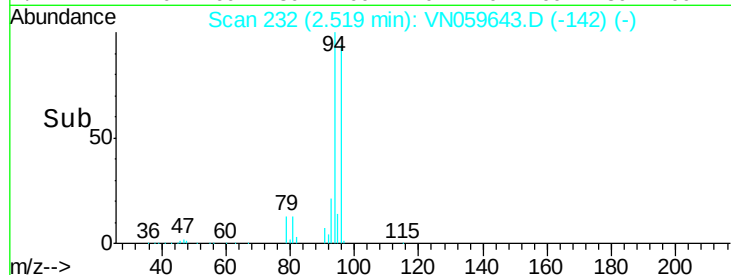
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 45.541 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN059643.D

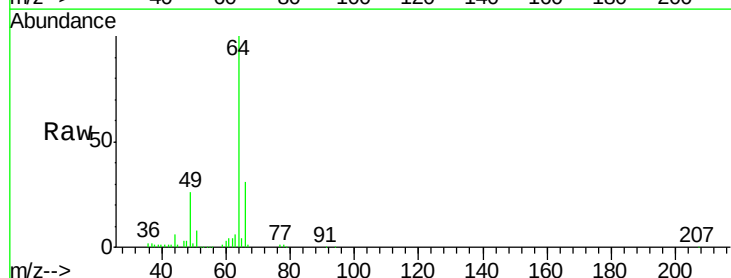
Acq: 17 Dec 2019 22:06

Tgt Ion: 64 Resp: 123053

Ion Ratio Lower Upper

64 100

66 30.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

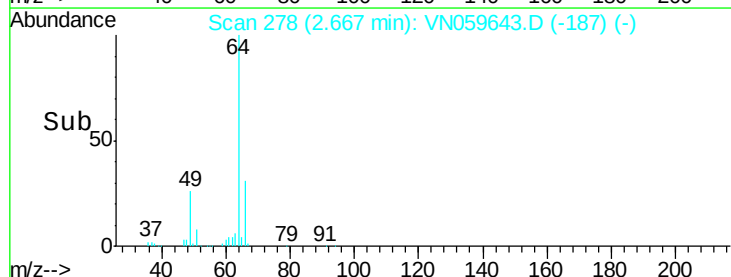
60000

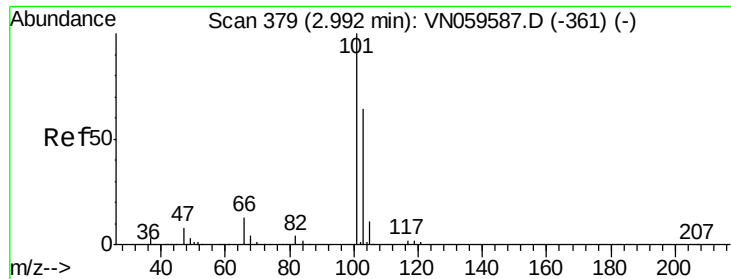
40000

20000

0

Time-->





#7

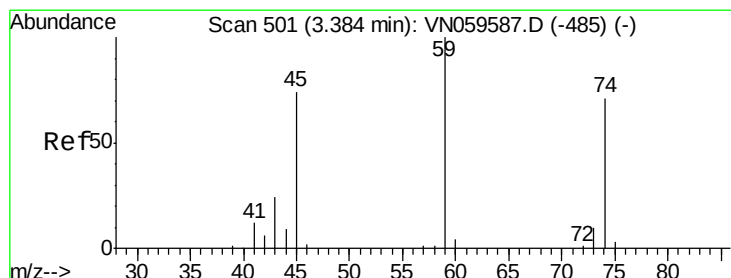
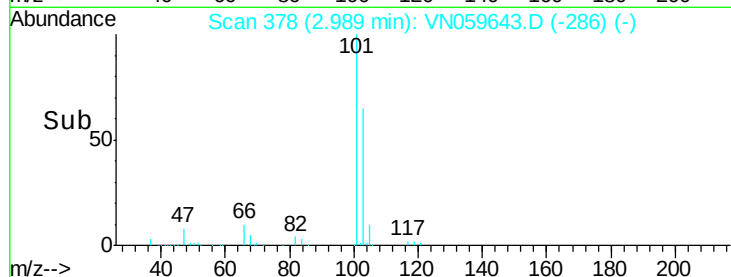
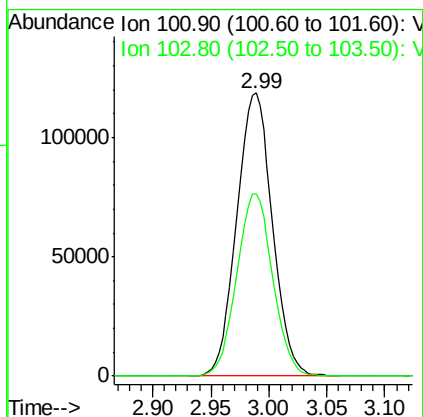
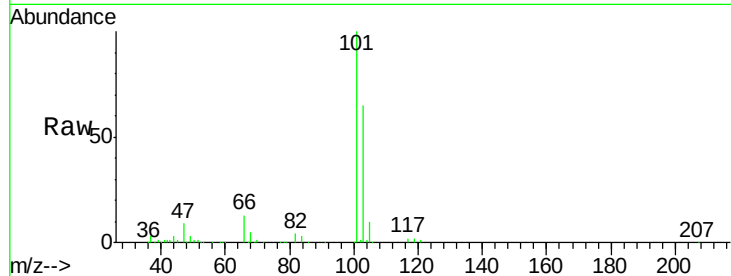
Trichlorofluoromethane
Concen: 48.233 ug/l
RT: 2.99 min Scan# 378
Delta R.T. -0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.0	76.6

Manual Integrations
APPROVED

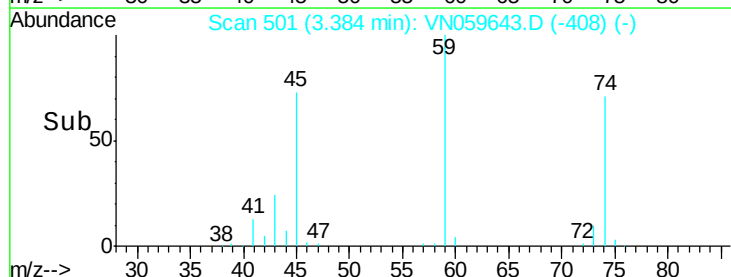
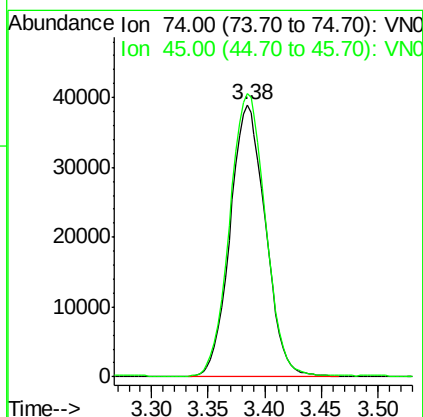
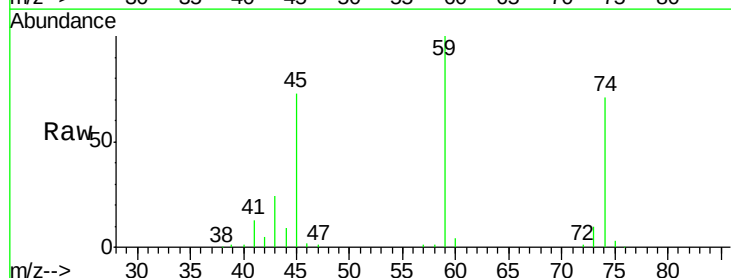
apatel
12/18/2019 10:05:12 AM

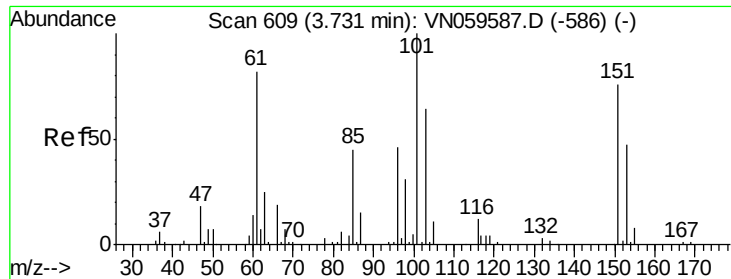


#8

Diethyl Ether
Concen: 51.424 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.2	51.9	155.8





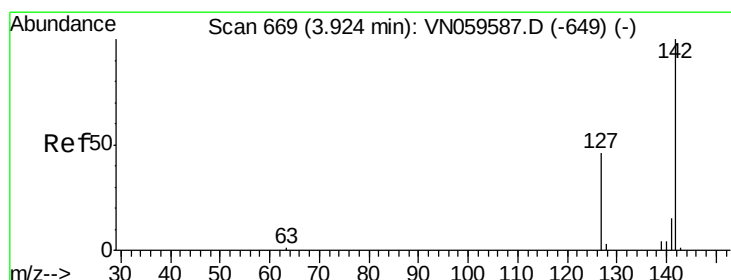
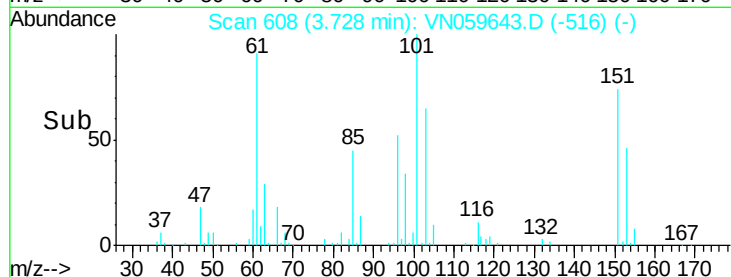
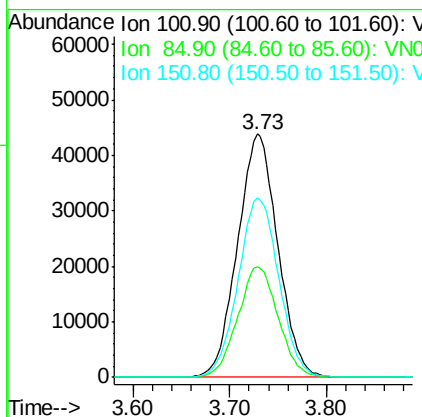
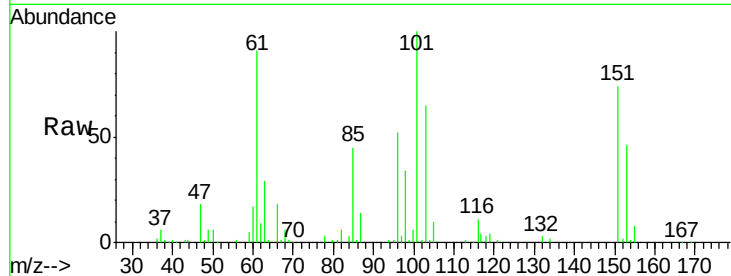
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.557 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.6	54.8
151	74.8	59.7	89.5

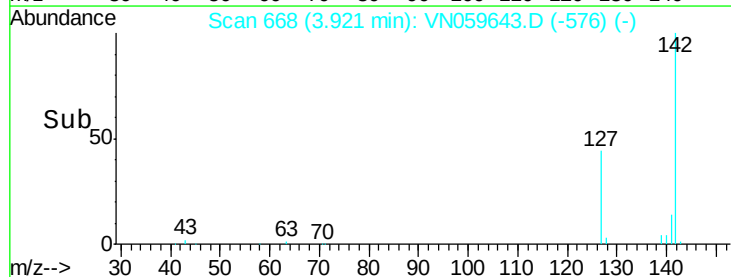
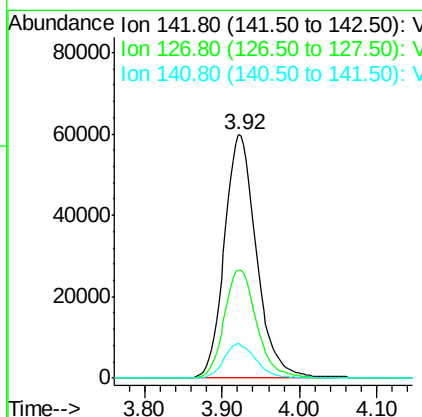
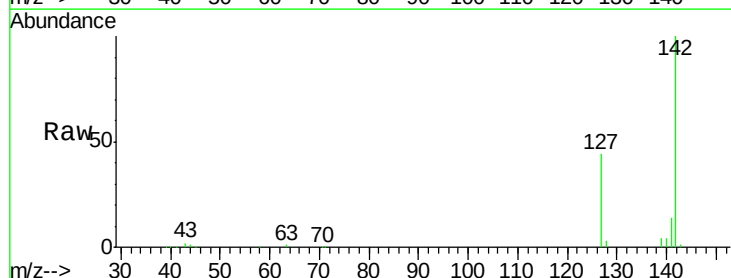
Manual Integrations
APPROVED

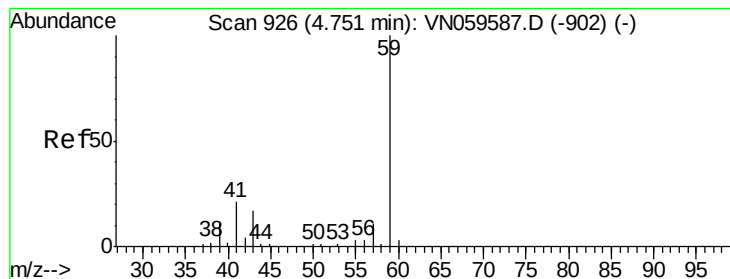
apatel
12/18/2019 10:05:12 AM



#10
Methyl Iodide
Concen: 48.771 ug/l
RT: 3.92 min Scan# 668
Delta R.T. -0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.0	36.7	55.1
141	14.0	11.7	17.5





#11

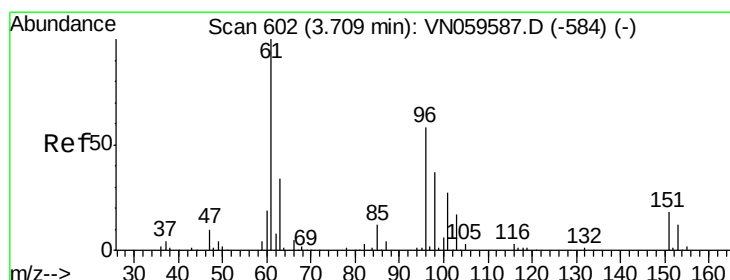
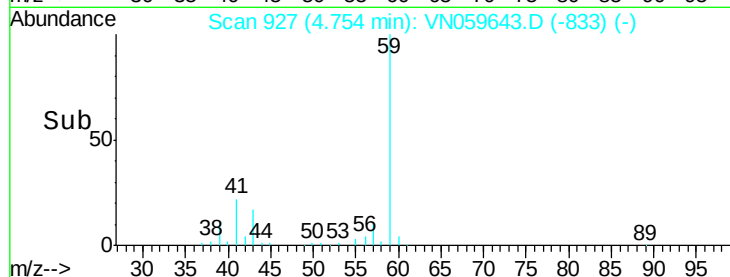
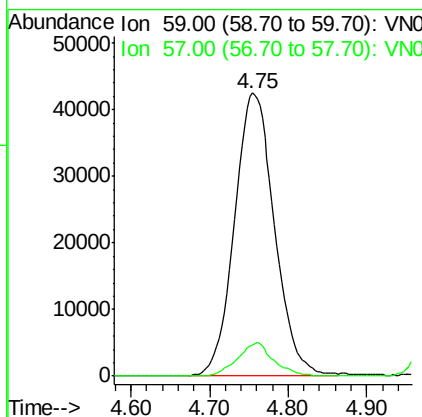
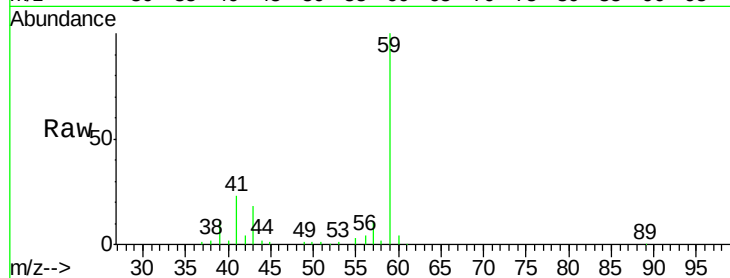
Tert butyl alcohol
Concen: 229.795 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	12.8

Manual Integrations
APPROVED

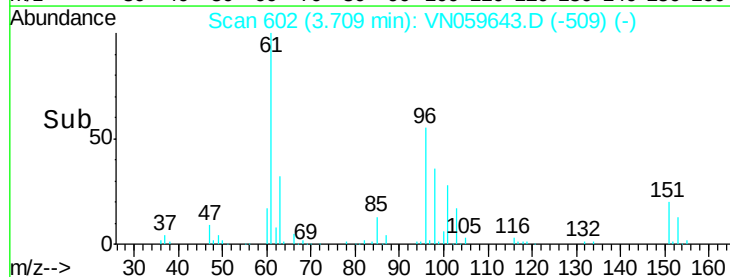
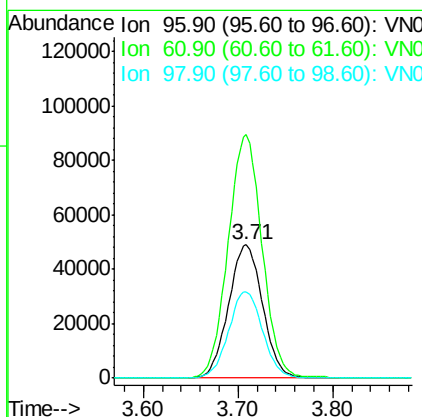
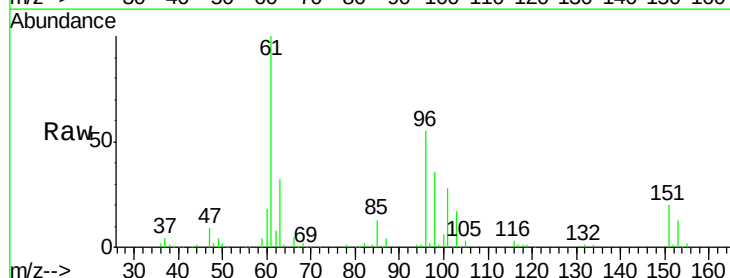
apatel
12/18/2019 10:05:12 AM

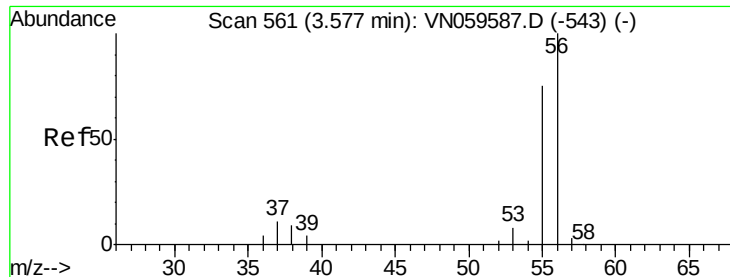


#12

1,1-Dichloroethene
Concen: 47.327 ug/l
RT: 3.71 min Scan# 602
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.0	137.5	206.3
98	65.0	50.2	75.4





#13

Acrolein

Concen: 193.279 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 90808

Ion Ratio Lower Upper

56 100

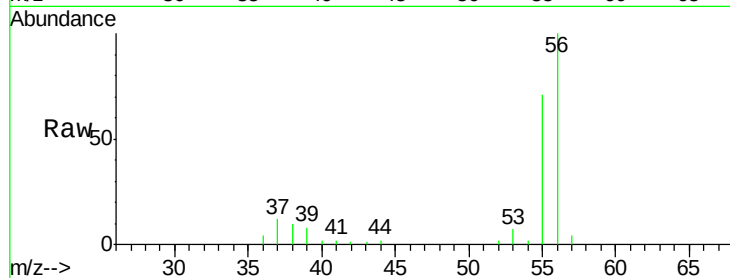
55 72.1 58.6 88.0

Manual Integrations

APPROVED

apatel

12/18/2019 10:05:12 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

40000

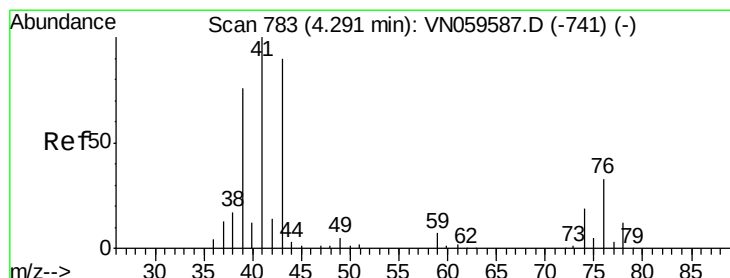
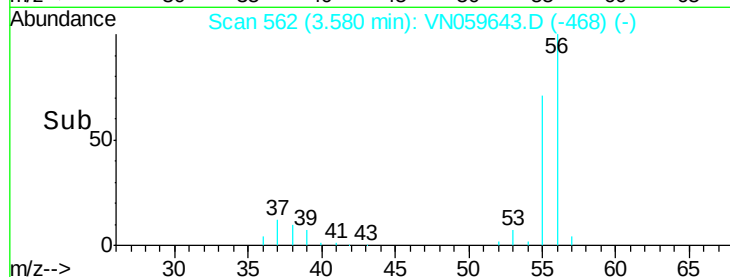
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 47.412 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

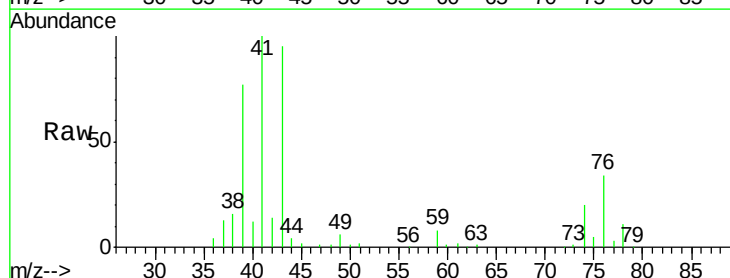
Tgt Ion: 41 Resp: 252393

Ion Ratio Lower Upper

41 100

39 70.7 57.8 86.8

76 31.1 25.4 38.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.29

100000

80000

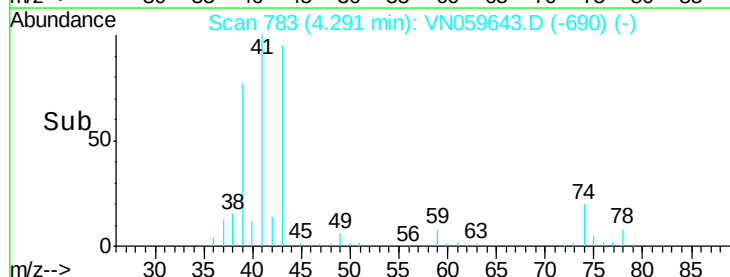
60000

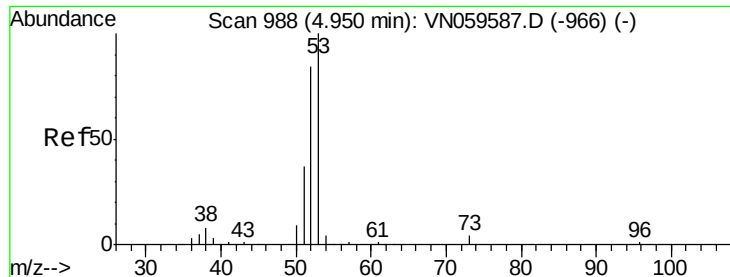
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 256.269 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

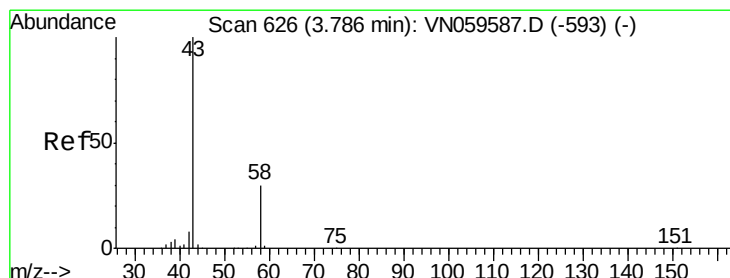
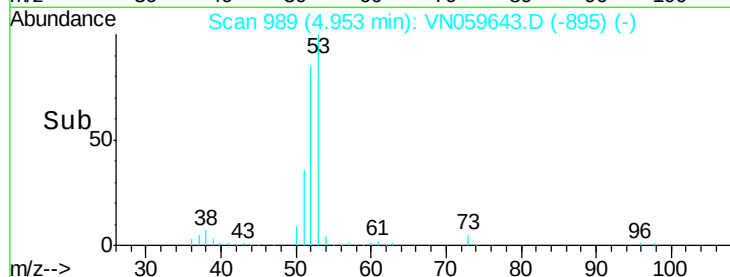
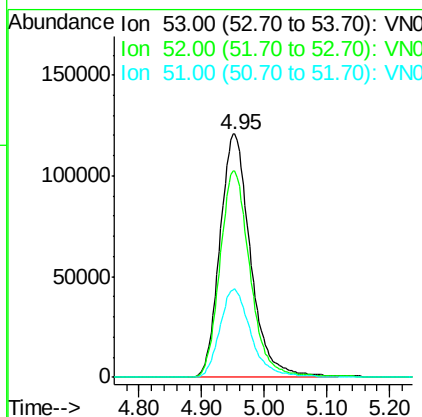
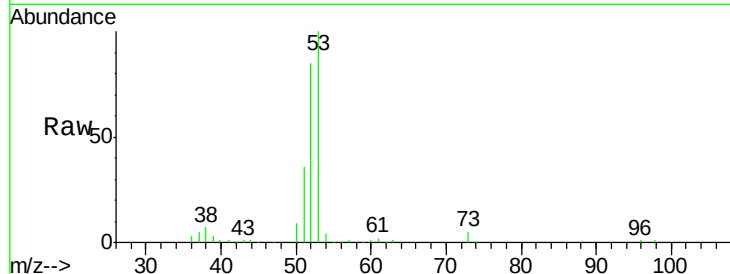
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	408851
Ion Ratio		Lower	Upper
53	100		
52	83.8	66.3	99.5
51	37.0	29.7	44.5

Manual Integrations
APPROVED

apatel
12/18/2019 10:05:12 AM



#16

Acetone

Concen: 212.414 ug/l

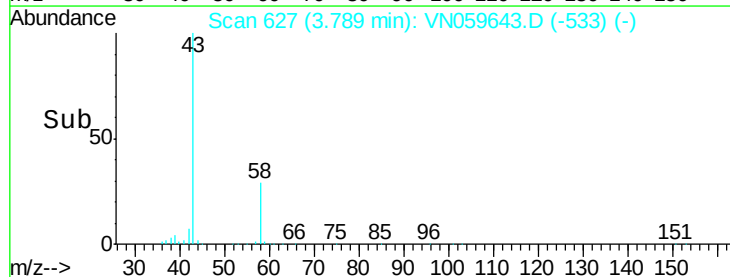
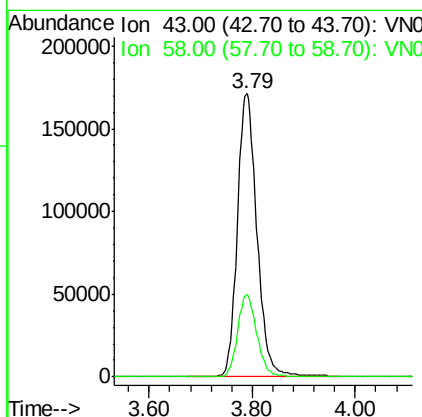
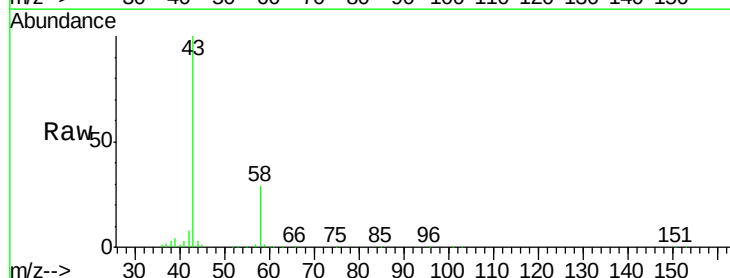
RT: 3.79 min Scan# 627

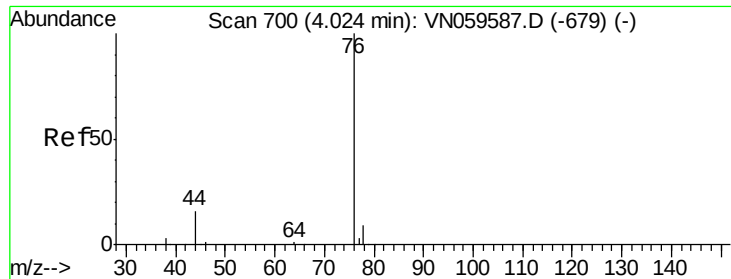
Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Tgt Ion:	43	Resp:	453704
Ion Ratio		Lower	Upper
43	100		
58	28.9	23.6	35.4





#17

Carbon Disulfide

Concen: 43.230 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Tot Ion: 76 Resp: 385104

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

Instrument :

MSVOA_N

ClientSampleId :

