

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\
 Data File : VN059476.D
 Acq On : 4 Dec 2019 9:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/5/2019 11:18:59 AM

Quant Time: Dec 05 00:58:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	386094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	601436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	537955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	255093	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	225842	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
35) Dibromofluoromethane	7.57	113	178527	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
50) Toluene-d8	10.08	98	707927	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
62) 4-Bromofluorobenzene	12.40	95	253062	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	178719	41.597	ug/l	99
3) Chloromethane	2.04	50	240691	41.798	ug/l	99
4) Vinyl Chloride	2.17	62	144916	41.938	ug/l	99
5) Bromomethane	2.55	94	87858	41.839	ug/l	97
6) Chloroethane	2.68	64	85698	42.007	ug/l	99
7) Trichlorofluoromethane	3.00	101	182447	43.718	ug/l	97
8) Diethyl Ether	3.38	74	117060	43.052	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	178261	43.513	ug/l	99
10) Methyl Iodide	3.92	142	229269	44.198	ug/l	99
11) Tert butyl alcohol	4.75	59	195637	216.458	ug/l	100
12) 1,1-Dichloroethene	3.71	96	173196	43.249	ug/l	99
13) Acrolein	3.58	56	160508	204.627	ug/l	99
14) Allyl chloride	4.29	41	337713	42.816	ug/l	99
15) Acrylonitrile	4.95	53	531757	217.474	ug/l	99
16) Acetone	3.79	43	669453	249.940	ug/l	100
17) Carbon Disulfide	4.02	76	556578	40.733	ug/l	99
18) Methyl Acetate	4.29	43	266705	41.307	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	605256	44.346	ug/l	100
20) Methylene Chloride	4.52	84	199608	44.041	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	192747	43.016	ug/l	99
22) Diisopropyl ether	5.92	45	660228	44.973	ug/l	98
23) Vinyl Acetate	5.86	43	2738909	232.503	ug/l	100
24) 1,1-Dichloroethane	5.82	63	369033	44.250	ug/l	99
25) 2-Butanone	6.81	43	816514	223.973	ug/l	99
26) 2,2-Dichloropropane	6.79	77	314434	43.592	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	217594	43.725	ug/l	99
28) Bromochloromethane	7.17	49	155868	48.029	ug/l	99
29) Tetrahydrofuran	7.18	42	482616	210.536	ug/l	100
30) Chloroform	7.35	83	352543	43.782	ug/l	99
31) Cyclohexane	7.63	56	342356	42.367	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	302640	43.243	ug/l	100
36) 1,1-Dichloropropene	7.77	75	278798	44.546	ug/l	99
37) Ethyl Acetate	6.90	43	294280	42.094	ug/l	99
38) Carbon Tetrachloride	7.75	117	266793	44.320	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\
 Data File : VN059476.D
 Acq On : 4 Dec 2019 9:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/5/2019 11:18:59 AM

Quant Time: Dec 05 00:58:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	337778	44.847	ug/l	99
40) Benzene	8.02	78	816004	44.523	ug/l	98
41) Methacrylonitrile	7.15	41	131299m	46.341	ug/l	
42) 1,2-Dichloroethane	8.10	62	275609	44.269	ug/l	100
43) Isopropyl Acetate	8.14	43	467518	44.963	ug/l	100
44) Trichloroethene	8.82	130	209006	43.638	ug/l	99
45) 1,2-Dichloropropane	9.10	63	217530	44.426	ug/l	99
46) Dibromomethane	9.19	93	136653	44.826	ug/l	99
47) Bromodichloromethane	9.39	83	275991	45.152	ug/l	99
48) Methyl methacrylate	9.18	41	207483	44.229	ug/l	99
49) 1,4-Dioxane	9.19	88	67913	956.742	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1414822	229.230	ug/l	99
52) Toluene	10.15	92	497027	44.840	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	322857	44.888	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	348012	45.649	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	194870	44.597	ug/l	99
56) Ethyl methacrylate	10.42	69	300694	42.723	ug/l	99
57) 1,3-Dichloropropane	10.70	76	338502	44.797	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	208105	96.607	ug/l	100
59) 2-Hexanone	10.74	43	1107600	238.454	ug/l	100
60) Dibromochloromethane	10.90	129	209868	44.982	ug/l	100
61) 1,2-Dibromoethane	11.00	107	202121	44.766	ug/l	100
64) Tetrachloroethene	10.62	164	194415	42.486	ug/l	99
65) Chlorobenzene	11.43	112	517271	43.984	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	194427	46.010	ug/l	99
67) Ethyl Benzene	11.51	91	950188	46.115	ug/l	99
68) m/p-Xylenes	11.62	106	707668	92.238	ug/l	98
69) o-Xylene	11.94	106	336163	46.023	ug/l	100
70) Styrene	11.96	104	549195	47.100	ug/l	99
71) Bromoform	12.12	173	150481	45.686	ug/l #	98
73) Isopropylbenzene	12.25	105	906184	44.296	ug/l	100
74) N-amyl acetate	12.07	43	369498	44.841	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	286877	43.717	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	270074m	42.580	ug/l	
77) Bromobenzene	12.53	156	216740	42.396	ug/l	99
78) n-propylbenzene	12.59	91	1072394	45.045	ug/l	100
79) 2-Chlorotoluene	12.67	91	626528	43.656	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	770820	45.087	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	107620	44.529	ug/l	99
82) 4-Chlorotoluene	12.77	91	643878	43.485	ug/l	100
83) tert-Butylbenzene	12.99	119	651104	43.867	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	768402	45.990	ug/l	99
85) sec-Butylbenzene	13.17	105	875532	44.507	ug/l	100
86) p-Isopropyltoluene	13.29	119	788841	44.749	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	391250	43.407	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	384880	42.340	ug/l	99
89) n-Butylbenzene	13.62	91	696917	44.126	ug/l	100
90) Hexachloroethane	13.88	117	147571	43.404	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	376627	43.587	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57691	42.611	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\
Data File : VN059476.D
Acq On : 4 Dec 2019 9:53
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
12/5/2019 11:18:59 AM

Quant Time: Dec 05 00:58:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 16:37:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	225199	42.691	ug/l	99
94) Hexachlorobutadiene	15.01	225	134942	45.088	ug/l	100
95) Naphthalene	15.13	128	576538	40.173	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	223983	42.572	ug/l	99

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

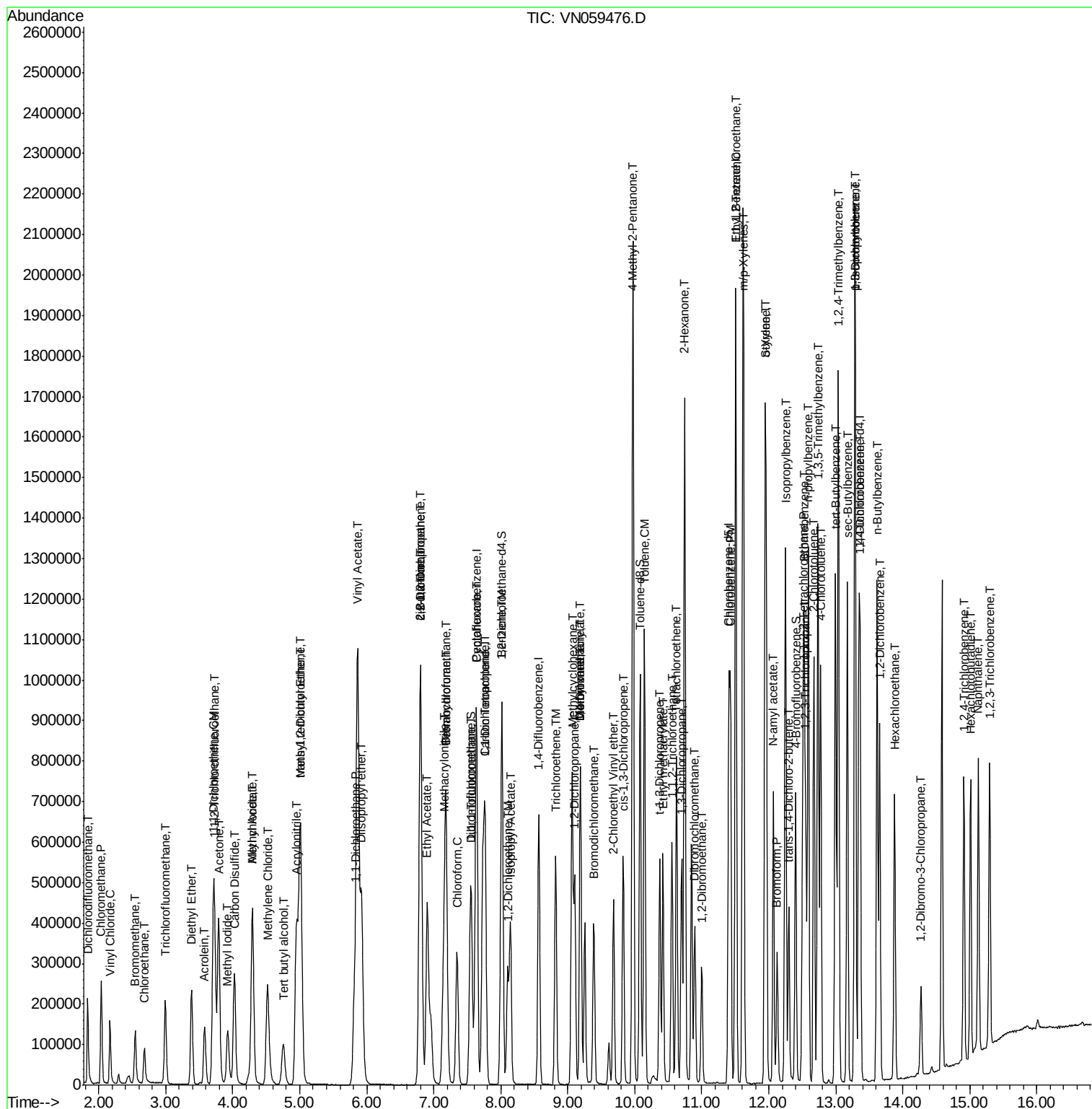
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120419\
Data File : VN059476.D
Acq On : 4 Dec 2019 9:53
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

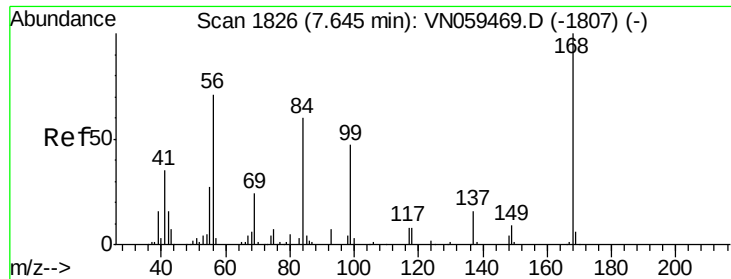
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
12/5/2019 11:18:59 AM

Quant Time: Dec 05 00:58:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 16:37:42 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 386094

Ion Ratio Lower Upper

168 100

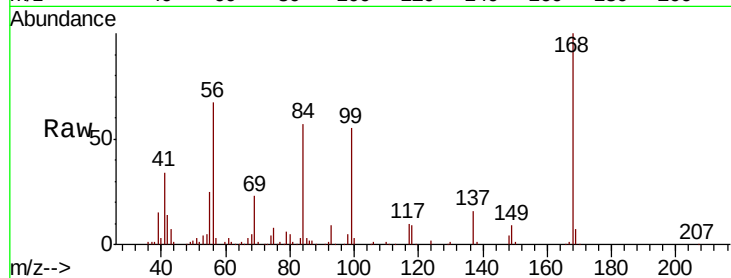
99 55.3 43.4 65.2

Manual Integrations

APPROVED

apatel

12/5/2019 11:18:59 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

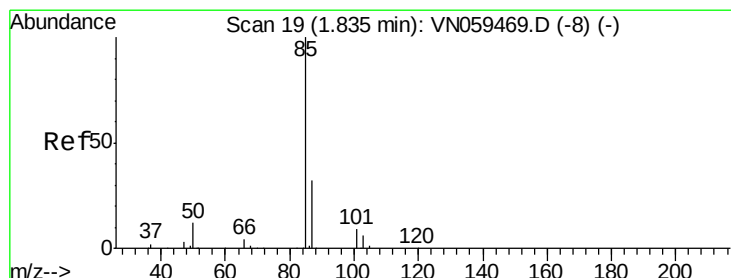
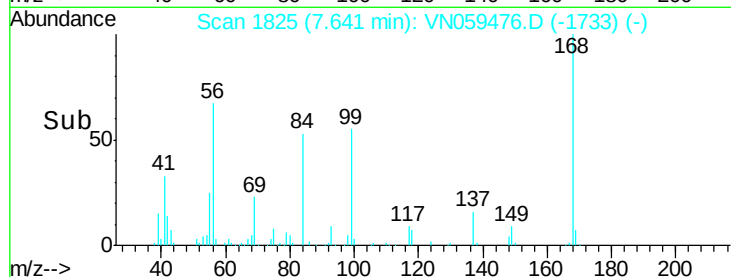
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 41.597 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059476.D

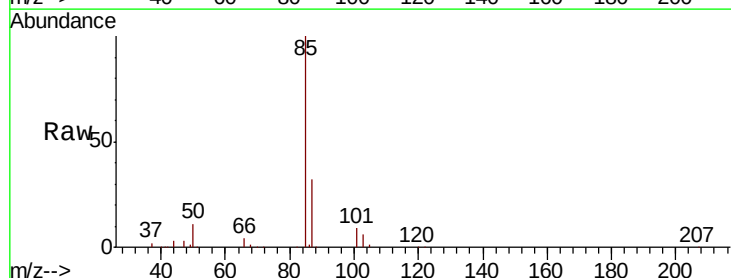
Acq: 4 Dec 2019 9:53

Tgt Ion: 85 Resp: 178719

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

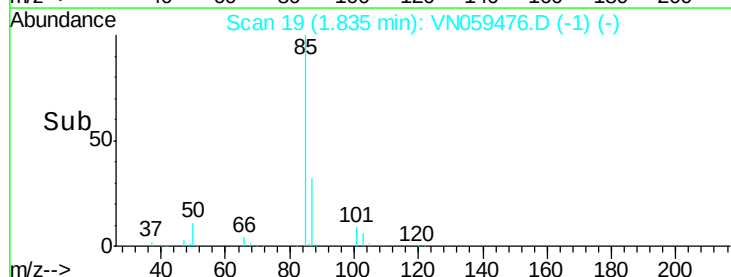
1.83

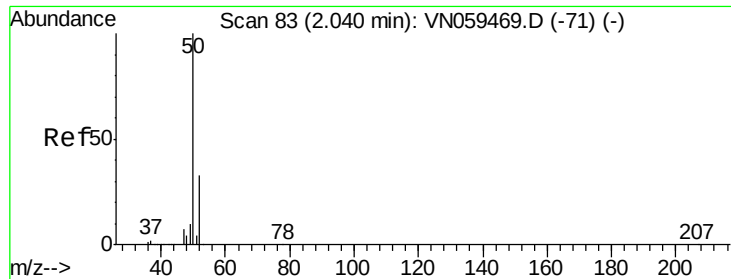
100000

50000

0

Time--> 1.80 1.90





#3

Chloromethane

Concen: 41.798 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 240691

Ion Ratio Lower Upper

50 100

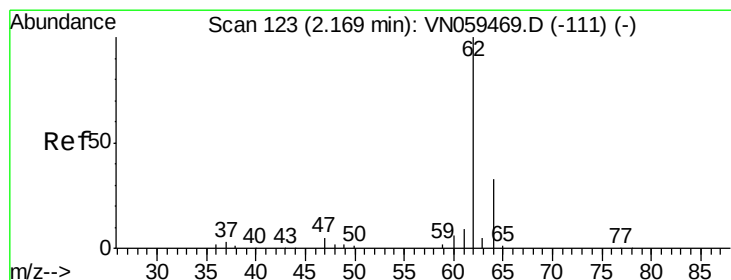
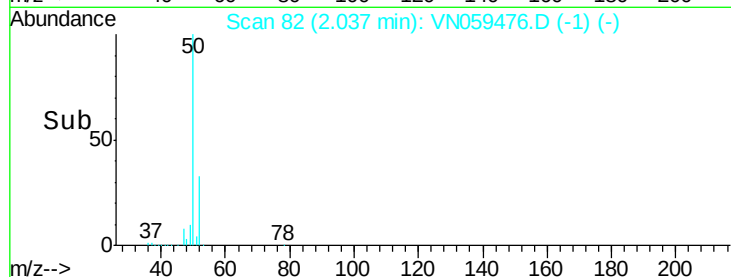
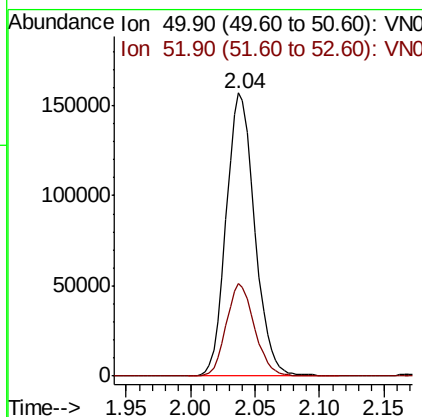
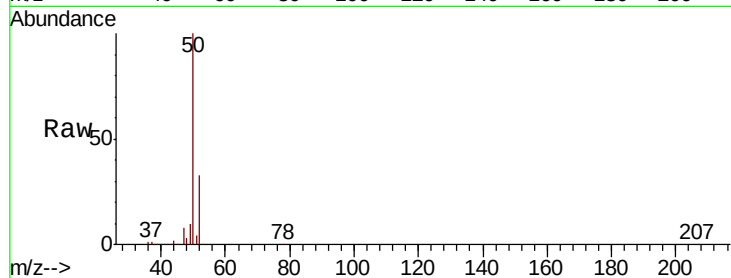
52 32.6 26.5 39.7

Manual Integrations

APPROVED

apatel

12/5/2019 11:18:59 AM



#4

Vinyl Chloride

Concen: 41.938 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059476.D

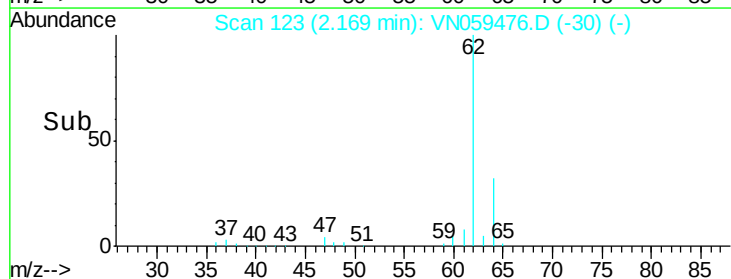
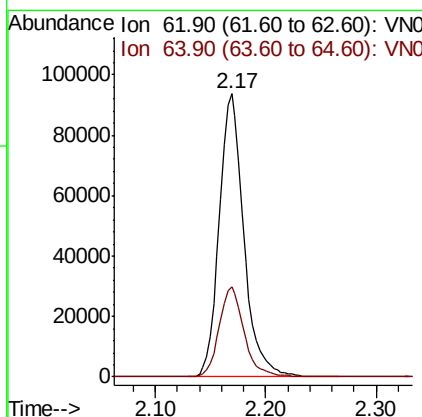
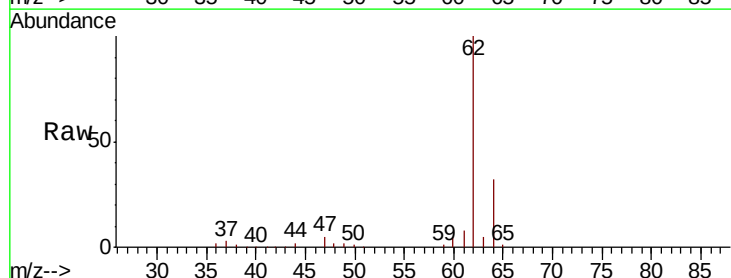
Acq: 4 Dec 2019 9:53

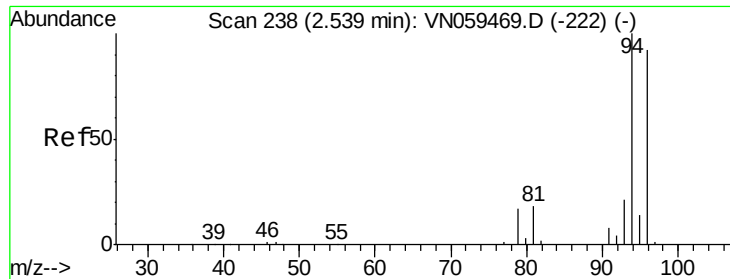
Tgt Ion: 62 Resp: 144916

Ion Ratio Lower Upper

62 100

64 31.8 26.0 39.0





#5

Bromomethane

Concen: 41.839 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 87858

Ion Ratio Lower Upper

94 100

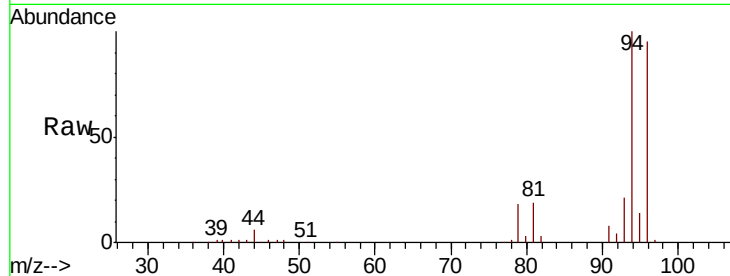
96 95.1 73.5 110.3

Manual Integrations

APPROVED

apatel

12/5/2019 11:18:59 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

40000

30000

20000

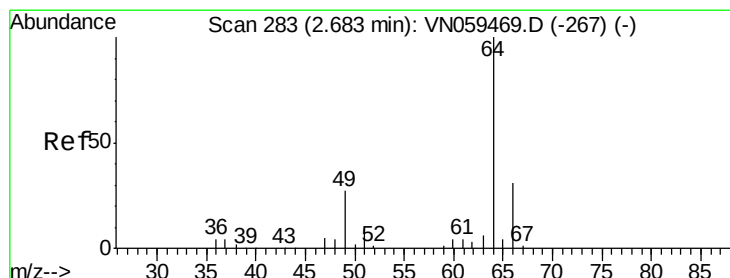
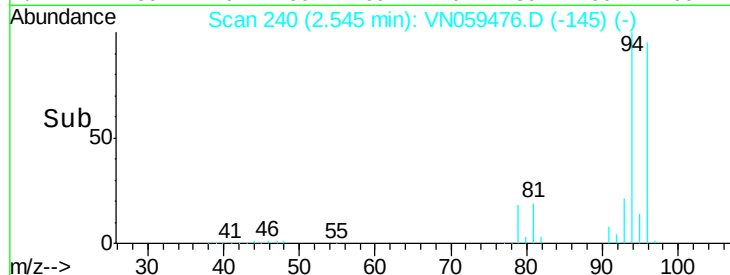
10000

0

Time-->

2.50

2.60



#6

Chloroethane

Concen: 42.007 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059476.D

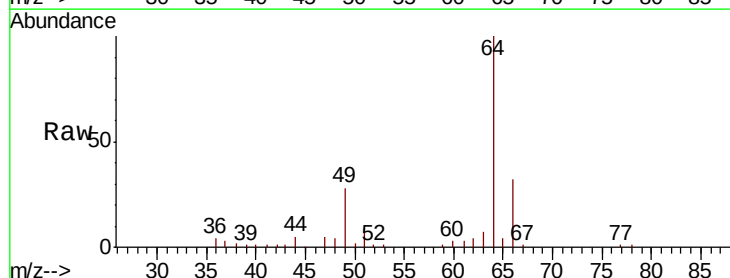
Acq: 4 Dec 2019 9:53

Tgt Ion: 64 Resp: 85698

Ion Ratio Lower Upper

64 100

66 32.0 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

40000

30000

20000

10000

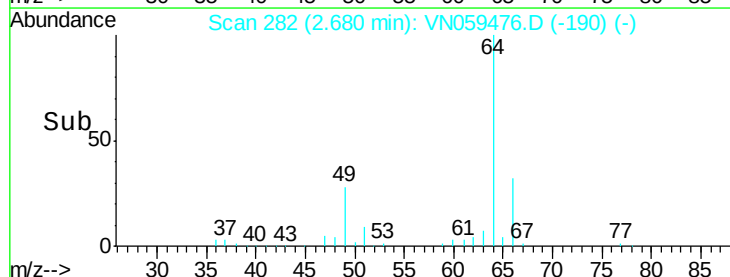
0

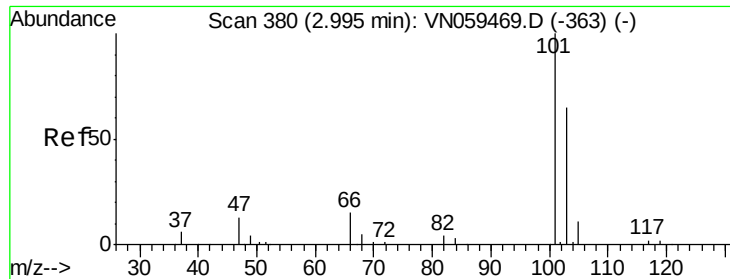
Time-->

2.60

2.70

2.80





#7

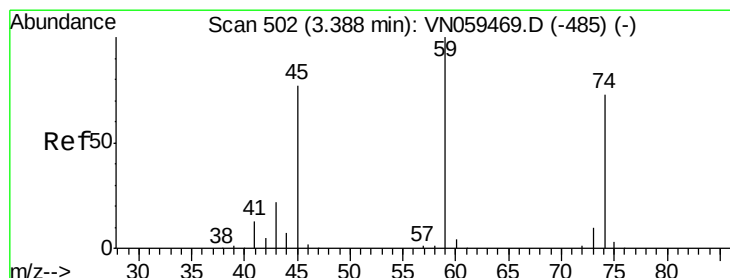
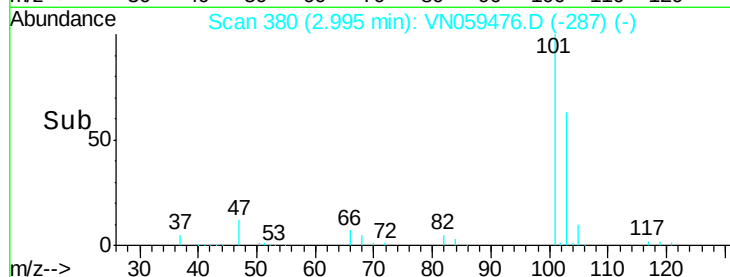
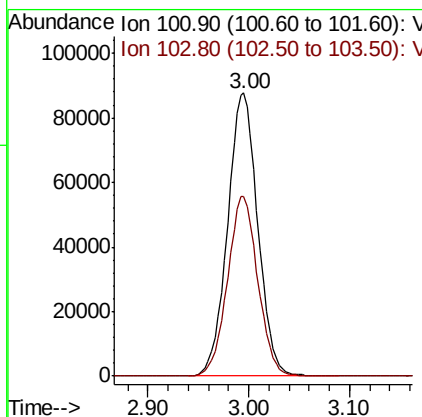
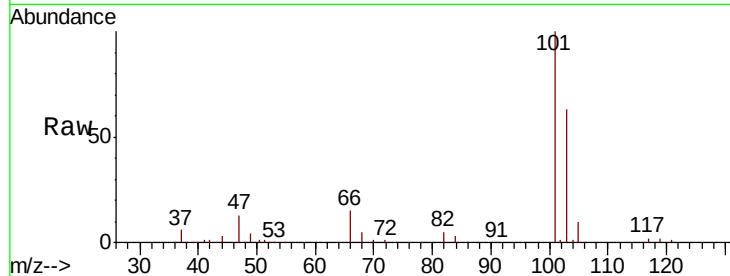
Trichlorofluoromethane
Concen: 43.718 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		182447		
103	63.4	52.4	78.6		