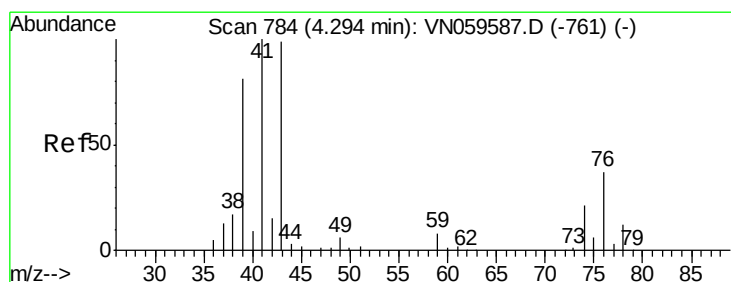
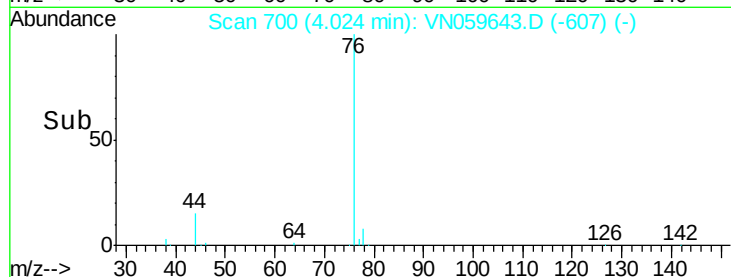
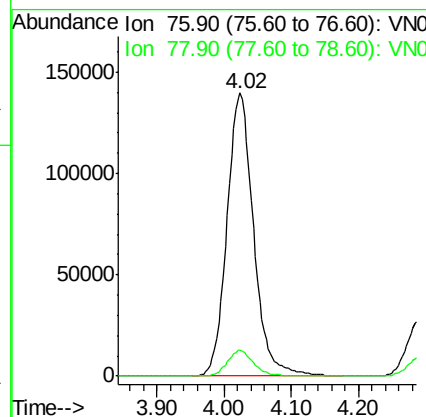
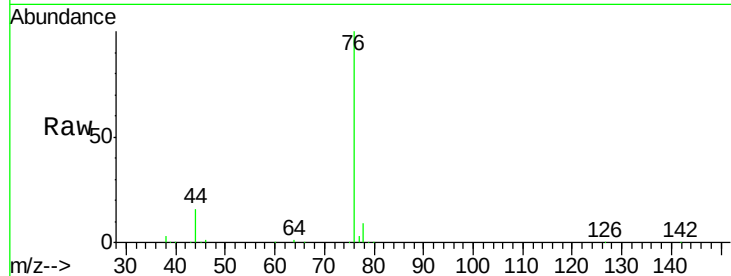
VSTDCCC050EC

Manual Integrations

APPROVED

apatel

12/18/2019 10:05:12 AM



#18

Methyl Acetate

Concen: 50.141 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059643.D

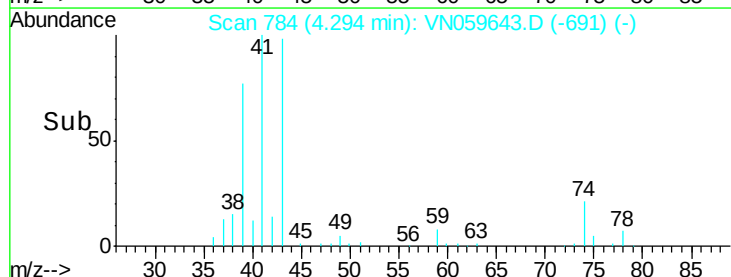
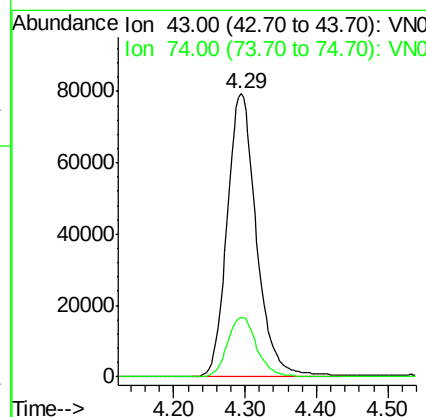
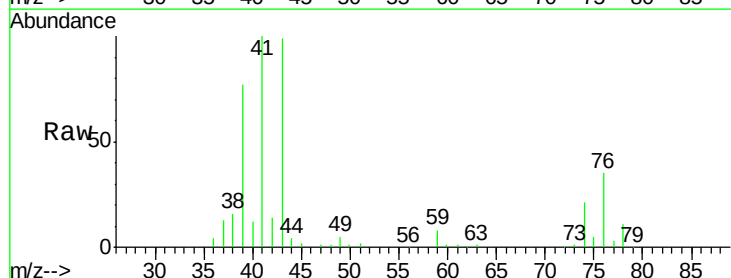
Acq: 17 Dec 2019 22:06

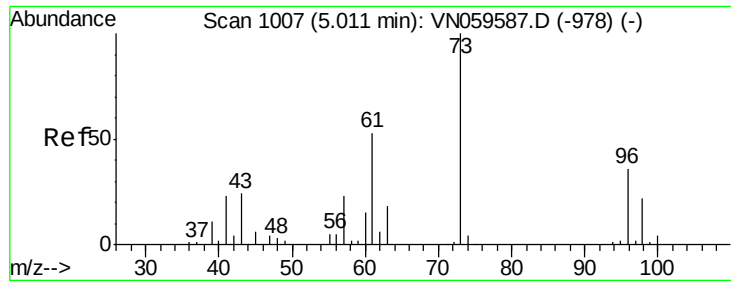
Tgt Ion: 43 Resp: 224416

Ion Ratio Lower Upper

43 100

74 21.4 17.5 26.3





#19

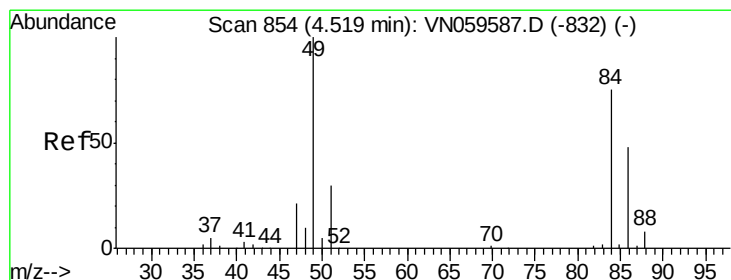
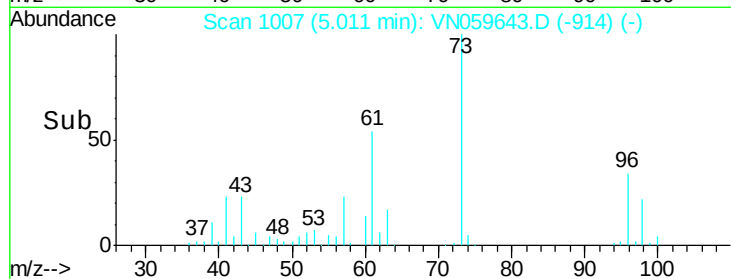
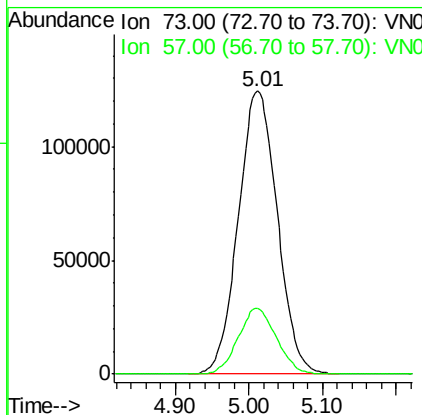
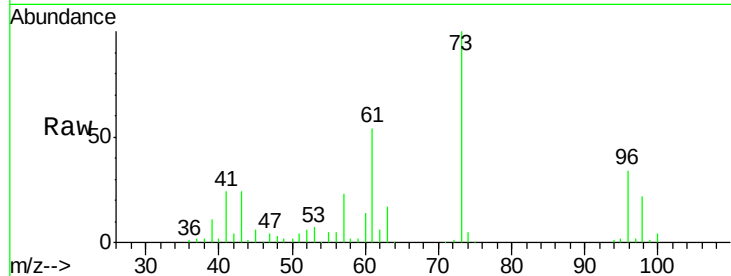
Methyl tert-butyl Ether
 Concen: 50.154 ug/l
 RT: 5.01 min Scan# 1007
 Delta R.T. 0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.6	27.8

Manual Integrations
 APPROVED

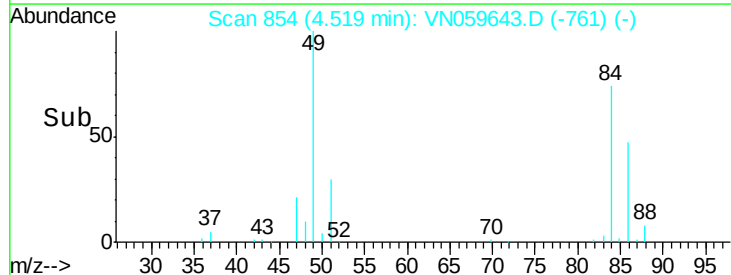
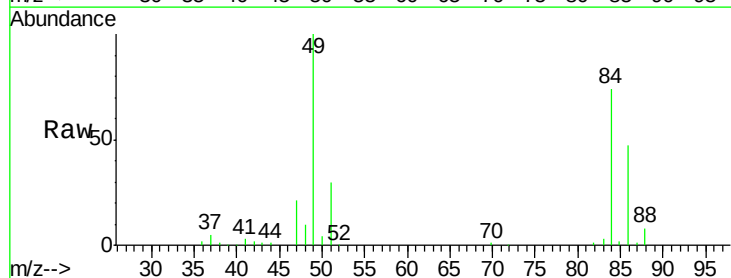
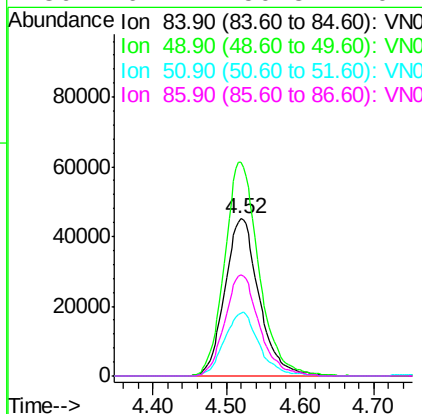
apatel
 12/18/2019 10:05:12 AM

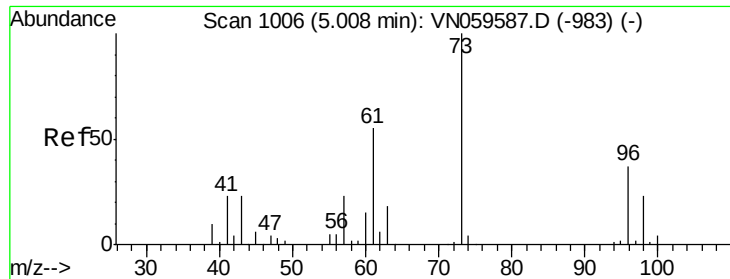


#20

Methylene Chloride
 Concen: 47.234 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.0	106.6	160.0
51	40.4	31.9	47.9
86	64.1	50.8	76.2





#21

trans-1,2-Dichloroethene

Concen: 47.472 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 137235

Ion Ratio Lower Upper

96 100

61 151.3 120.4 180.6

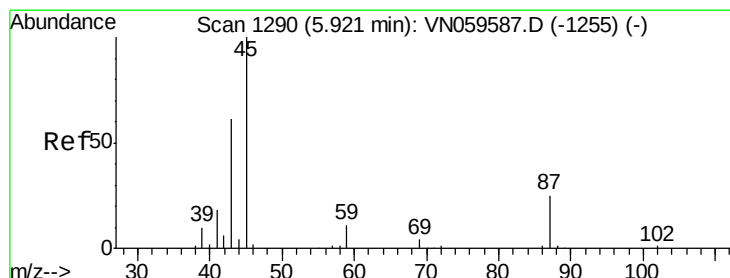
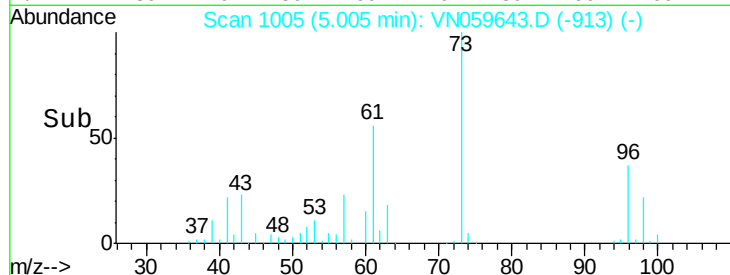
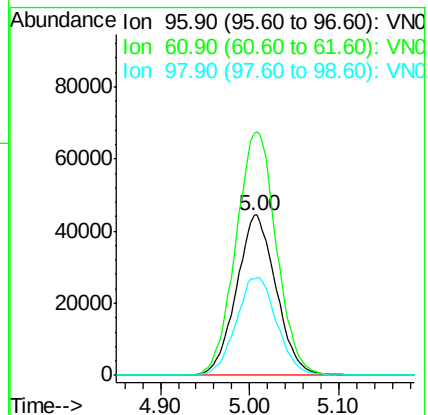
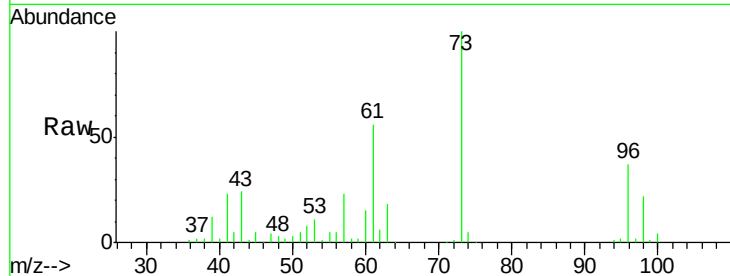
98 60.5 50.6 75.8

Manual Integrations

APPROVED

apatel

12/18/2019 10:05:12 AM



#22

Diisopropyl ether

Concen: 51.450 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Tgt Ion: 45 Resp: 504940

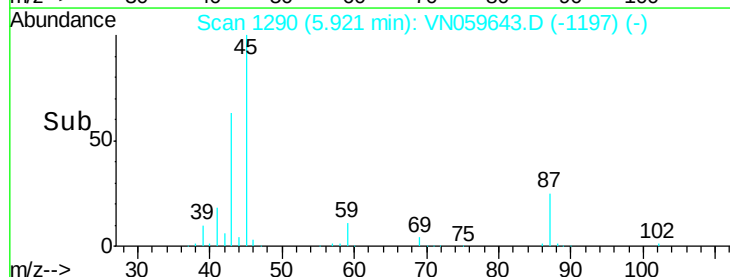
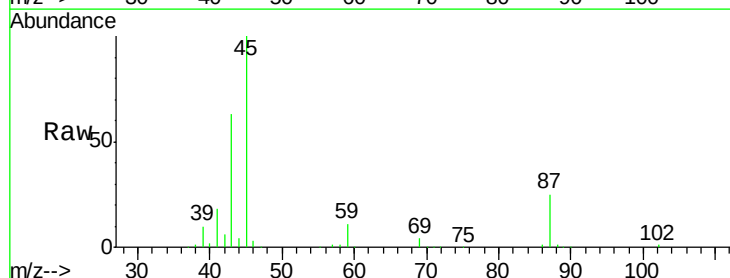
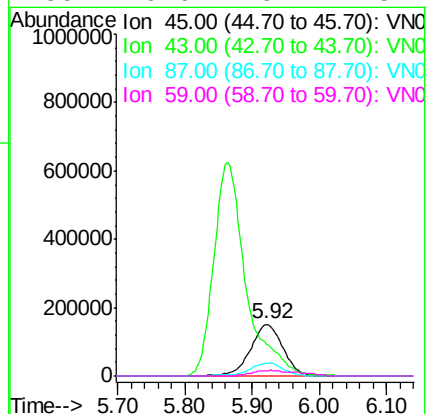
Ion Ratio Lower Upper

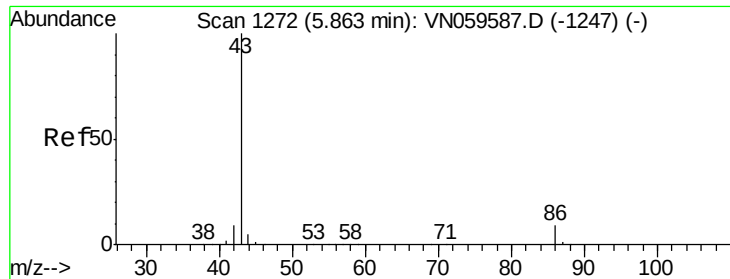
45 100

43 62.0 50.8 76.2

87 24.9 21.0 31.6

59 10.6 9.1 13.7





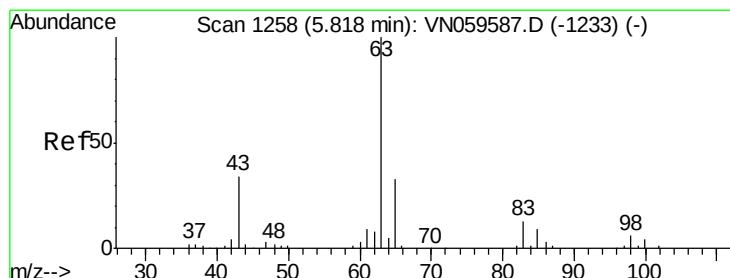
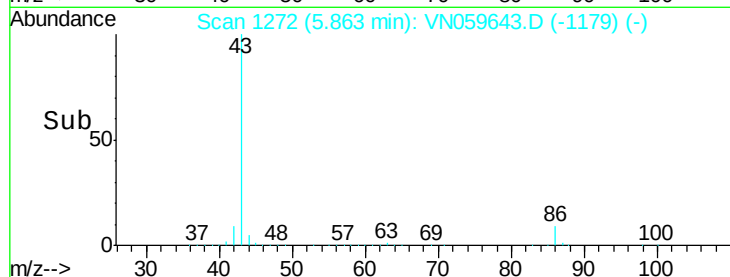
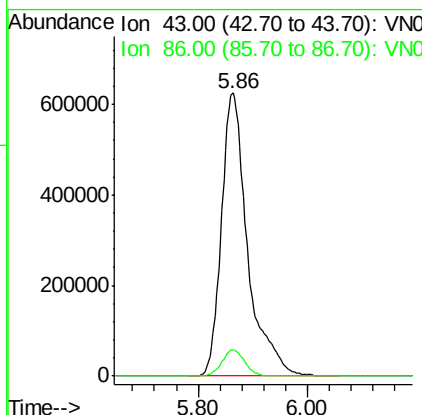
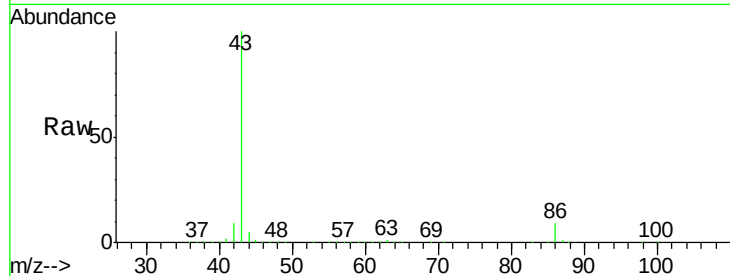
#23
 Vinyl Acetate
 Concen: 270.311 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2081890
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.6 11.4

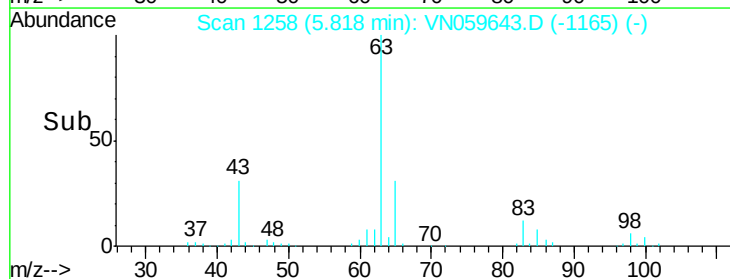
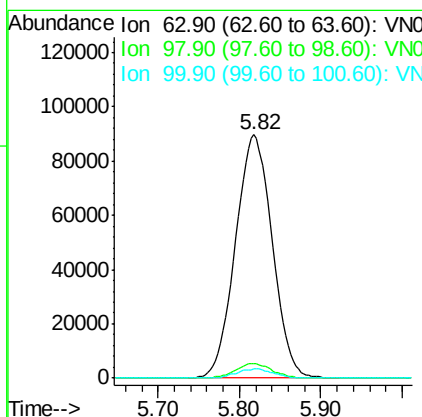
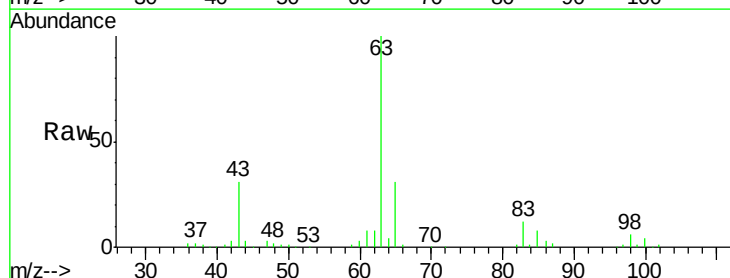
Manual Integrations
 APPROVED

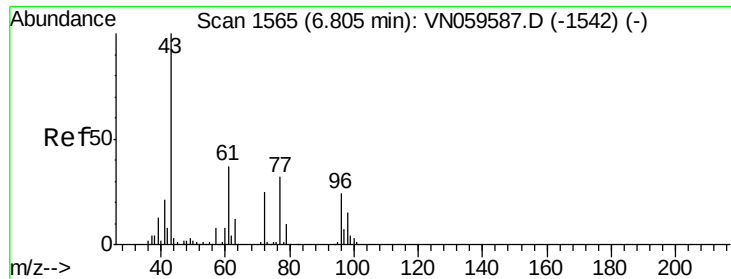
apatel
 12/18/2019 10:05:12 AM



#24
 1,1-Dichloroethane
 Concen: 50.480 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Tgt Ion: 63 Resp: 280636
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.7
 100 3.6 2.0 6.0





#25

2-Butanone

Concen: 243.501 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 621947

Ion Ratio Lower Upper

43 100

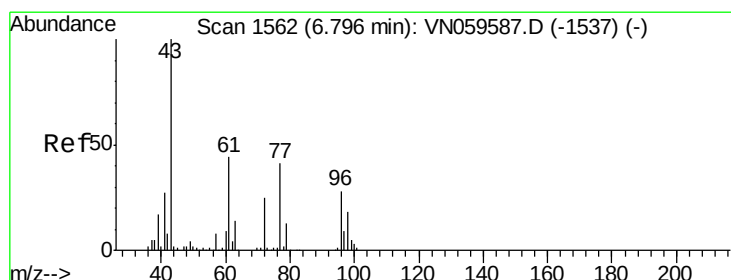
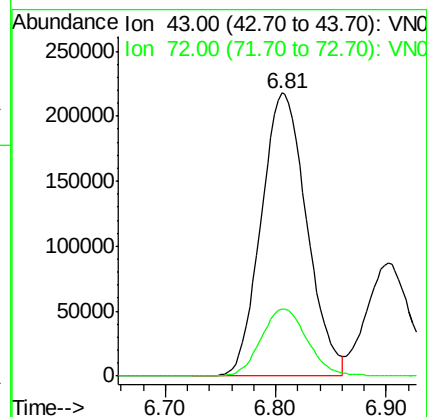
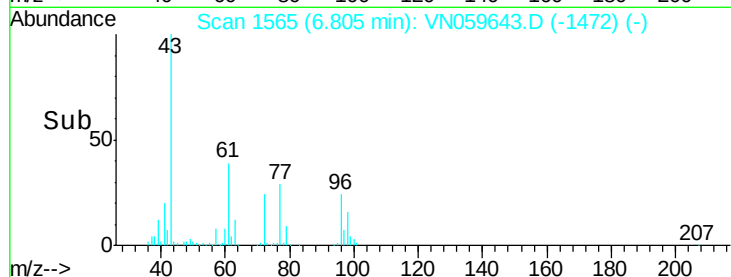
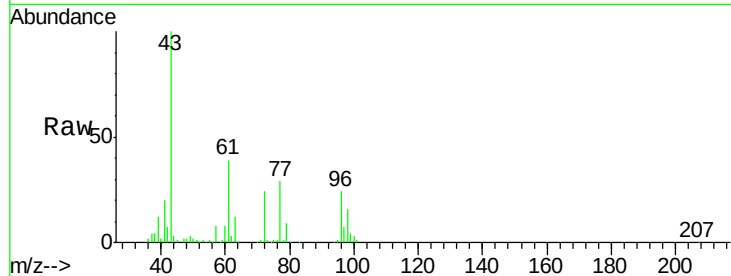
72 23.9 19.9 29.9

Manual Integrations

APPROVED

apatel

12/18/2019 10:05:12 AM



#26

2,2-Dichloropropane

Concen: 45.057 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059643.D

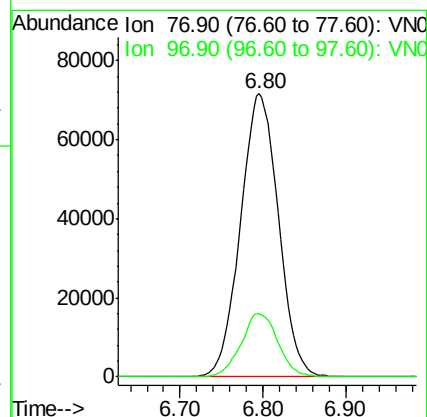
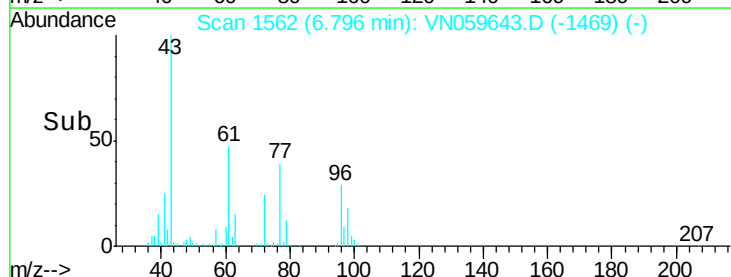
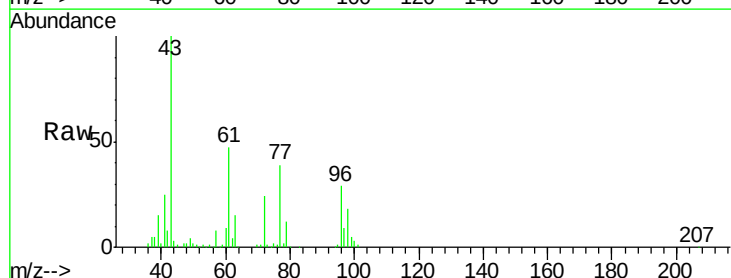
Acq: 17 Dec 2019 22:06

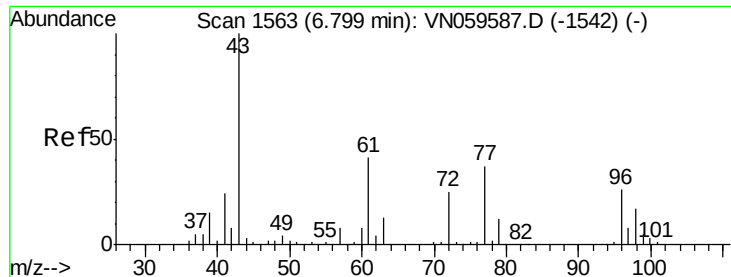
Tgt Ion: 77 Resp: 227656

Ion Ratio Lower Upper

77 100

97 21.8 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 49.042 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

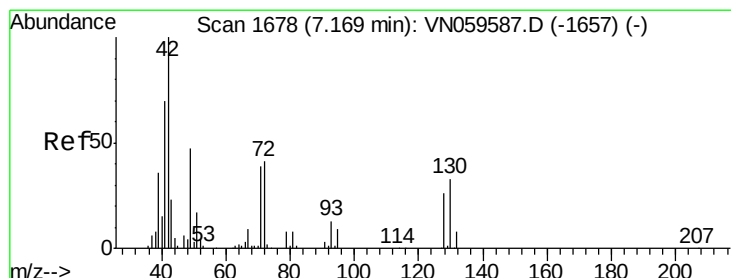
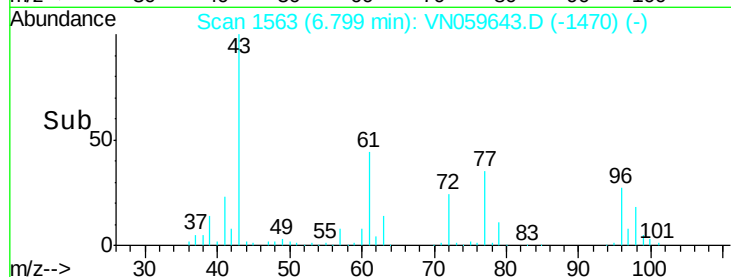
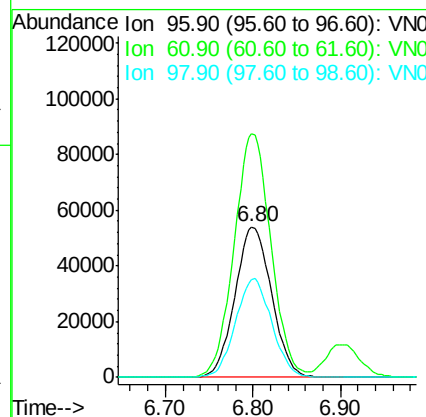
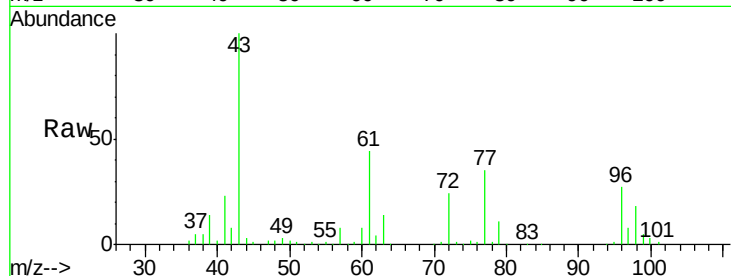
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	157098
Ion	Ratio	Lower	Upper
96	100		
61	162.4	0.0	317.6
98	64.9	0.0	127.0

Manual Integrations
APPROVED

apatel
12/18/2019 10:05:12 AM



#28

Bromochloromethane

Concen: 50.196 ug/l

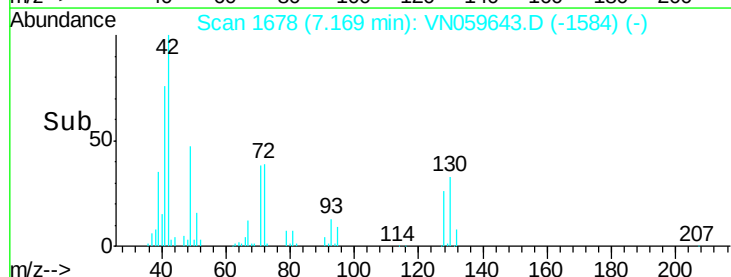
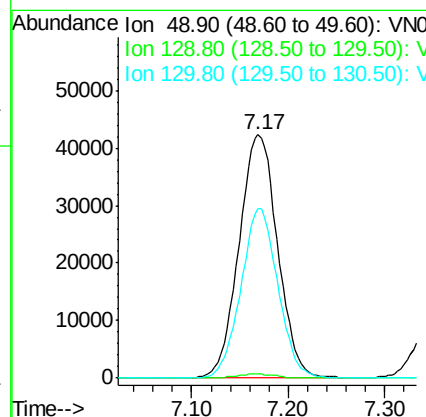
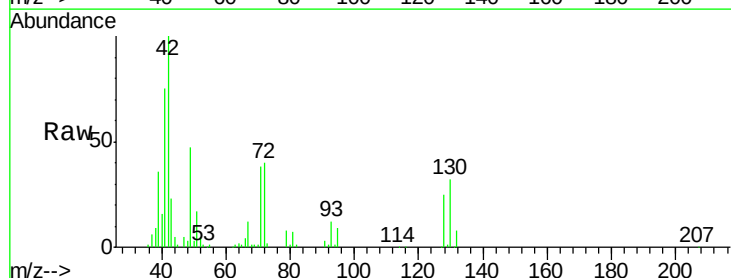
RT: 7.17 min Scan# 1678

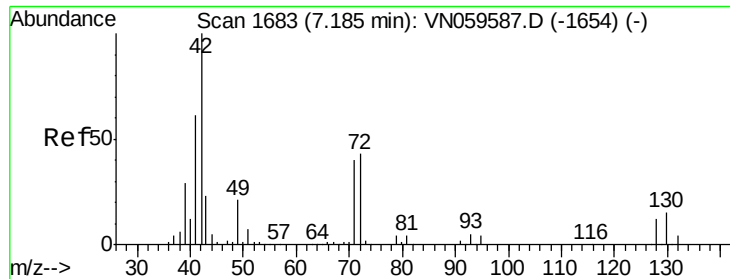
Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Tgt Ion:	49	Resp:	117267
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	66.8	54.7	82.1





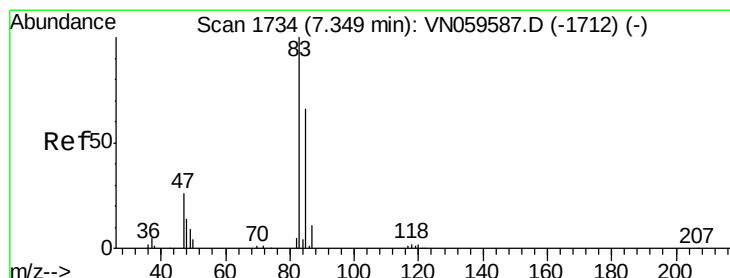
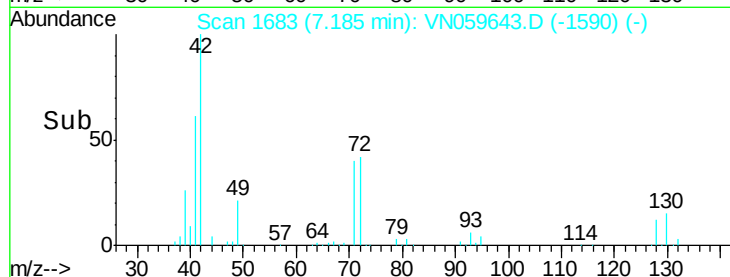
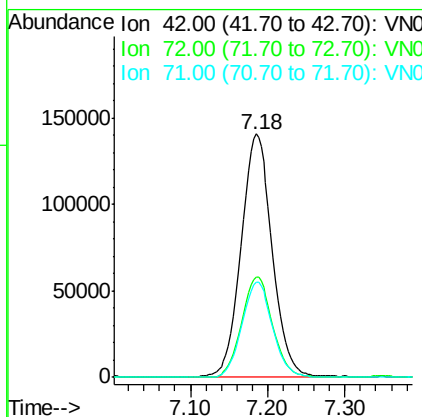
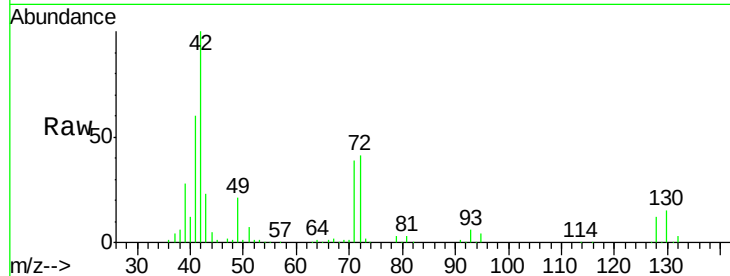
#29
Tetrahydrofuran
Concen: 251.646 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.1	49.7
71	38.7	31.4	47.0

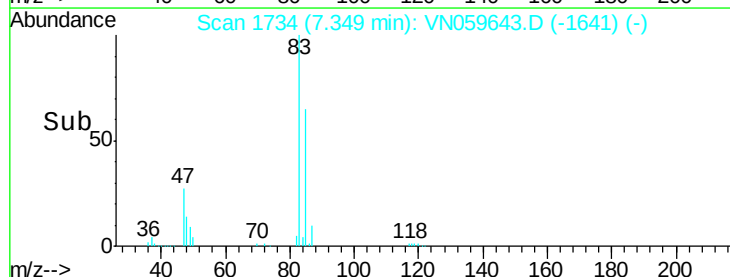
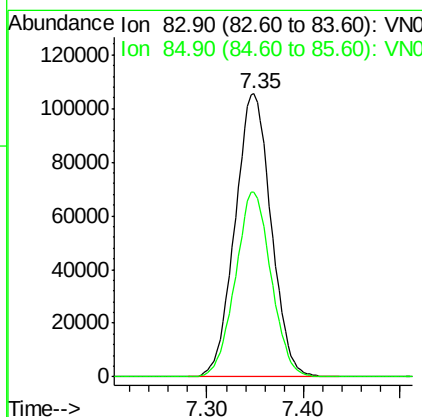
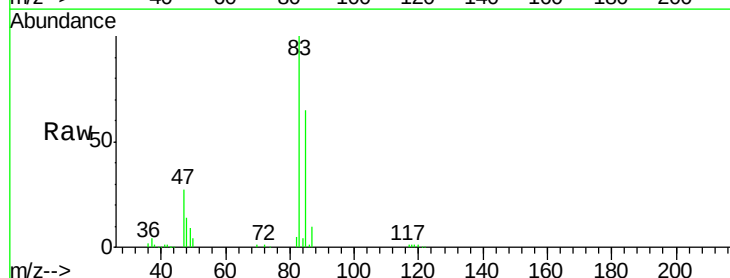
Manual Integrations
APPROVED

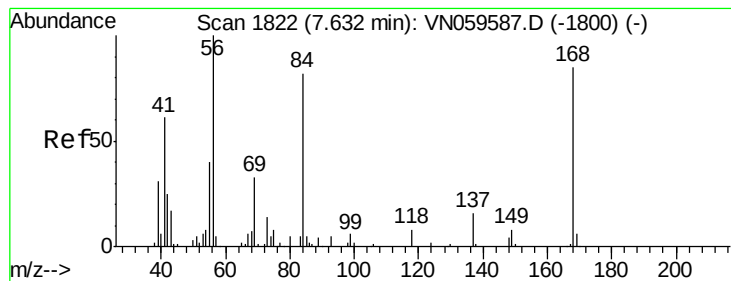
apatel
12/18/2019 10:05:12 AM



#30
Chloroform
Concen: 49.998 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.4	78.6





#31

Cyclohexane

Concen: 47.398 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 248981

Ion Ratio Lower Upper

56 100

69 32.7 26.5 39.7

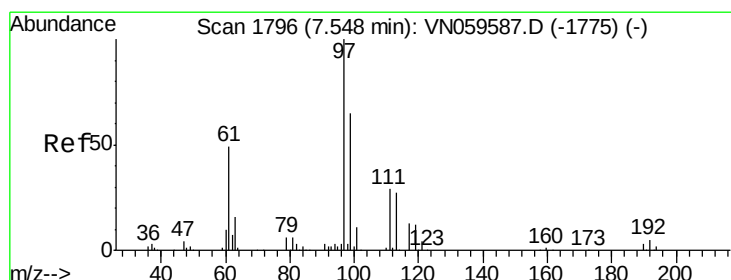
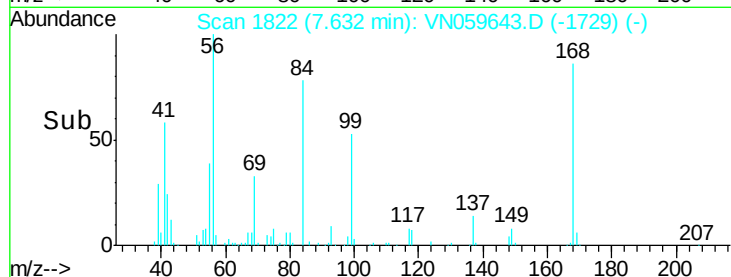
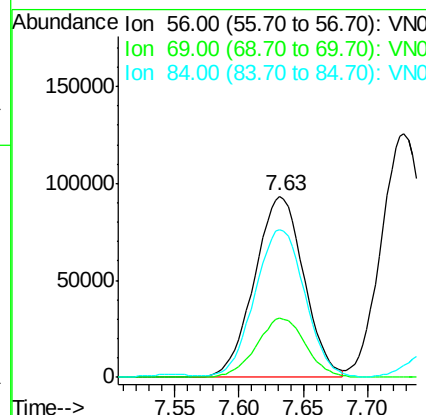
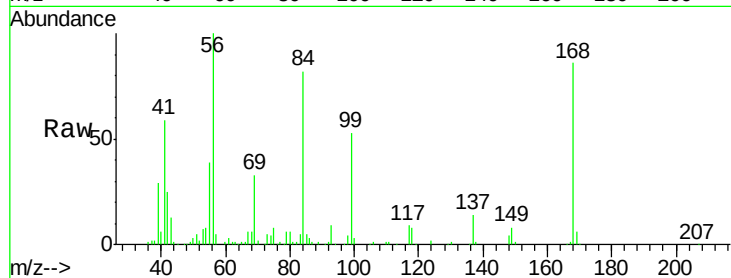
84 81.0 65.3 97.9

Manual Integrations

APPROVED

apatel

12/18/2019 10:05:12 AM



#32

1,1,1-Trichloroethane

Concen: 48.261 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

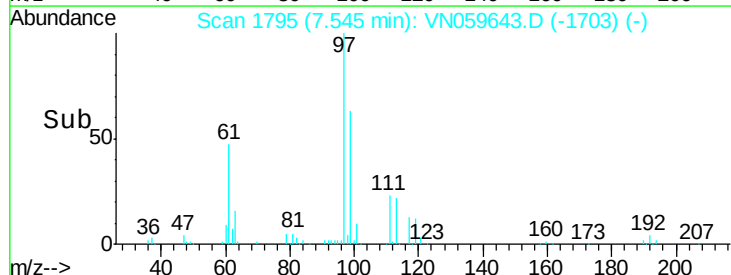
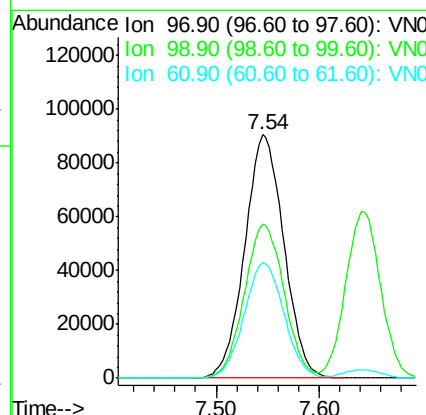
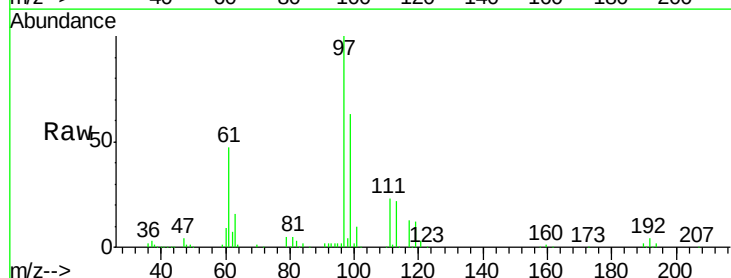
Tgt Ion: 97 Resp: 238093

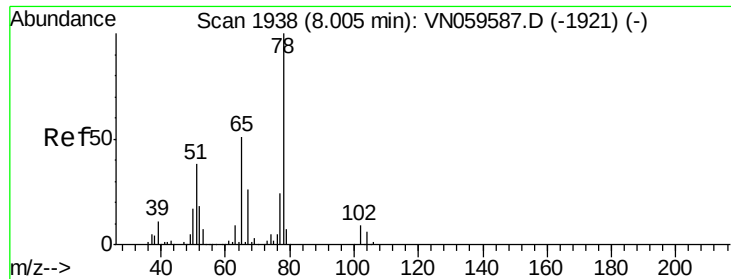
Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

61 48.3 38.5 57.7





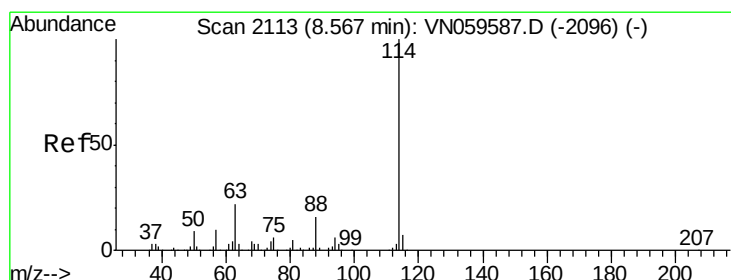
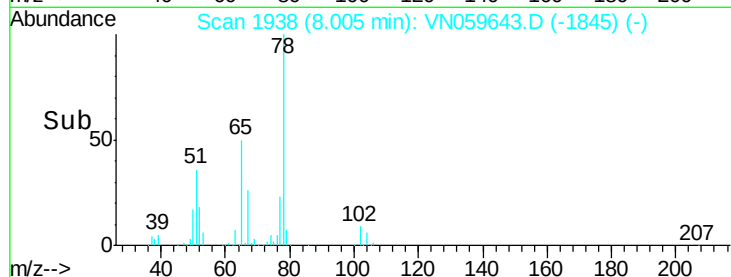
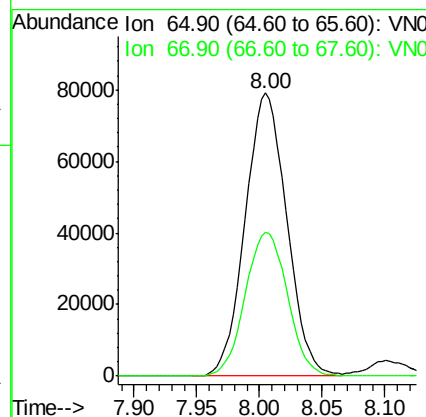
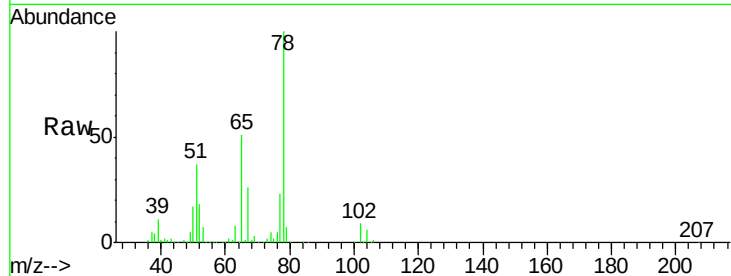
#33
 1,2-Dichloroethane-d4
 Concen: 50.753 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	182591		
67	51.7	0.0	103.0	

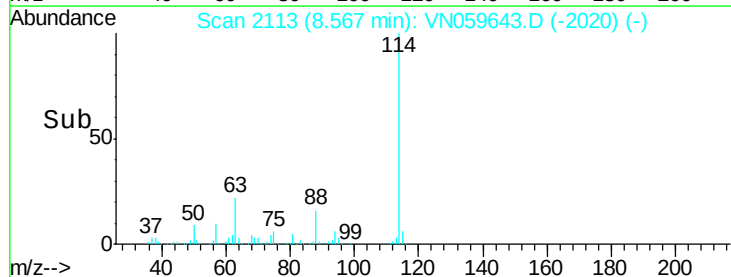
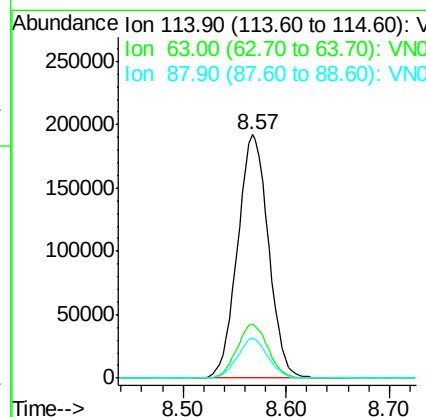
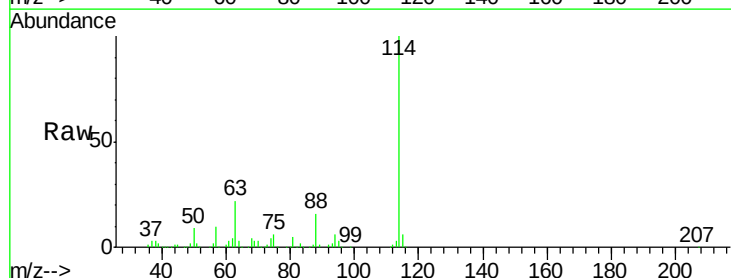
Manual Integrations
 APPROVED

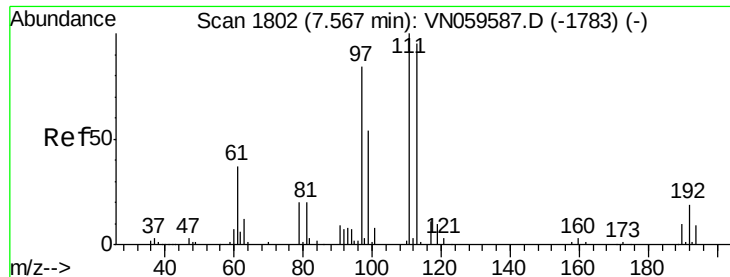
apatel
 12/18/2019 10:05:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	400347		
63	22.2	0.0	43.6	
88	16.3	0.0	31.4	





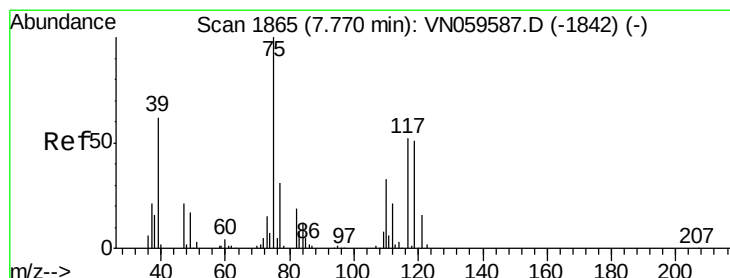
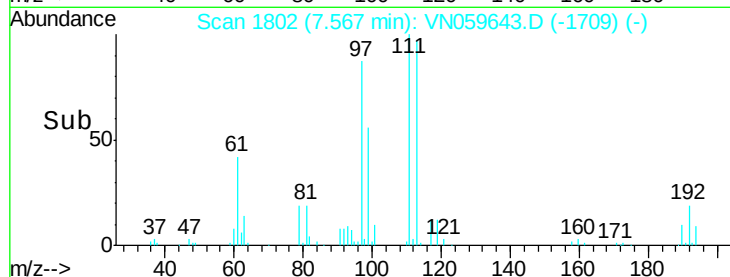
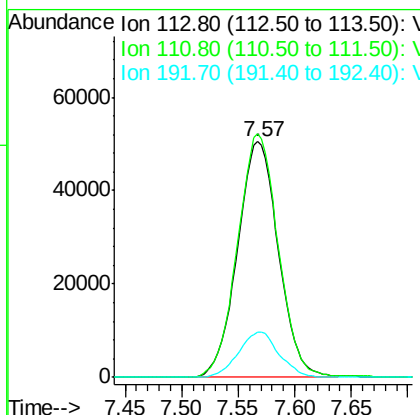
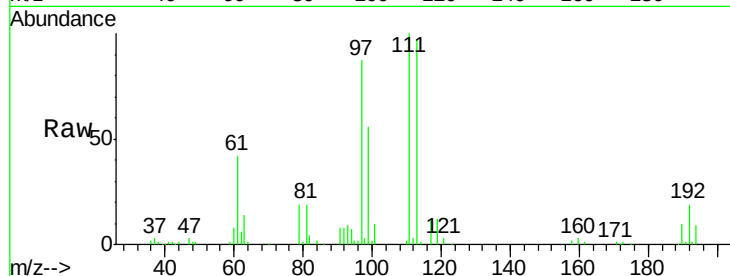
#35
 Dibromofluoromethane
 Concen: 50.717 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127041		
111	103.0	83.5	125.3	
192	19.0	15.4	23.2	

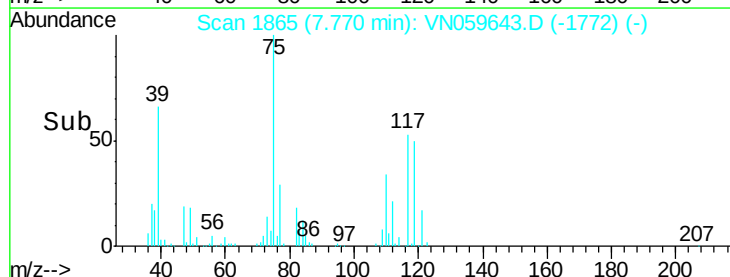
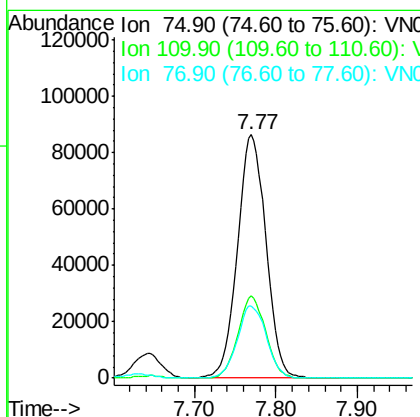
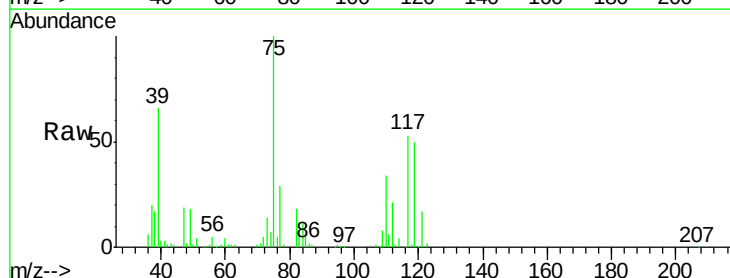
Manual Integrations
 APPROVED

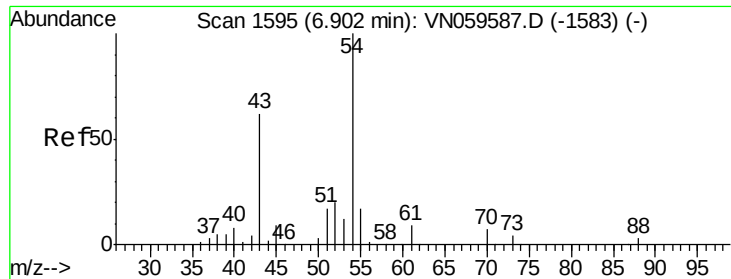
apatel
 12/18/2019 10:05:12 AM



#36
 1,1-Dichloropropene
 Concen: 49.851 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	208128		
110	32.7	16.6	49.7	
77	30.4	25.1	37.7	





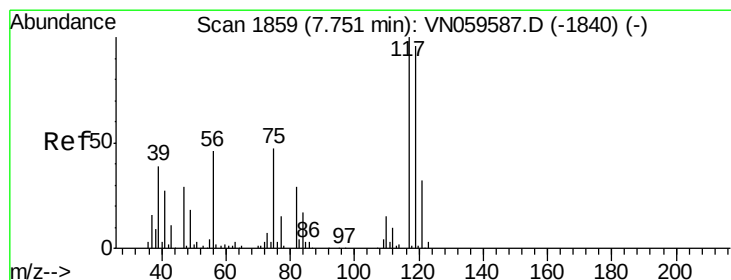
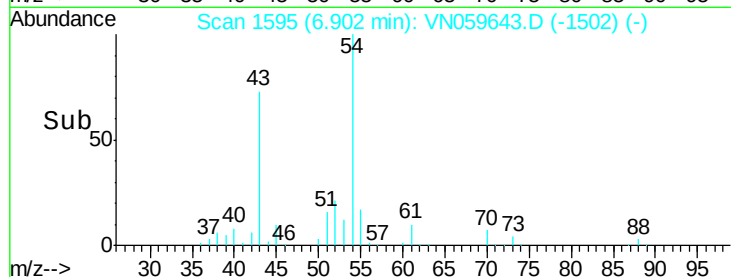
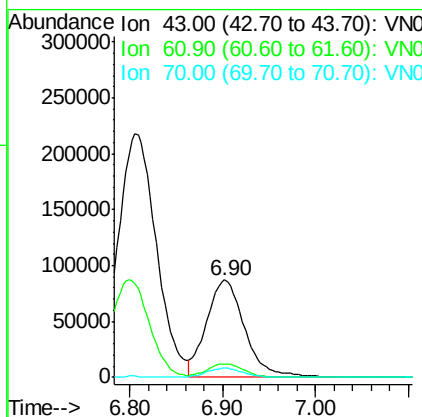
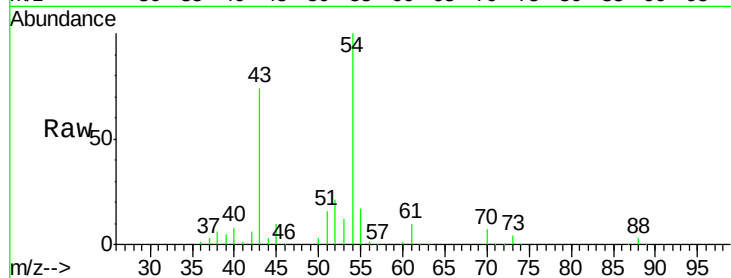
#37
Ethyl Acetate
Concen: 50.307 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	9.2	7.7	11.5

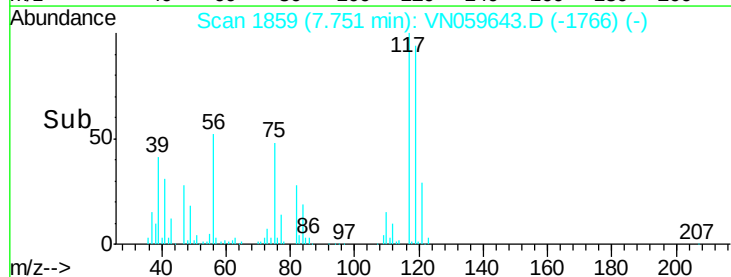
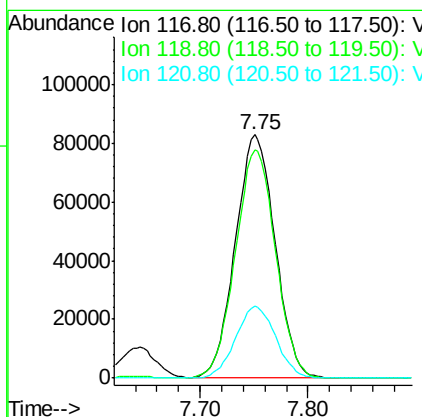
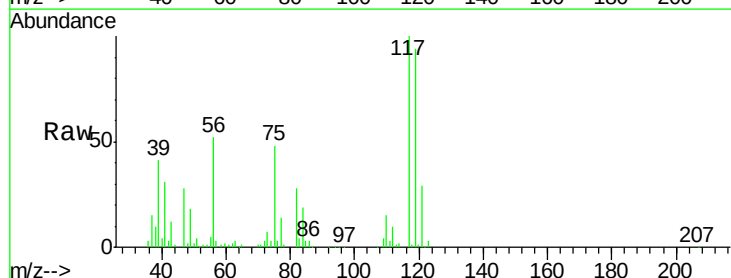
Manual Integrations
APPROVED

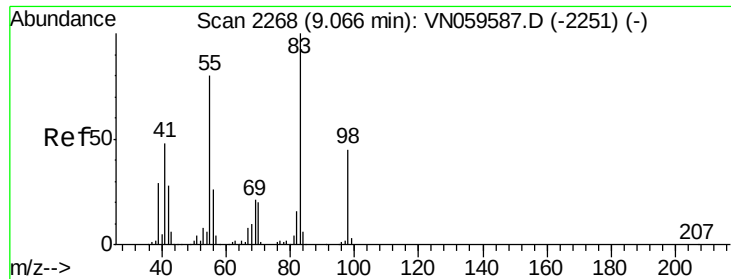
apatel
12/18/2019 10:05:12 AM



#38
Carbon Tetrachloride
Concen: 48.894 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.5	114.7
121	29.5	25.1	37.7