Manual Integrations
APPROVED

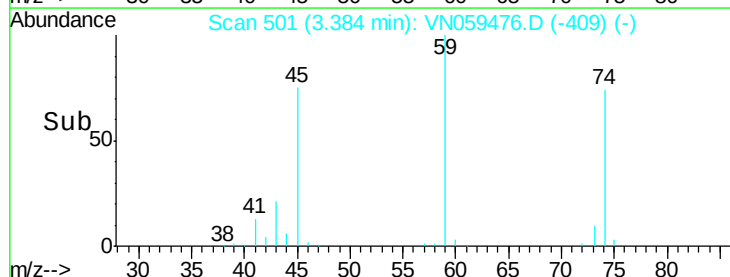
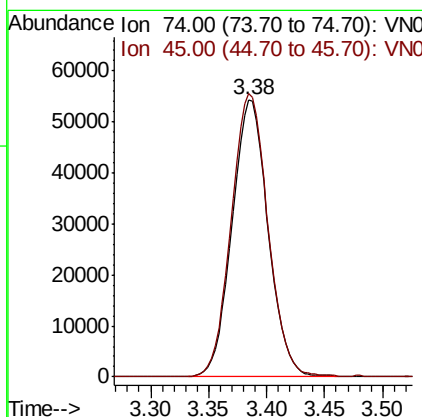
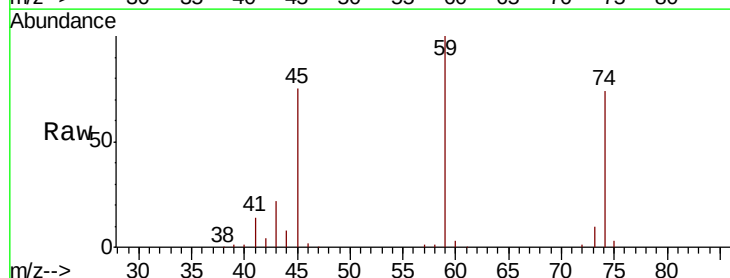
apatel
12/5/2019 11:18:59 AM

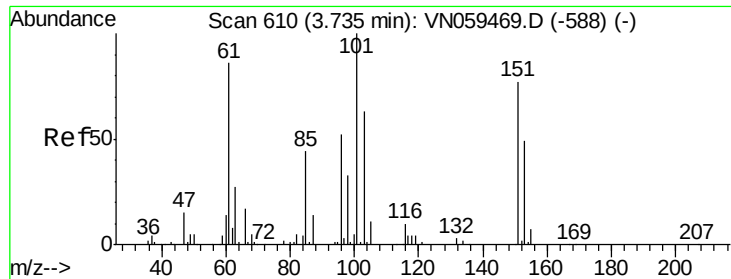


#8

Diethyl Ether
Concen: 43.052 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		117060		
45	104.2	52.3	157.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.513 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

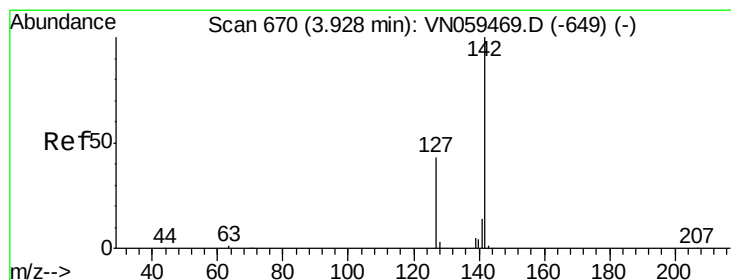
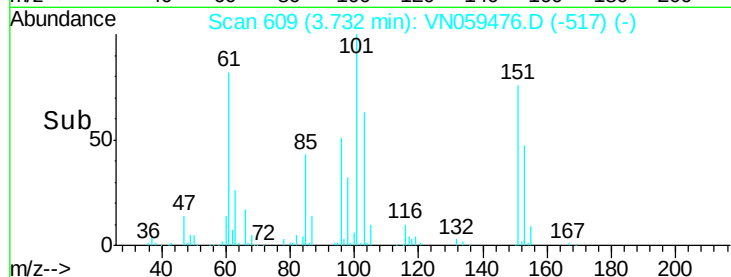
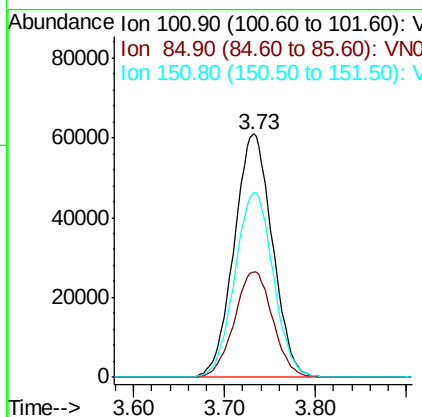
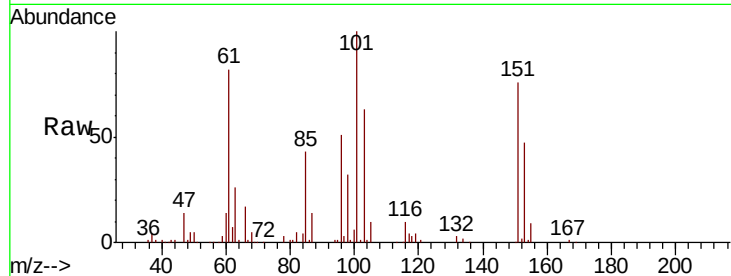
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	178261
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.2	52.8
151	76.4	62.4	93.6

Manual Integrations
APPROVED

apatel
12/5/2019 11:18:59 AM



#10

Methyl Iodide

Concen: 44.198 ug/l

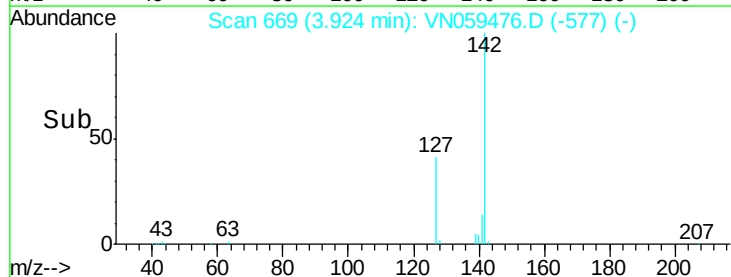
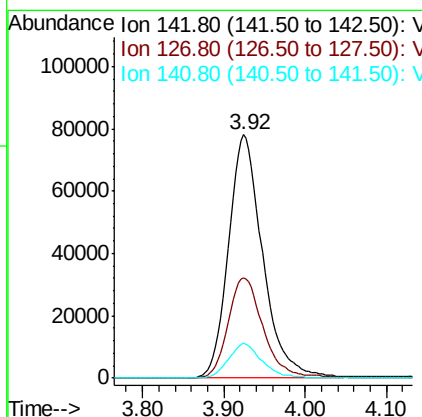
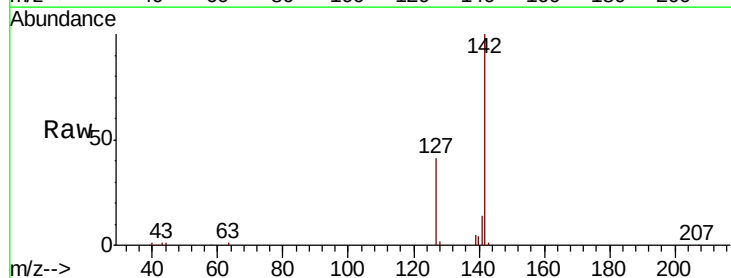
RT: 3.92 min Scan# 669

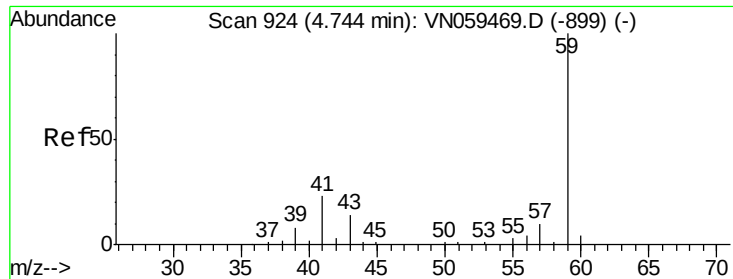
Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Tgt Ion:	142	Resp:	229269
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.6	52.0
141	14.0	11.4	17.0





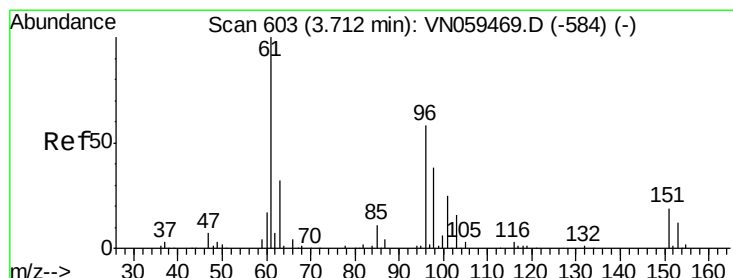
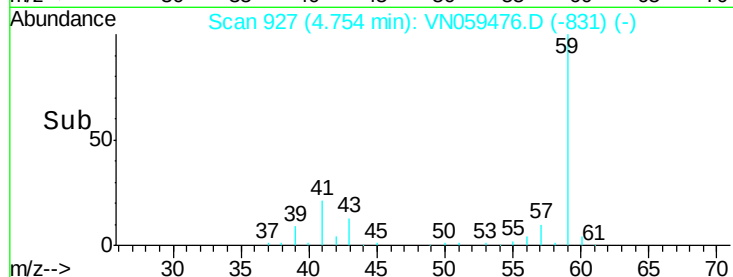
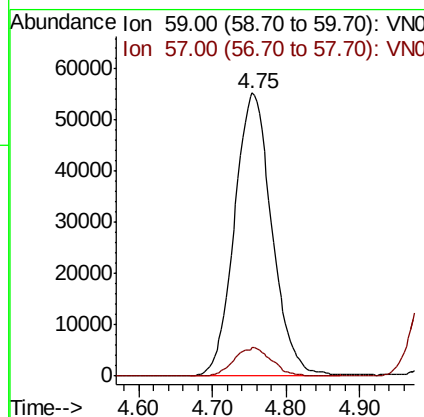
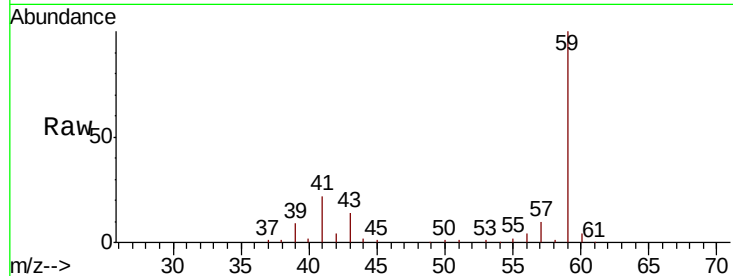
#11
Tert butyl alcohol
Concen: 216.458 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.01 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.1	Resp	195637	Lower	Upper
Ion	59	57	Ratio	100	10.1	Resp	195637	Lower	Upper
								8.1	12.1

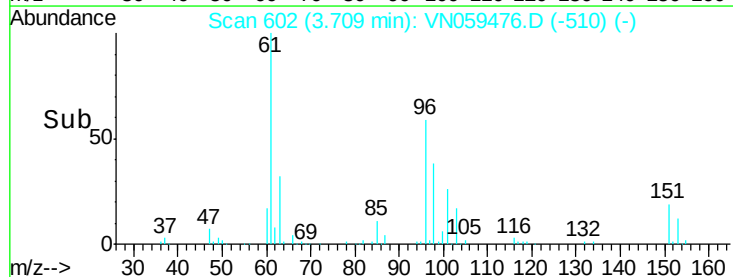
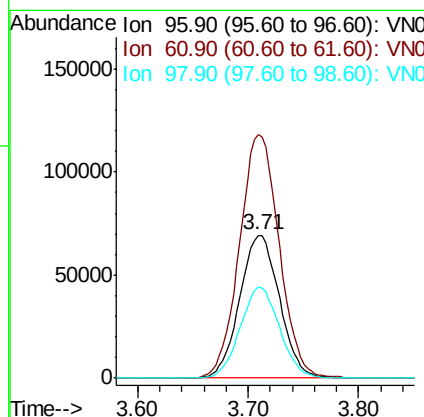
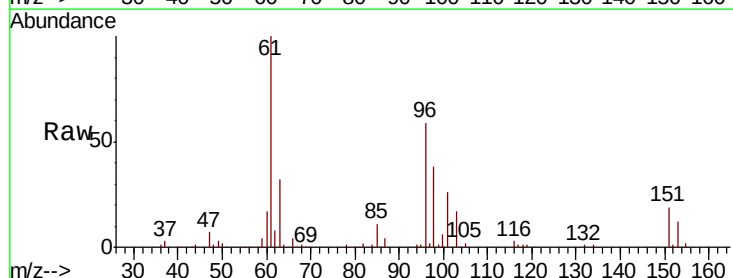
Manual Integrations
APPROVED

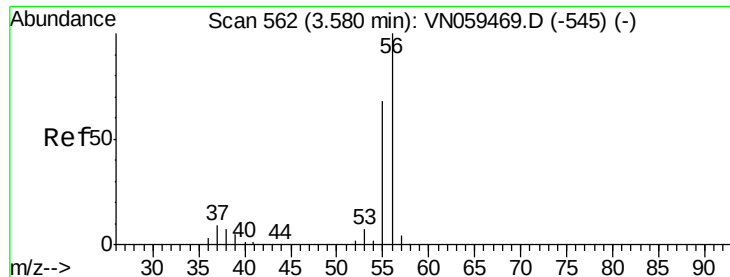
apatel
12/5/2019 11:18:59 AM



#12
1,1-Dichloroethene
Concen: 43.249 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	96	61	98	Ratio	100	170.7	64.2	Resp	173196	Lower	Upper
Ion	96	61	98	Ratio	100	170.7	64.2	Resp	173196	Lower	Upper
										137.1	205.7
										52.4	78.6





#13

Acrolein

Concen: 204.627 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 160508

Ion Ratio Lower Upper

56 100

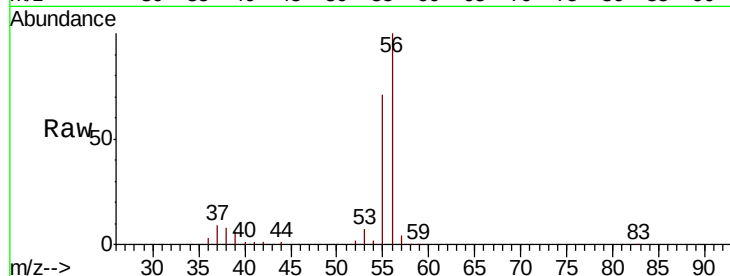
55 71.3 56.5 84.7

Manual Integrations

APPROVED

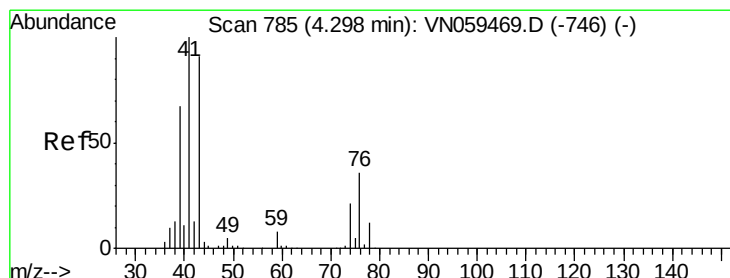
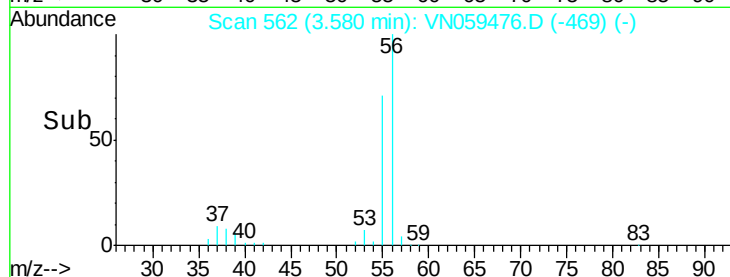
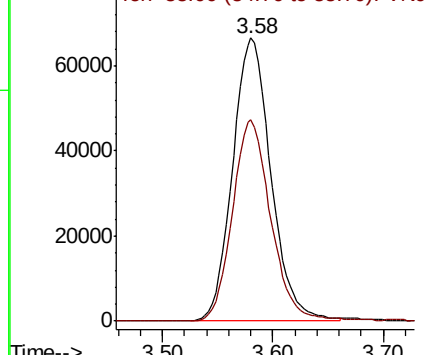
apatel

12/5/2019 11:18:59 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 42.816 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

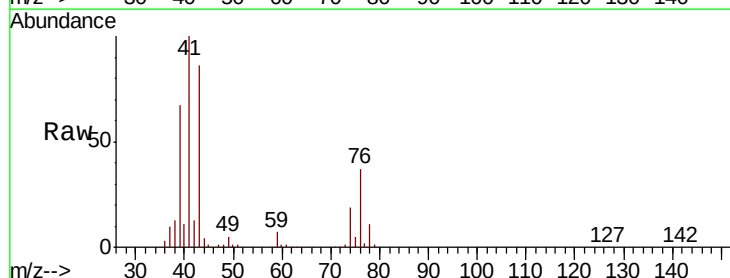
Tgt Ion: 41 Resp: 337713

Ion Ratio Lower Upper

41 100

39 61.9 49.3 73.9

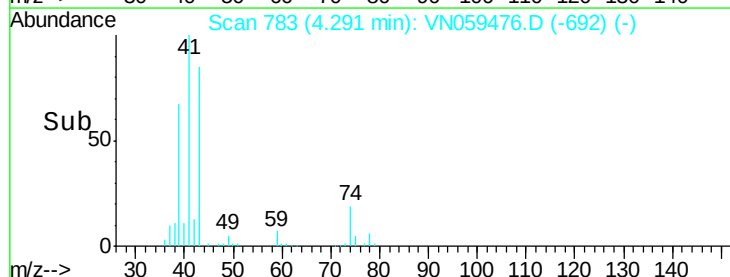
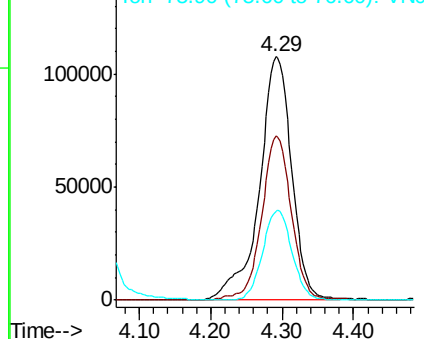
76 33.0 25.6 38.4

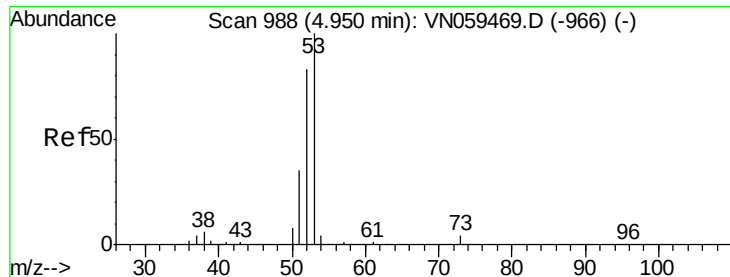


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 217.474 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

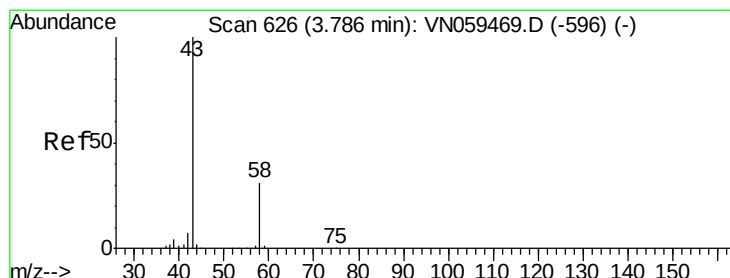
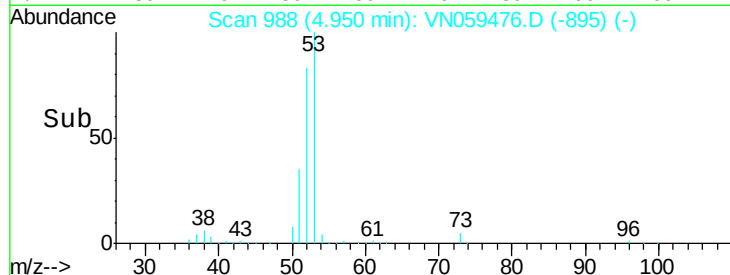
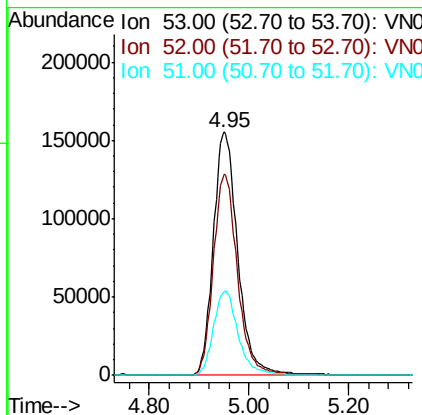
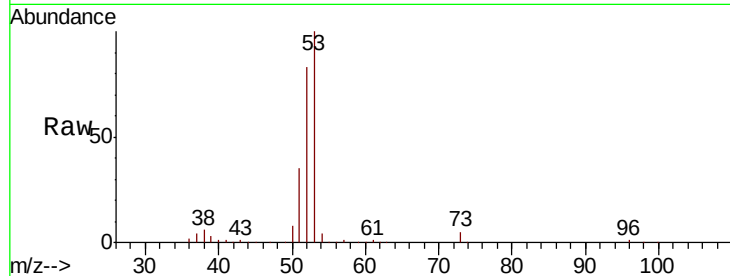
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	531757
Ion Ratio		Lower	Upper
53	100		
52	81.1	65.5	98.3
51	34.9	28.5	42.7

Manual Integrations
APPROVED

apatel
12/5/2019 11:18:59 AM



#16

Acetone

Concen: 249.940 ug/l

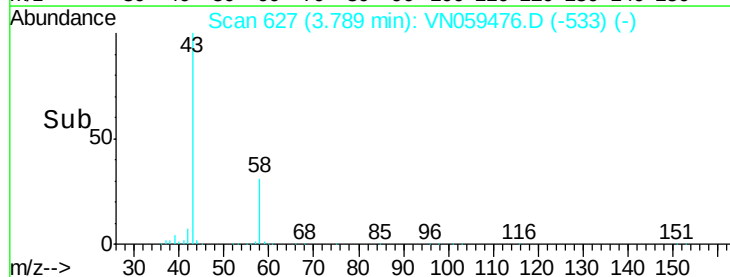
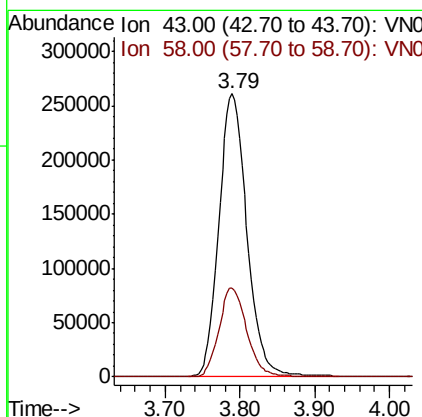
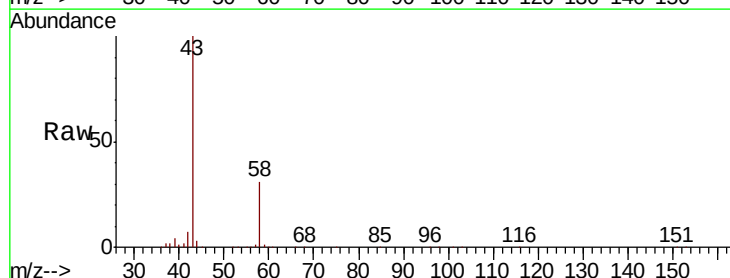
RT: 3.79 min Scan# 627

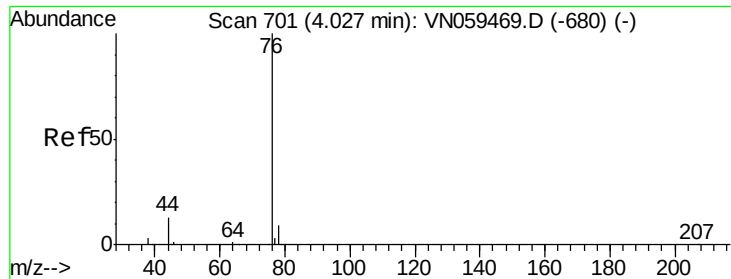
Delta R.T. 0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Tgt Ion:	43	Resp:	669453
Ion Ratio		Lower	Upper
43	100		
58	31.3	24.9	37.3





#17

Carbon Disulfide

Concen: 40.733 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 556578

Ion Ratio Lower Upper

76 100

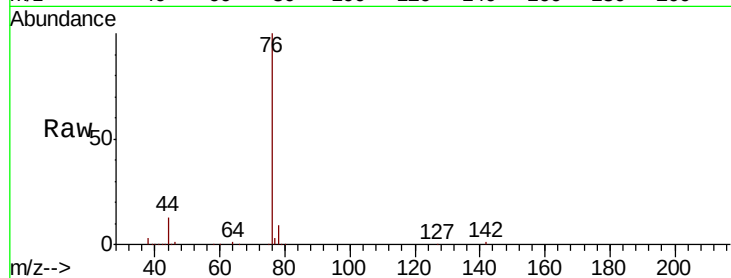
78 9.1 7.0 10.6

Manual Integrations

APPROVED

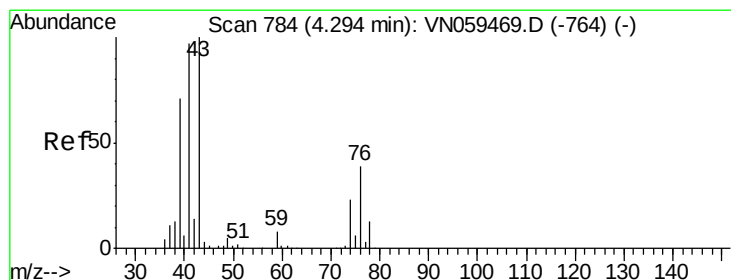
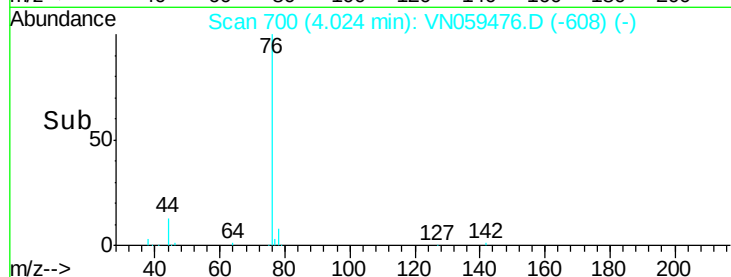
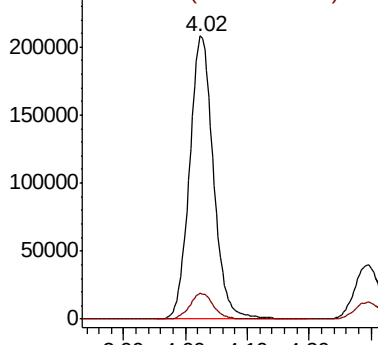
apatel

12/5/2019 11:18:59 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 41.307 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059476.D

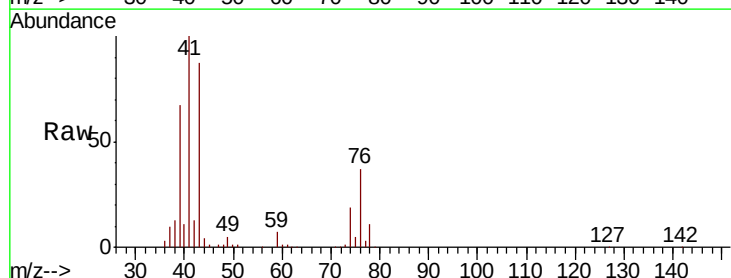
Acq: 4 Dec 2019 9:53

Tgt Ion: 43 Resp: 266705

Ion Ratio Lower Upper

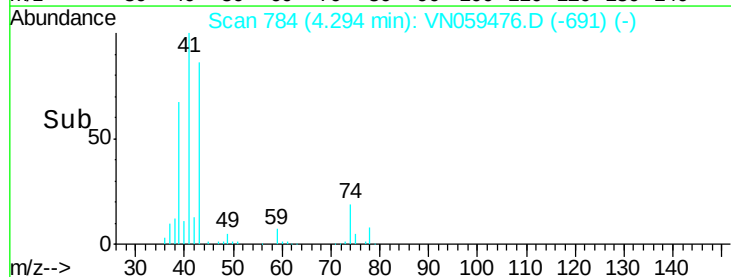
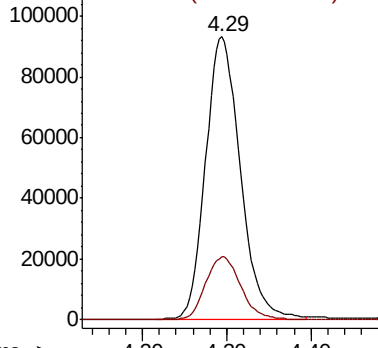
43 100

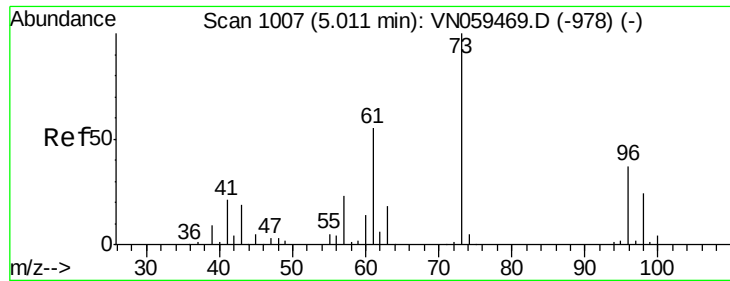
74 22.8 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





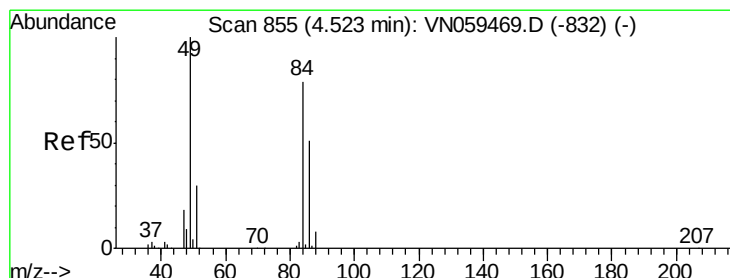
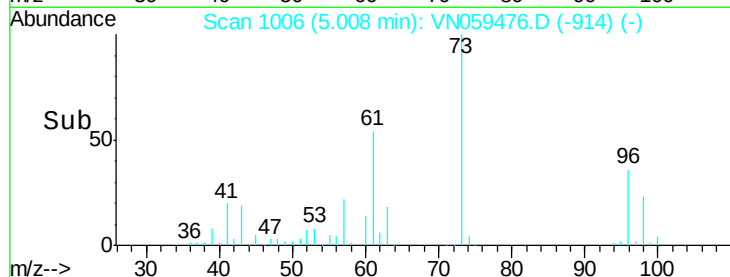
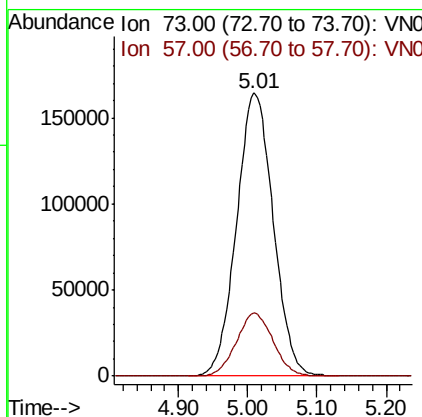
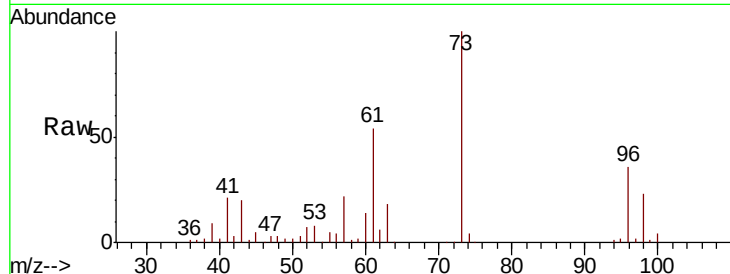
#19
Methyl tert-butyl Ether
Concen: 44.346 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 605256
Ion Ratio Lower Upper
73 100
57 22.4 18.0 27.0

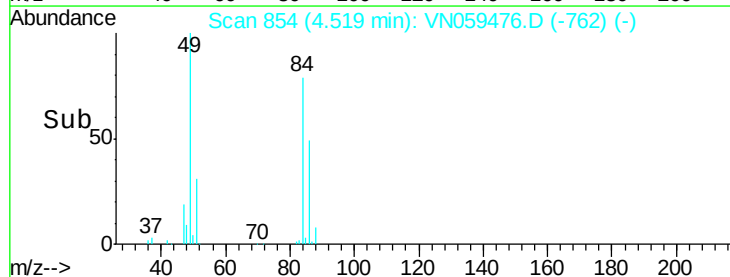
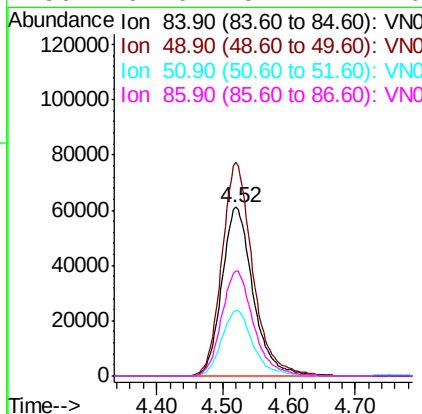
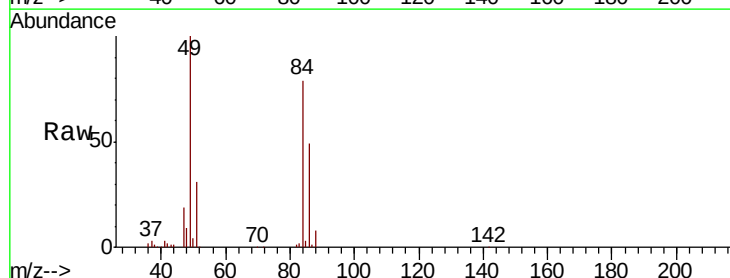
Manual Integrations
APPROVED

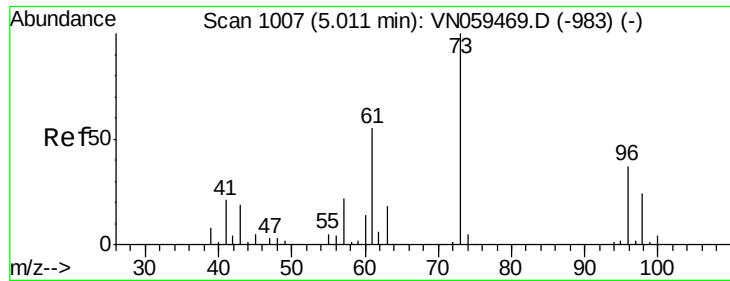
apatel
12/5/2019 11:18:59 AM



#20
Methylene Chloride
Concen: 44.041 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion: 84 Resp: 199608
Ion Ratio Lower Upper
84 100
49 126.4 101.1 151.7
51 38.7 30.7 46.1
86 62.6 51.4 77.0





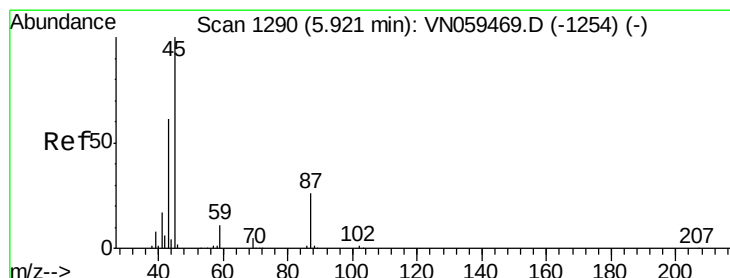
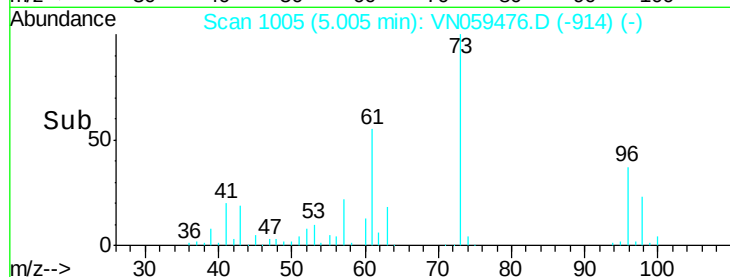
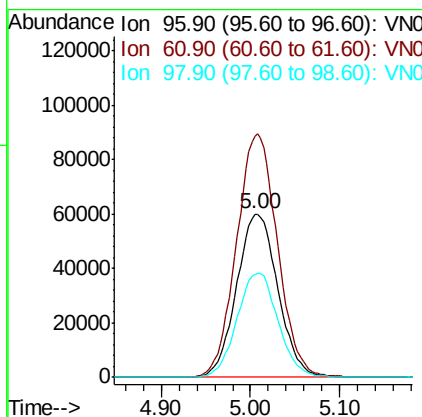
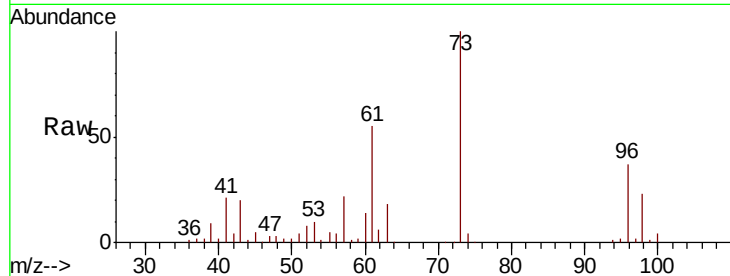
#21
trans-1,2-Dichloroethene
Concen: 43.016 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.9	118.9	178.3
98	63.1	51.6	77.4

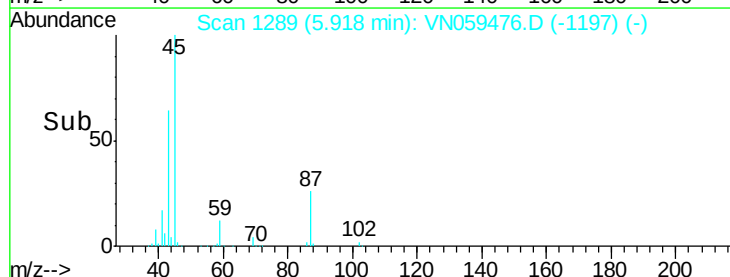
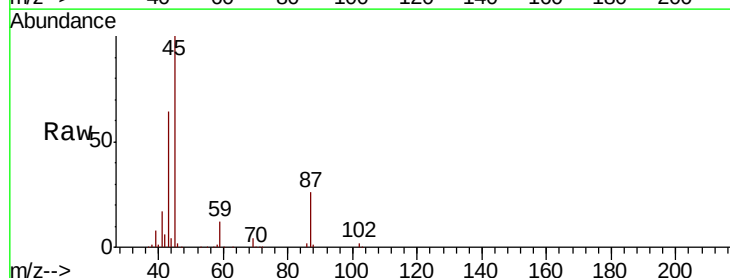
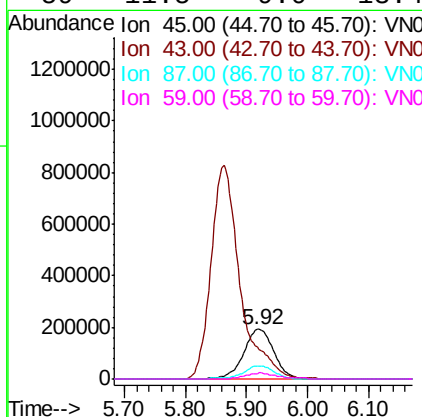
Manual Integrations
APPROVED

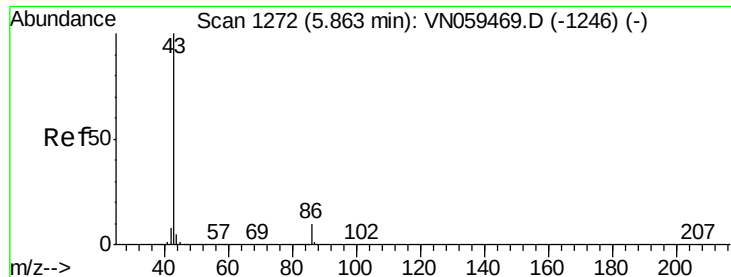
apatel
12/5/2019 11:18:59 AM



#22
Diisopropyl ether
Concen: 44.973 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.1	49.1	73.7
87	26.5	21.6	32.4
59	11.5	9.0	13.4





#23

Vinyl Acetate

Concen: 232.503 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2738909

Ion Ratio Lower Upper

43 100

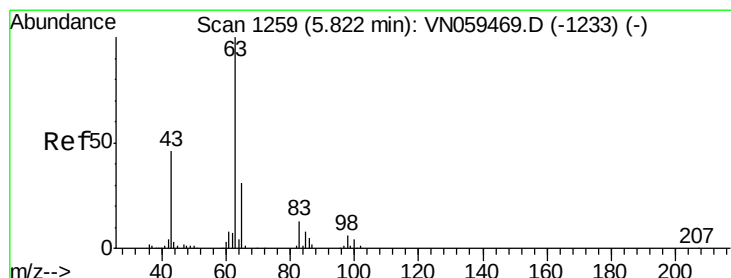
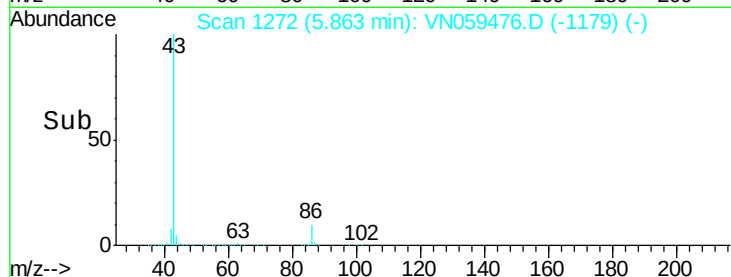
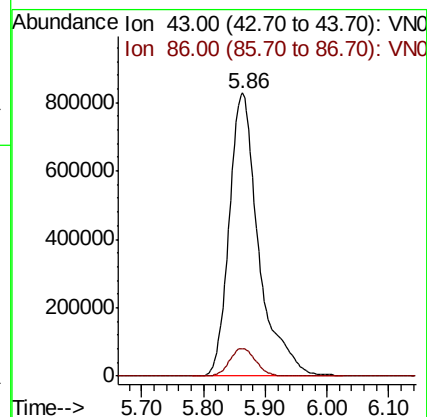
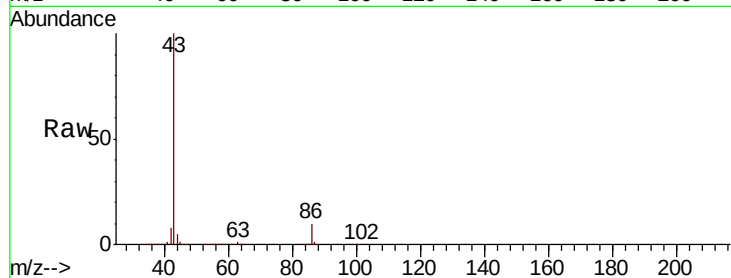
86 9.9 8.0 12.0

Manual Integrations

APPROVED

apatel

12/5/2019 11:18:59 AM



#24

1,1-Dichloroethane

Concen: 44.250 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

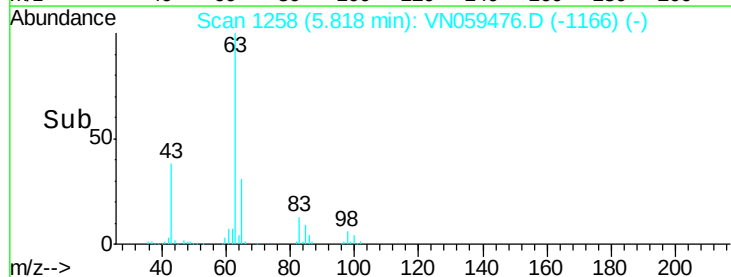
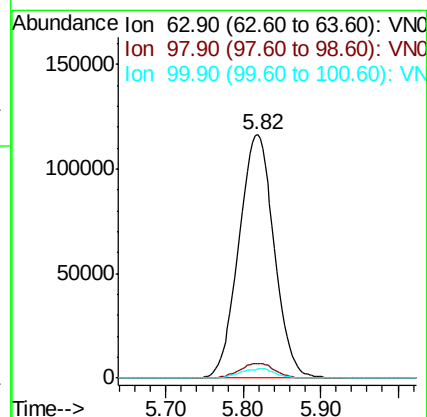
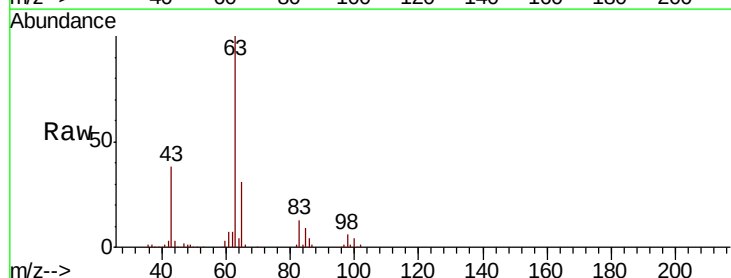
Tgt Ion: 63 Resp: 369033

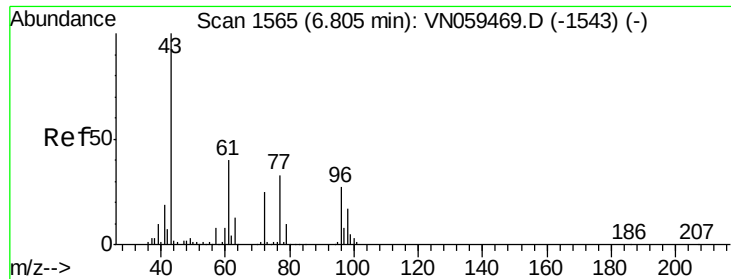
Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 223.973 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 816514

Ion Ratio Lower Upper

43 100

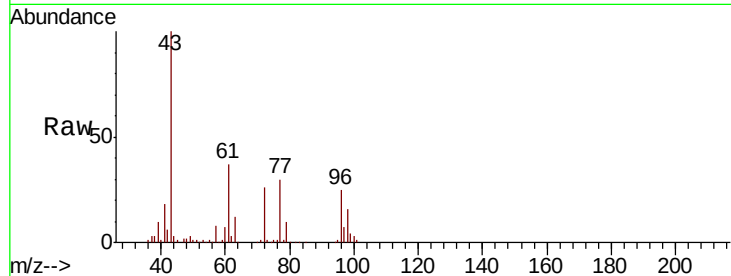
72 25.9 20.2 30.2

Manual Integrations

APPROVED

apatel

12/5/2019 11:18:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

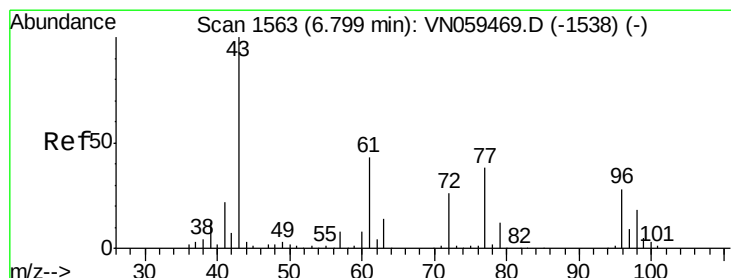
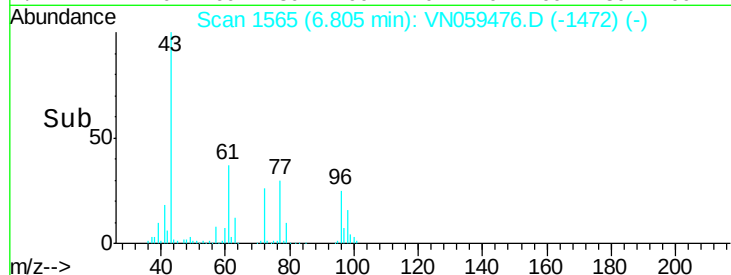
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 43.592 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059476.D