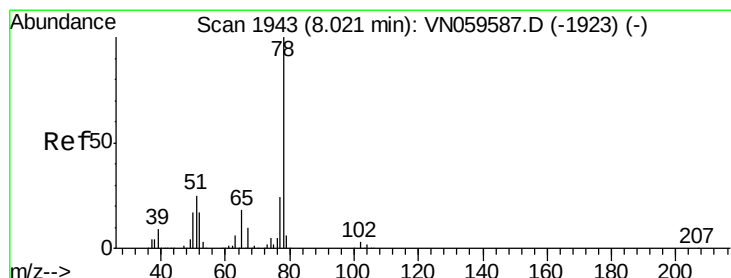
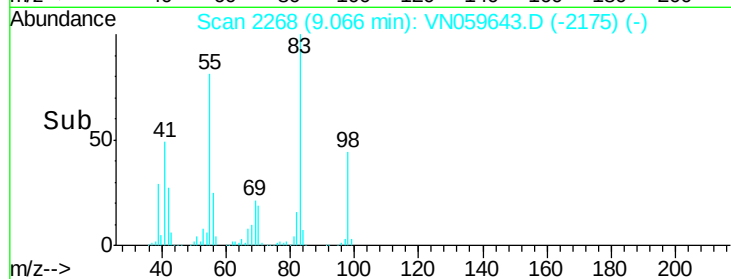
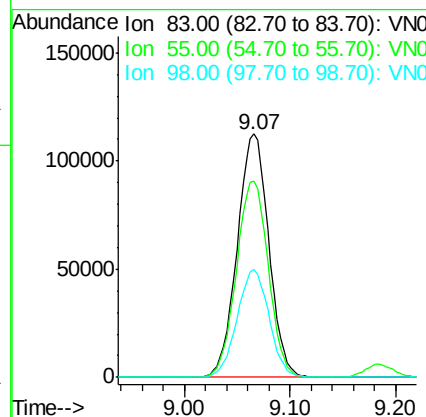
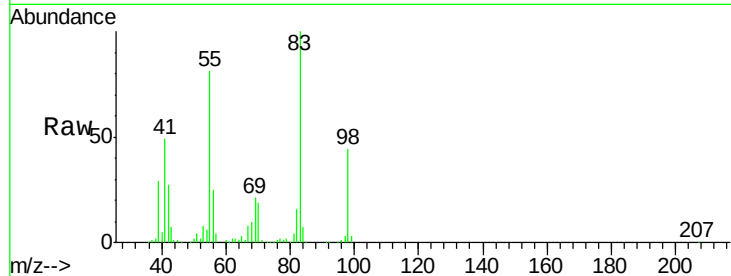
#39
Methylvlcyclohexane
Concen: 49.353 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	233723		
55	80.6	64.2	96.2	
98	44.1	35.9	53.9	

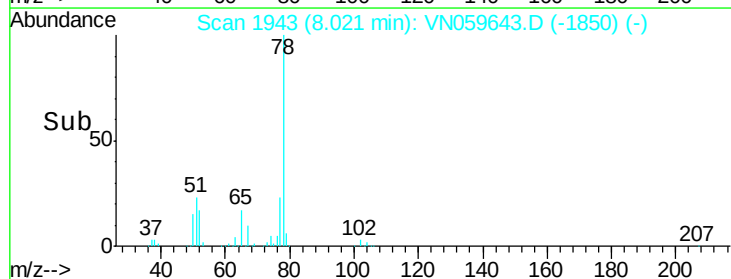
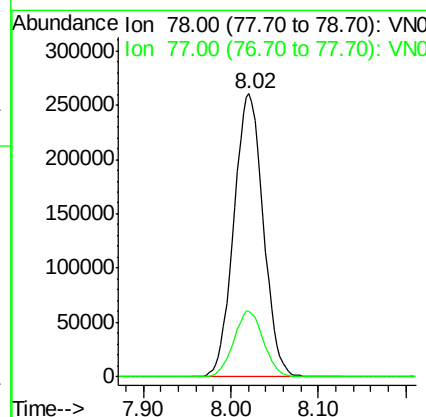
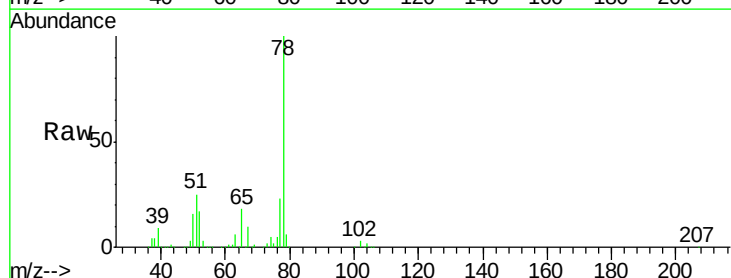
Manual Integrations
APPROVED

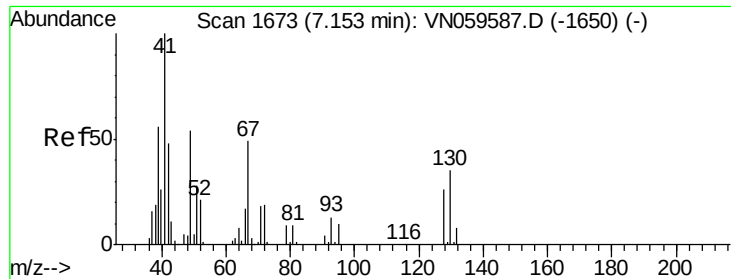
apatel
12/18/2019 10:05:12 AM



#40
Benzene
Concen: 49.843 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	608142		
77	23.3	18.9	28.3	





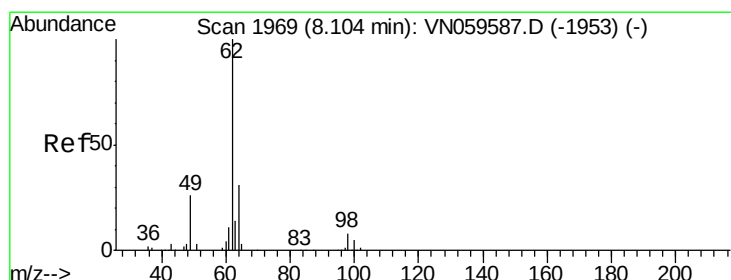
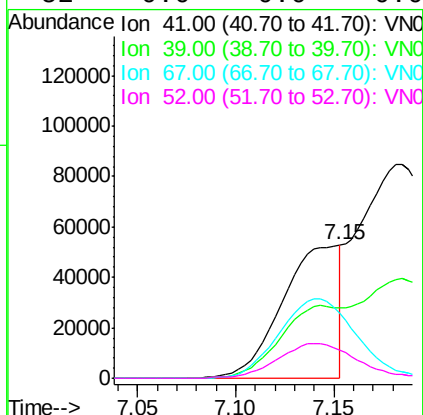
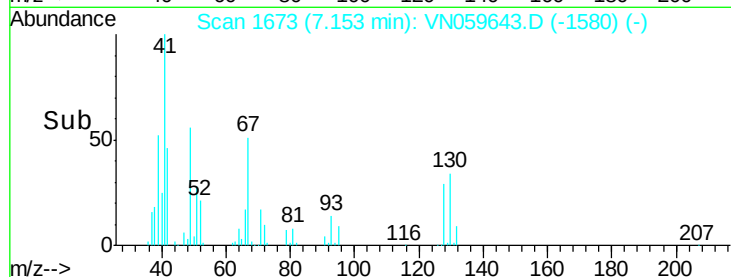
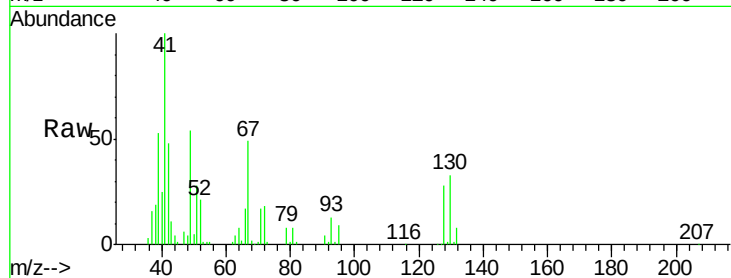
#41
Methacrylonitrile
Concen: 53.094 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41.00	Resp	106327
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

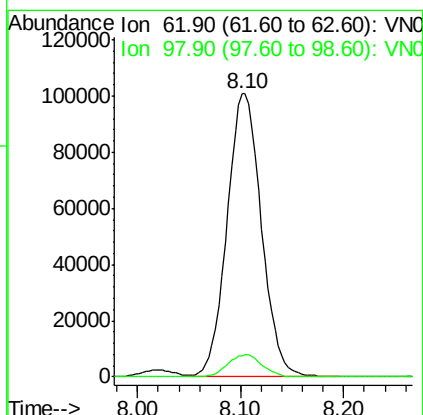
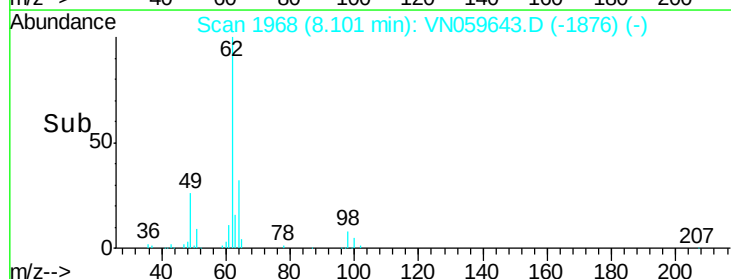
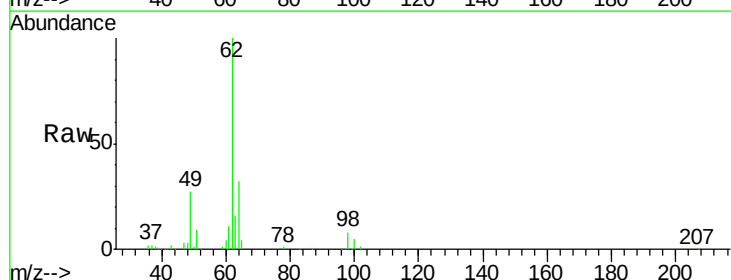
Manual Integrations
APPROVED

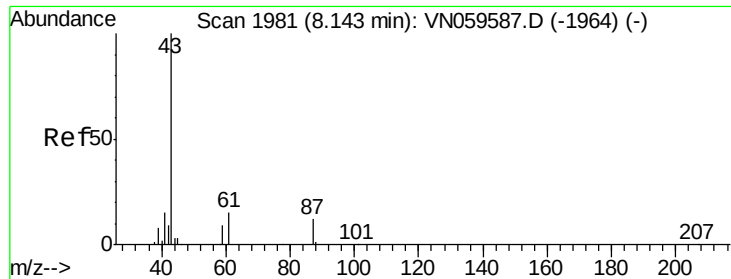
apatel
12/18/2019 10:05:12 AM



#42
1,2-Dichloroethane
Concen: 49.938 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Tgt Ion	62	Resp	233337
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8





#43

Isopropyl Acetate

Concen: 51.174 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

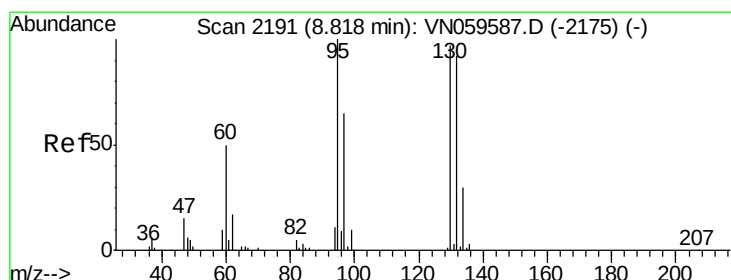
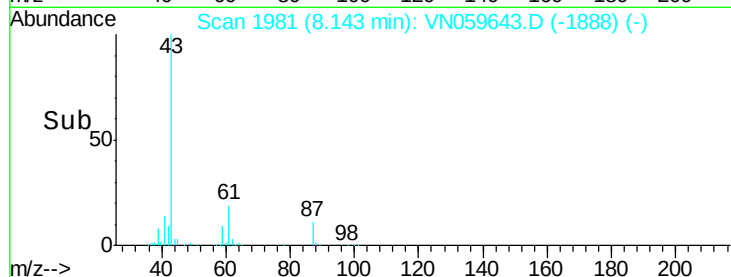
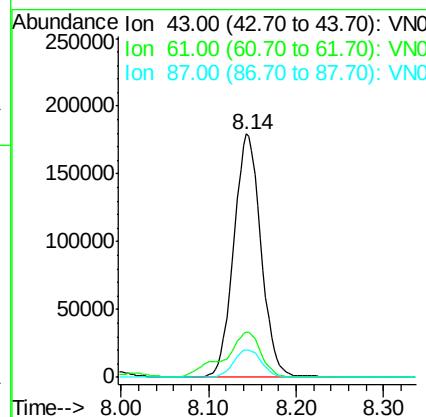
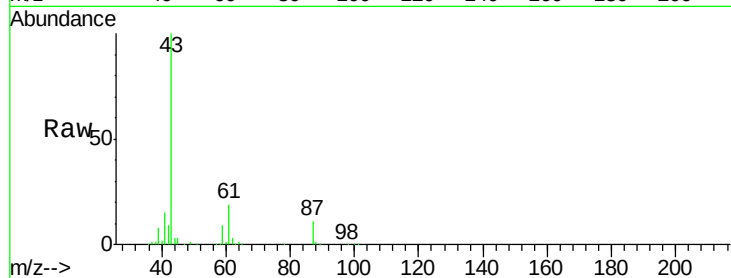
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	386074
Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.2	30.2
87	11.8	9.5	14.3

Manual Integrations
APPROVED

apatel
12/18/2019 10:05:12 AM



#44

Trichloroethene

Concen: 48.100 ug/l

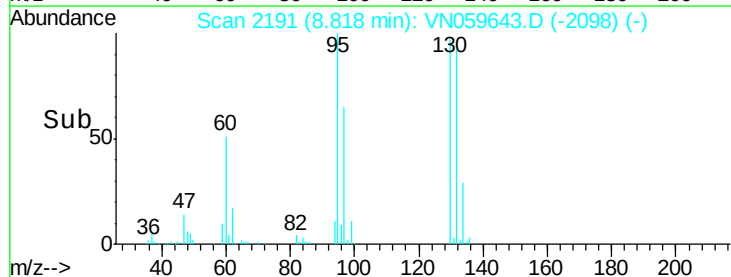
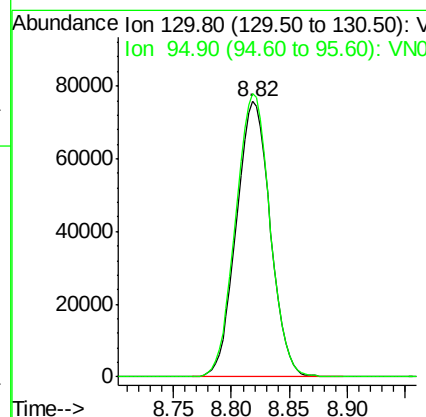
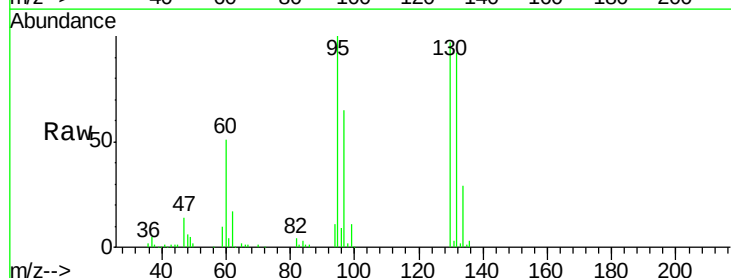
RT: 8.82 min Scan# 2191

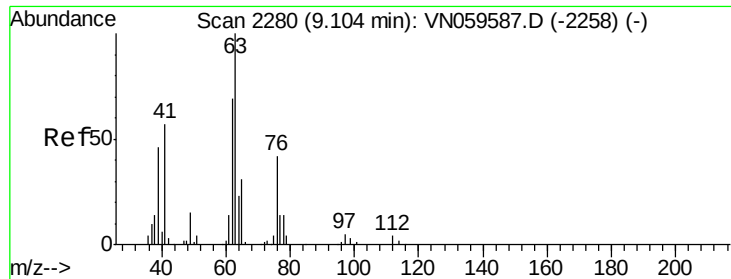
Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Tgt Ion:	130	Resp:	153722
Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	207.0





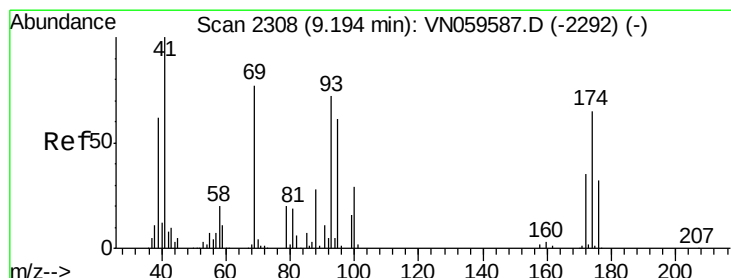
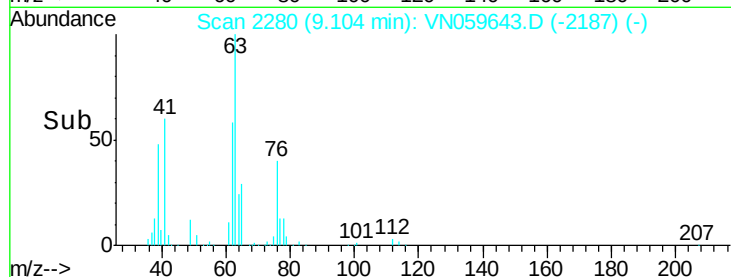
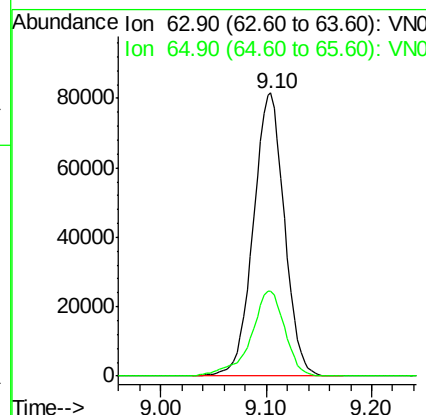
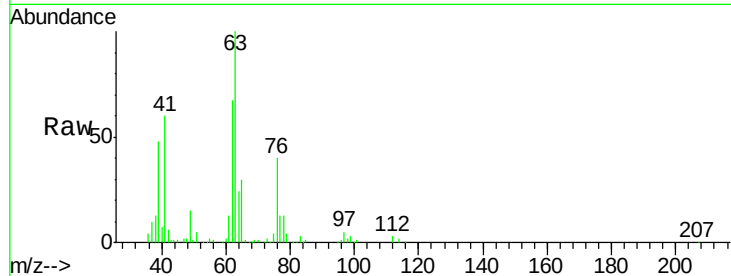
#45
 1,2-Dichloropropane
 Concen: 50.806 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 167394
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.9 37.3

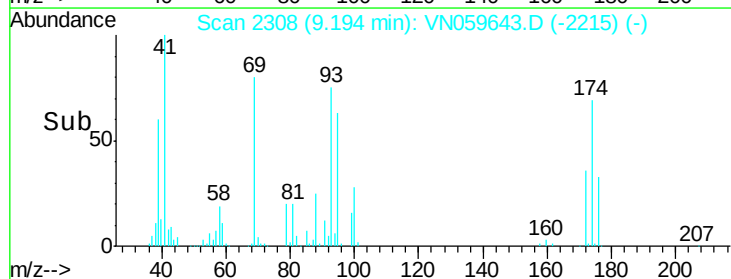
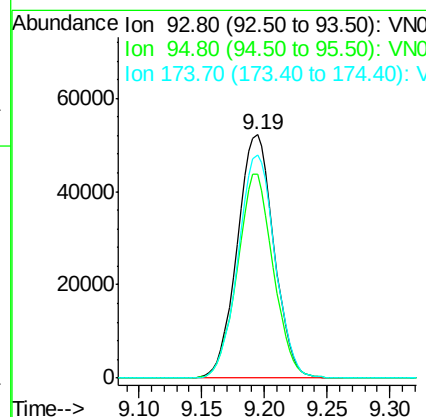
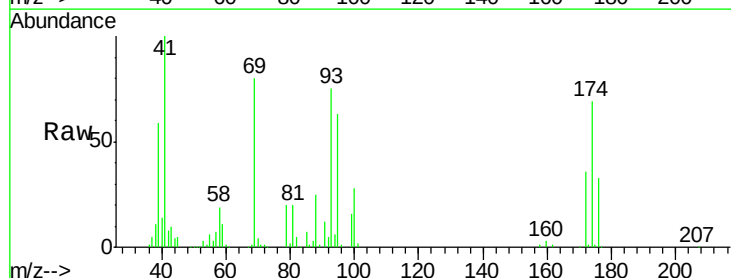
Manual Integrations
 APPROVED

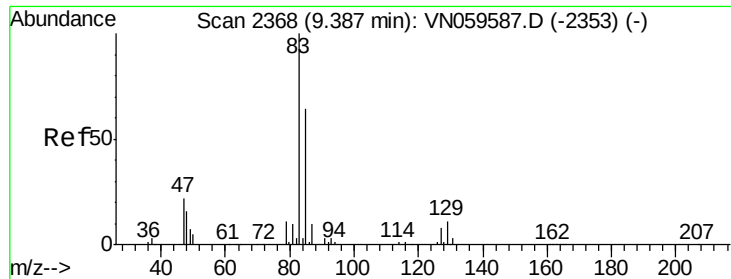
apatel
 12/18/2019 10:05:12 AM



#46
 Dibromomethane
 Concen: 49.163 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Tgt Ion: 93 Resp: 106121
 Ion Ratio Lower Upper
 93 100
 95 81.9 67.0 100.6
 174 92.1 73.4 110.2





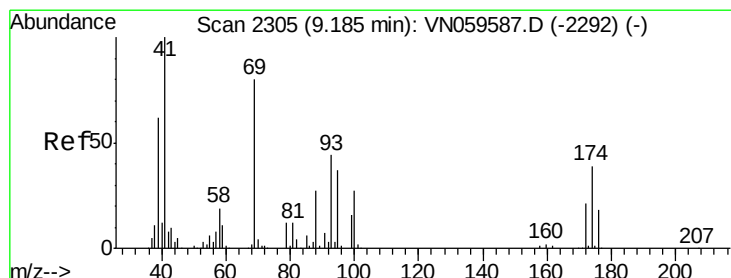
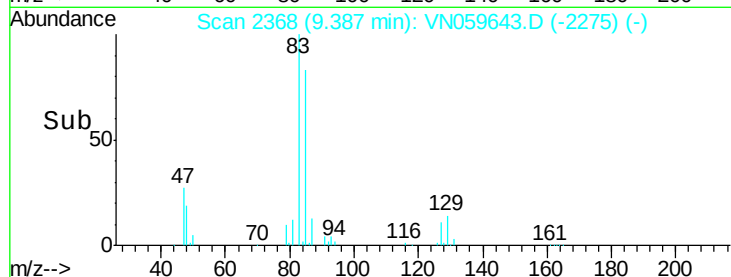
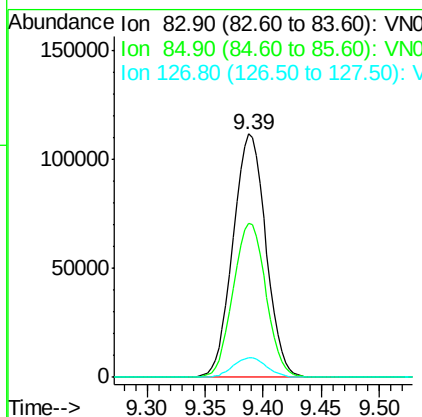
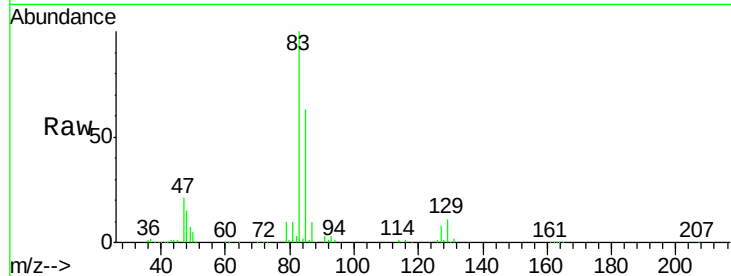
#47
Bromodichloromethane
Concen: 51.072 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	219795		
85	63.4		51.1	76.7
127	8.2		6.6	9.8

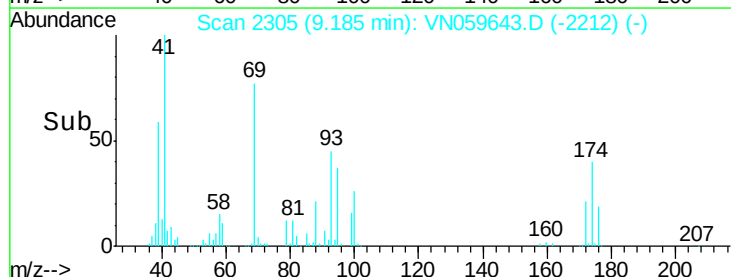
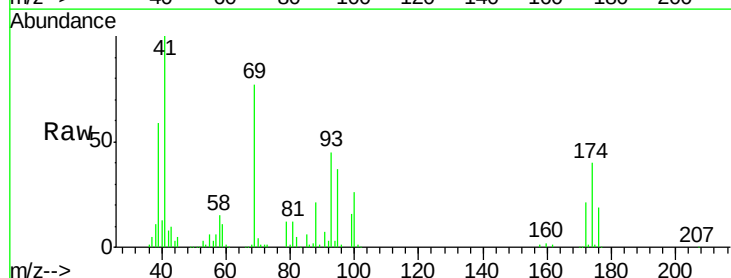
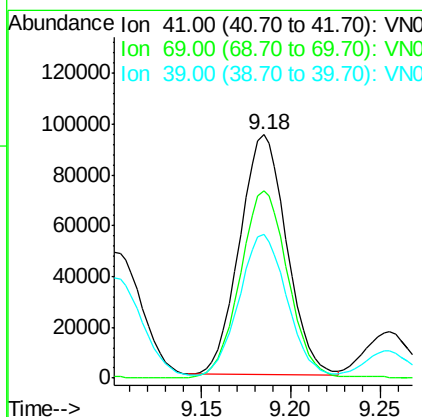
Manual Integrations
APPROVED

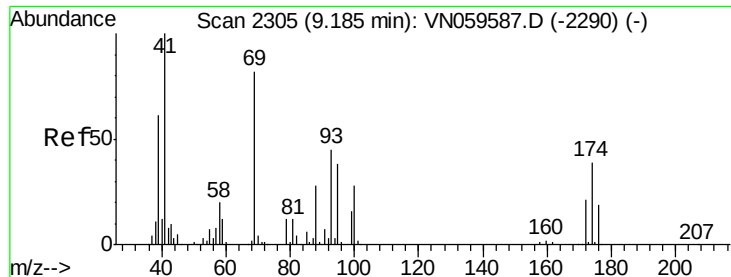
apatel
12/18/2019 10:05:12 AM



#48
Methyl methacrylate
Concen: 51.088 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	174868		
69	79.4		64.4	96.6
39	61.3		51.3	76.9





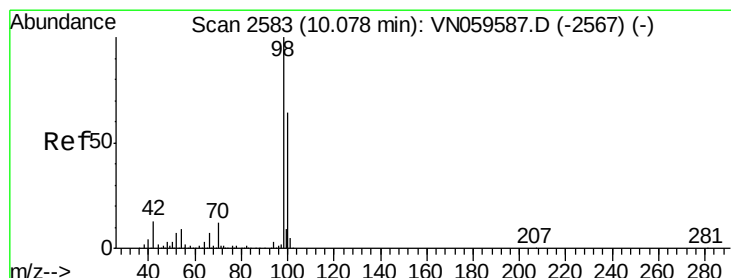
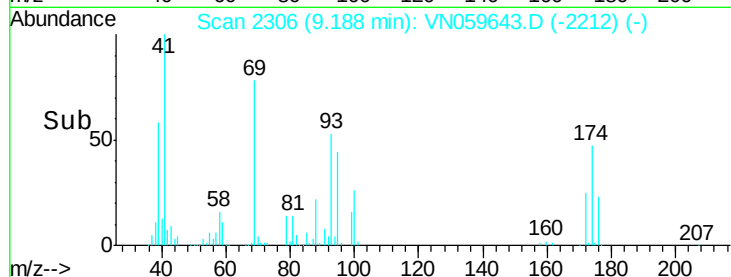
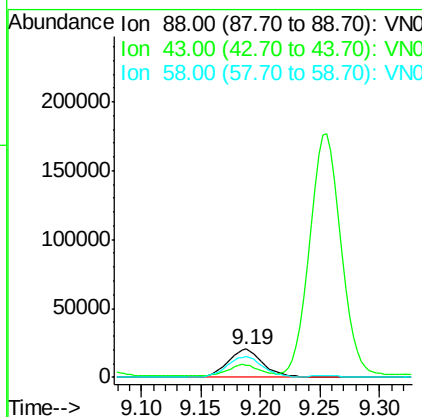
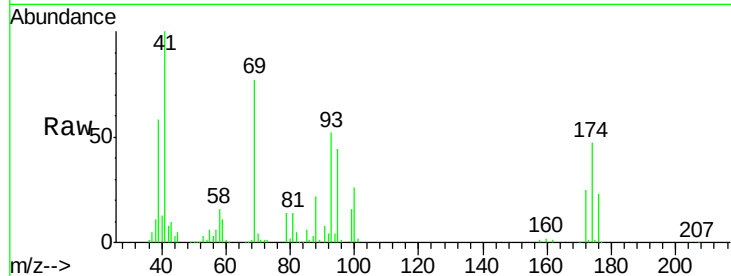
#49
1,4-Dioxane
Concen: 858.036 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	29.7	44.5
58	74.6	56.6	85.0

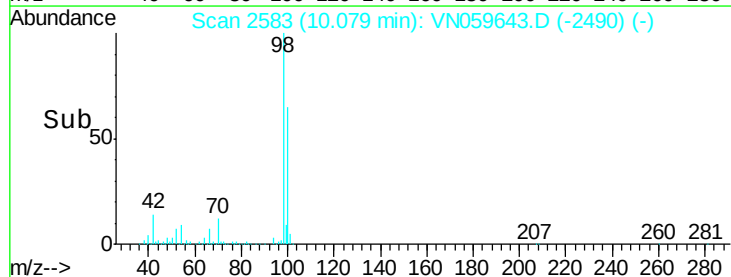
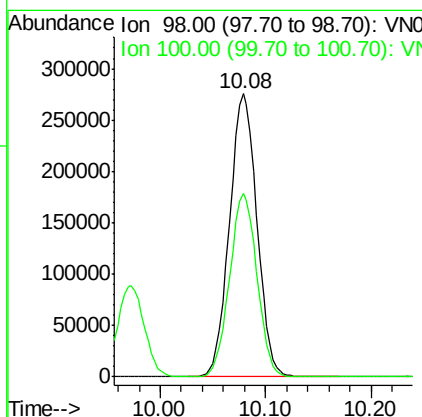
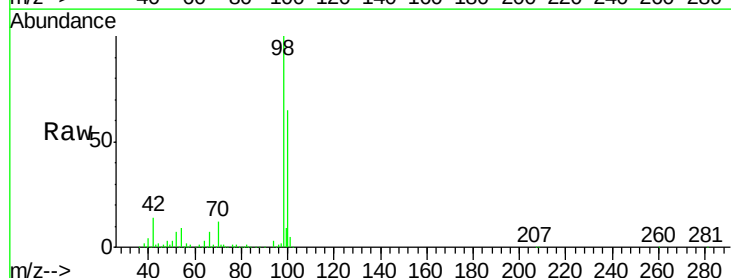
Manual Integrations
APPROVED

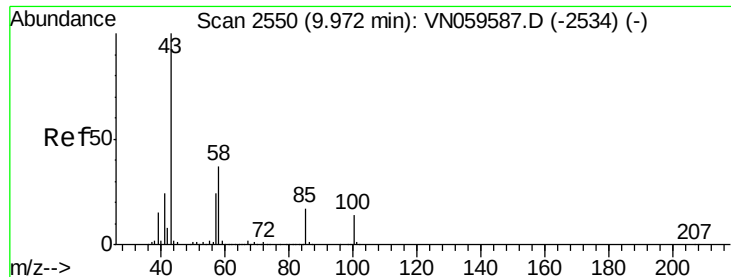
apatel
12/18/2019 10:05:12 AM



#50
Toluene-d8
Concen: 49.953 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





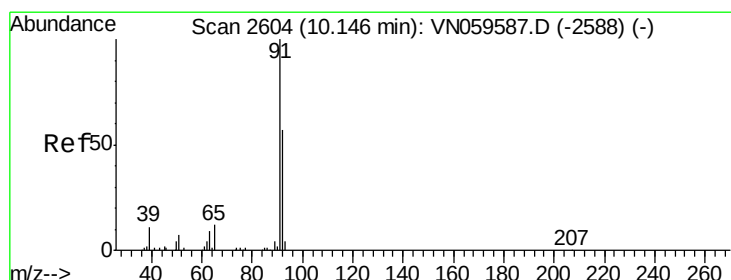
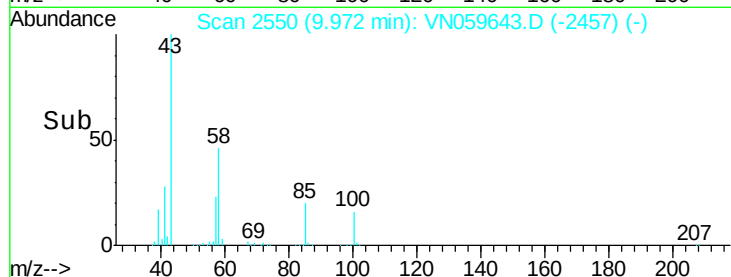
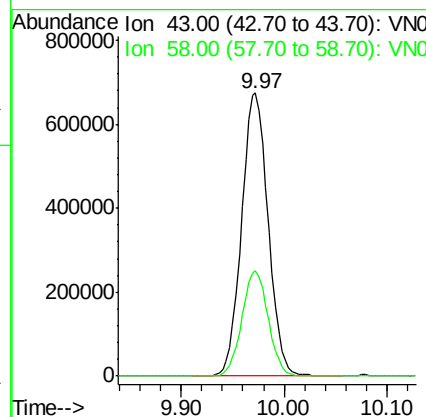
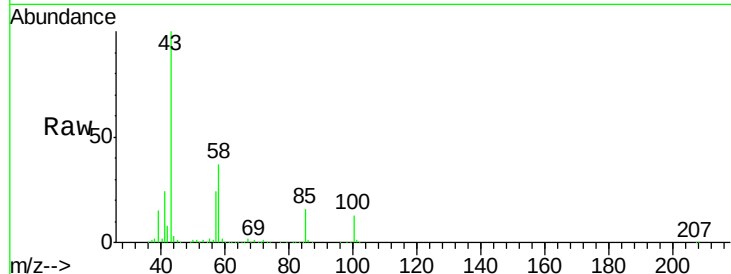
#51
4-Methyl-2-Pentanone
Concen: 267.356 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1202596
Ion Ratio Lower Upper
43 100
58 37.0 29.8 44.8

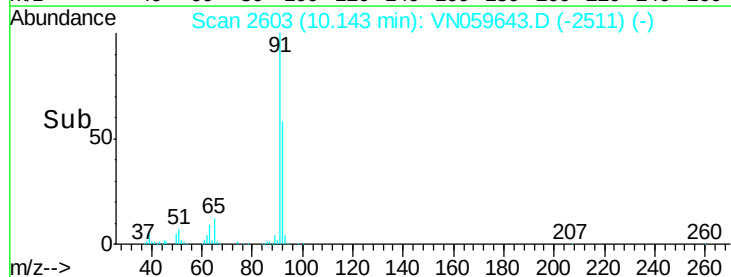
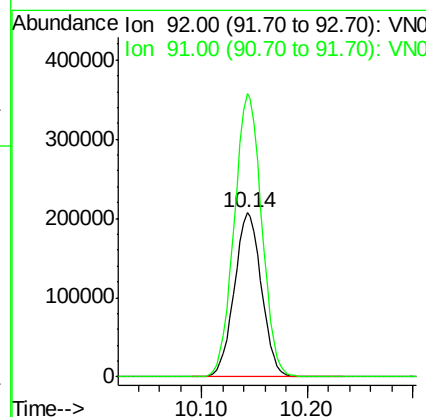
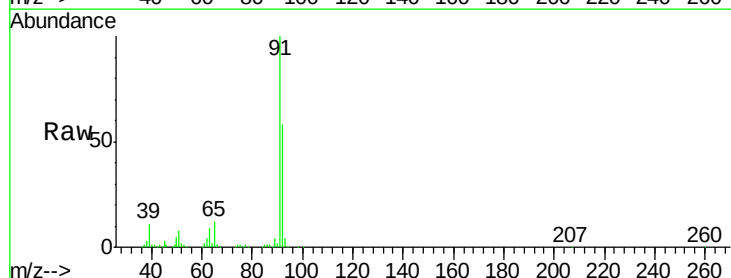
Manual Integrations
APPROVED

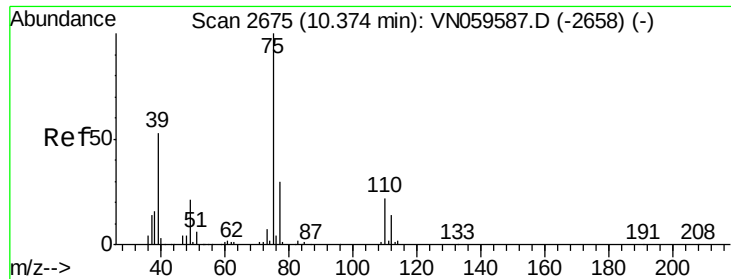
apatel
12/18/2019 10:05:12 AM



#52
Toluene
Concen: 49.128 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Tgt Ion: 92 Resp: 368297
Ion Ratio Lower Upper
92 100
91 175.2 140.4 210.6





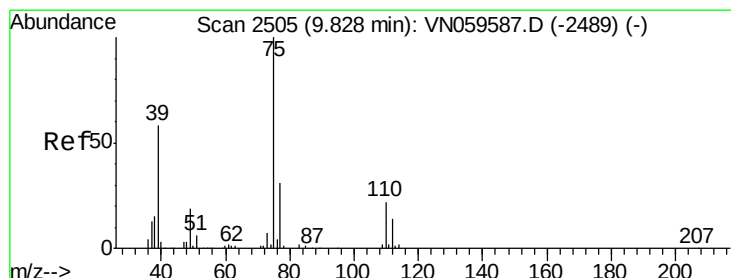
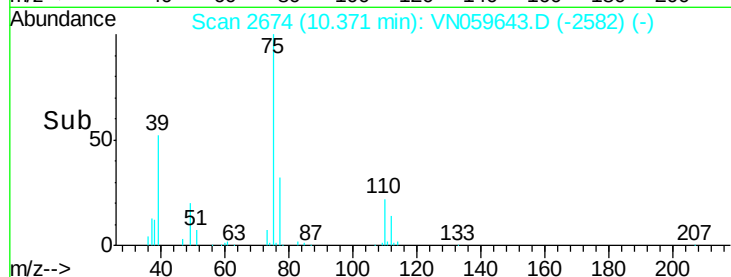
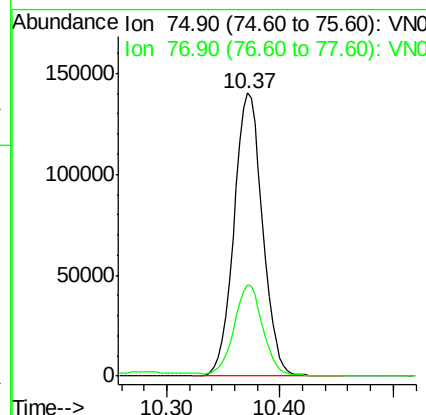
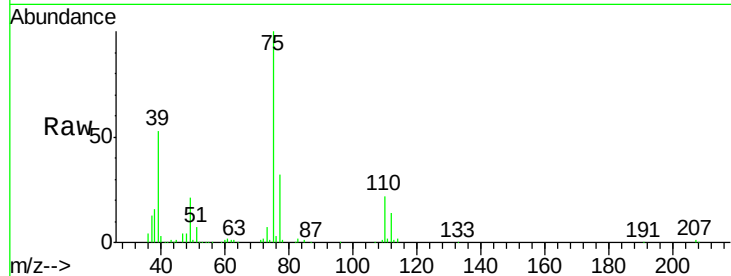
#53
t-1,3-Dichloropropene
Concen: 49.494 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 246345
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

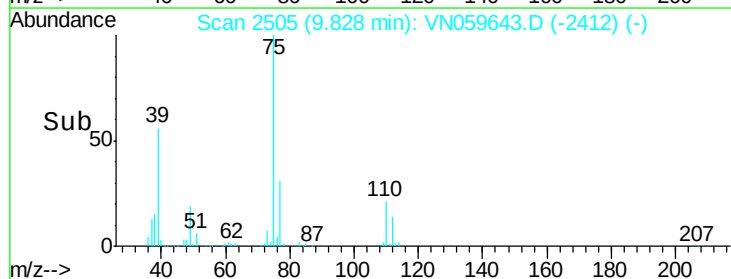
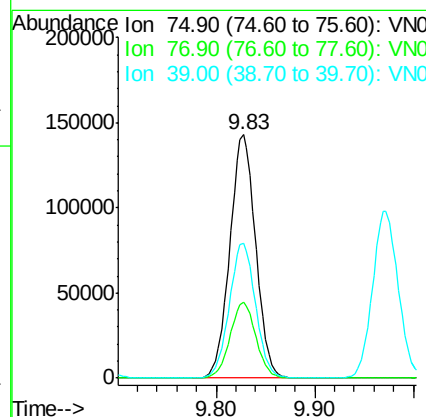
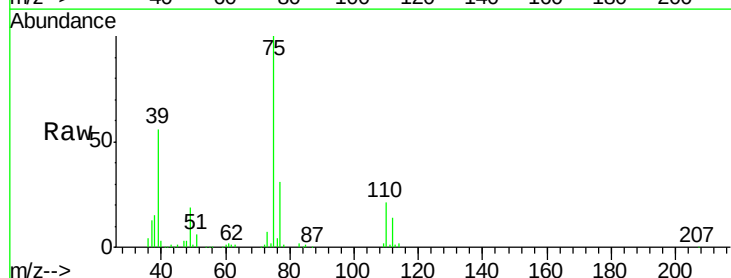
Manual Integrations
APPROVED

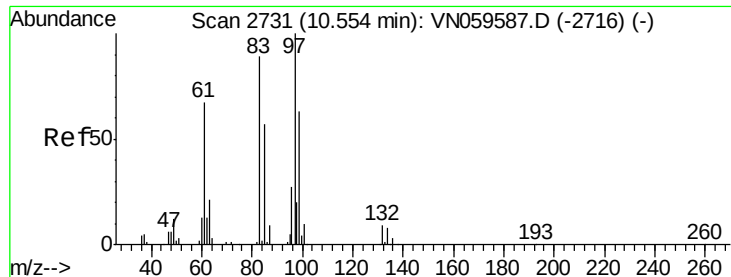
apatel
12/18/2019 10:05:12 AM



#54
cis-1,3-Dichloropropene
Concen: 50.186 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Tgt Ion: 75 Resp: 262566
Ion Ratio Lower Upper
75 100
77 31.1 25.1 37.7
39 55.6 46.1 69.1





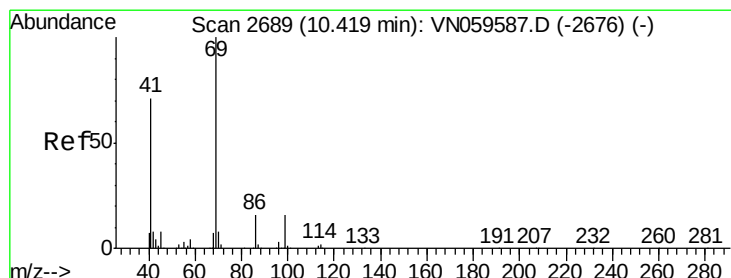
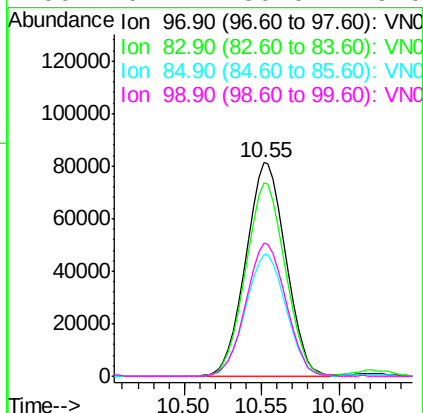
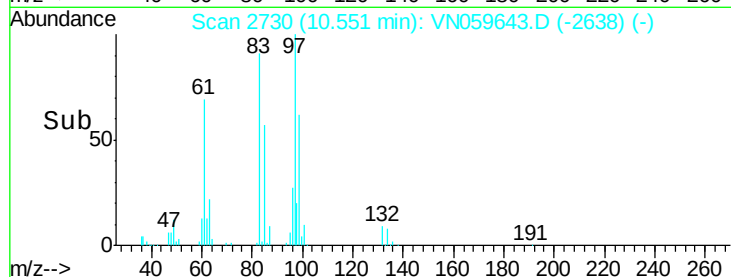
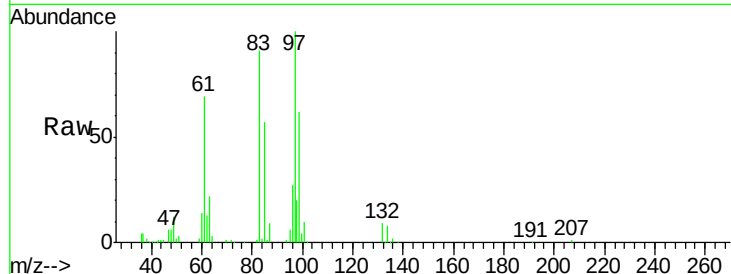
#55
 1,1,2-Trichloroethane
 Concen: 49.830 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	90.6	71.3	106.9	
85	56.8	45.8	68.8	
99	62.4	50.0	75.0	

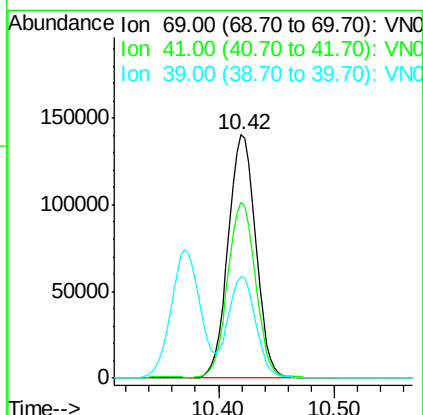
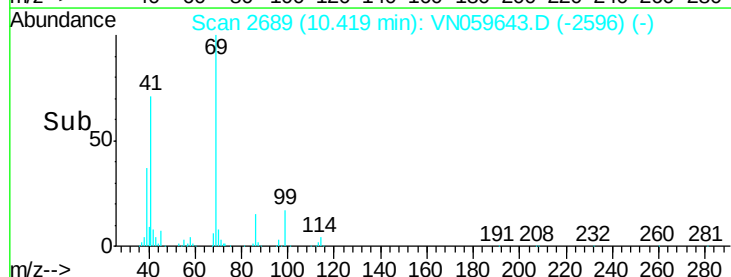
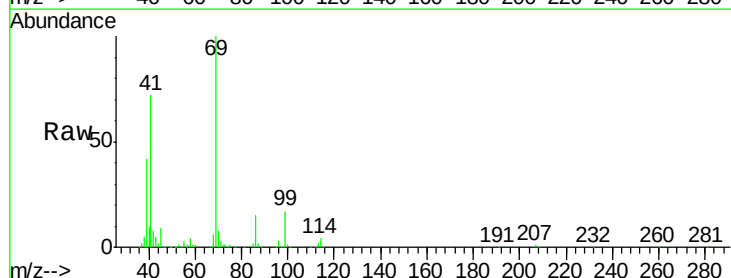
Manual Integrations
 APPROVED

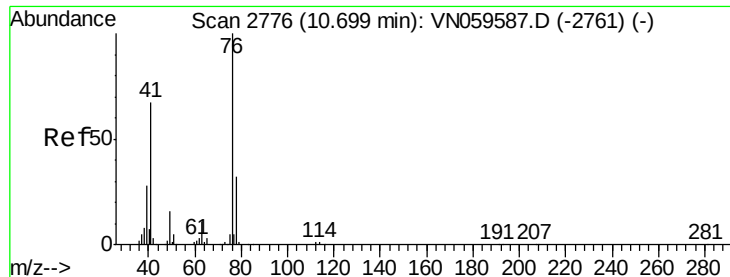
apatel
 12/18/2019 10:05:12 AM



#56
 Ethyl methacrylate
 Concen: 53.131 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	72.3	57.1	85.7	
39	41.9	34.7	52.1	





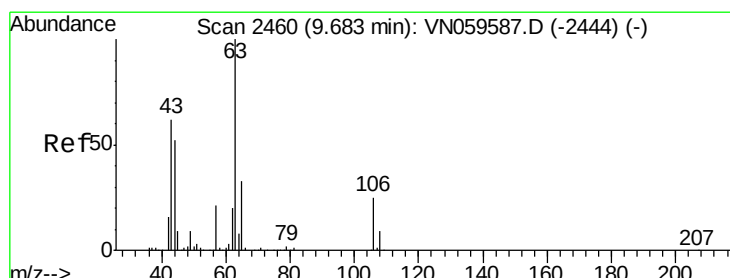
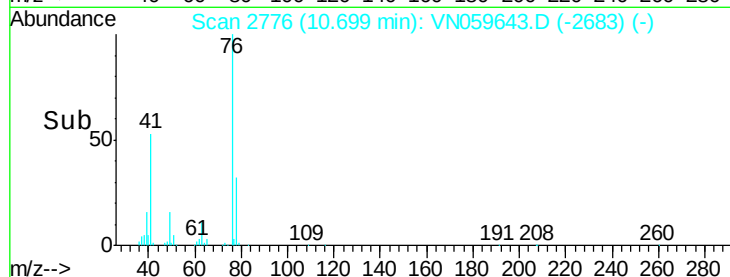
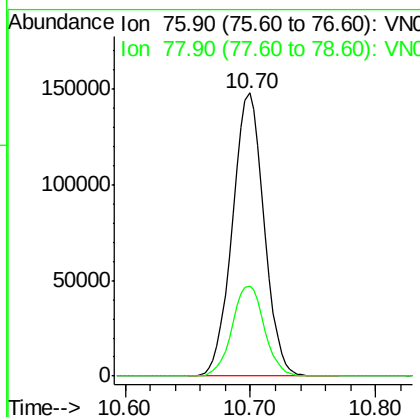
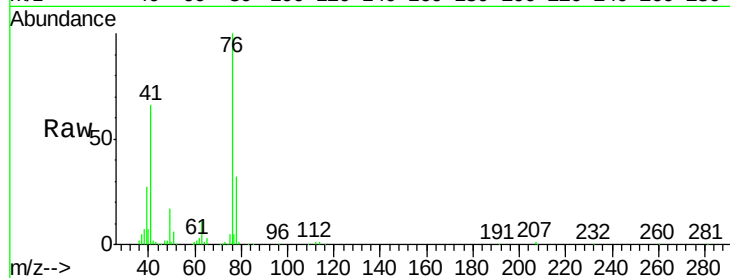
#57
 1,3-Dichloropropane
 Concen: 50.561 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

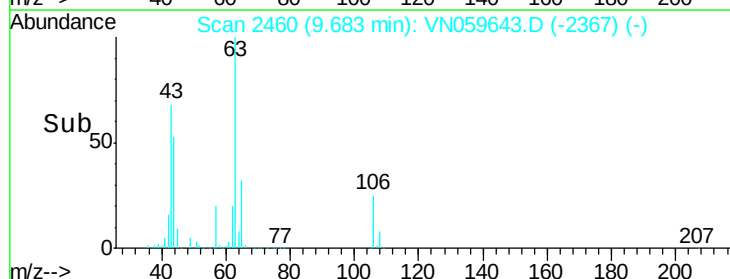
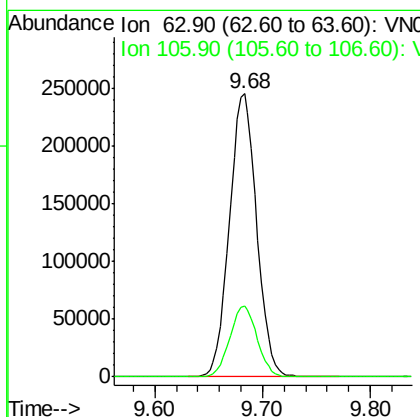
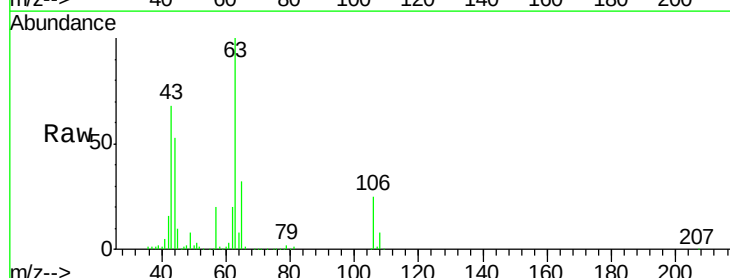
Manual Integrations
 APPROVED

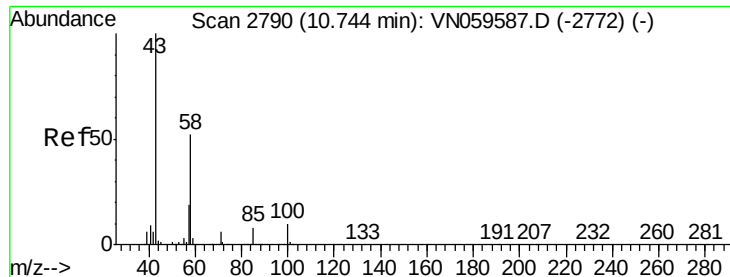
apatel
 12/18/2019 10:05:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 311.036 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	20.2	30.2





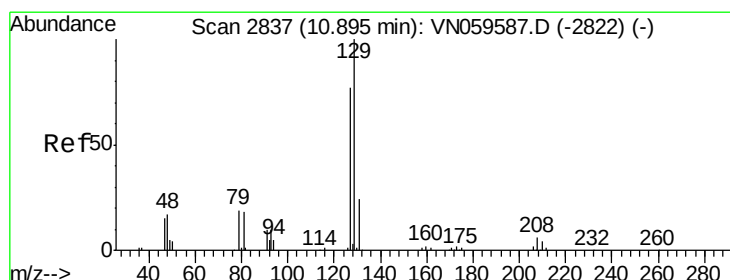
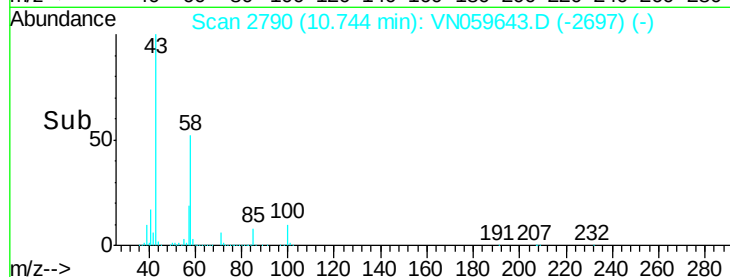
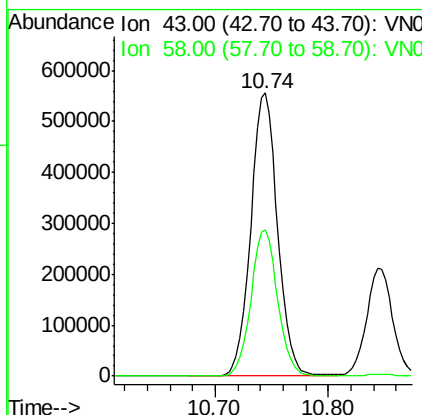
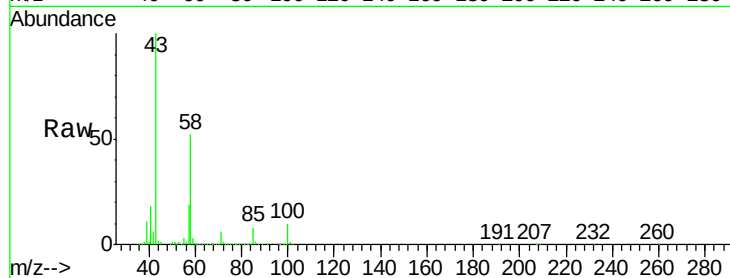
#59
2-Hexanone
Concen: 256.710 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 910065
Ion Ratio Lower Upper
43 100
58 51.6 25.8 77.3

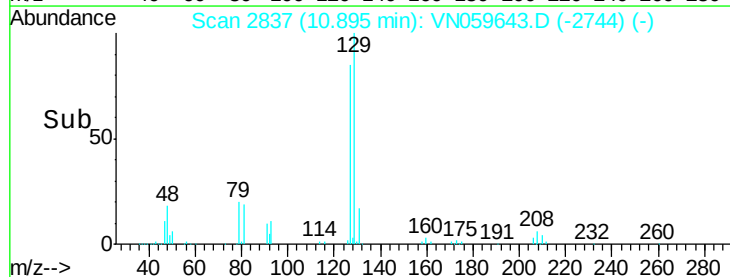
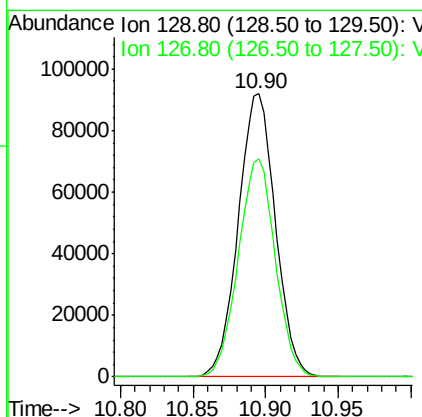
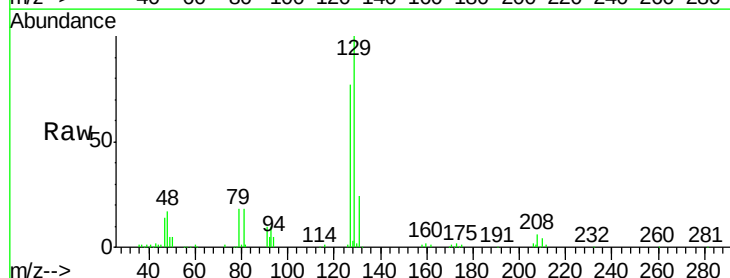
Manual Integrations
APPROVED

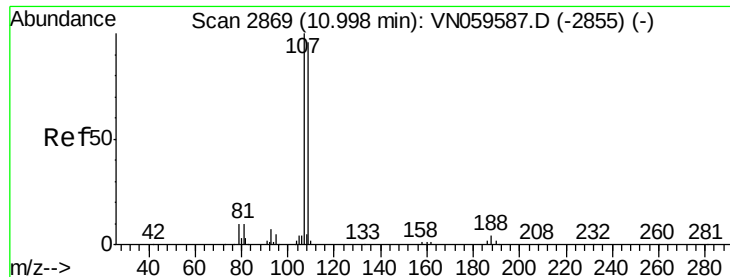
apatel
12/18/2019 10:05:12 AM



#60
Dibromochloromethane
Concen: 51.095 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Tgt Ion: 129 Resp: 164051
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.056 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 153049