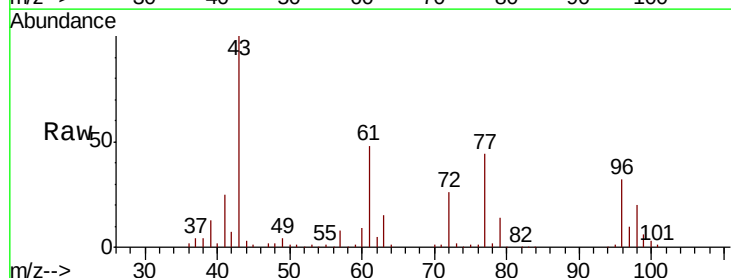
Acq: 4 Dec 2019 9:53

Tgt Ion: 77 Resp: 314434

Ion Ratio Lower Upper

77 100

97 22.6 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.79

100000

80000

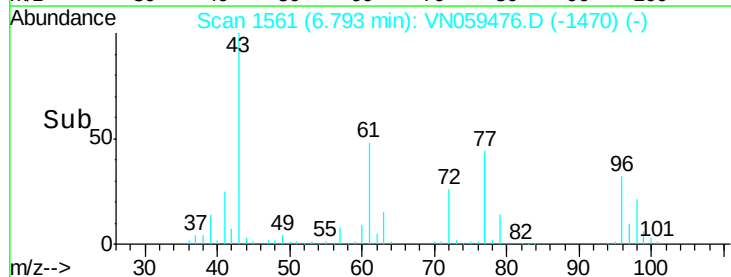
60000

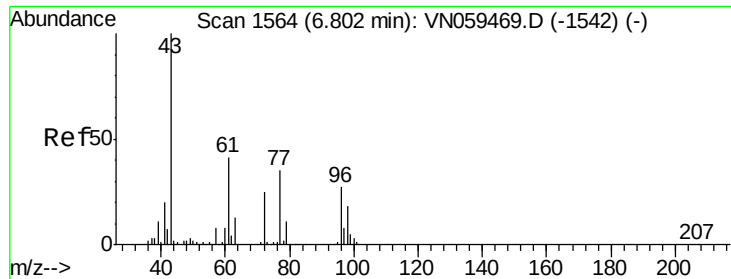
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 43.725 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

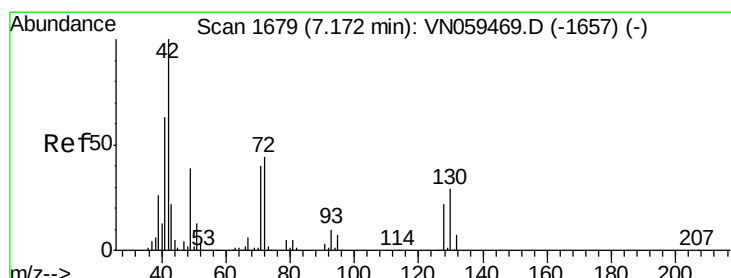
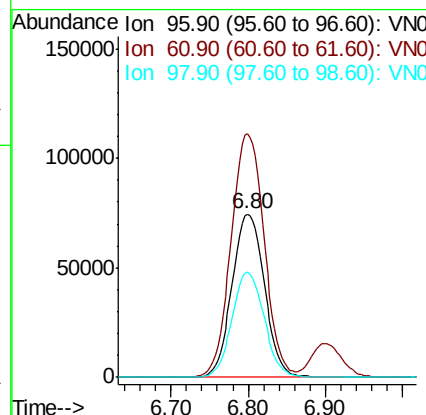
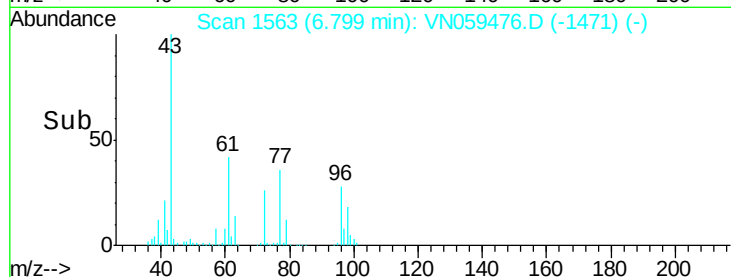
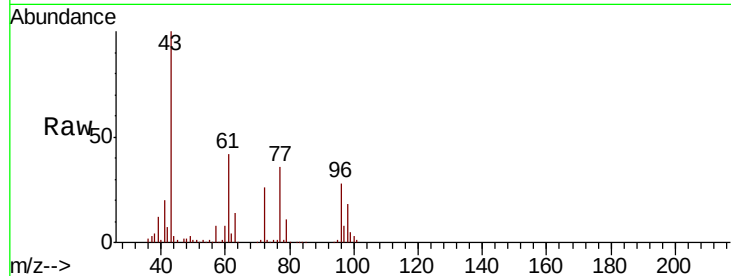
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	217594
Ion Ratio	Lower	Upper	
96	100		
61	151.8	0.0	307.4
98	63.6	0.0	129.2

Manual Integrations
APPROVED

apatel
12/5/2019 11:18:59 AM



#28

Bromochloromethane

Concen: 48.029 ug/l

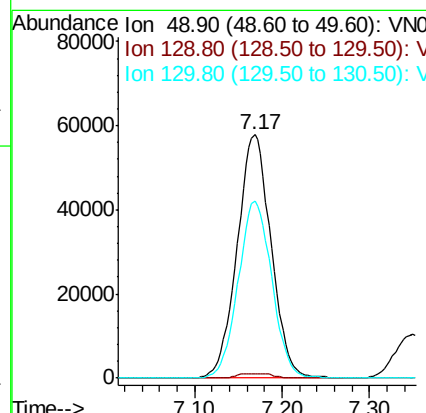
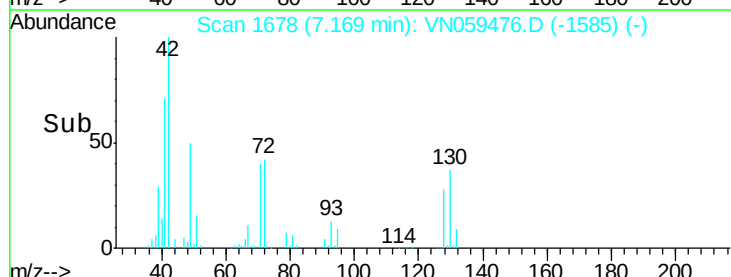
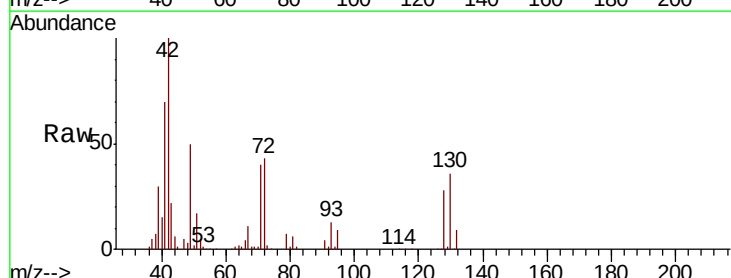
RT: 7.17 min Scan# 1678

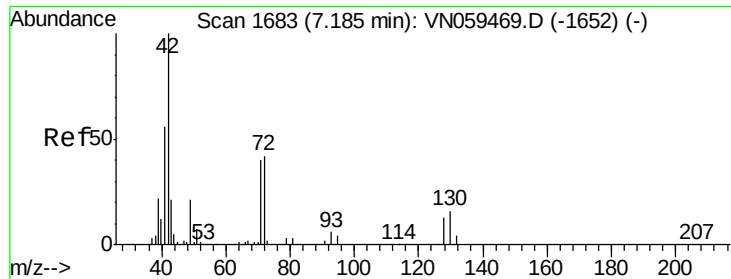
Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Tgt Ion:	49	Resp:	155868
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	3.2
130	72.0	58.4	87.6





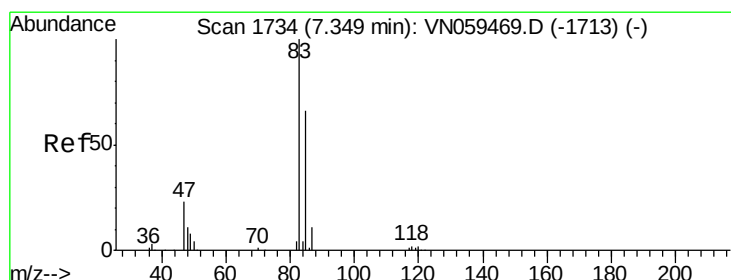
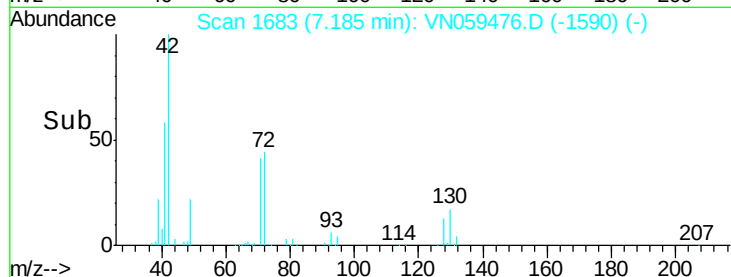
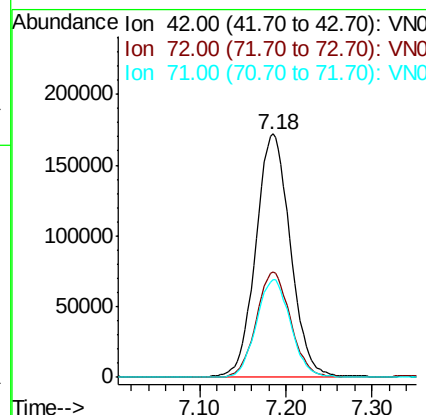
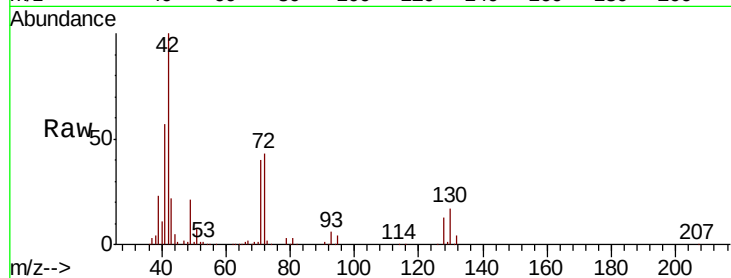
#29
Tetrahydrofuran
Concen: 210.536 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	39.8	32.0	48.0

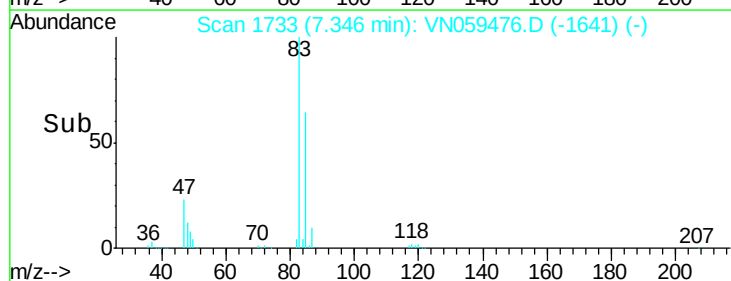
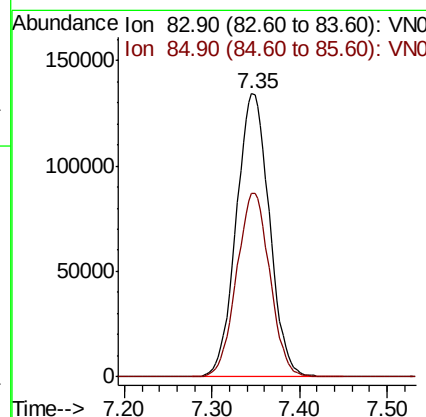
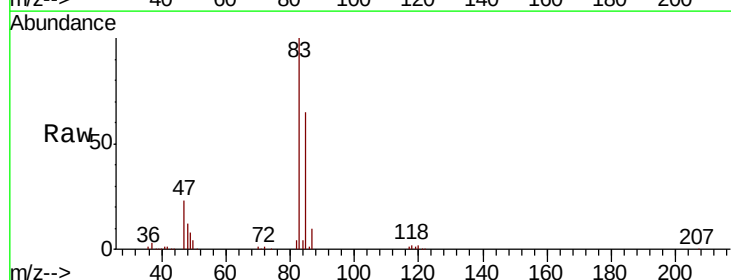
Manual Integrations
APPROVED

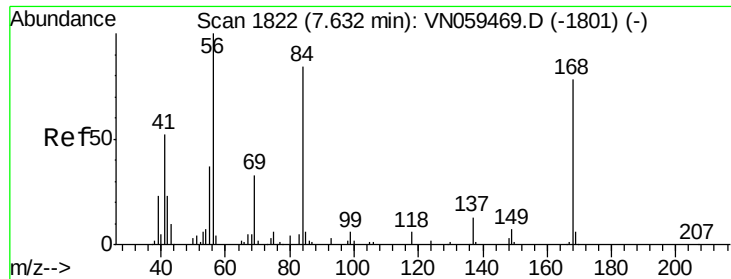
apatel
12/5/2019 11:18:59 AM



#30
Chloroform
Concen: 43.782 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.4	78.6





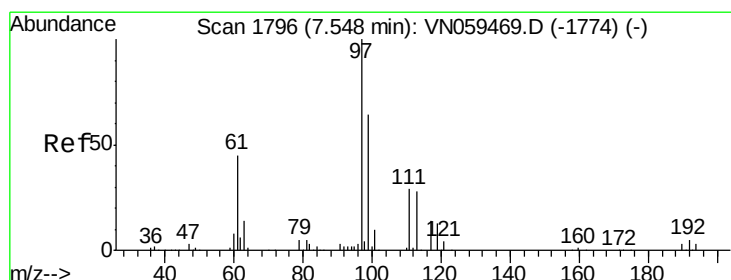
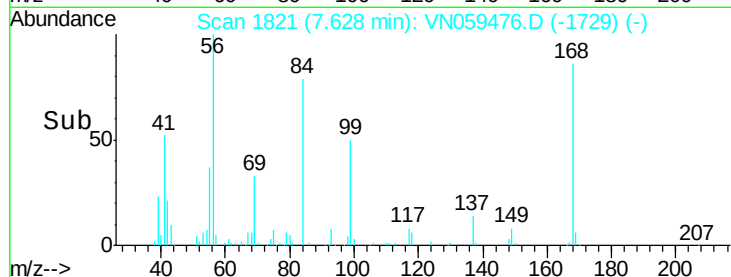
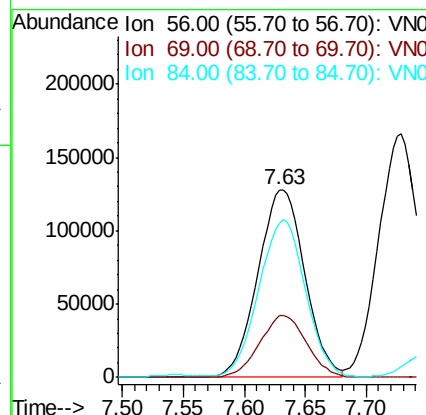
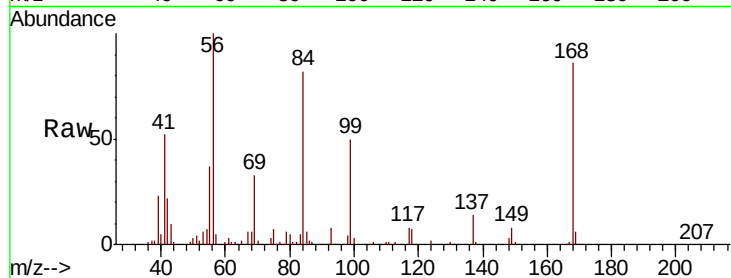
#31
Cyclohexane
Concen: 42.367 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.2	39.4
84	81.4	66.8	100.2

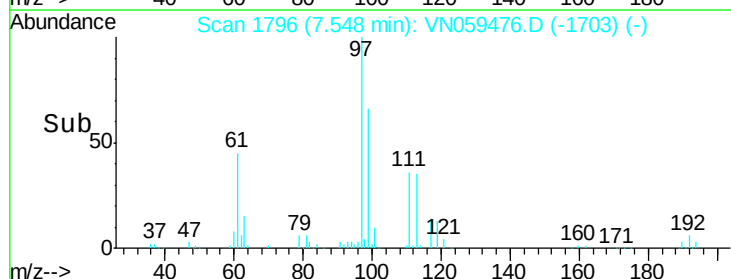
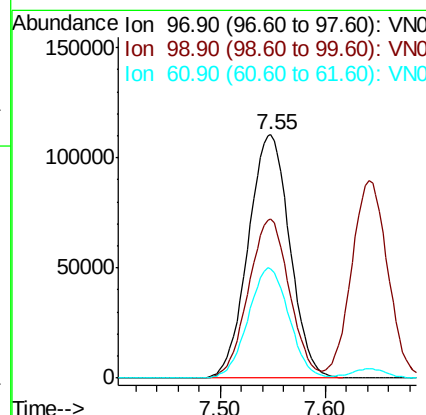
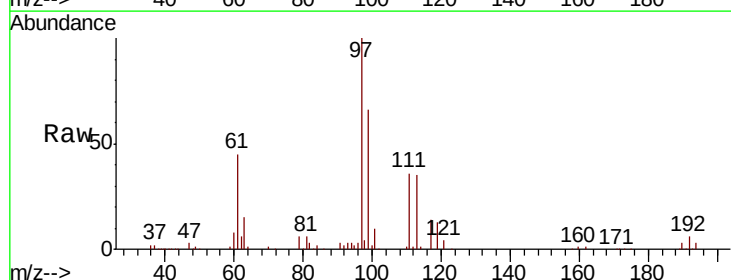
Manual Integrations
APPROVED

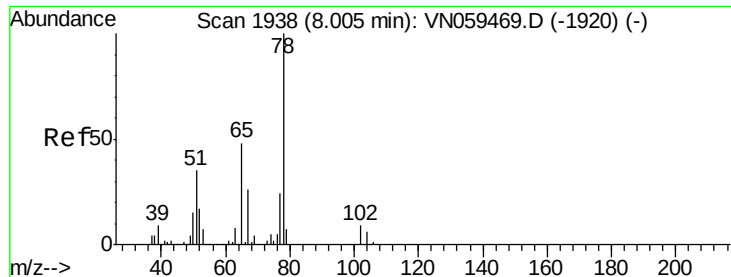
apatel
12/5/2019 11:18:59 AM



#32
1,1,1-Trichloroethane
Concen: 43.243 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.7	77.5
61	44.3	35.4	53.0





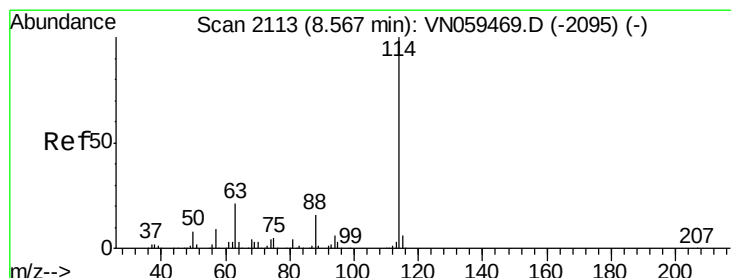
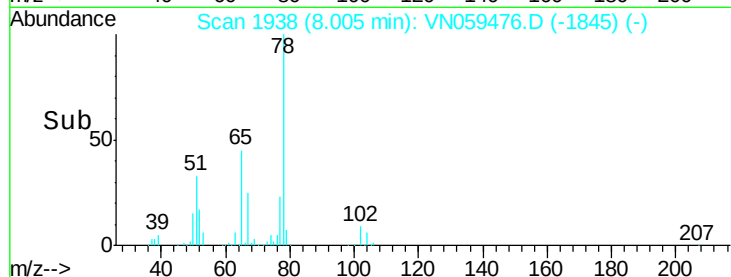
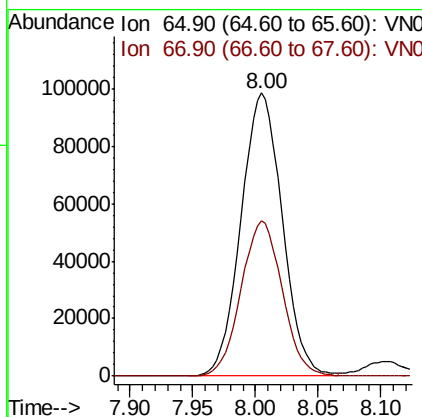
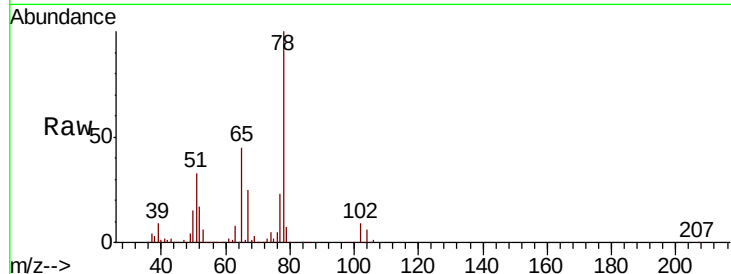
#33
 1,2-Dichloroethane-d4
 Concen: 47.086 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	107.4

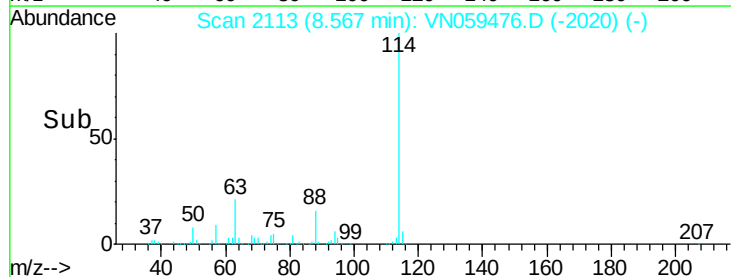
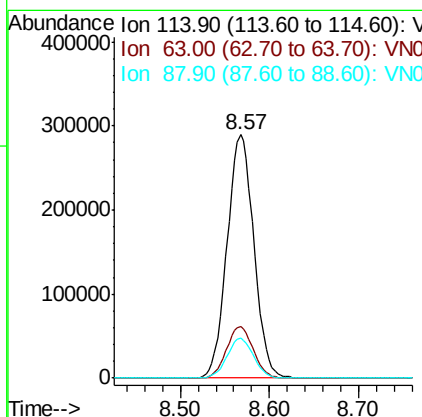
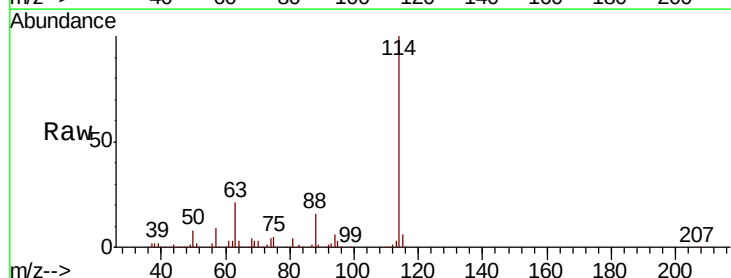
Manual Integrations
 APPROVED

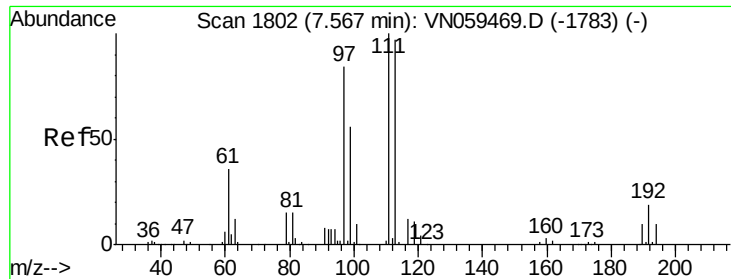
apatel
 12/5/2019 11:18:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.4
88	16.2	0.0	32.8





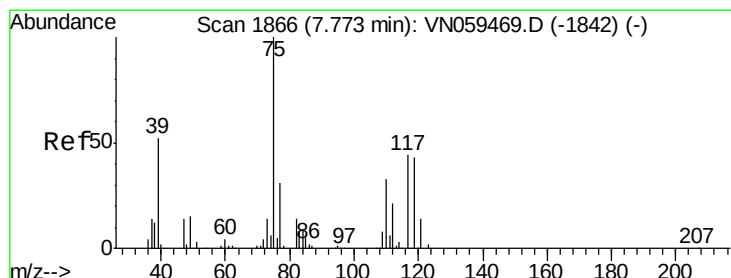
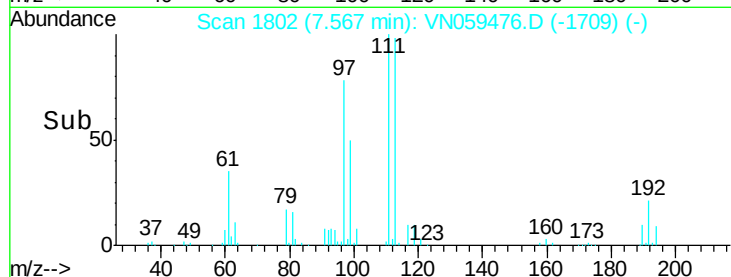
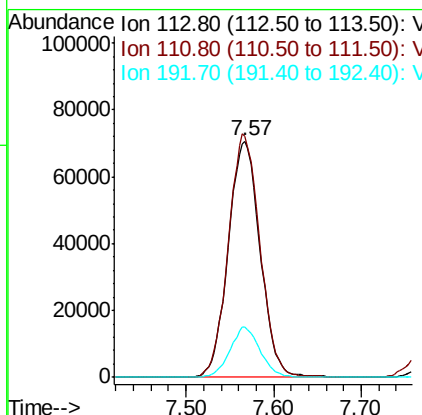
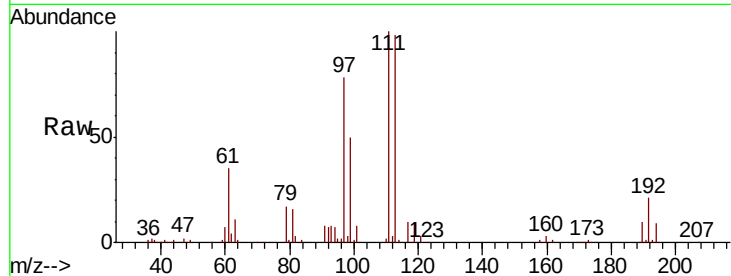
#35
 Dibromofluoromethane
 Concen: 47.659 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	178527		
111	101.9	82.5	123.7	
192	20.2	16.1	24.1	