Ion Ratio Lower Upper

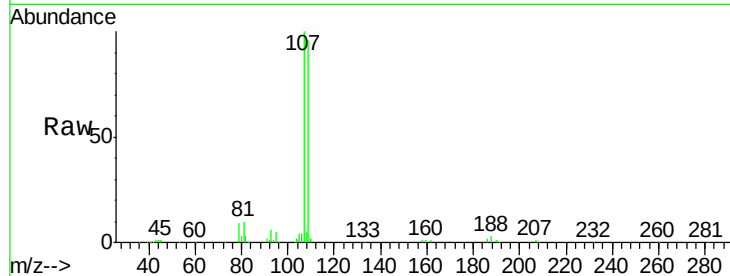
107 100

109 95.5 76.6 115.0

Manual Integrations
APPROVED

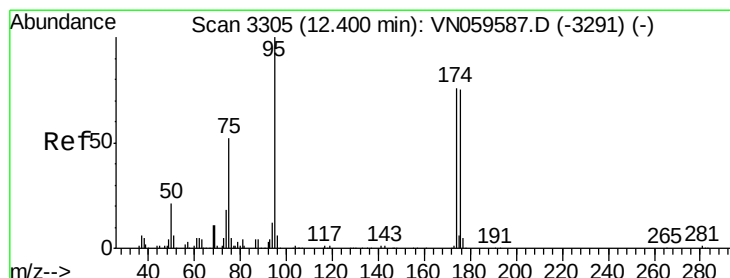
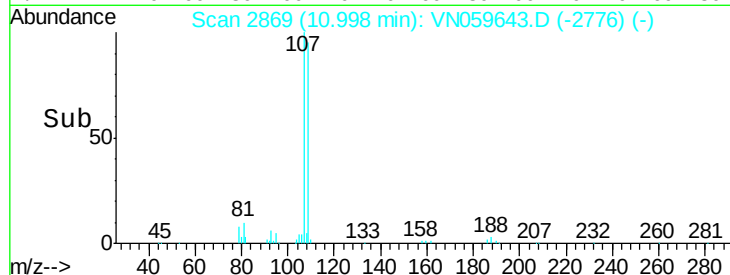
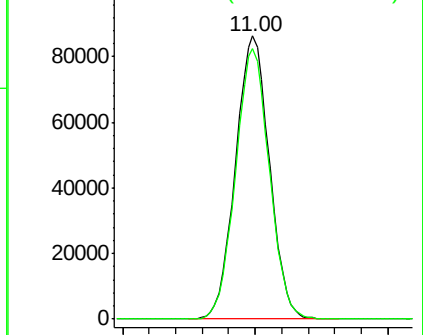
apatel

12/18/2019 10:05:12 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.223 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

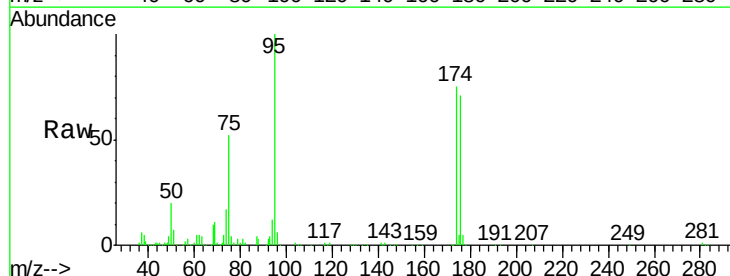
Tgt Ion: 95 Resp: 181746

Ion Ratio Lower Upper

95 100

174 75.2 0.0 151.4

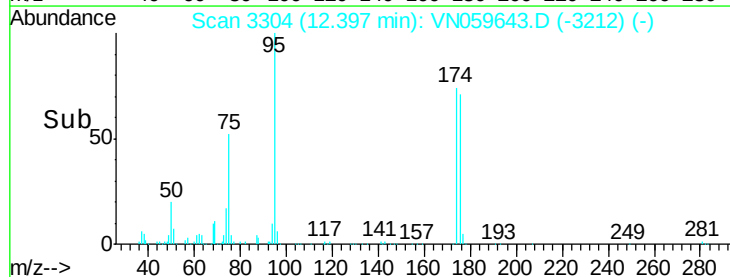
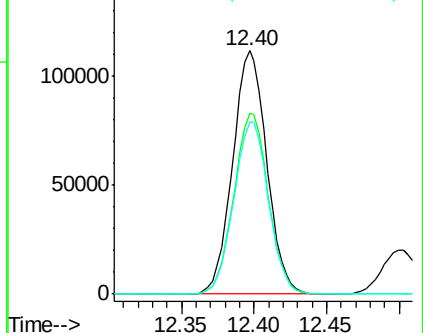
176 72.4 0.0 146.0

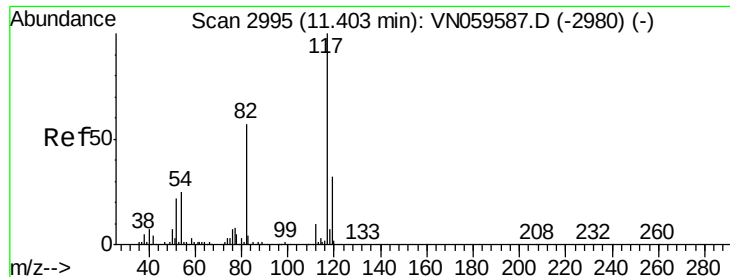


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





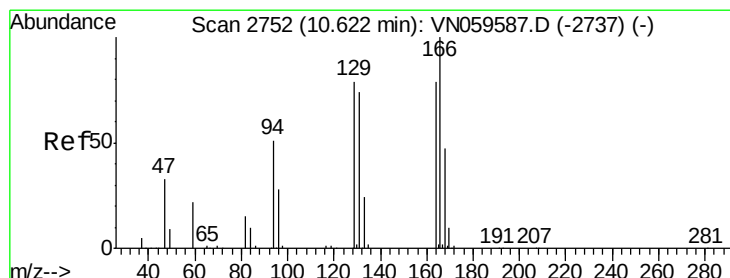
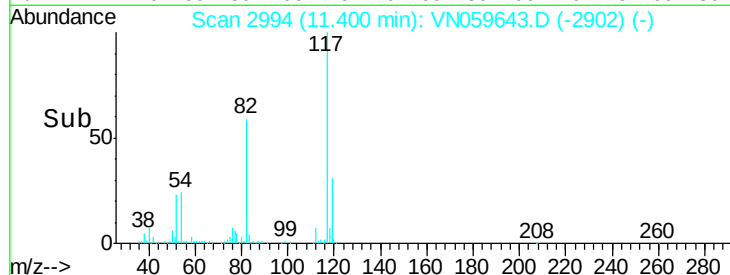
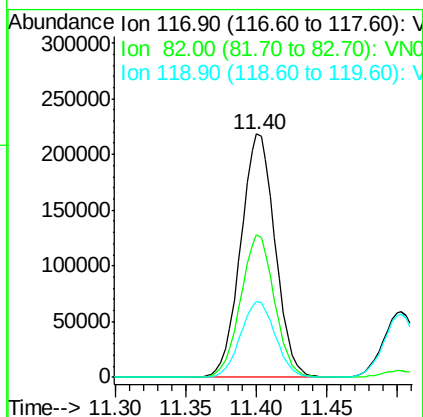
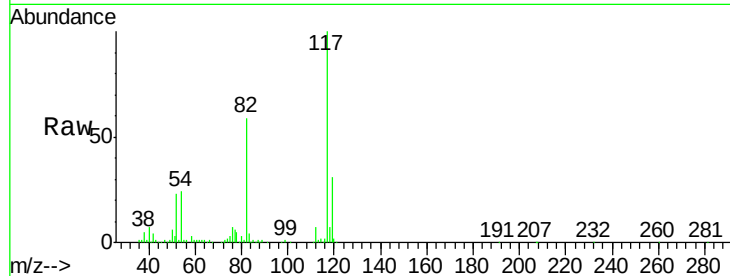
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	372903		
82	58.5		45.9	68.9
119	31.1		25.5	38.3

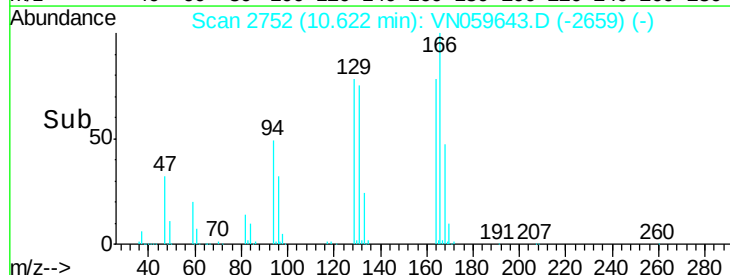
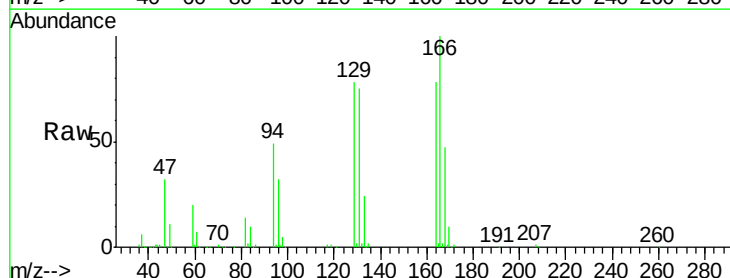
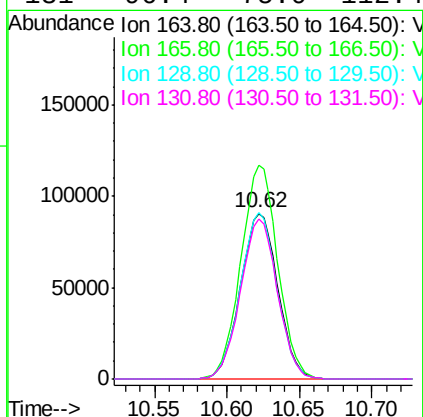
Manual Integrations
APPROVED

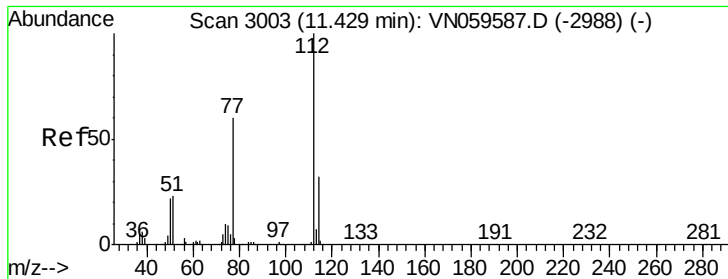
apatel
12/18/2019 10:05:12 AM



#64
Tetrachloroethene
Concen: 46.620 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	162061		
166	128.9		101.4	152.0
129	100.3		80.2	120.4
131	96.4		75.0	112.4





#65

Chlorobenzene

Concen: 47.257 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 381299

Ion Ratio Lower Upper

112 100

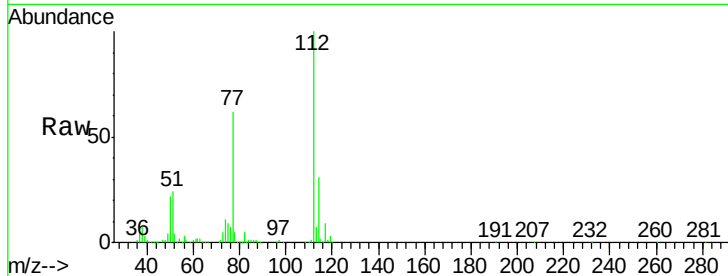
114 31.4 25.8 38.8

Manual Integrations

APPROVED

apatel

12/18/2019 10:05:12 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

250000

200000

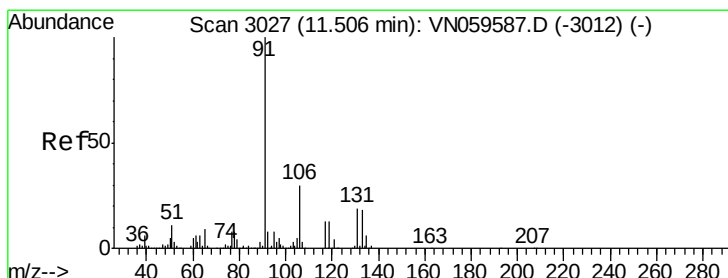
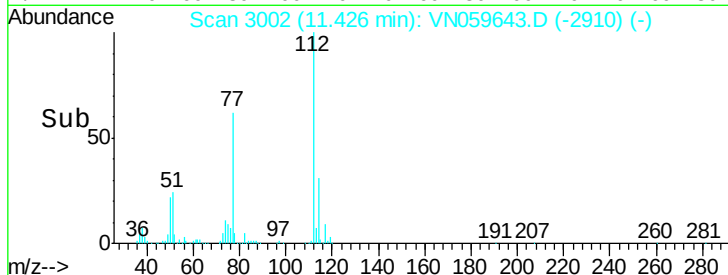
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 47.888 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

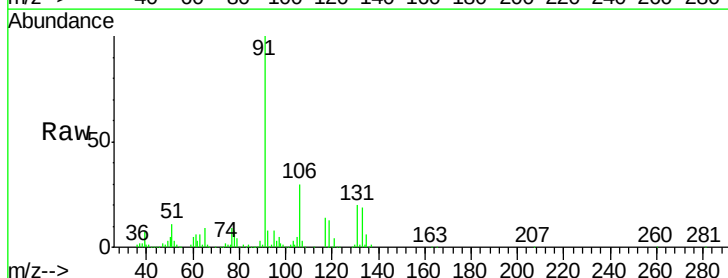
Tgt Ion:131 Resp: 146766

Ion Ratio Lower Upper

131 100

133 95.6 47.4 142.2

119 66.0 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.50

120000

100000

80000

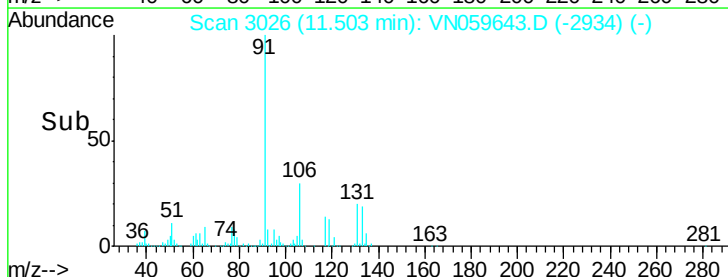
60000

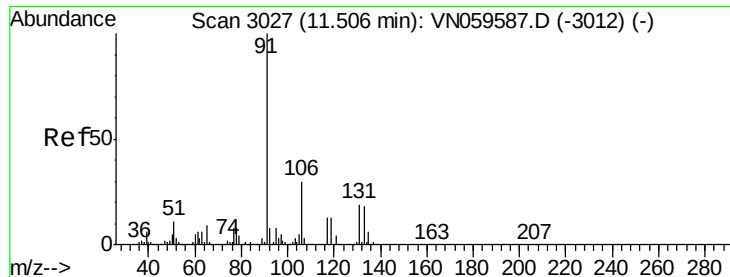
40000

20000

0

Time-->





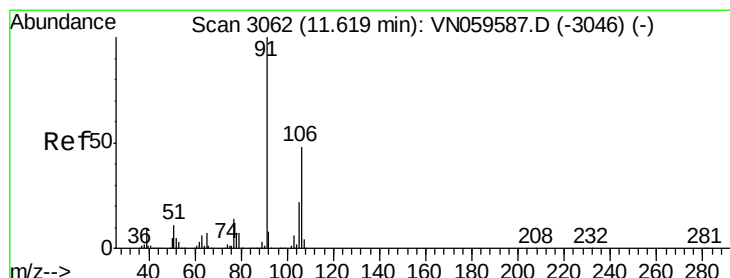
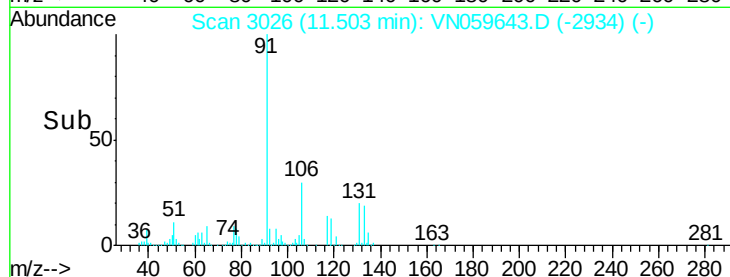
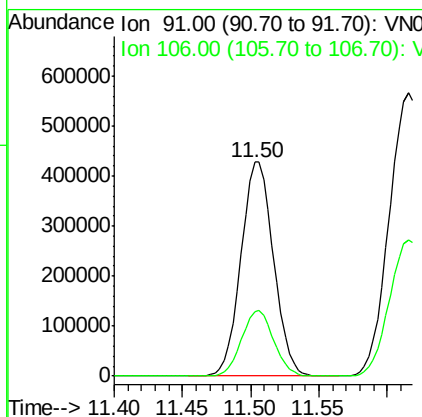
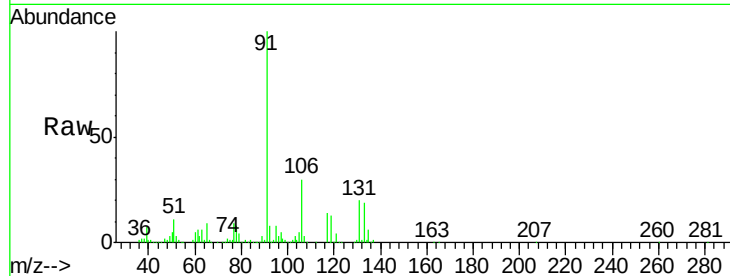
#67
Ethyl Benzene
Concen: 48.739 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 709857
Ion Ratio Lower Upper
91 100
106 30.3 24.1 36.1

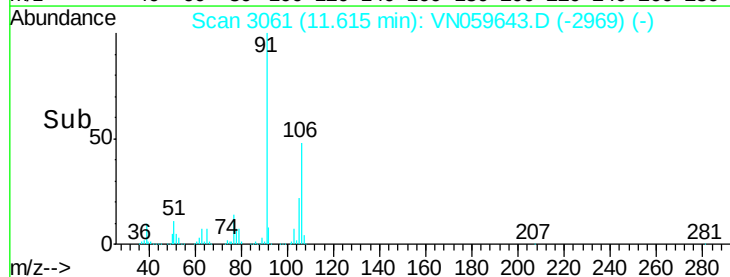
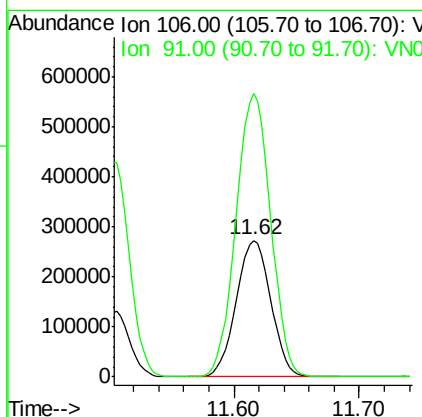
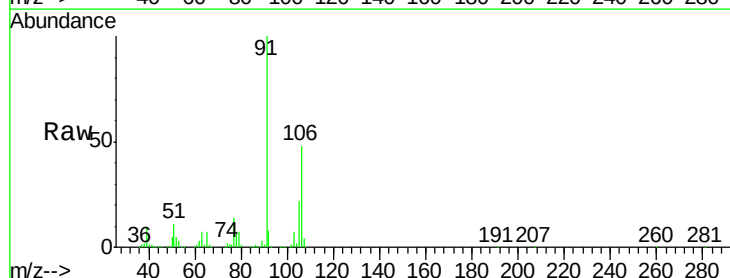
Manual Integrations
APPROVED

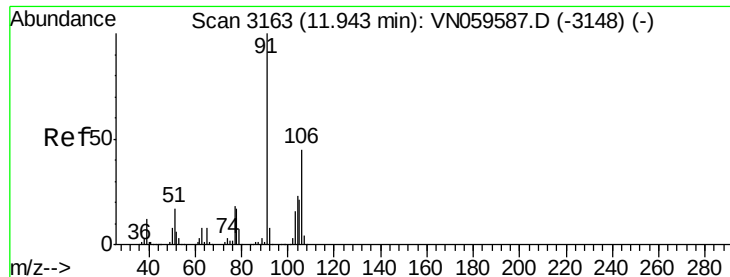
apatel
12/18/2019 10:05:12 AM



#68
m/p-Xylenes
Concen: 97.232 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Tgt Ion: 106 Resp: 522929
Ion Ratio Lower Upper
106 100
91 208.1 167.9 251.9





#69

o-Xylene

Concen: 48.390 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 247630

Ion Ratio Lower Upper

106 100

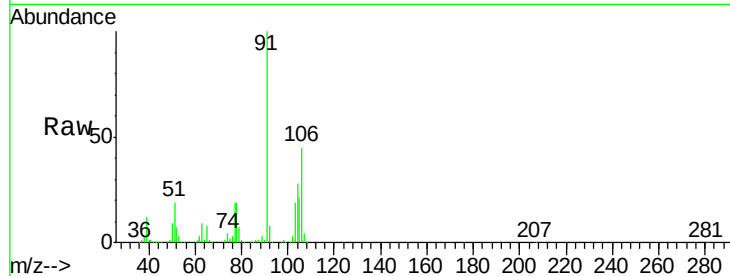
91 222.9 110.3 330.9

Manual Integrations

APPROVED

apatel

12/18/2019 10:05:12 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

300000

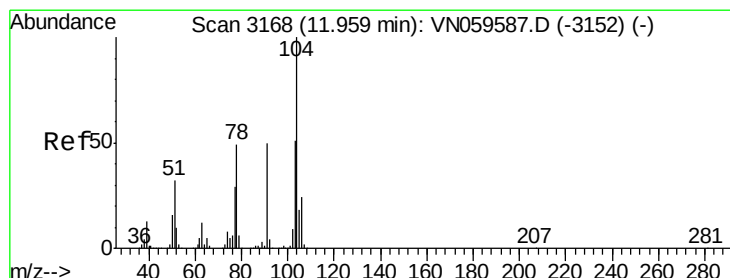
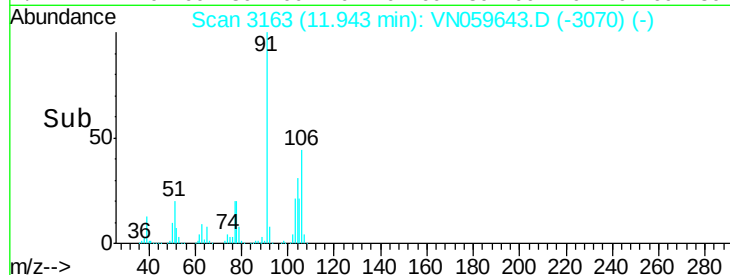
200000

100000

0

11.94

Time--> 11.85 11.90 11.95 12.00



#70

Styrene

Concen: 49.528 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

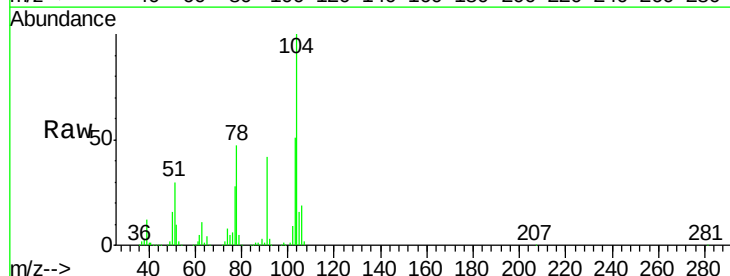
Tgt Ion:104 Resp: 407215

Ion Ratio Lower Upper

104 100

78 52.9 42.4 63.6

103 55.7 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

300000

250000

200000

150000

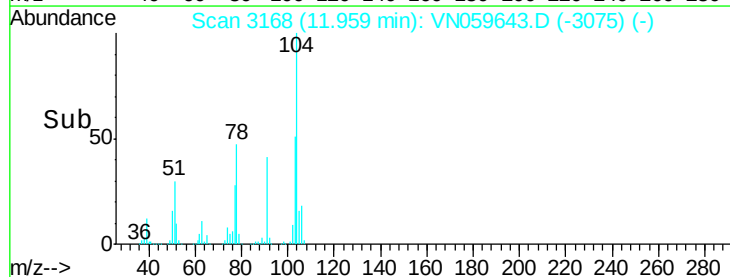
100000

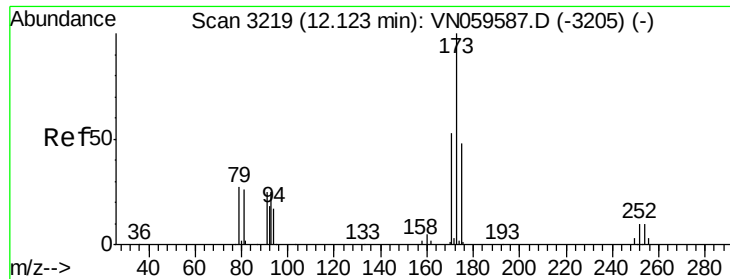
50000

0

11.96

Time--> 11.90 12.00





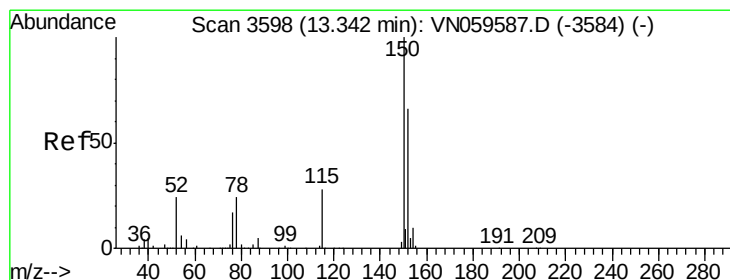
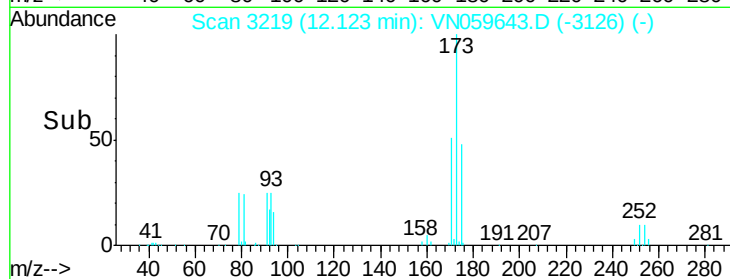
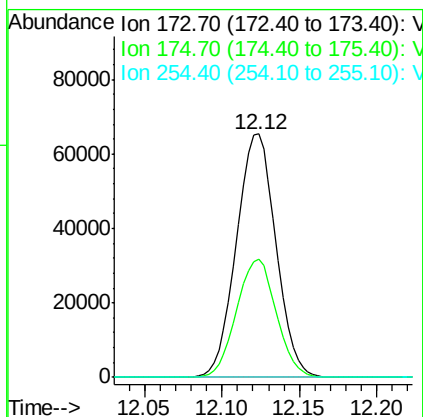
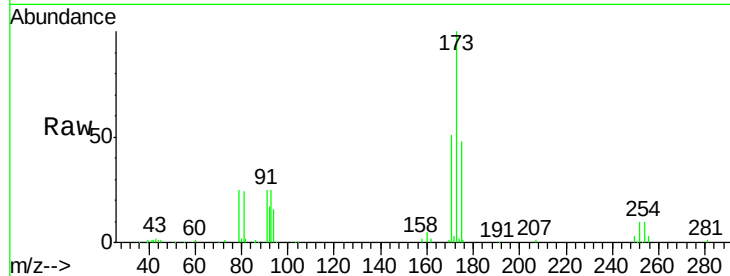
#71
Bromoform
Concen: 50.446 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.8	71.4
254	0.0	0.0	0.0

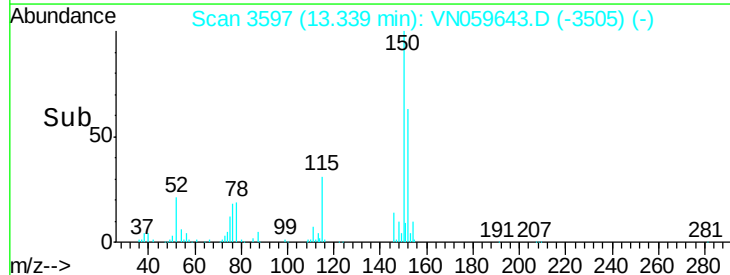
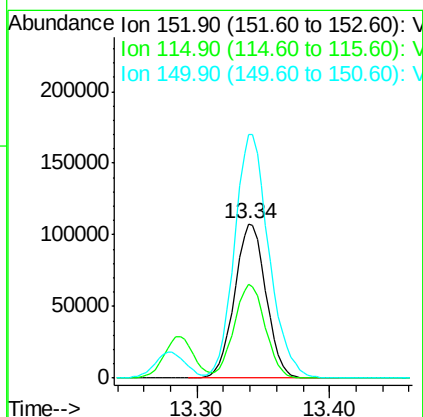
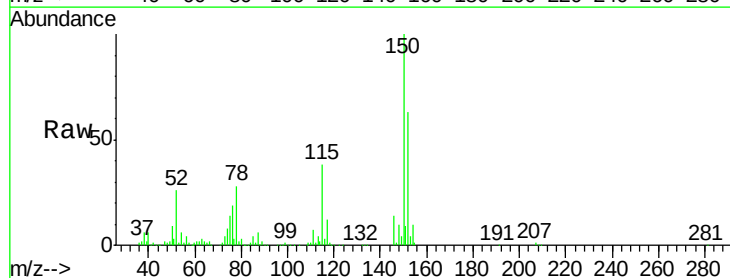
Manual Integrations
APPROVED

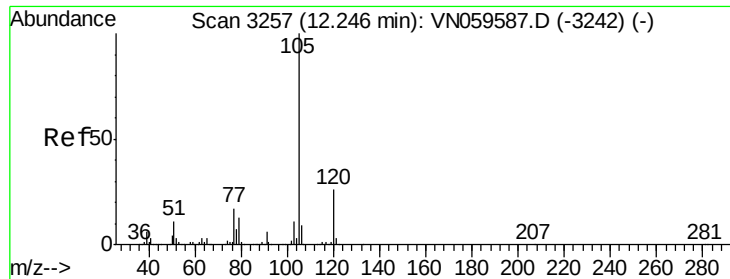
apatel
12/18/2019 10:05:12 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.3	90.9
150	172.8	0.0	345.2





#73

Isopropylbenzene

Concen: 48.483 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 673838

Ion Ratio Lower Upper

105 100

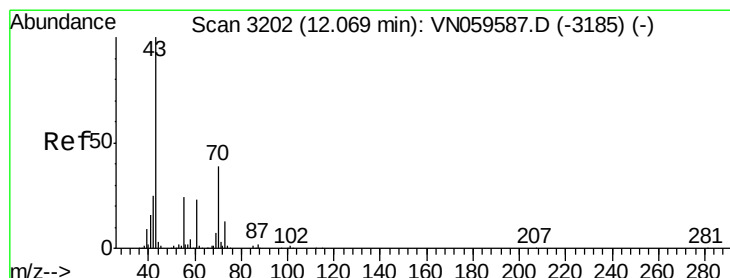
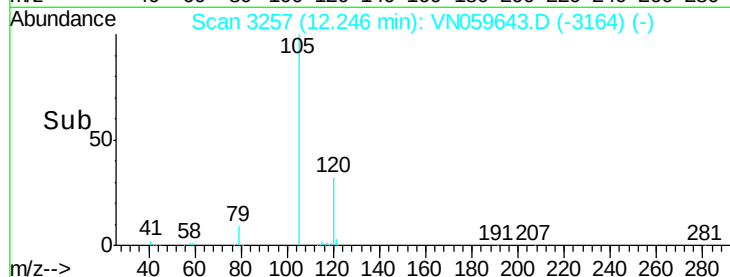
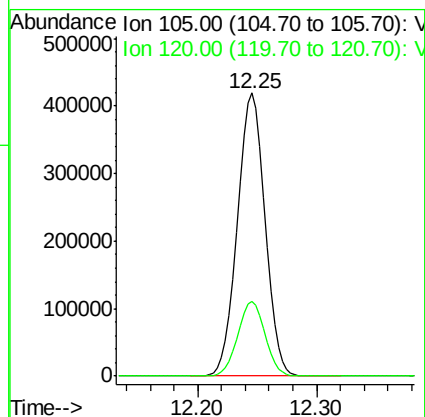
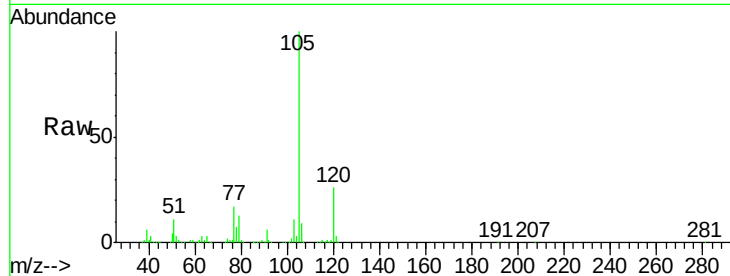
120 26.2 13.2 39.5

Manual Integrations

APPROVED

apatel

12/18/2019 10:05:12 AM



#74

N-ethyl acetate

Concen: 50.875 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Tgt Ion: 43 Resp: 324341

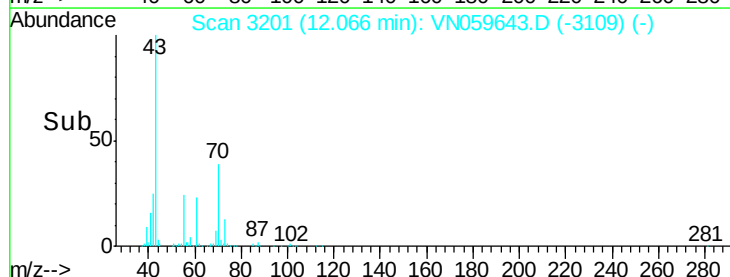
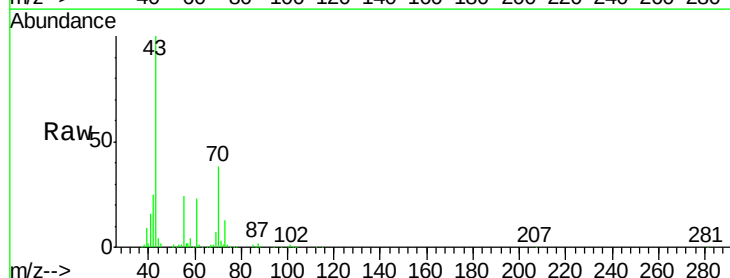
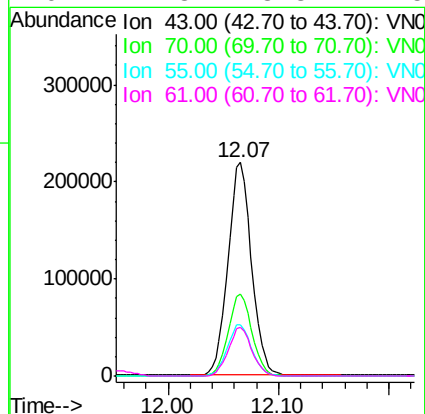
Ion Ratio Lower Upper

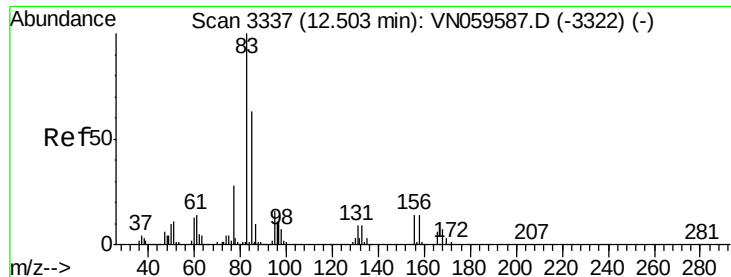
43 100

70 39.0 31.3 46.9

55 24.8 19.8 29.6

61 22.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.362 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

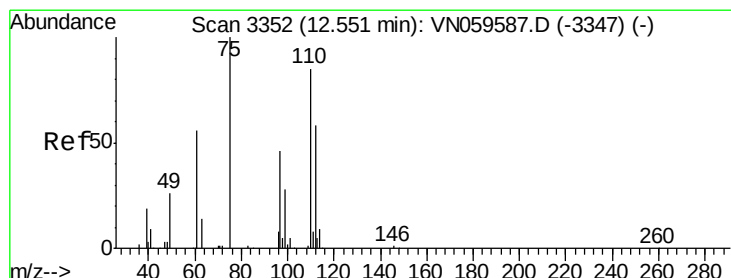
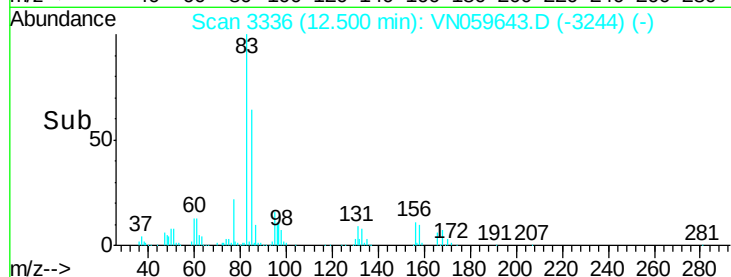
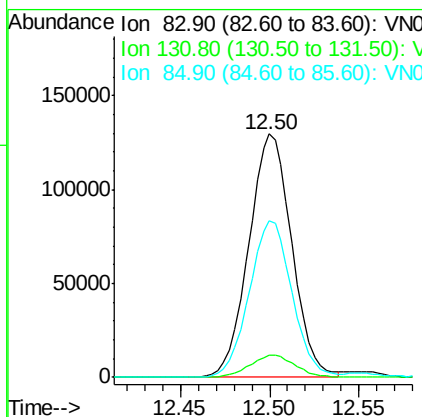
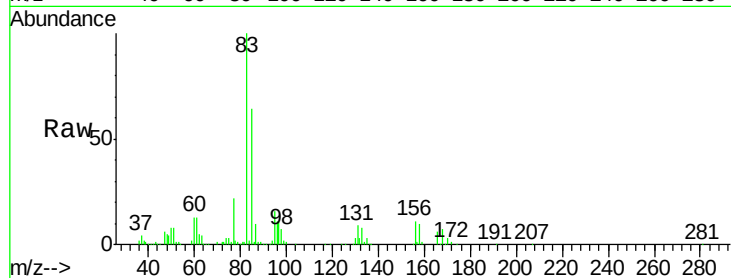
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	217625
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	14.9
85	64.1	31.9	95.5

Manual Integrations
APPROVED

apatel
12/18/2019 10:05:12 AM



#76

1,2,3-Trichloropropane

Concen: 45.980 ug/l m

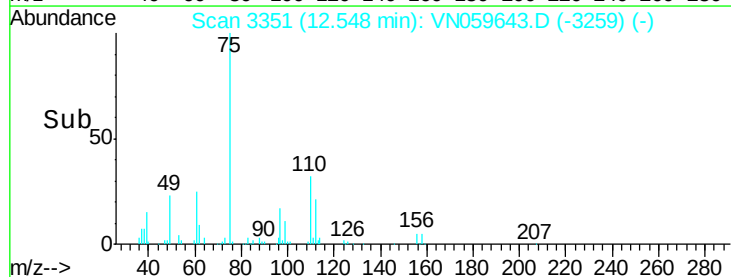
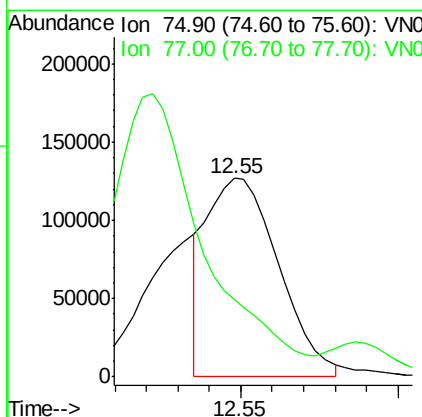
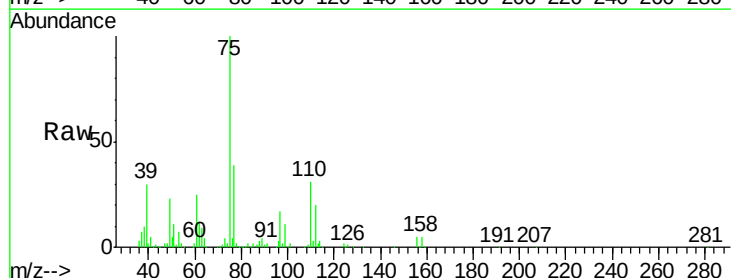
RT: 12.55 min Scan# 3351

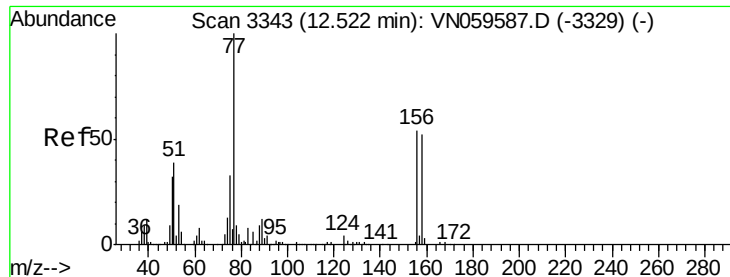
Delta R.T. -0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Tgt Ion:	75	Resp:	201526
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.712 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

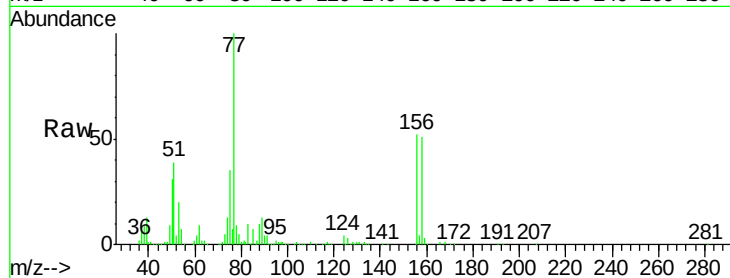
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	159660
Ion Ratio	Lower	Upper	
156	100		
77	235.6	115.8	347.4
158	97.1	49.2	147.6

Manual Integrations
APPROVED

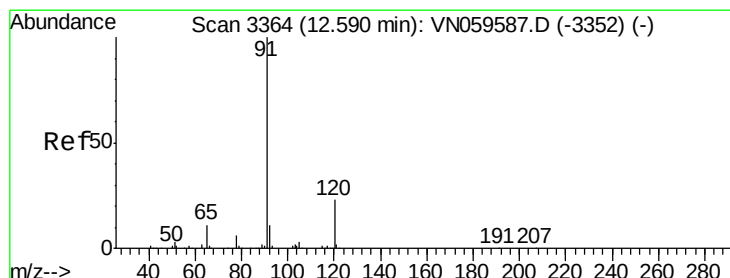
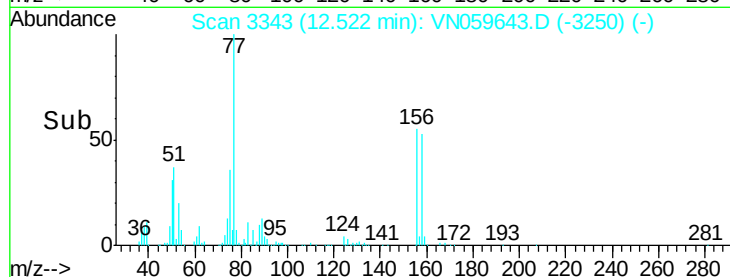
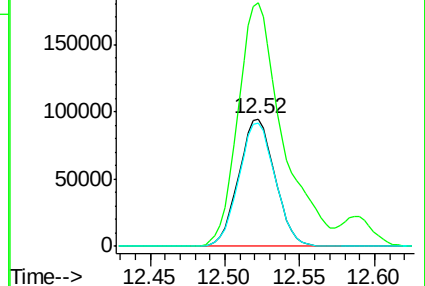
apatel
12/18/2019 10:05:12 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.926 ug/l

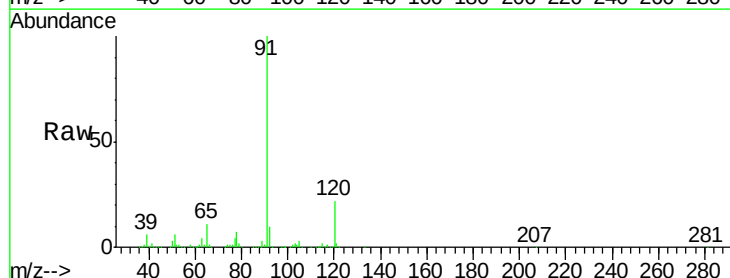
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059643.D

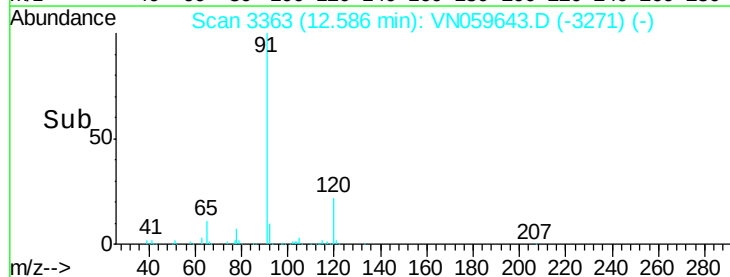
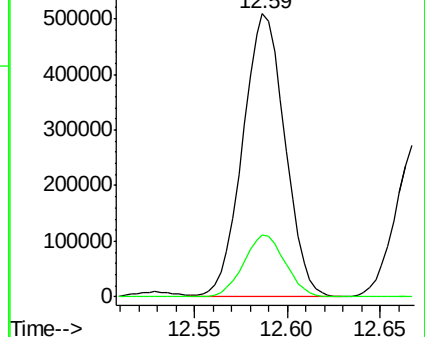
Acq: 17 Dec 2019 22:06

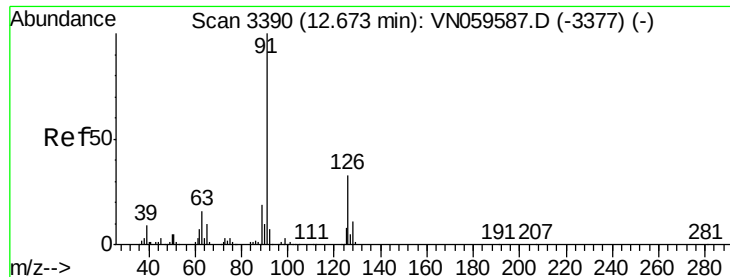
Tgt Ion:	91	Resp:	803808
Ion Ratio	Lower	Upper	
91	100		
120	21.6	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.663 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 473497

Ion Ratio Lower Upper

91 100

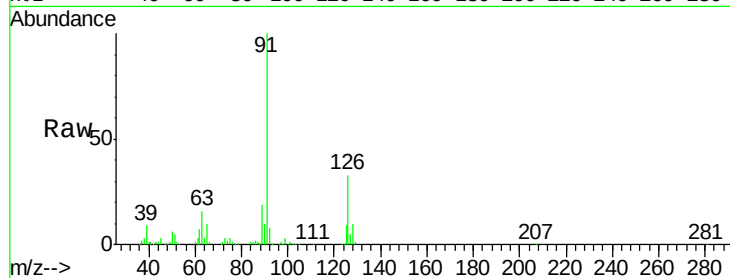
126 32.5 16.3 48.9

Manual Integrations

APPROVED

apatel

12/18/2019 10:05:12 AM



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059587.D (-3377) (-)

500000

400000

300000

200000

100000

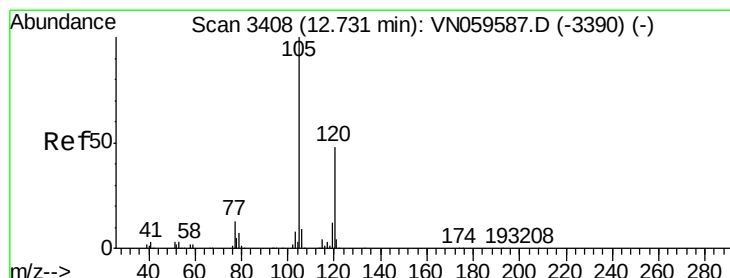
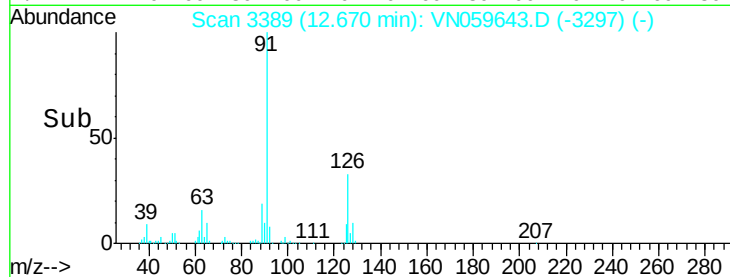
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.385 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059643.D

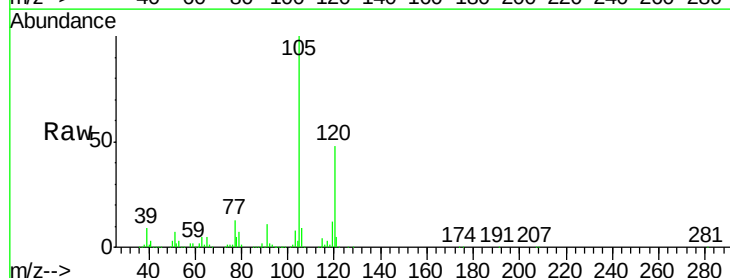
Acq: 17 Dec 2019 22:06

Tgt Ion: 105 Resp: 569075

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059587.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059587.D (-3390) (-)

400000

300000

200000

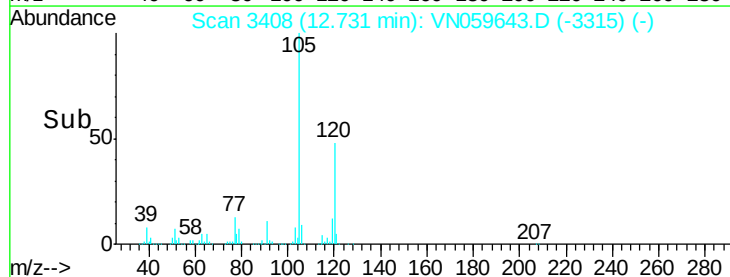
100000

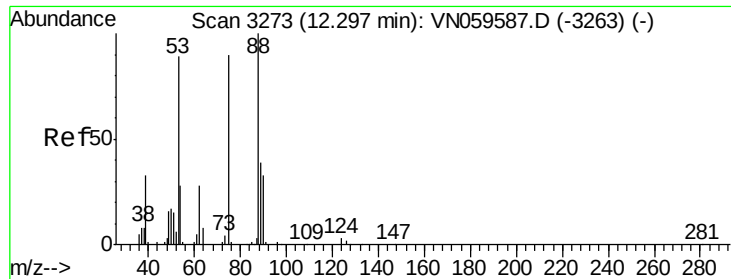
0

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.698 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

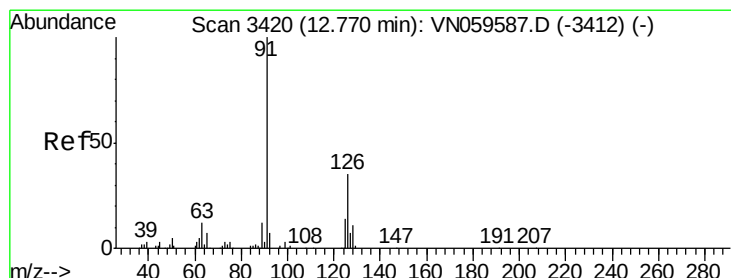
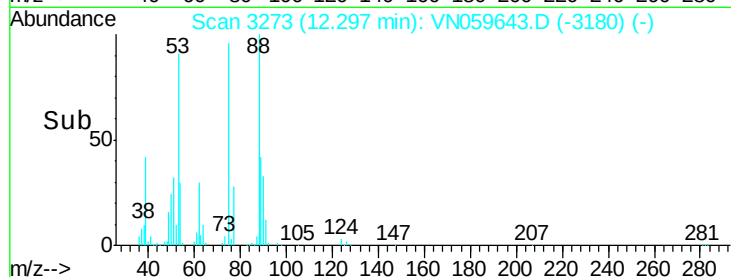
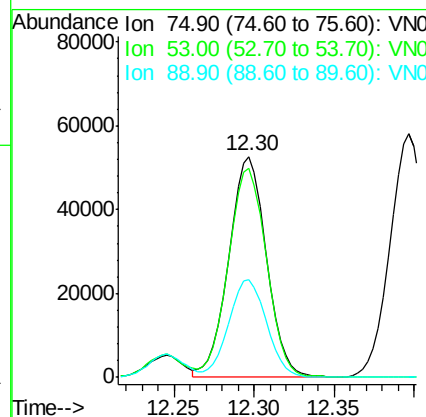
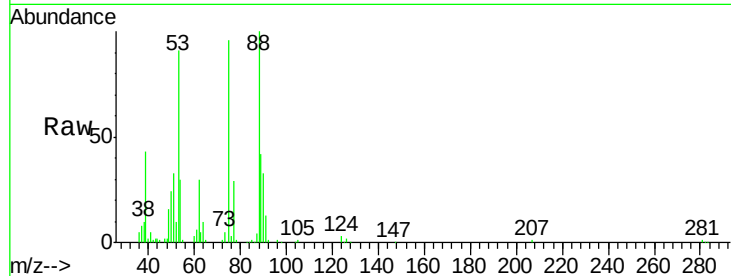
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	84642
Ion Ratio	Lower	Upper	
75	100		
53	96.5	78.1	117.1
89	44.3	35.4	53.2

Manual Integrations
APPROVED

apatel
12/18/2019 10:05:12 AM



#82

4-Chlorotoluene

Concen: 47.842 ug/l

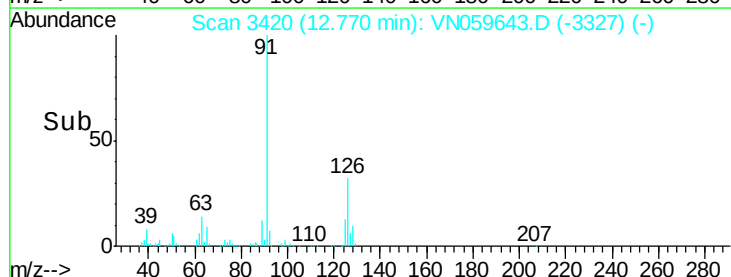
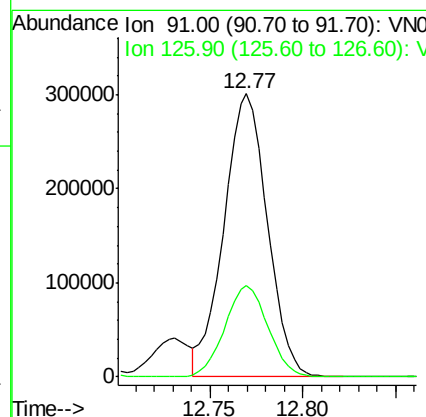
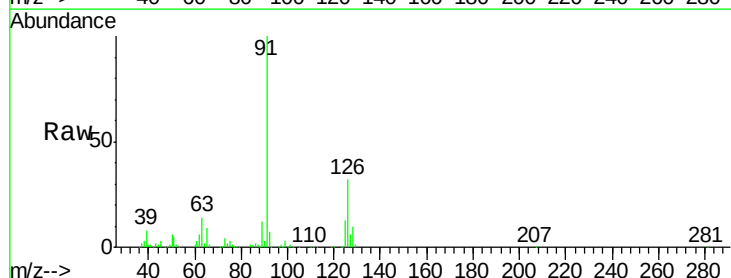
RT: 12.77 min Scan# 3420

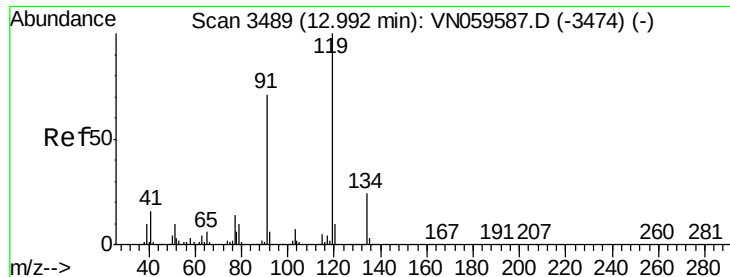
Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Tgt Ion:	91	Resp:	486636
Ion Ratio	Lower	Upper	
91	100		
126	32.2	16.3	48.8





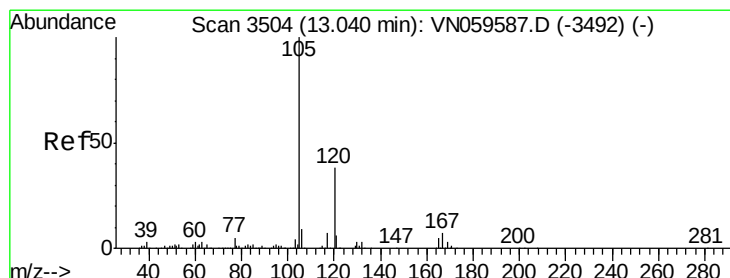
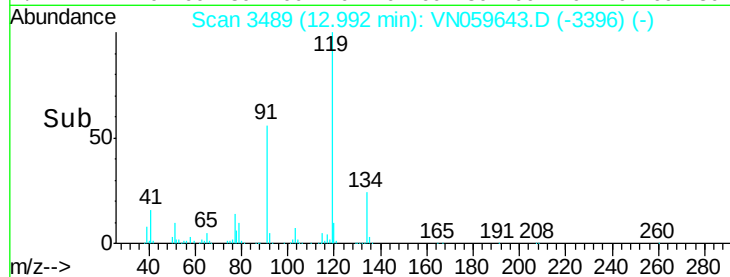
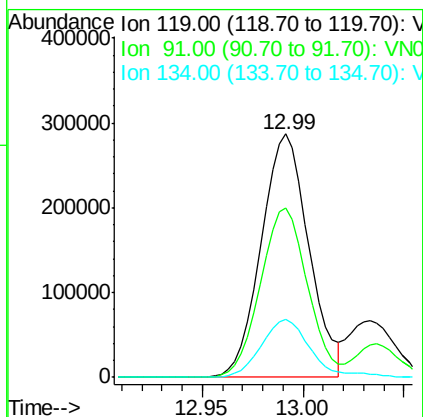
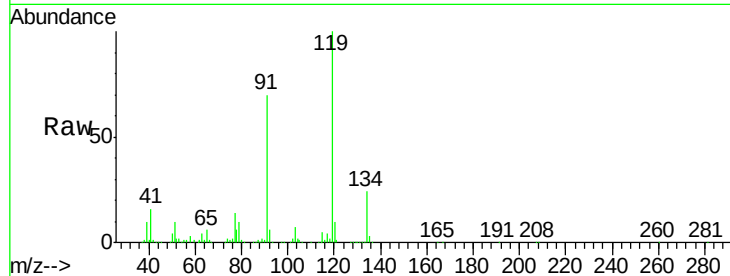
#83
 tert-Butylbenzene
 Concen: 47.415 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.8	104.4
134	24.8	12.3	36.9

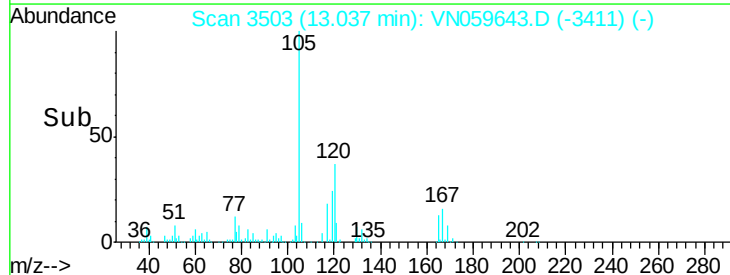
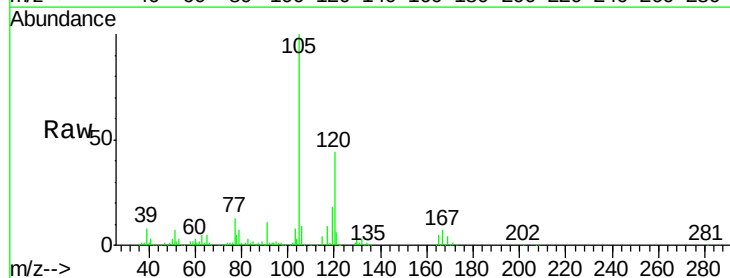
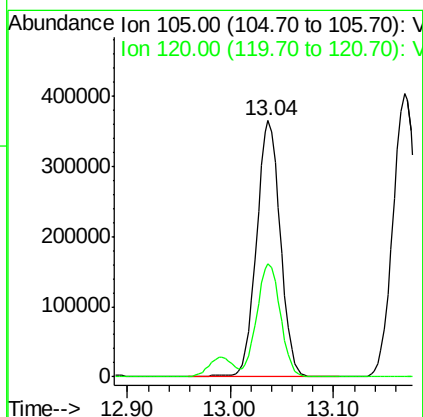
Manual Integrations
 APPROVED