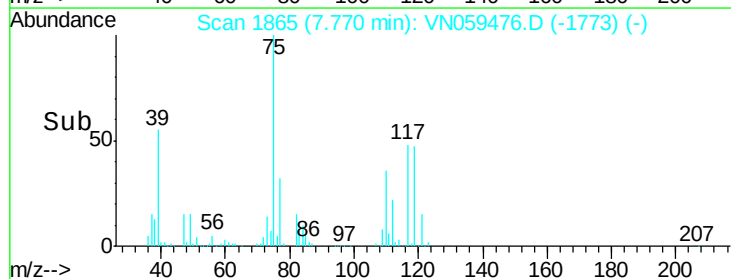
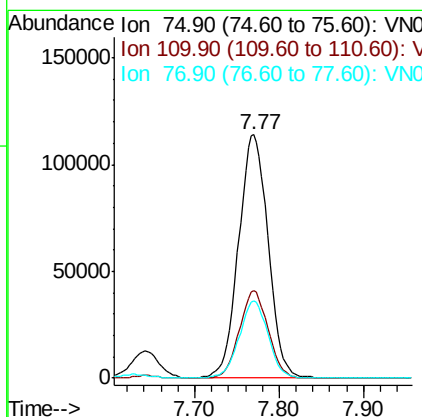
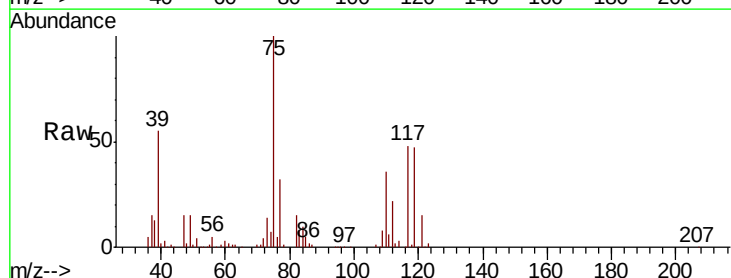
Manual Integrations
 APPROVED

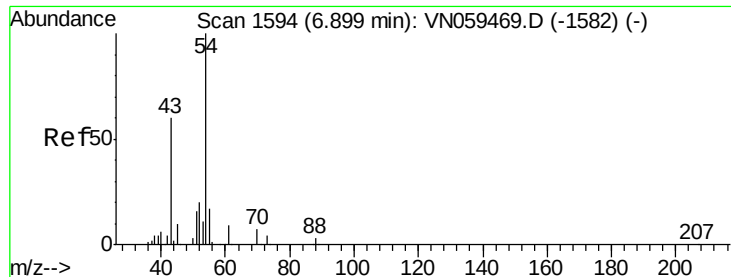
apatel
 12/5/2019 11:18:59 AM



#36
 1,1-Dichloropropene
 Concen: 44.546 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	278798		
110	34.9	16.9	50.7	
77	31.1	25.1	37.7	





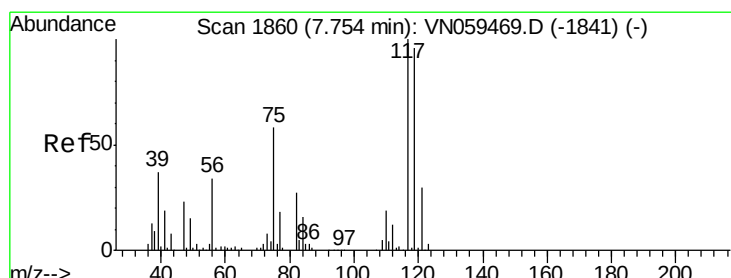
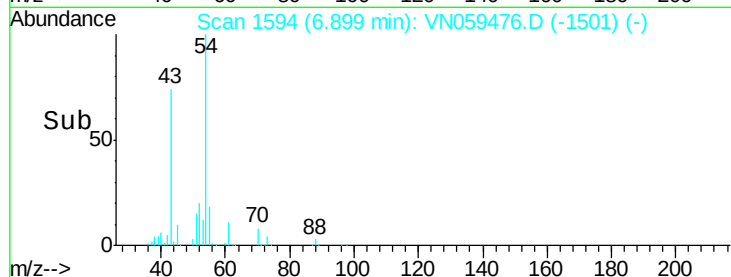
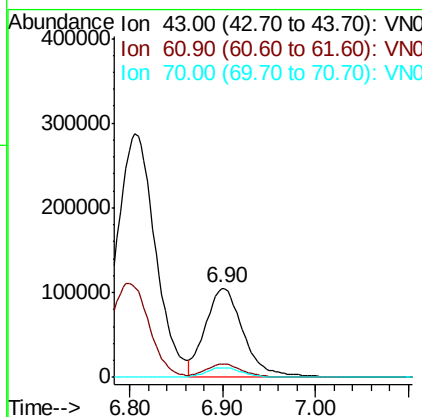
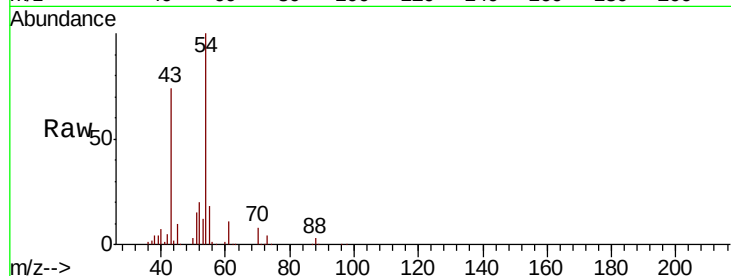
#37
Ethyl Acetate
Concen: 42.094 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	294280		
61	14.8		11.3	16.9
70	10.4		8.3	12.5

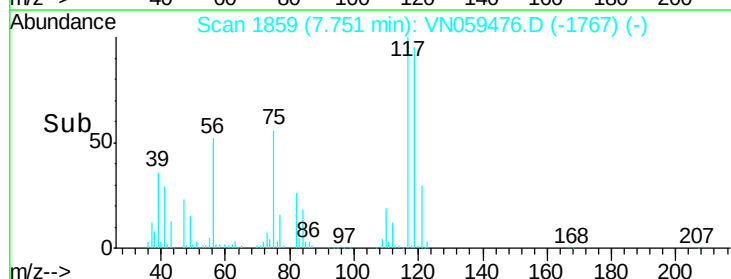
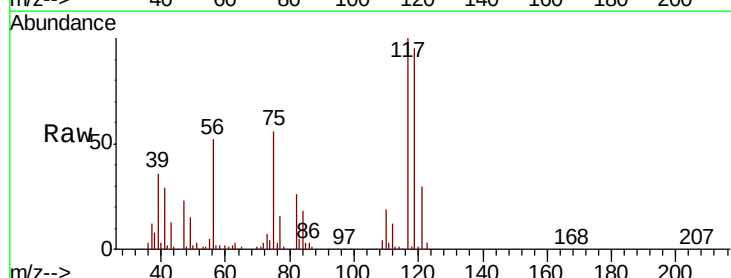
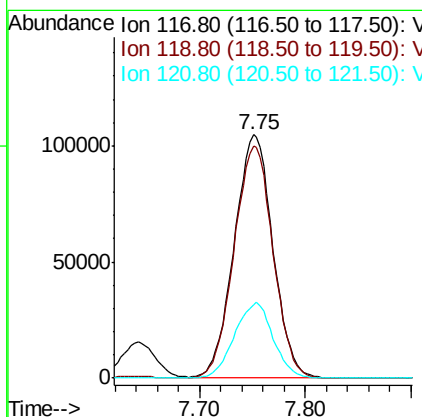
Manual Integrations
APPROVED

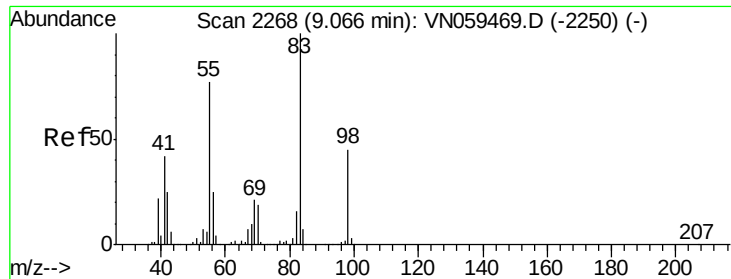
apatel
12/5/2019 11:18:59 AM



#38
Carbon Tetrachloride
Concen: 44.320 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	266793		
119	95.0		76.6	114.8
121	30.3		24.0	36.0





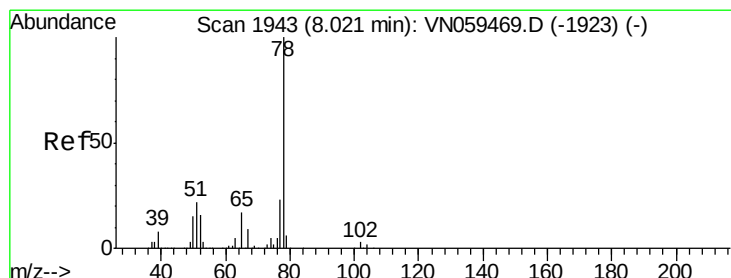
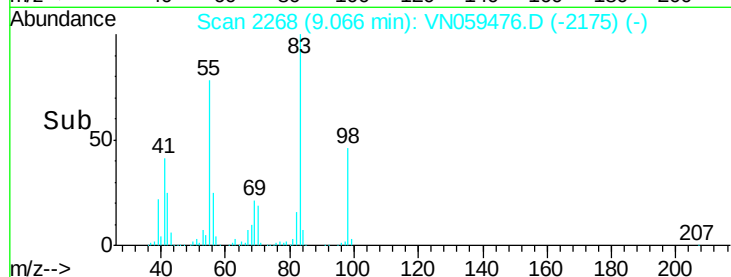
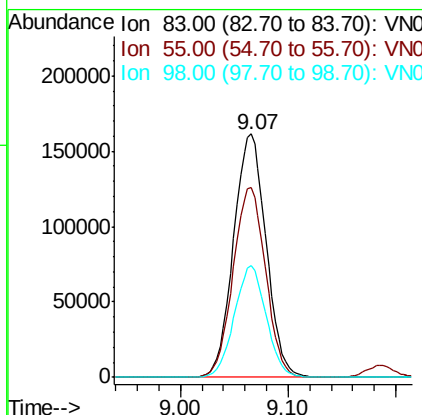
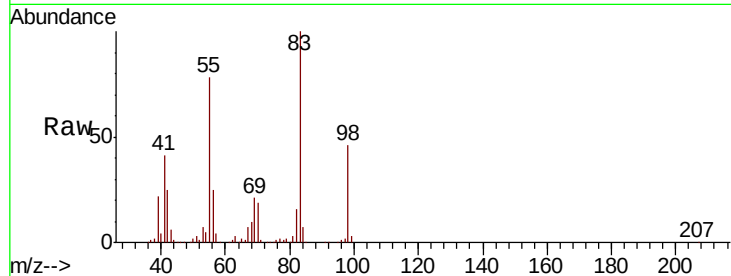
#39
Methylvlcyclohexane
Concen: 44.847 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.8	61.8	92.6	
98	45.8	36.2	54.2	

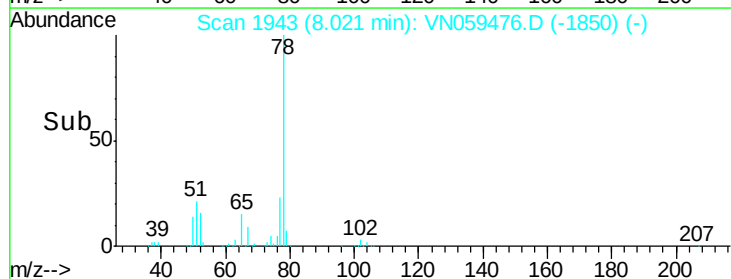
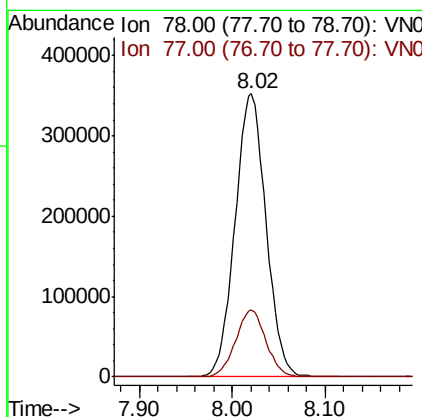
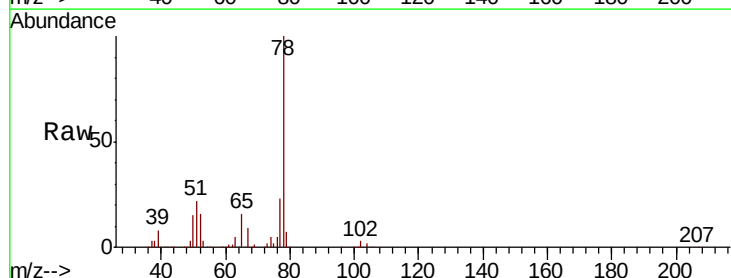
Manual Integrations
APPROVED

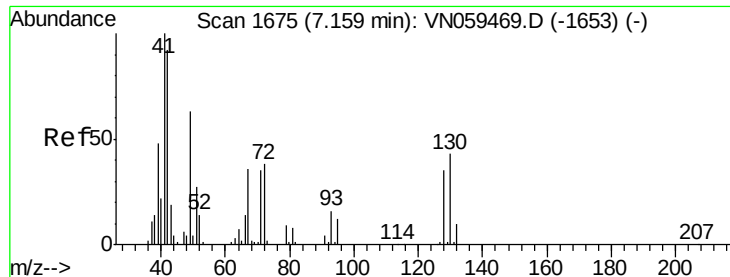
apatel
12/5/2019 11:18:59 AM



#40
Benzene
Concen: 44.523 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.2	27.2	





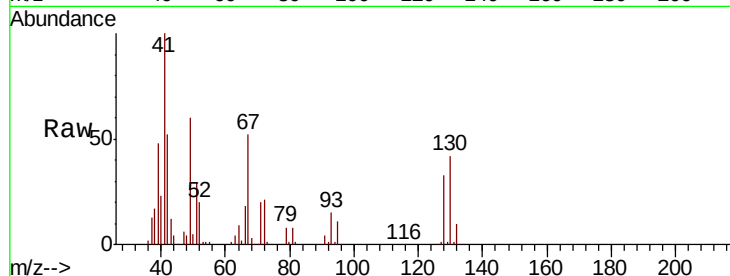
#41
Methacrylonitrile
Concen: 46.341 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

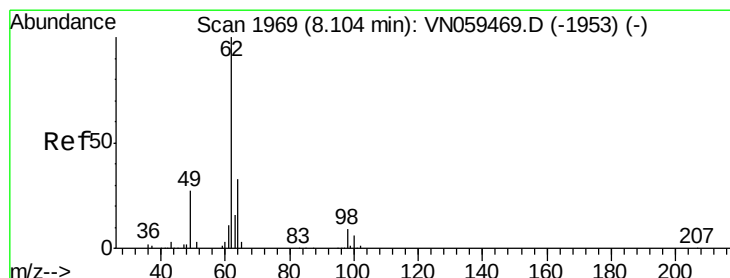
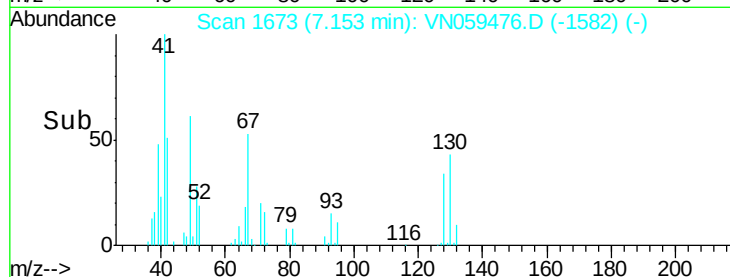
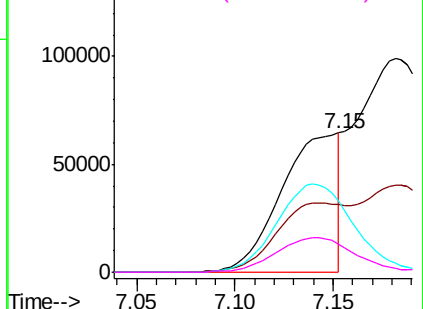
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
12/5/2019 11:18:59 AM

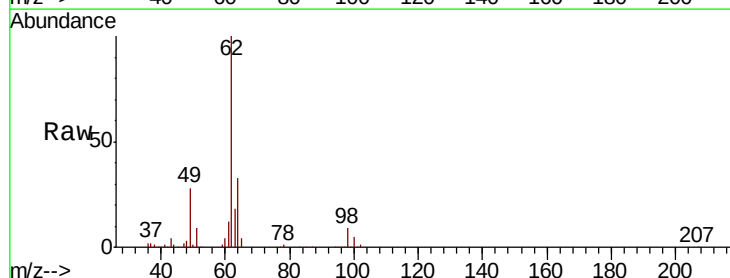


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

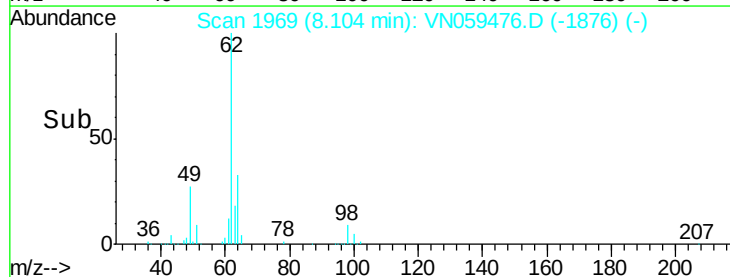
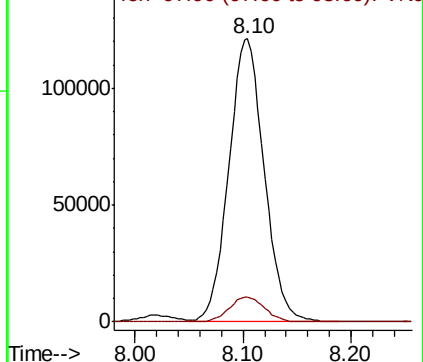


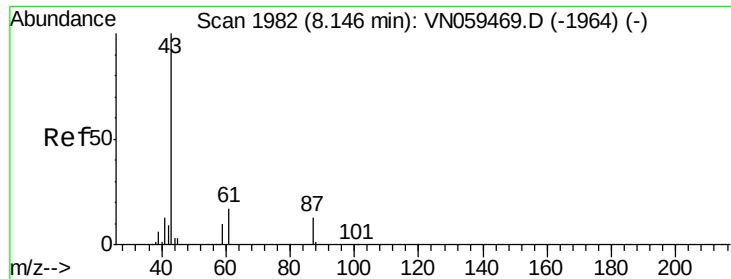
#42
1,2-Dichloroethane
Concen: 44.269 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 44.963 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

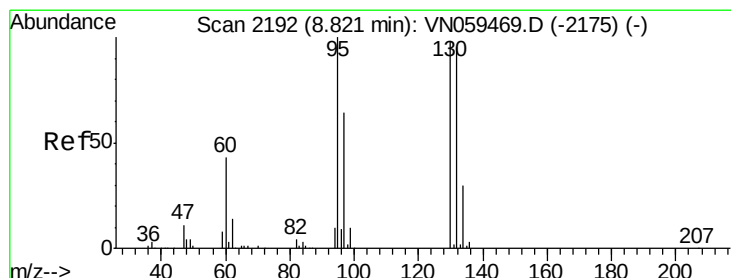
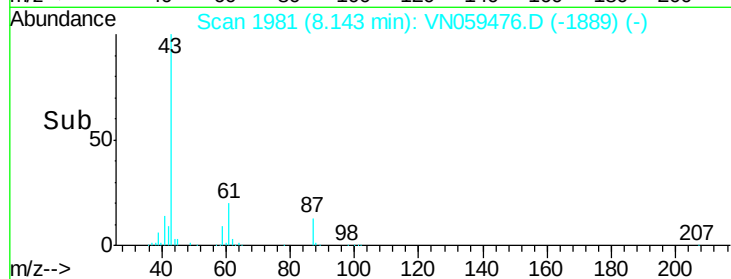
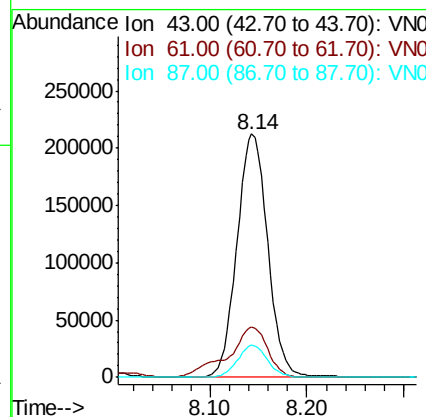
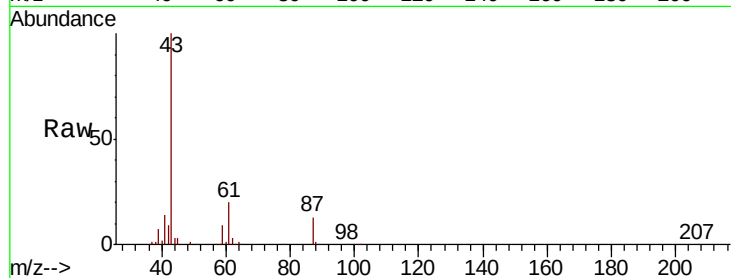
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	467518
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.0	31.6
87	12.9	10.4	15.6

Manual Integrations
APPROVED

apatel
12/5/2019 11:18:59 AM



#44

Trichloroethene

Concen: 43.638 ug/l

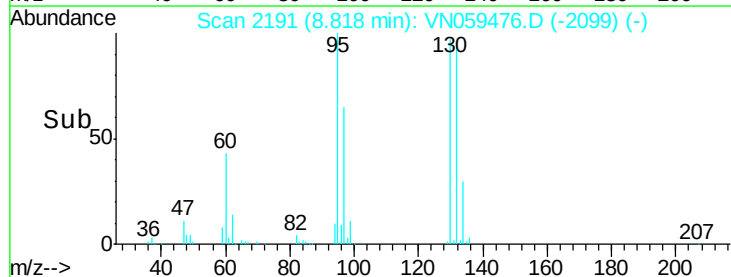
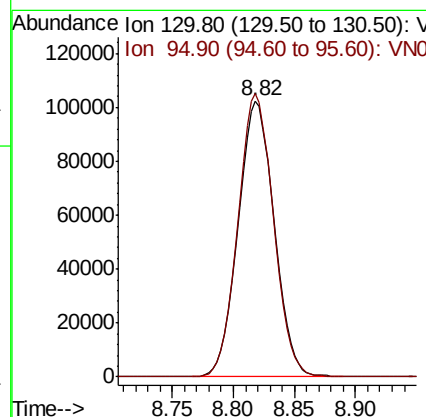
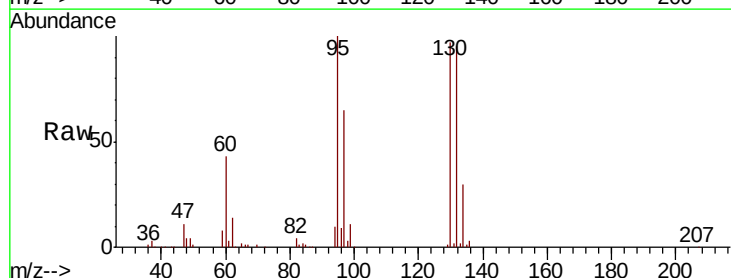
RT: 8.82 min Scan# 2191

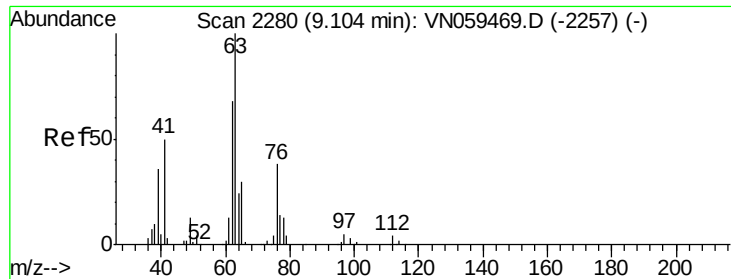
Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Tgt Ion:	130	Resp:	209006
Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	203.6