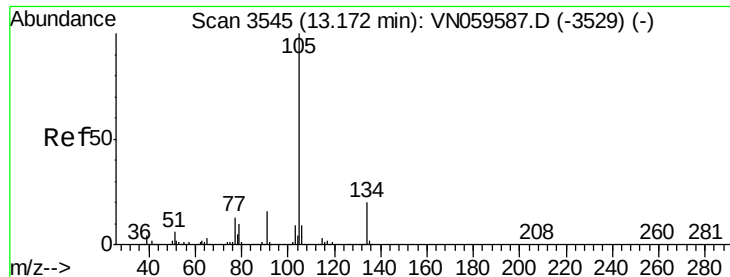
apatel
 12/18/2019 10:05:12 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.604 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.9





#85

sec-Butylbenzene

Concen: 48.626 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 644267

Ion Ratio Lower Upper

105 100

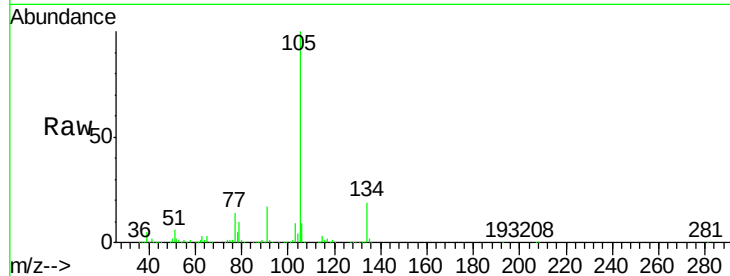
134 19.1 9.8 29.5

Manual Integrations

APPROVED

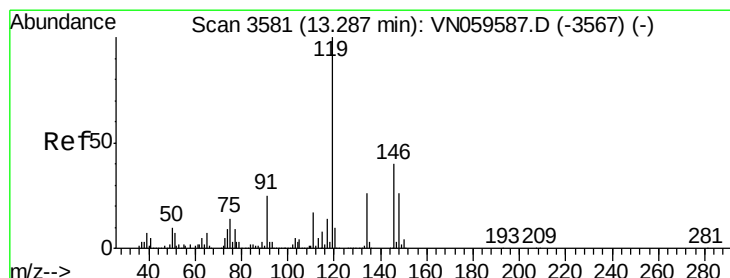
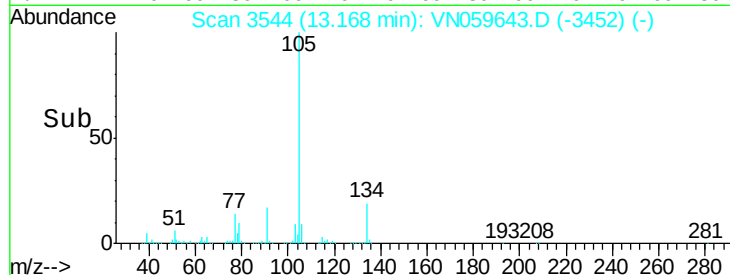
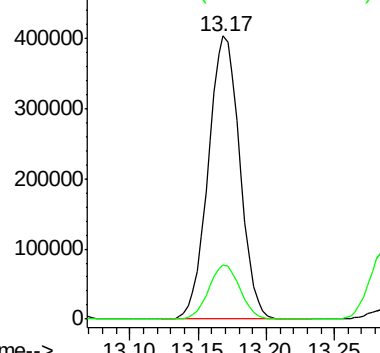
apatel

12/18/2019 10:05:12 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.672 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059643.D

Acq: 17 Dec 2019 22:06

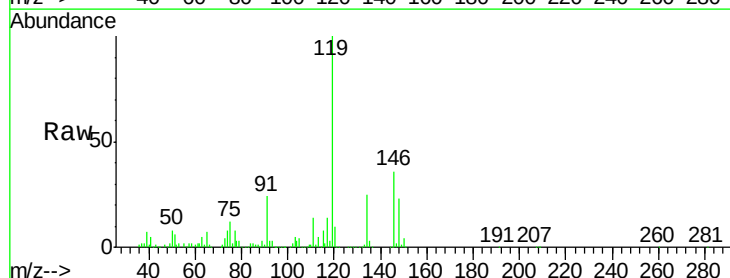
Tgt Ion:119 Resp: 584059

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

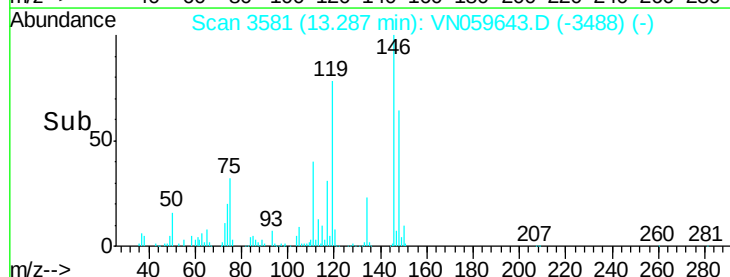
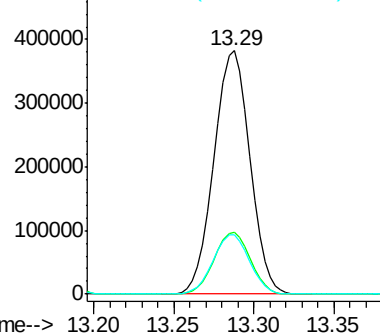
91 25.1 12.4 37.4

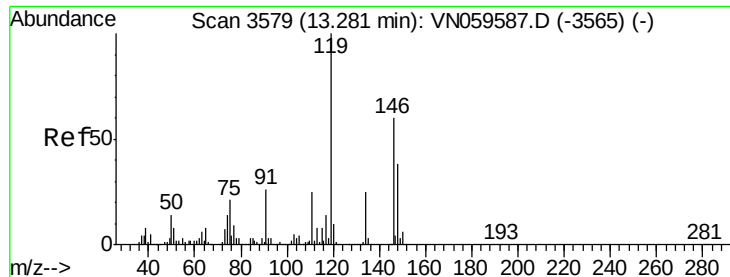


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





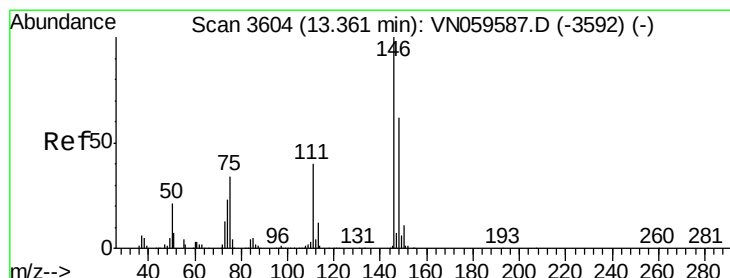
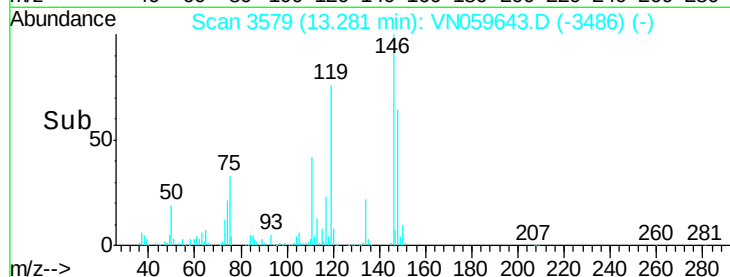
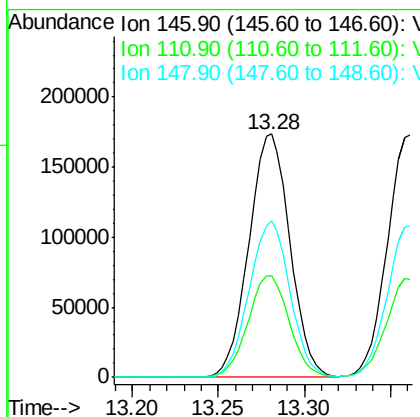
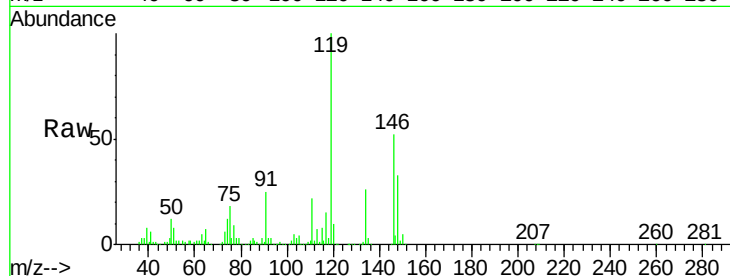
#87
 1,3-Dichlorobenzene
 Concen: 45.749 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.2
148	63.7	32.0	96.0

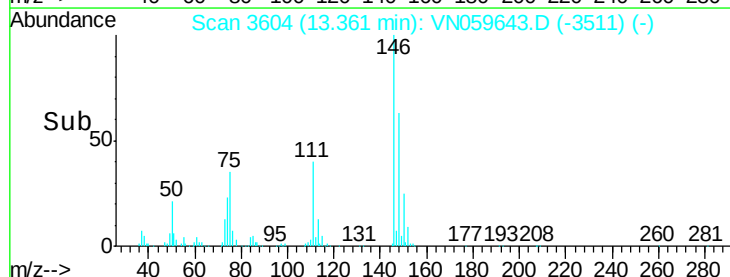
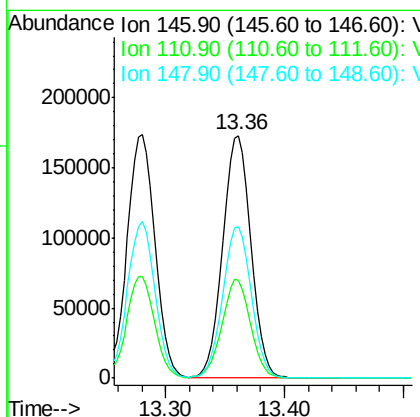
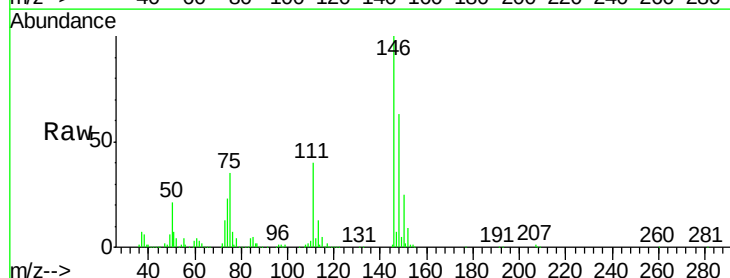
Manual Integrations
 APPROVED

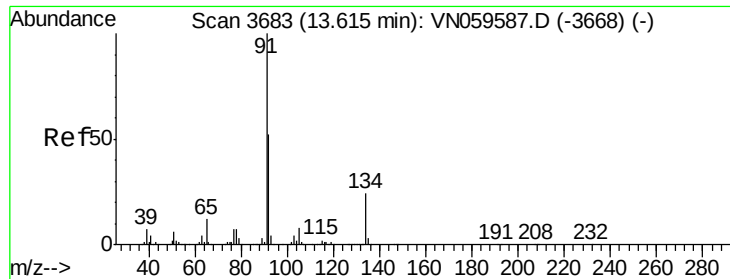
apatel
 12/18/2019 10:05:12 AM



#88
 1,4-Dichlorobenzene
 Concen: 44.972 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.2
148	63.3	31.8	95.4





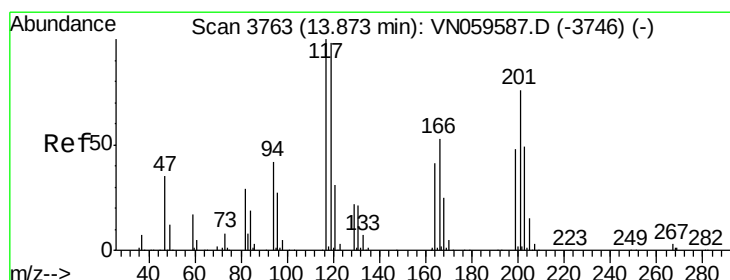
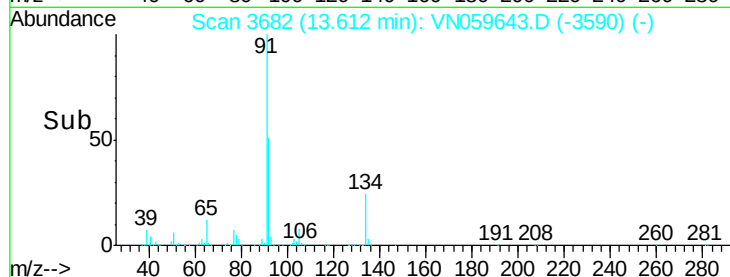
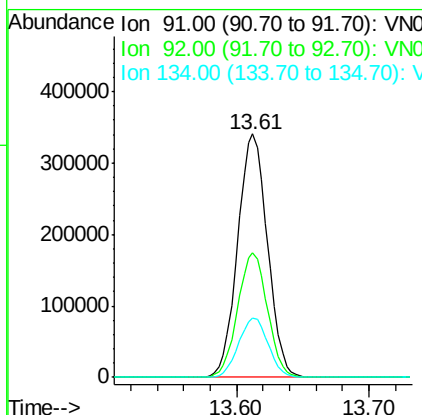
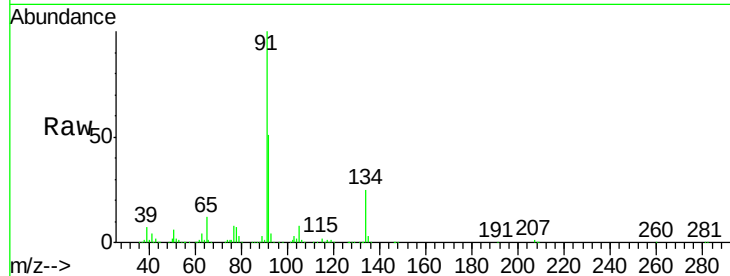
#89
n-Butylbenzene
Concen: 47.231 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.9	77.7
134	24.4	12.3	36.8

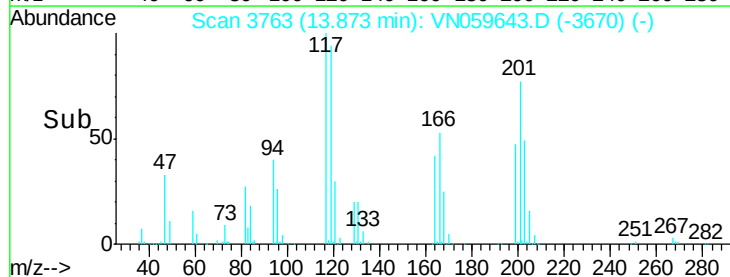
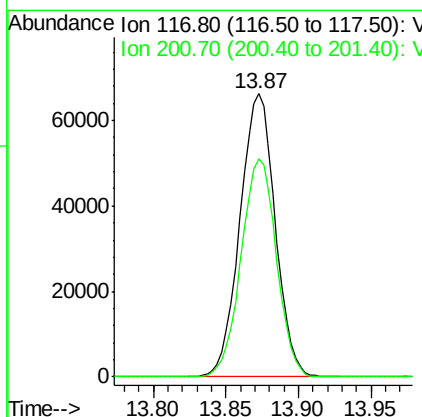
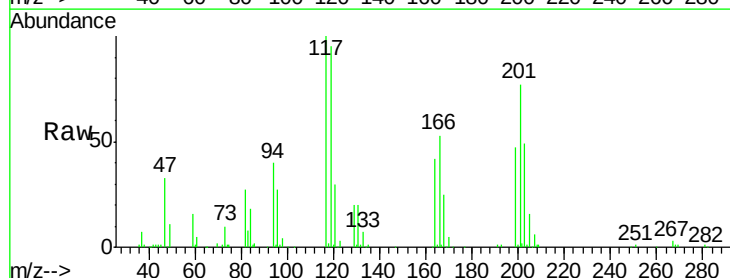
Manual Integrations
APPROVED

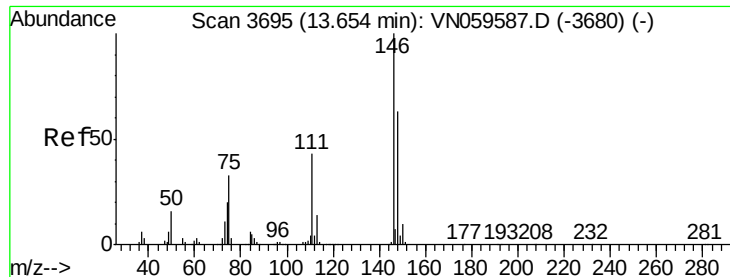
apatel
12/18/2019 10:05:12 AM



#90
Hexachloroethane
Concen: 49.323 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.2	37.8	113.4





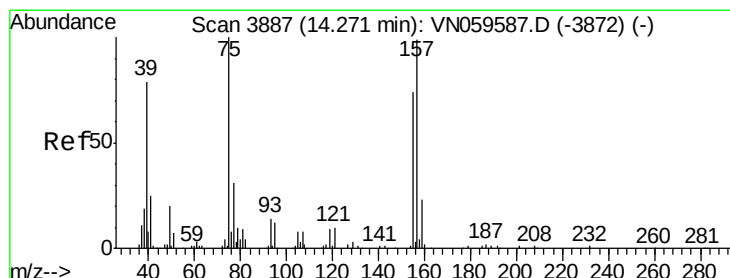
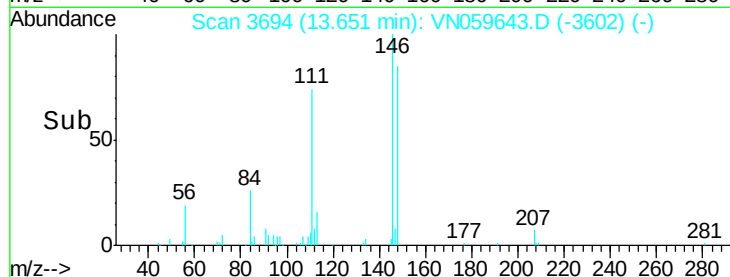
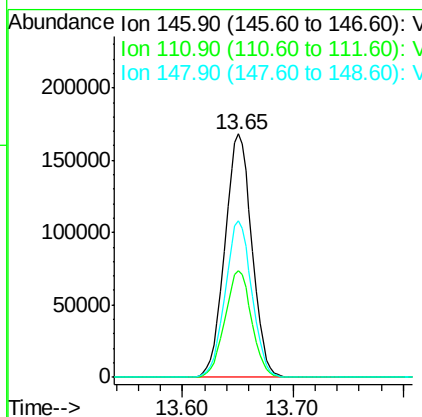
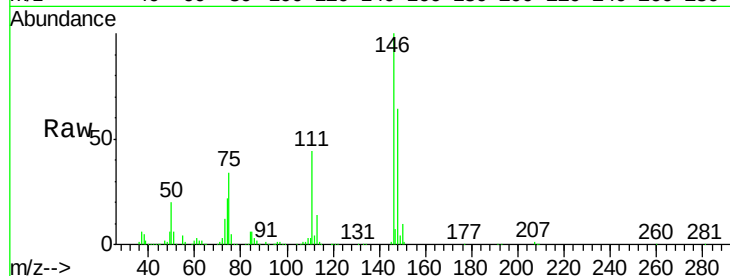
#91
 1,2-Dichlorobenzene
 Concen: 45.924 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	64.8
148	63.7	31.6	95.0

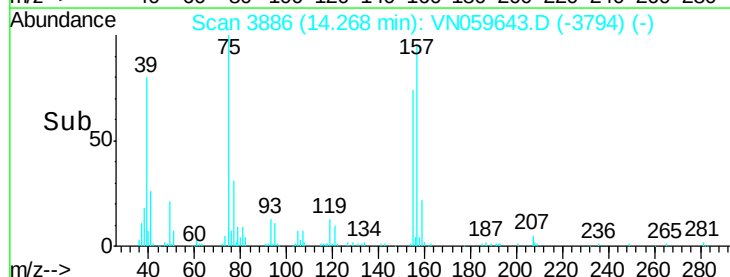
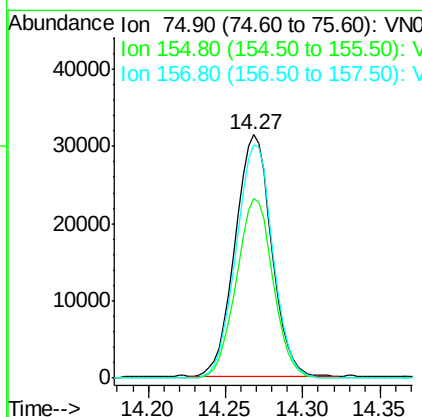
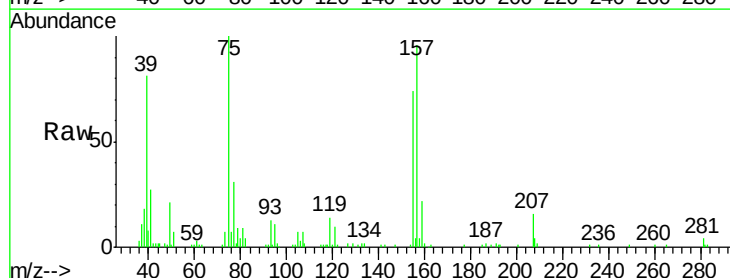
Manual Integrations
 APPROVED

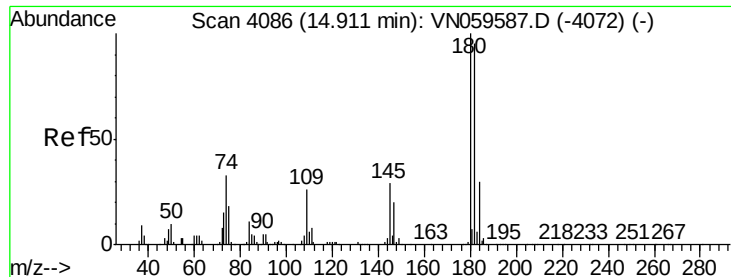
apatel
 12/18/2019 10:05:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.056 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	37.0	110.9
157	97.1	48.4	145.2





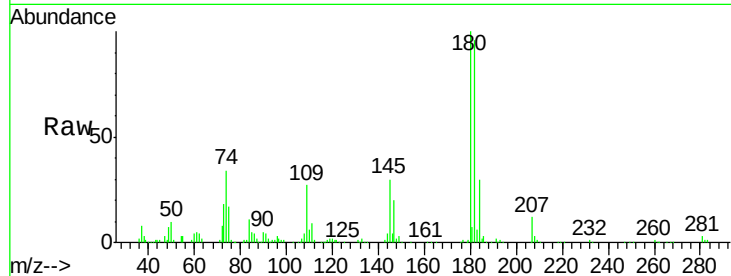
#93
 1,2,4-Trichlorobenzene
 Concen: 44.080 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

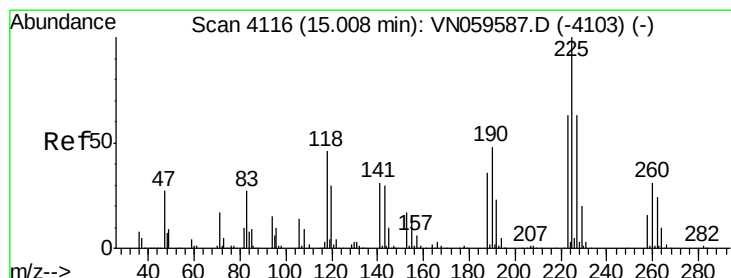
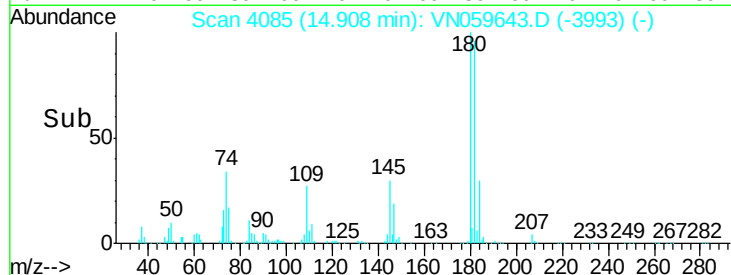
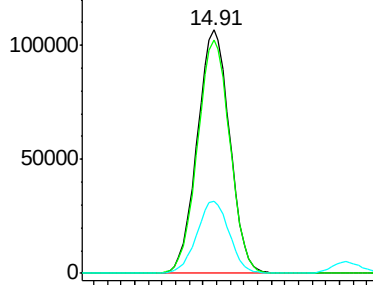
Tot Ion	Ratio	Resp	Lower	Upper
180	100	176431		
182	95.4	46.9	140.7	
145	29.4	15.0	45.1	

Manual Integrations
 APPROVED

apatel
 12/18/2019 10:05:12 AM

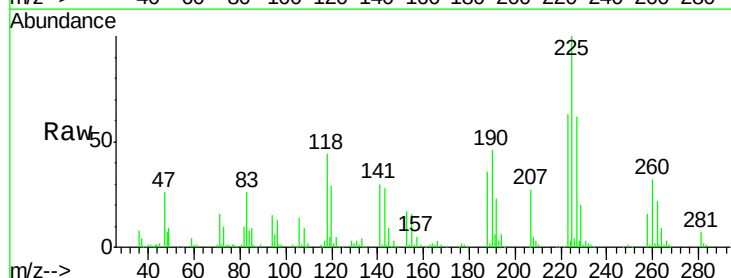


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

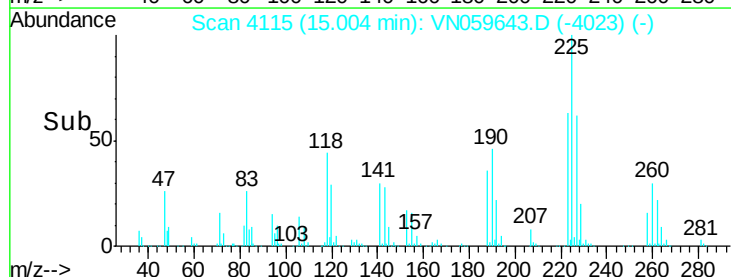
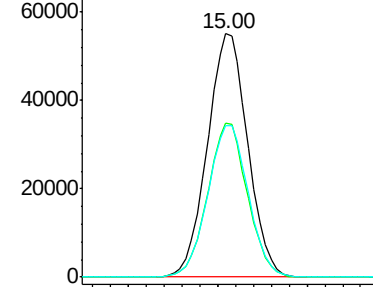


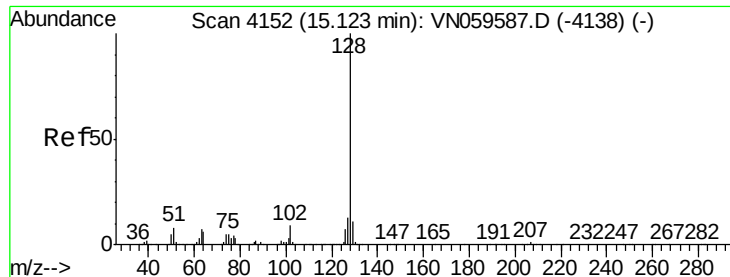
#94
 Hexachlorobutadiene
 Concen: 41.562 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN059643.D
 Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87120		
223	62.1	31.8	95.3	
227	62.4	32.1	96.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





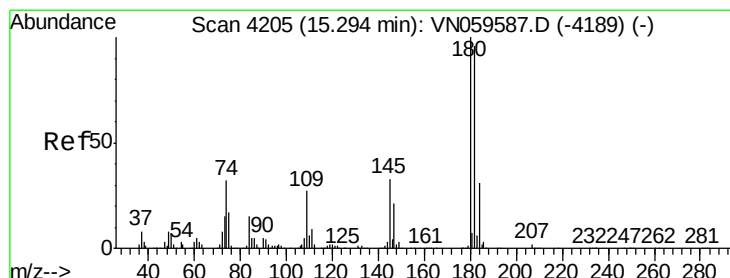
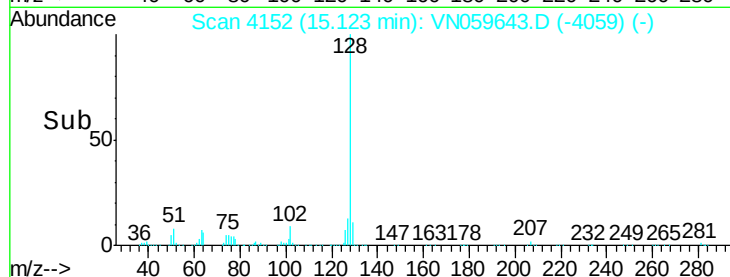
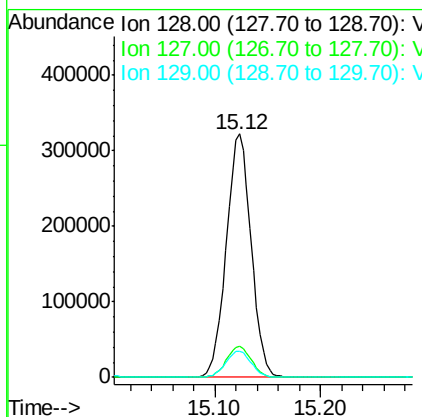
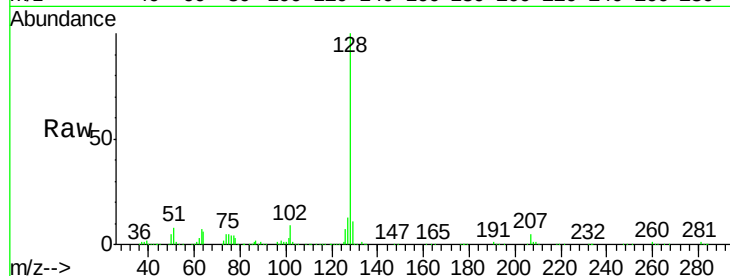
#95
Naphthalene
Concen: 43.718 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.6	12.8

Manual Integrations
APPROVED

apatel
12/18/2019 10:05:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 43.773 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059643.D
Acq: 17 Dec 2019 22:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.4	142.3
145	32.3	16.3	48.9