#45

1,2-Dichloropropane

Concen: 44.426 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 217530

Ion Ratio Lower Upper

63 100

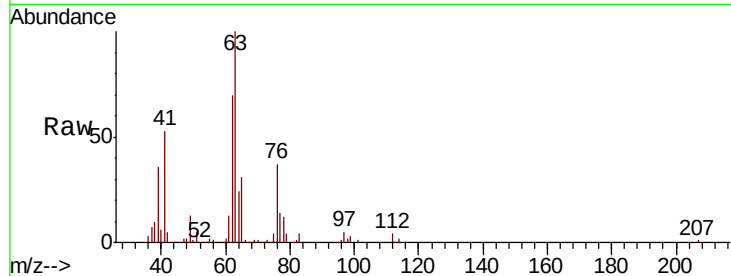
65 30.8 24.4 36.6

Manual Integrations

APPROVED

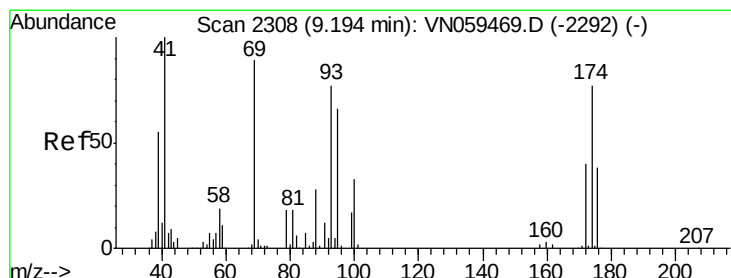
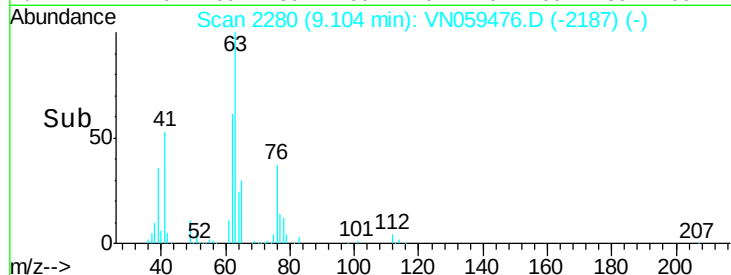
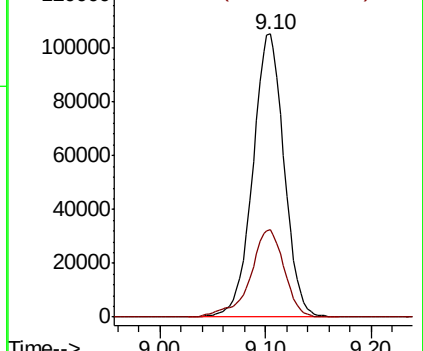
apatel

12/5/2019 11:18:59 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 44.826 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

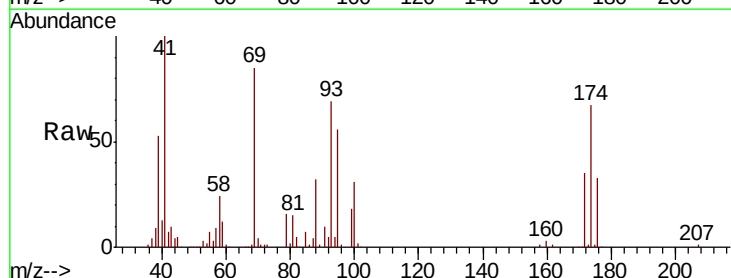
Tgt Ion: 93 Resp: 136653

Ion Ratio Lower Upper

93 100

95 82.9 67.0 100.6

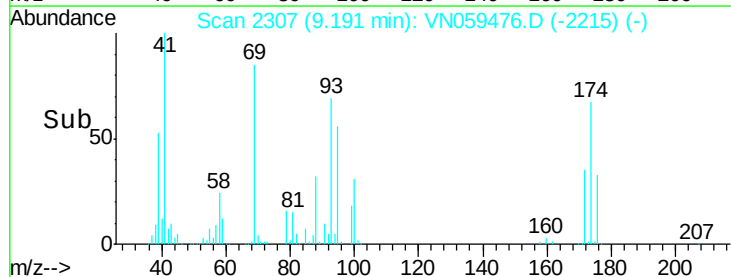
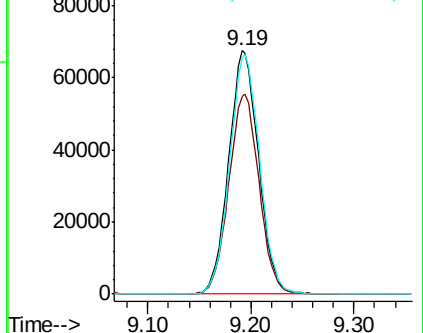
174 98.9 79.6 119.4

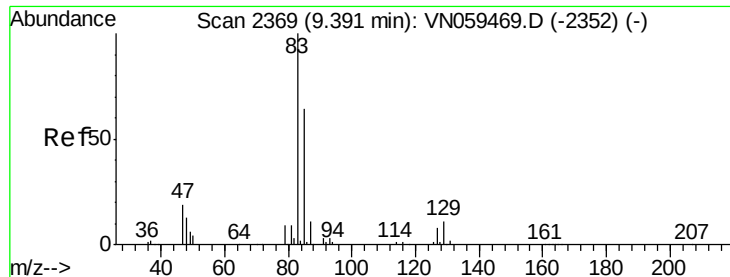


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





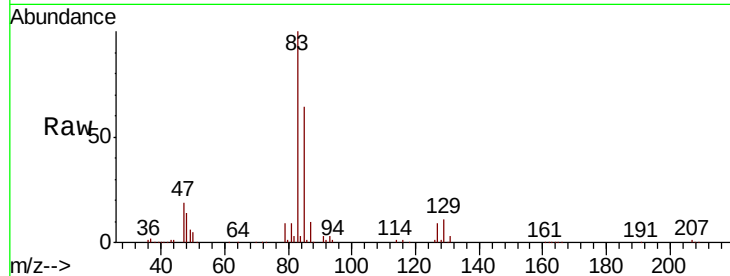
#47
Bromodichloromethane
Concen: 45.152 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

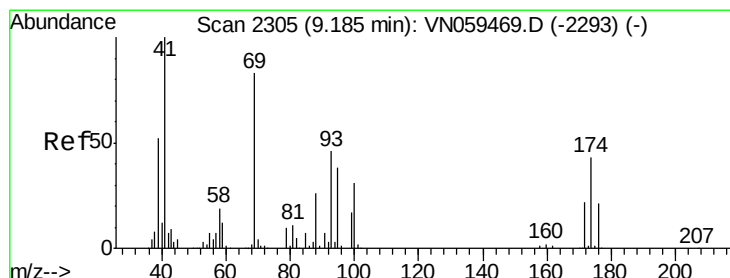
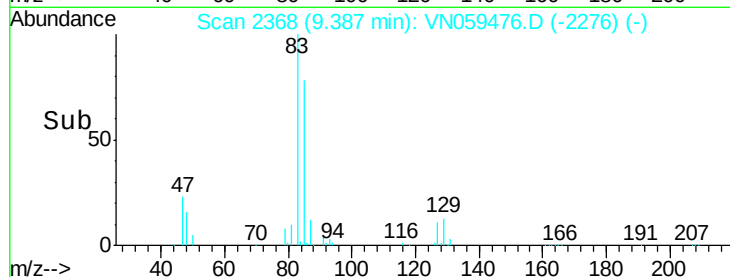
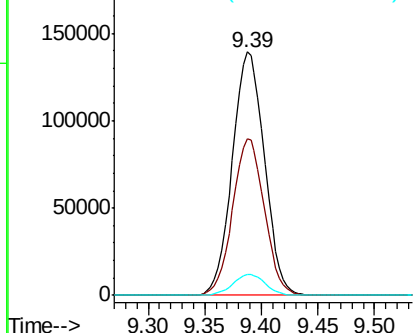
Tot Ion	Ratio	Resp	Lower	Upper
83	100	275991		
85	64.3		51.0	76.6
127	8.7		6.6	9.8

Manual Integrations
APPROVED

apatel
12/5/2019 11:18:59 AM



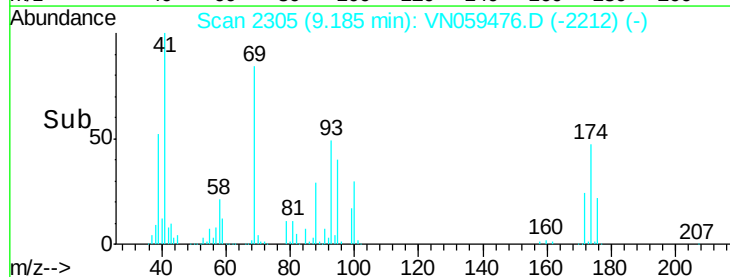
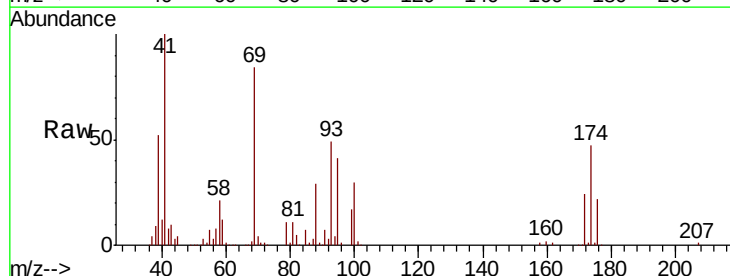
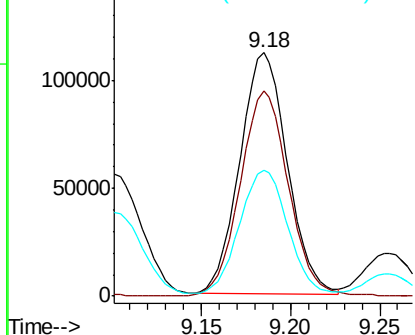
Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

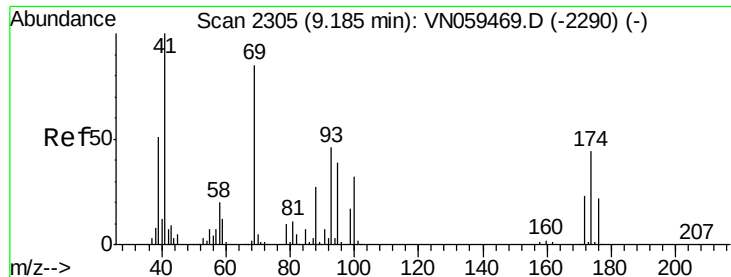


#48
Methyl methacrylate
Concen: 44.229 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	207483		
69	86.9		68.6	103.0
39	54.0		43.2	64.8

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





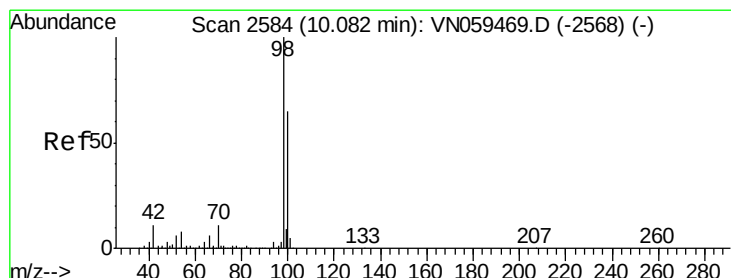
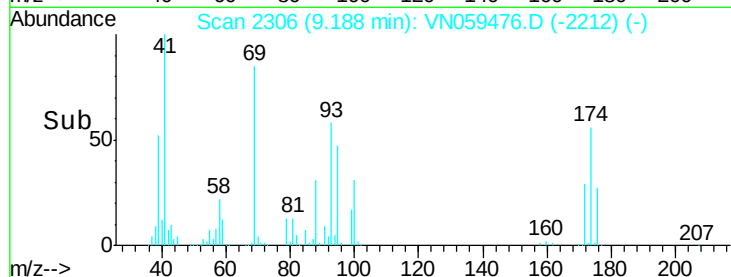
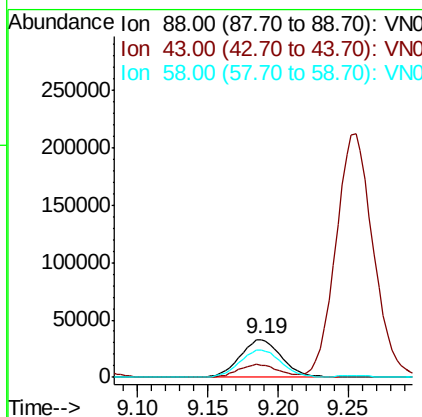
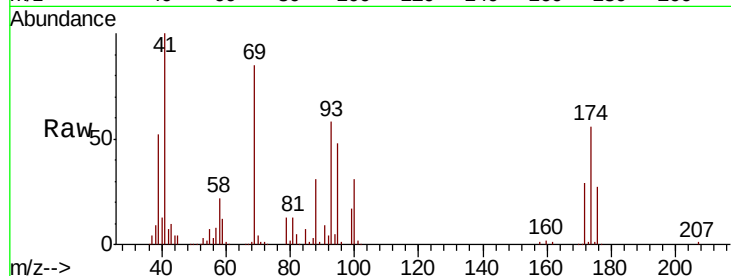
#49
1,4-Dioxane
Concen: 956.742 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	27.1	40.7
58	72.6	57.8	86.6

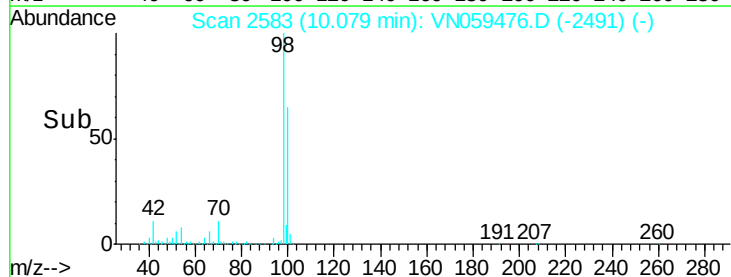
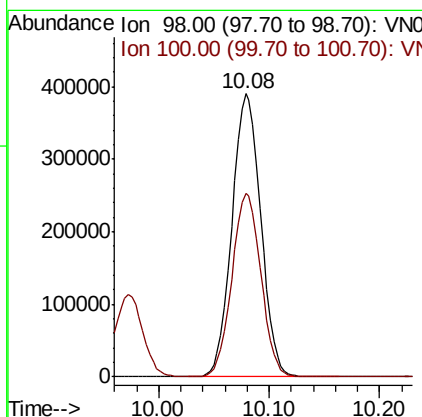
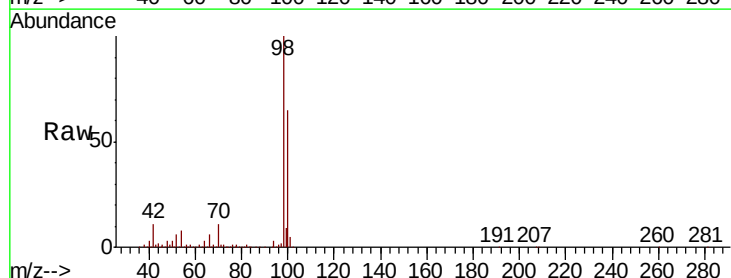
Manual Integrations
APPROVED

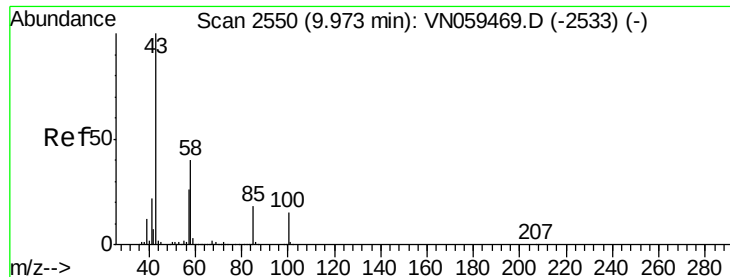
apatel
12/5/2019 11:18:59 AM



#50
Toluene-d8
Concen: 47.932 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1





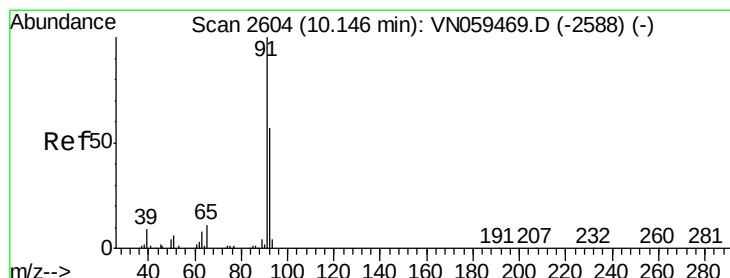
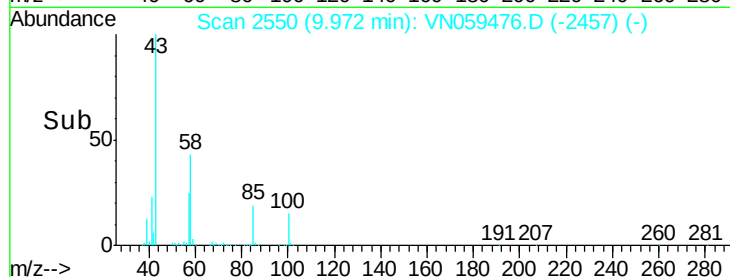
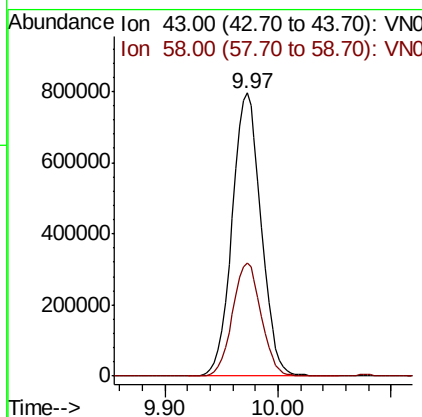
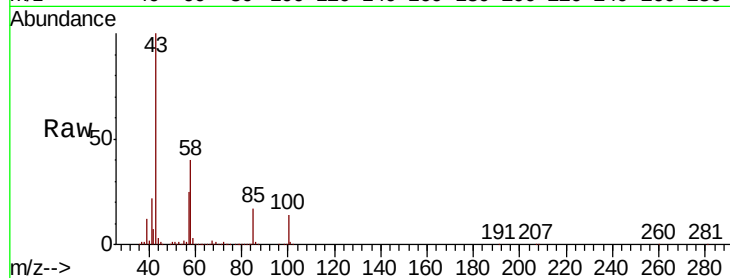
#51
4-Methyl-2-Pentanone
Concen: 229.230 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1414822
Ion Ratio Lower Upper
43 100
58 39.8 32.1 48.1

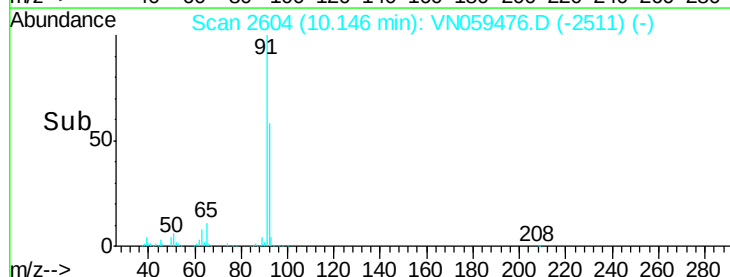
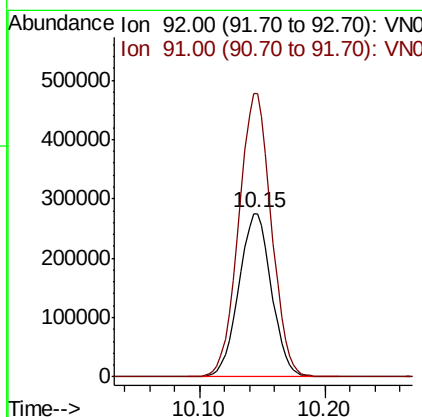
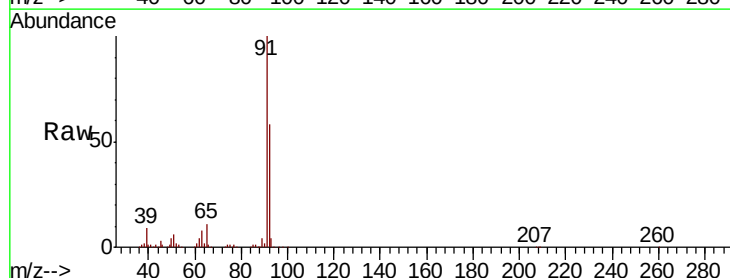
Manual Integrations
APPROVED

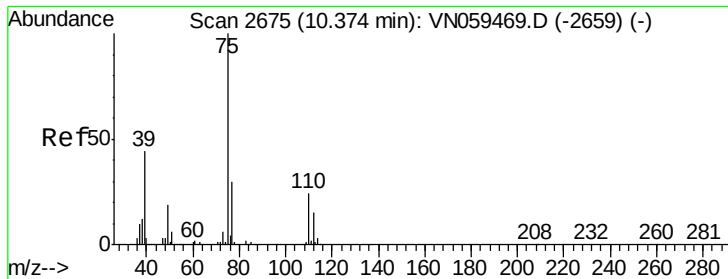
apatel
12/5/2019 11:18:59 AM



#52
Toluene
Concen: 44.840 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion: 92 Resp: 497027
Ion Ratio Lower Upper
92 100
91 173.6 138.6 208.0





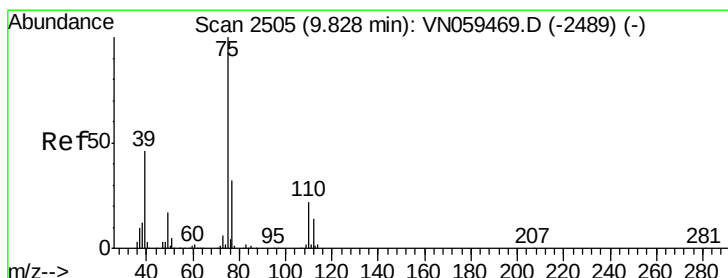
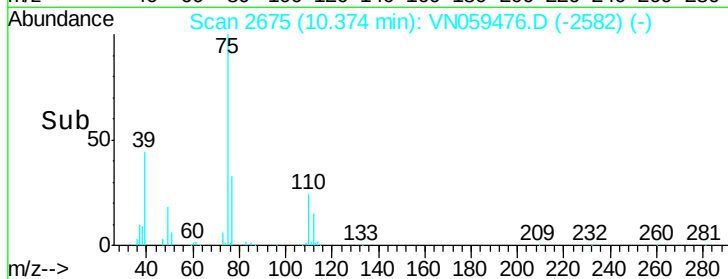
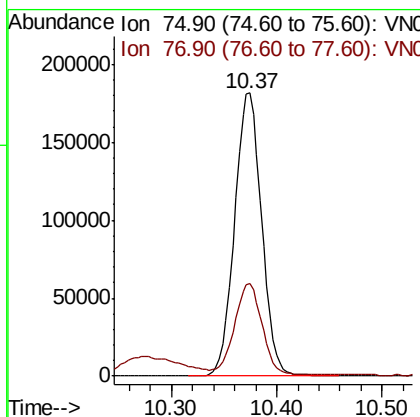
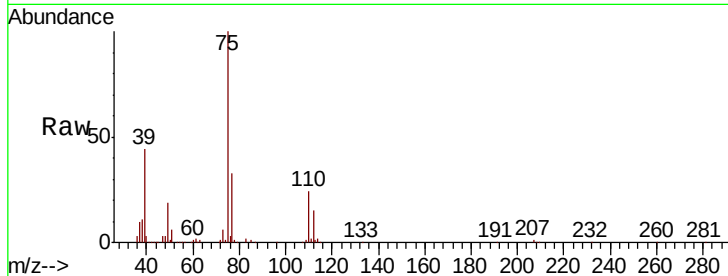
#53
t-1,3-Dichloropropene
Concen: 44.888 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.6

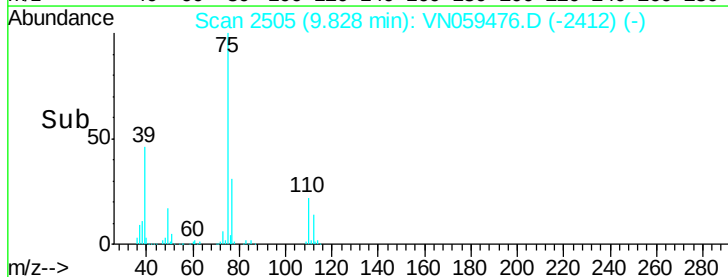
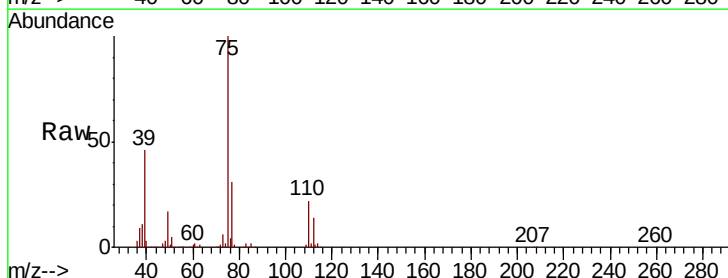
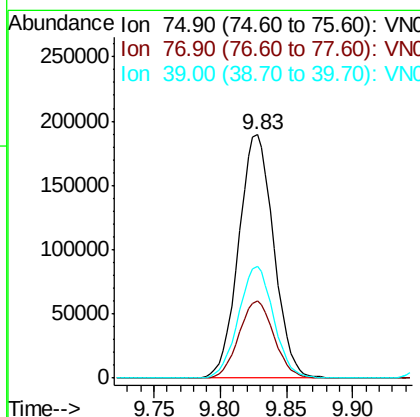
Manual Integrations
APPROVED

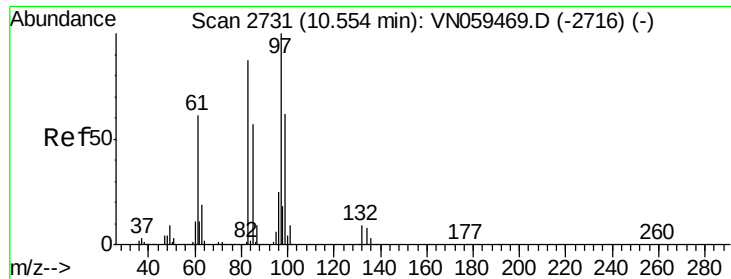
apatel
12/5/2019 11:18:59 AM



#54
cis-1,3-Dichloropropene
Concen: 45.649 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.7	38.5
39	45.8	36.6	54.8





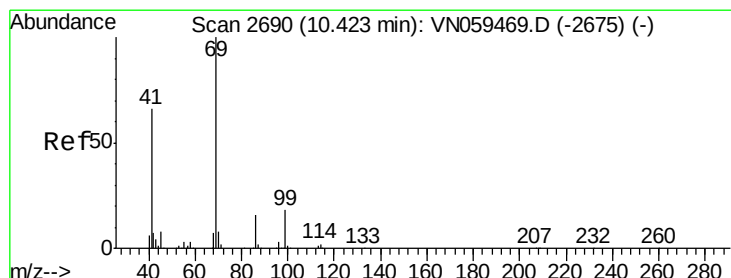
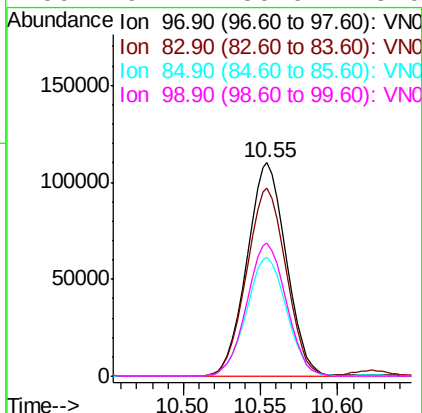
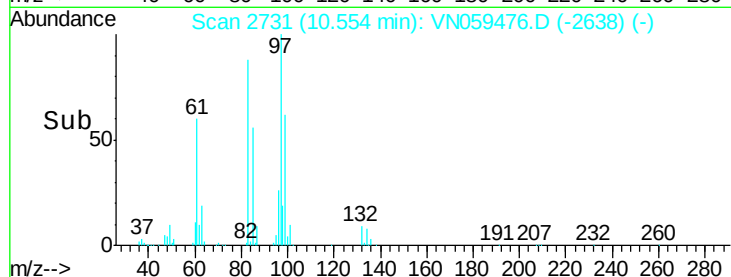
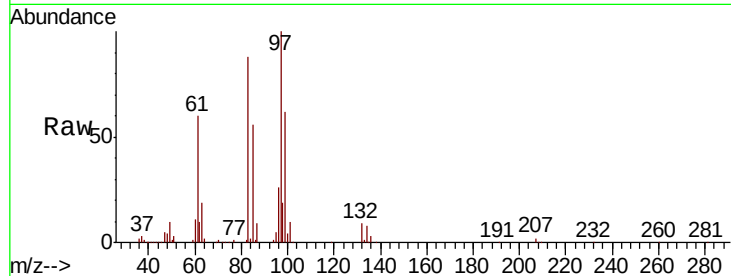
#55
 1,1,2-Trichloroethane
 Concen: 44.597 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	194870
Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.8	104.8
85	55.6	45.5	68.3
99	62.1	50.0	75.0

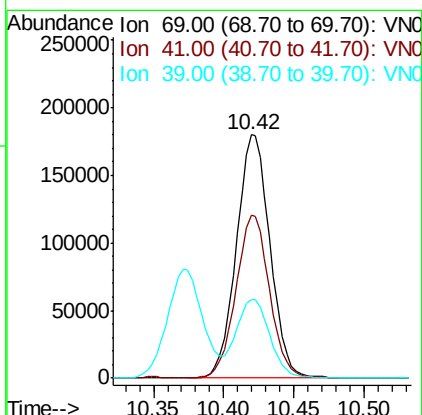
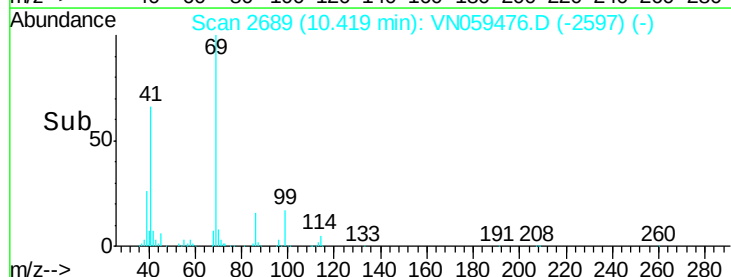
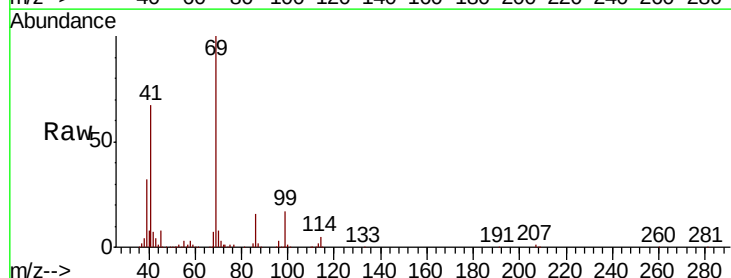
Manual Integrations
 APPROVED

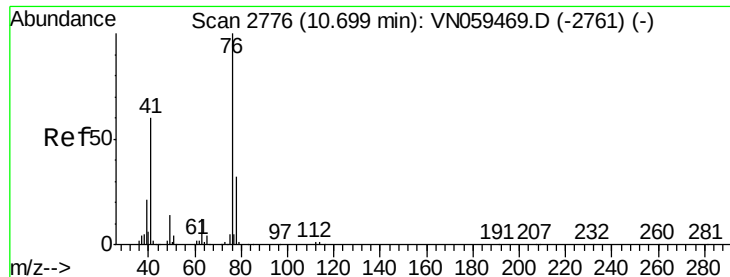
apatel
 12/5/2019 11:18:59 AM



#56
 Ethyl methacrylate
 Concen: 42.723 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Tgt Ion:	69	Resp:	300694
Ion	Ratio	Lower	Upper
69	100		
41	66.5	52.7	79.1
39	32.8	25.0	37.6





#57

1,3-Dichloropropane

Concen: 44.797 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 338502

Ion Ratio Lower Upper

76 100

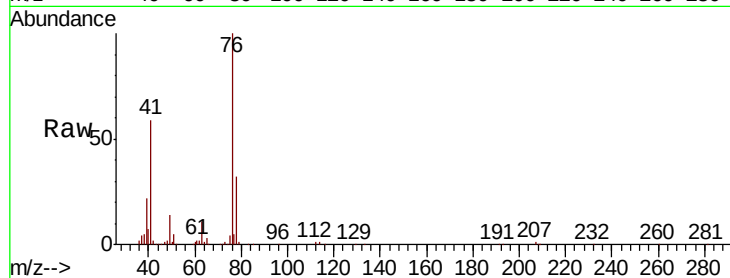
78 32.2 25.8 38.8

Manual Integrations

APPROVED

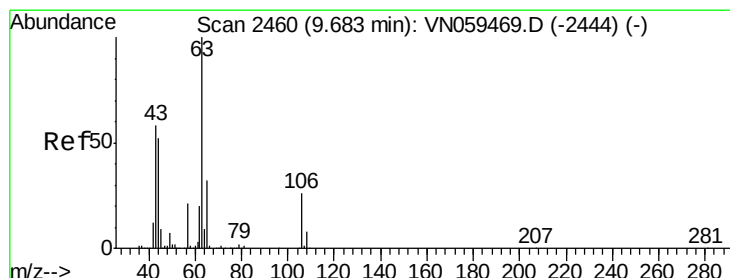
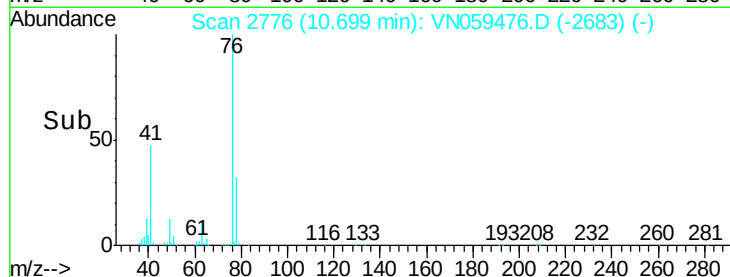
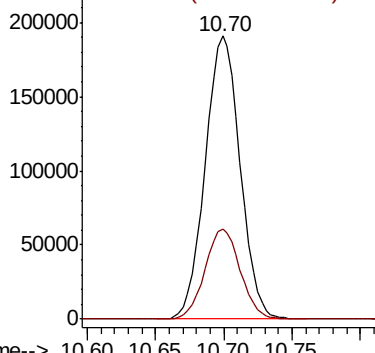
apatel

12/5/2019 11:18:59 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 96.607 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059476.D

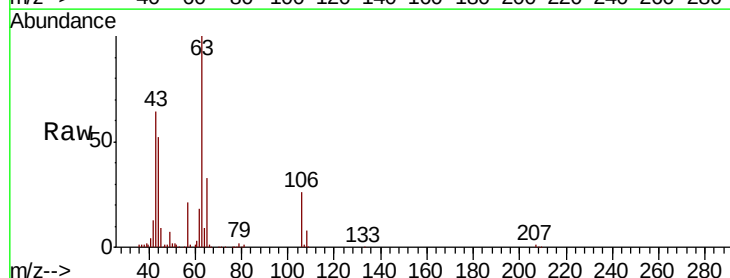
Acq: 4 Dec 2019 9:53

Tgt Ion: 63 Resp: 208105

Ion Ratio Lower Upper

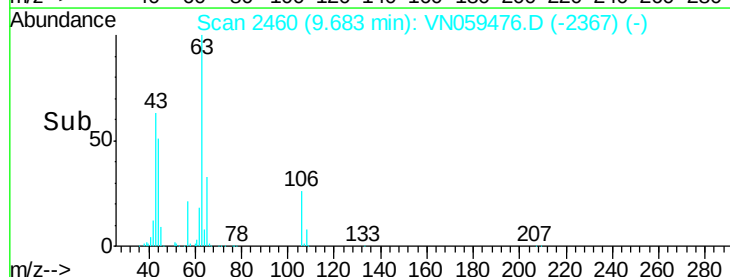
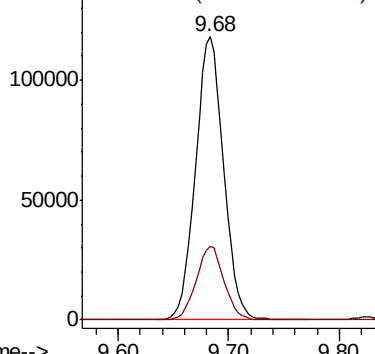
63 100

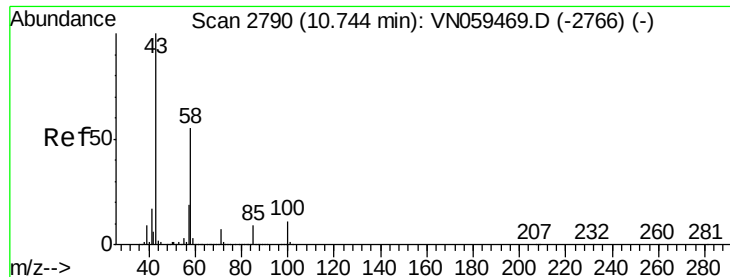
106 25.6 20.4 30.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





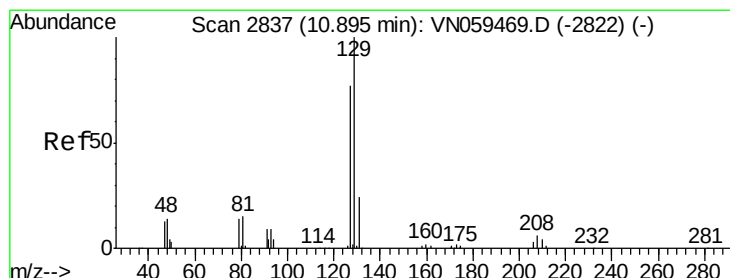
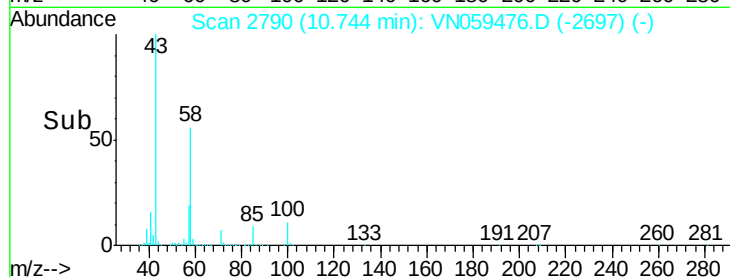
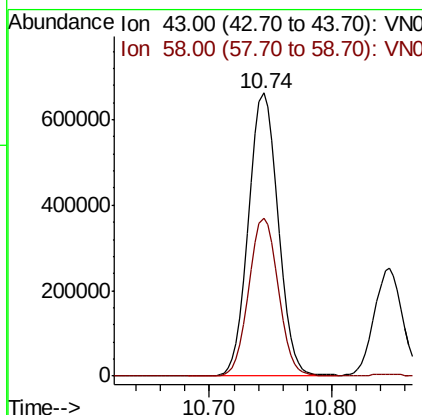
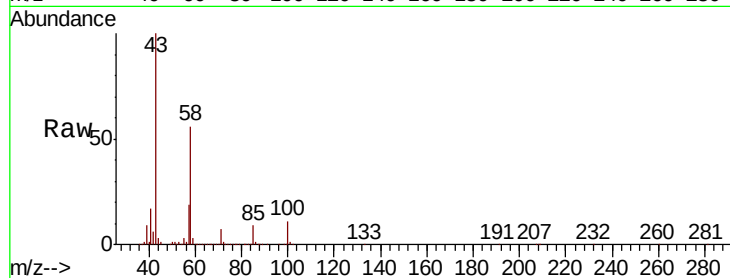
#59
2-Hexanone
Concen: 238.454 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1107600
Ion Ratio Lower Upper
43 100
58 55.6 27.7 83.0

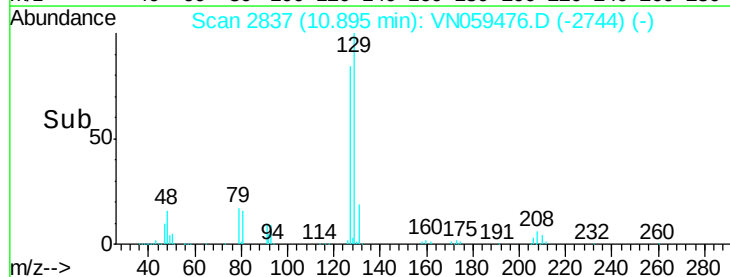
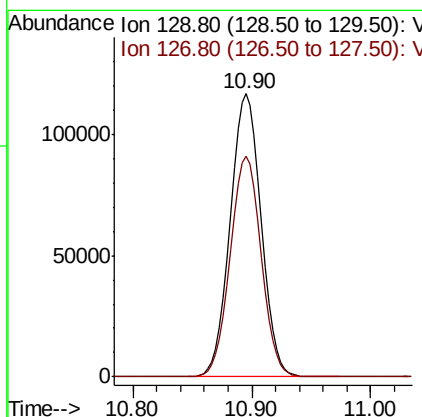
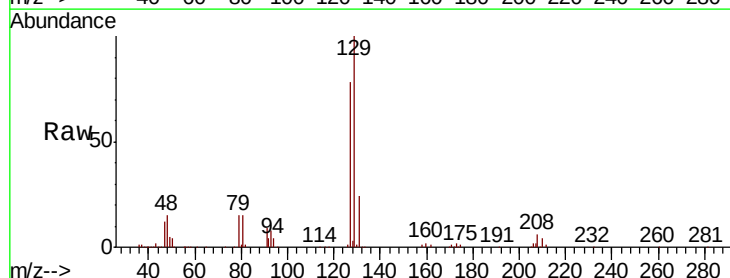
Manual Integrations
APPROVED

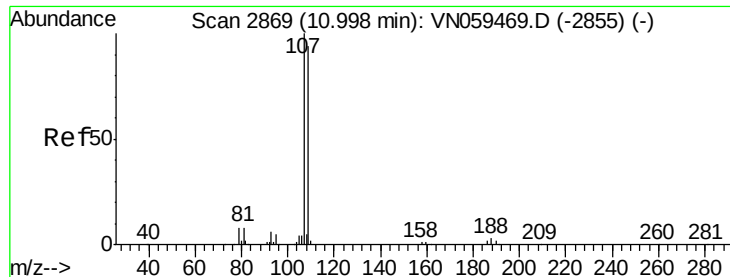
apatel
12/5/2019 11:18:59 AM



#60
Dibromochloromethane
Concen: 44.982 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion: 129 Resp: 209868
Ion Ratio Lower Upper
129 100
127 78.2 39.0 116.9





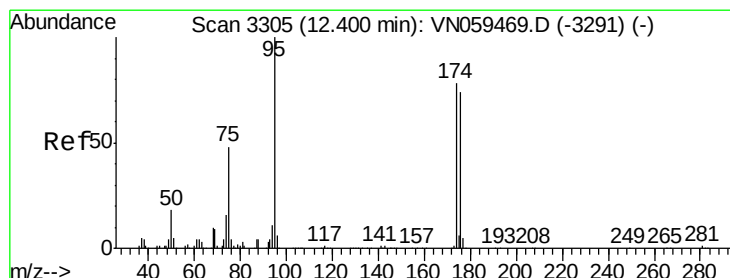
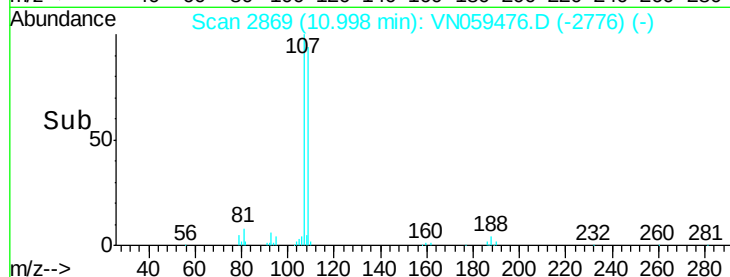
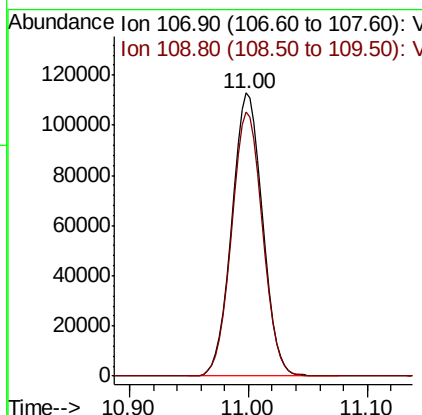
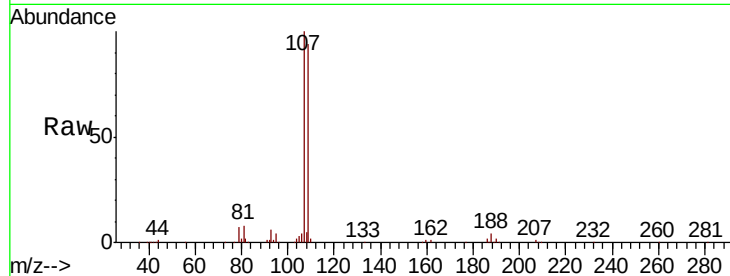
#61
 1,2-Dibromoethane
 Concen: 44.766 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.0

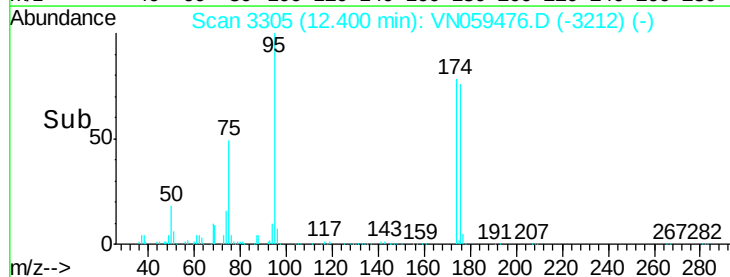
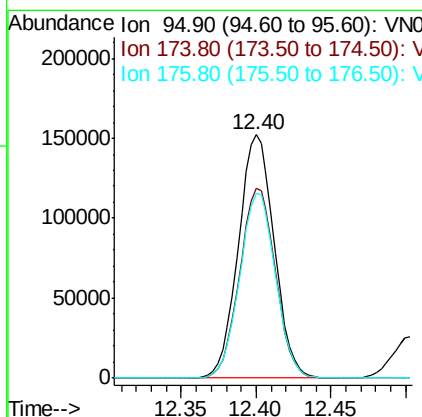
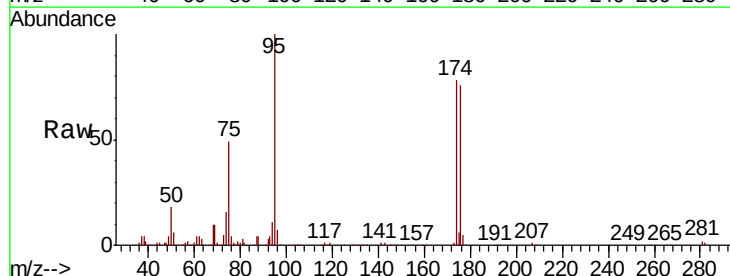
Manual Integrations
 APPROVED

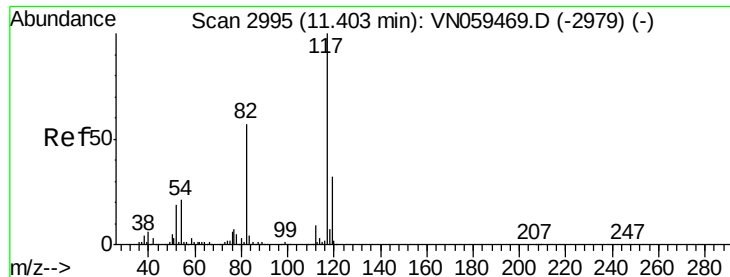
apatel
 12/5/2019 11:18:59 AM



#62
 4-Bromofluorobenzene
 Concen: 49.063 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.4	0.0	157.0
176	76.2	0.0	152.4





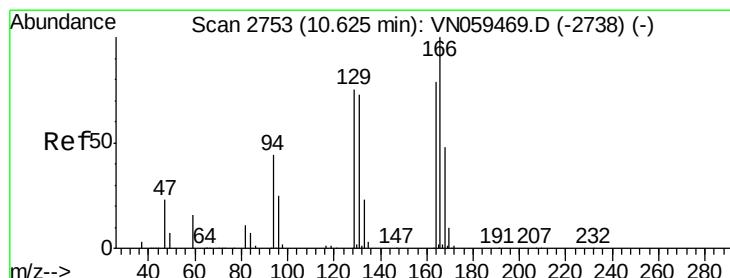
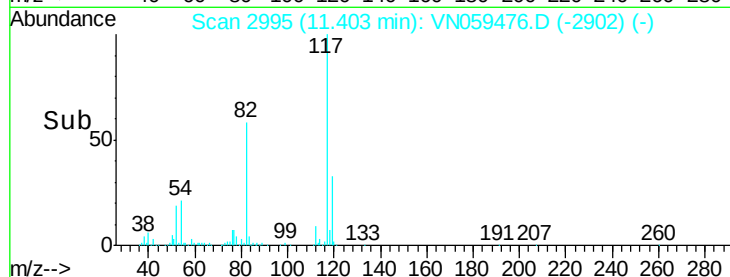
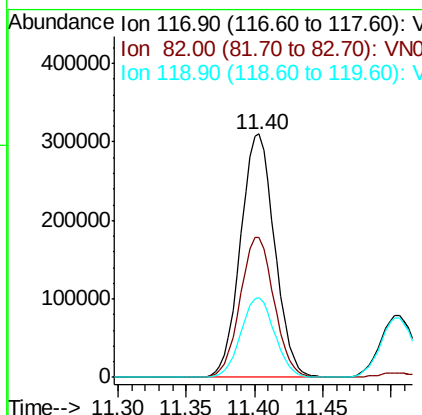
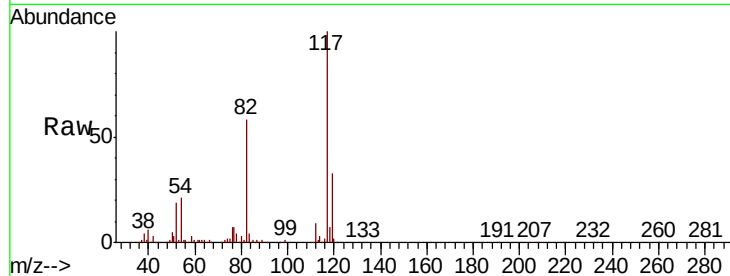
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	537955		
82	57.6		45.8	68.8
119	32.7		25.4	38.0

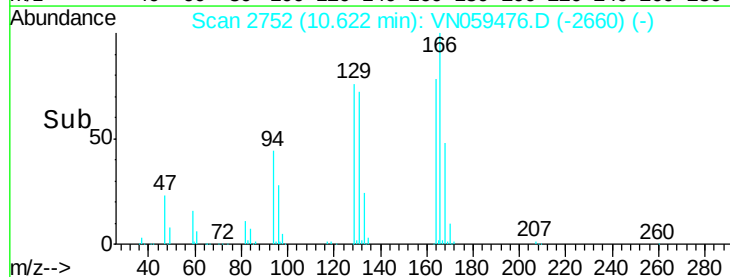
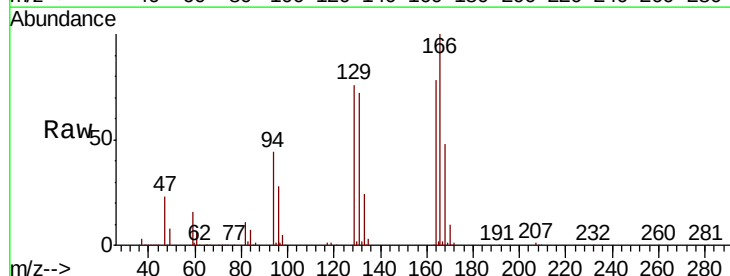
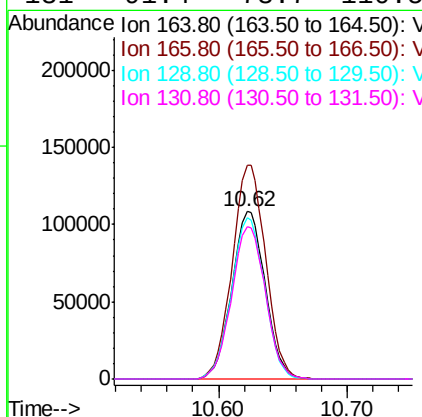
Manual Integrations
APPROVED

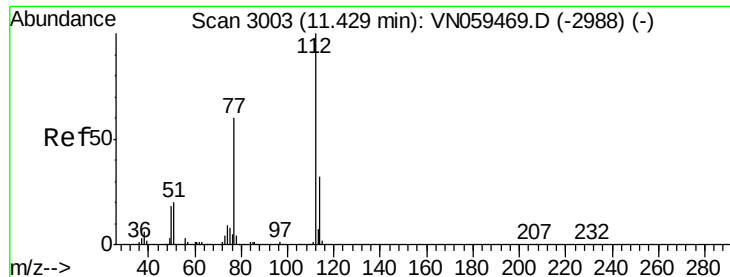
apatel
12/5/2019 11:18:59 AM



#64
Tetrachloroethene
Concen: 42.486 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	194415		
166	127.8		101.2	151.8
129	96.5		76.1	114.1
131	91.4		73.7	110.5





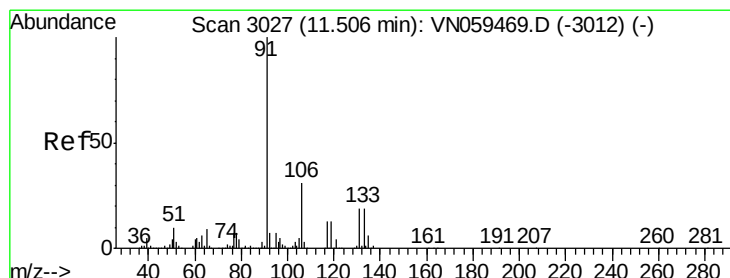
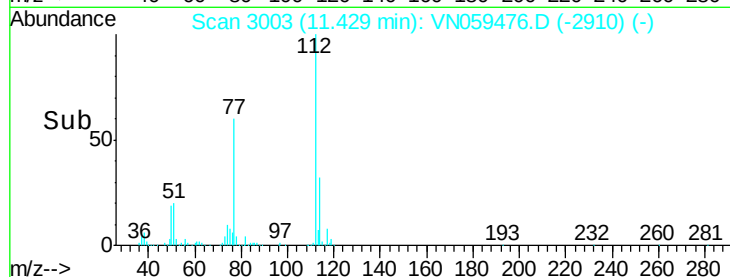
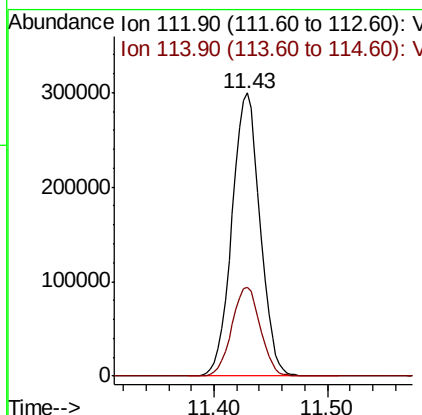
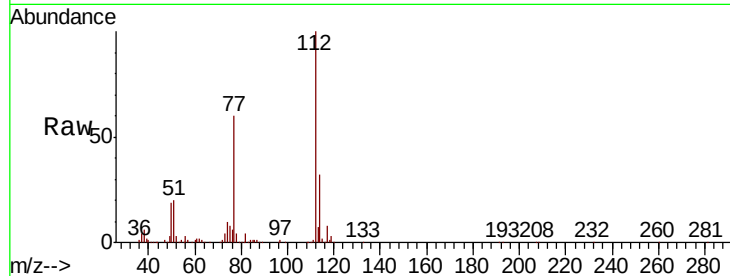
#65
Chlorobenzene
Concen: 43.984 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.7	38.5

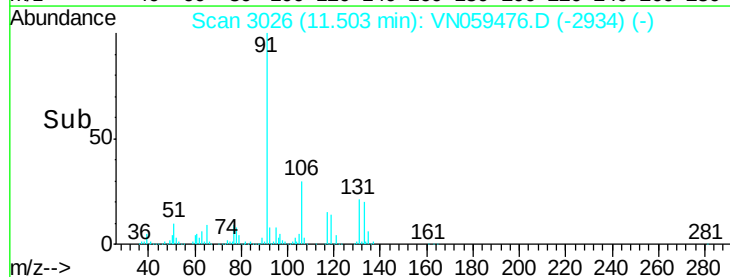
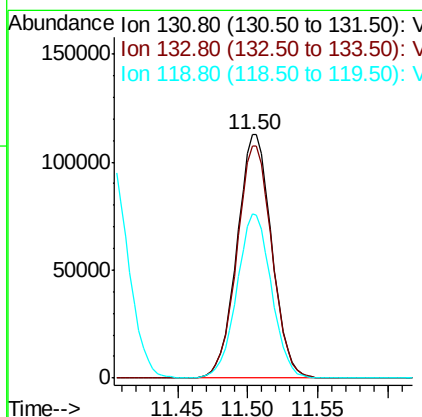
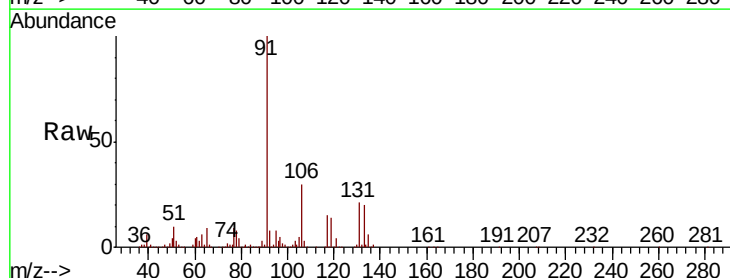
Manual Integrations
APPROVED

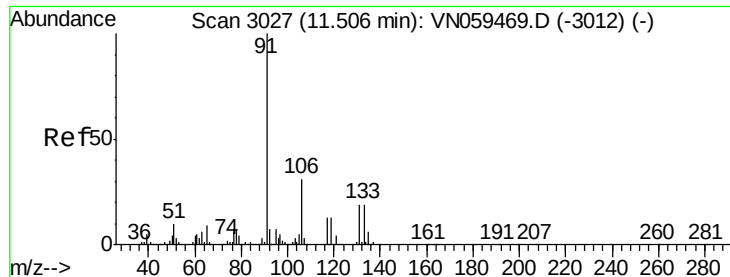
apatel
12/5/2019 11:18:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.010 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.0	144.0
119	67.2	33.9	101.6





#67

Ethyl Benzene

Concen: 46.115 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 950188

Ion Ratio Lower Upper

91 100

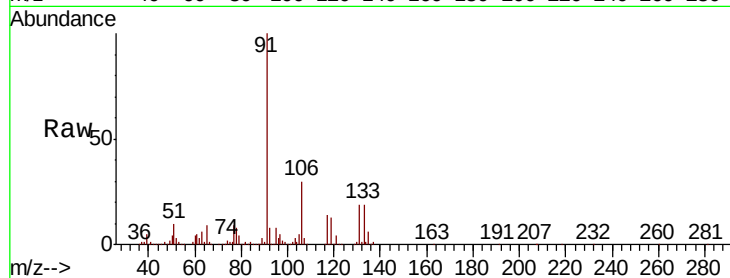
106 30.4 24.7 37.1

Manual Integrations

APPROVED

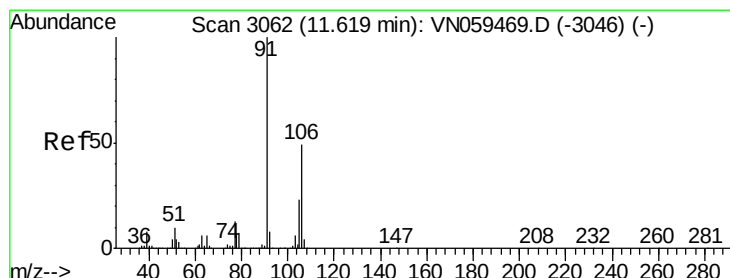
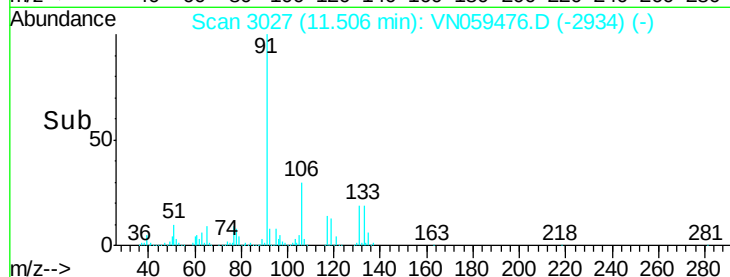
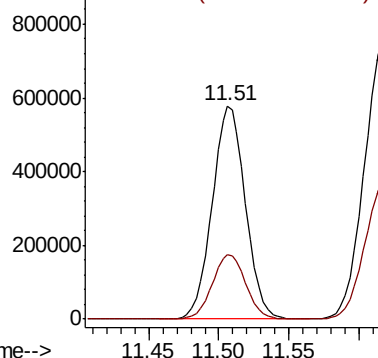
apatel

12/5/2019 11:18:59 AM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 92.238 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059476.D

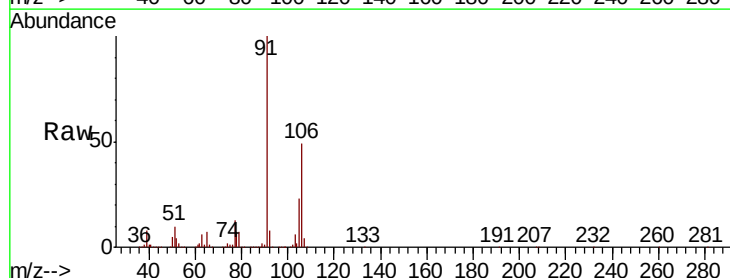
Acq: 4 Dec 2019 9:53

Tgt Ion: 106 Resp: 707668

Ion Ratio Lower Upper

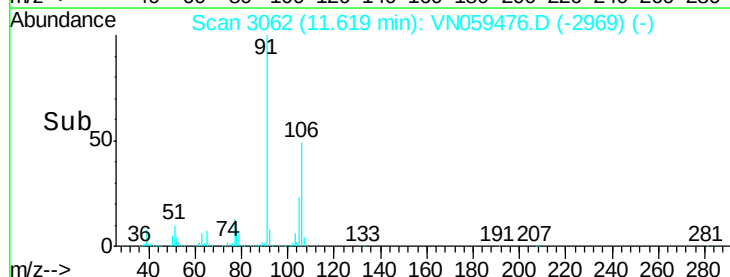
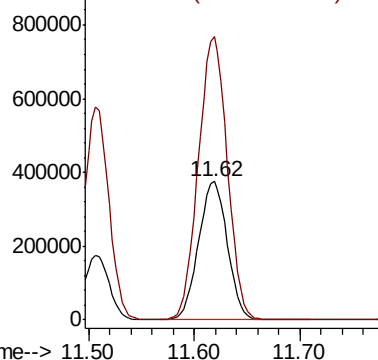
106 100

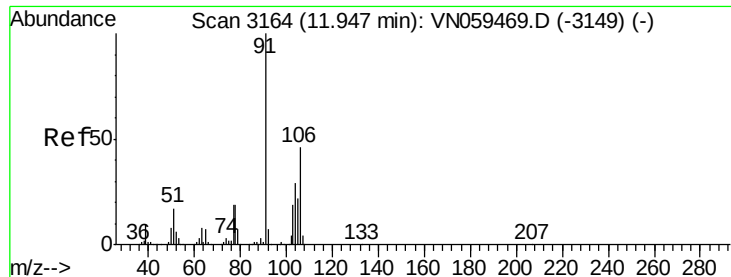
91 205.6 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





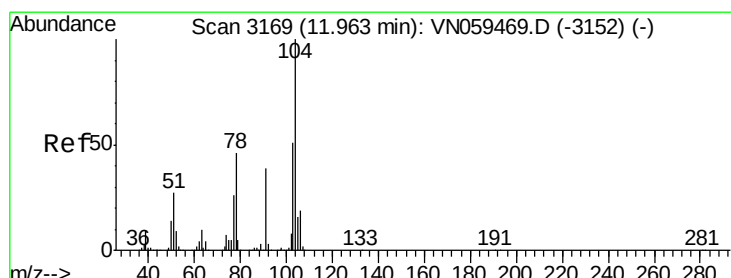
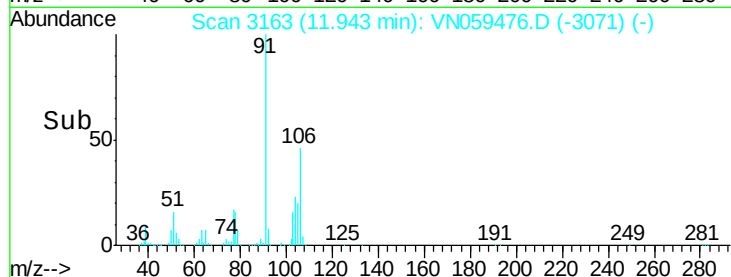
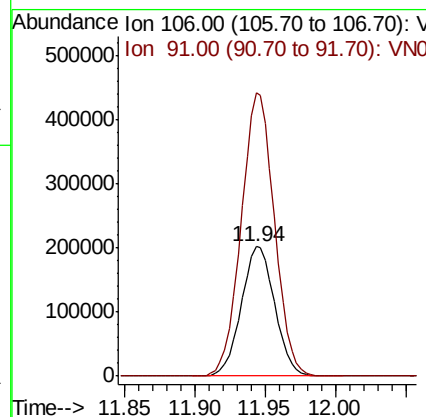
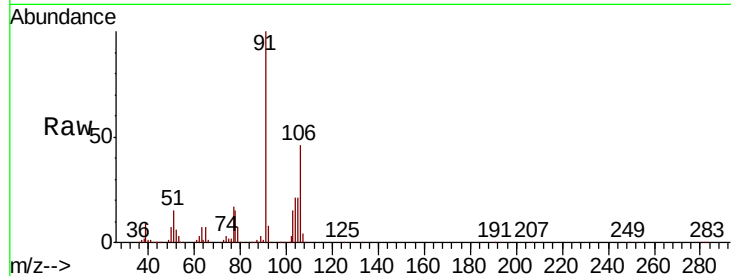
#69
o-Xylene
Concen: 46.023 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	216.7	108.5	336163		325.3

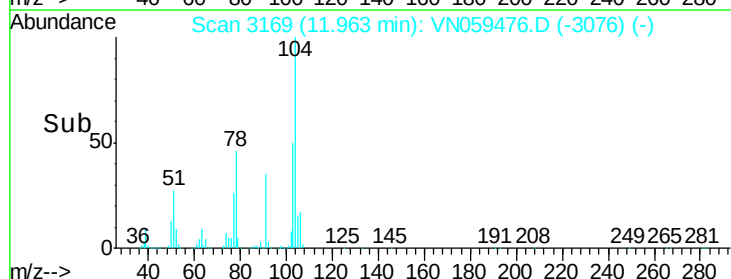
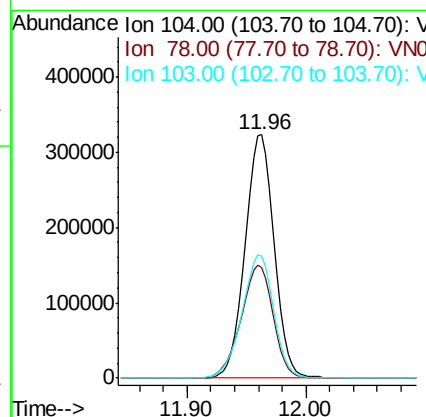
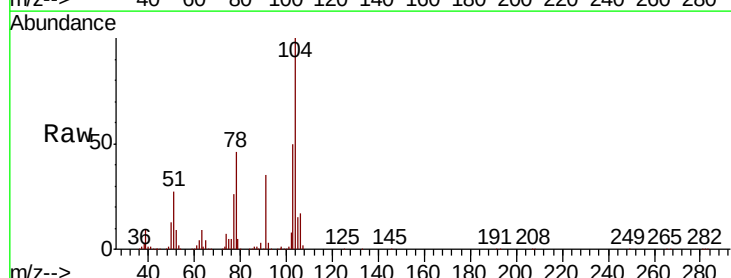
Manual Integrations
APPROVED

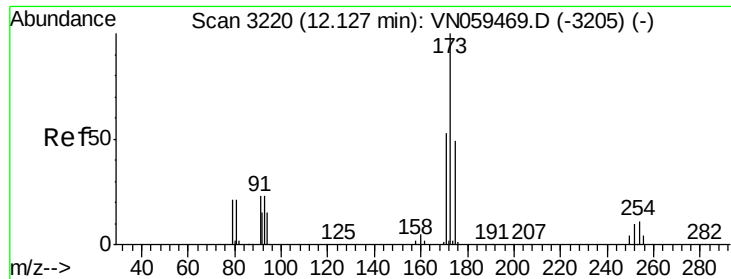
apatel
12/5/2019 11:18:59 AM



#70
Styrene
Concen: 47.100 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	51.0	41.0	549195		61.4
103	54.6	44.7			67.1





#71

Bromoform

Concen: 45.686 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

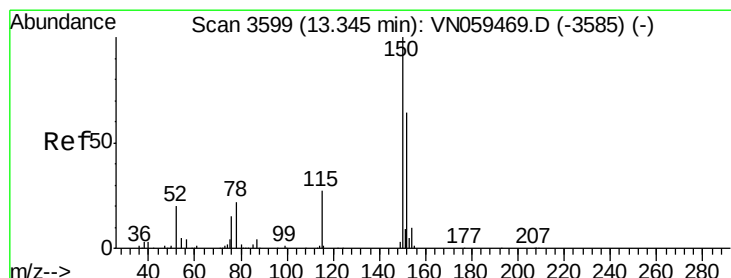
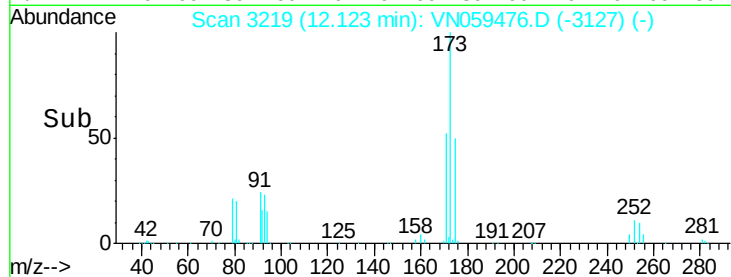
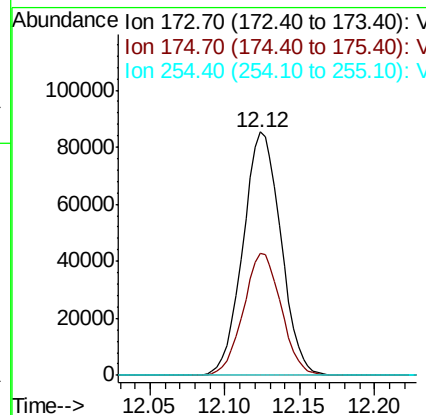
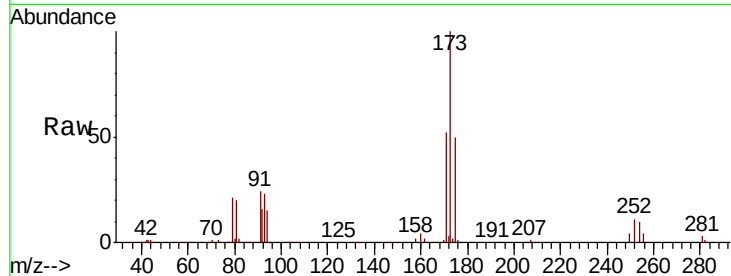
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	150481
Ion Ratio	Lower	Upper	
173	100		
175	49.8	24.3	73.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
12/5/2019 11:18:59 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

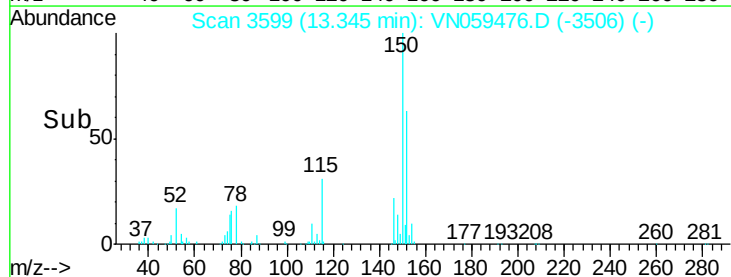
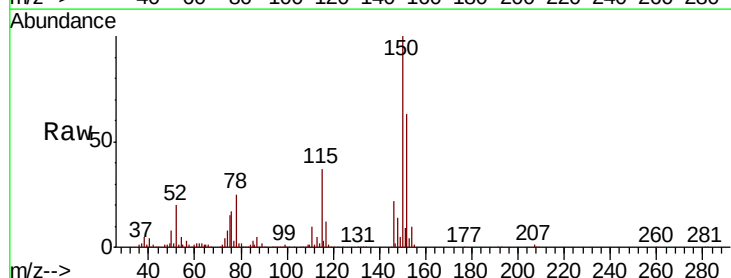
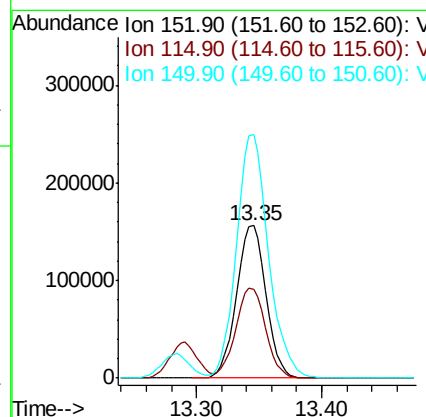
RT: 13.35 min Scan# 3599

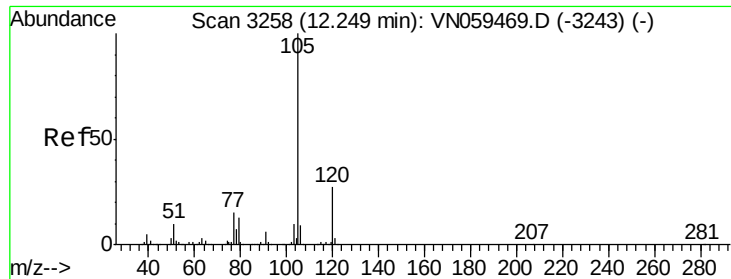
Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Tgt Ion:	152	Resp:	255093
Ion Ratio	Lower	Upper	
152	100		
115	60.0	29.2	87.6
150	172.9	0.0	352.8





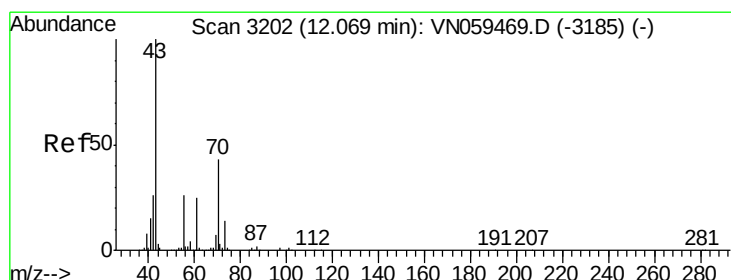
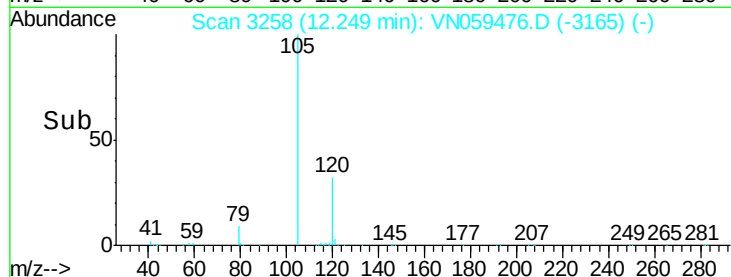
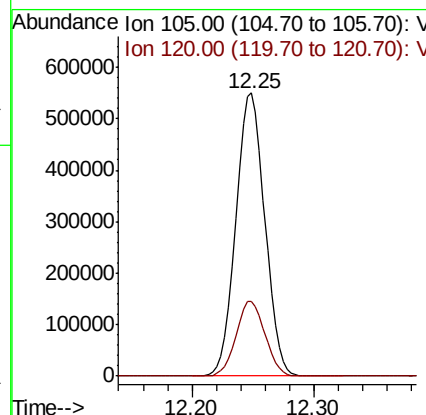
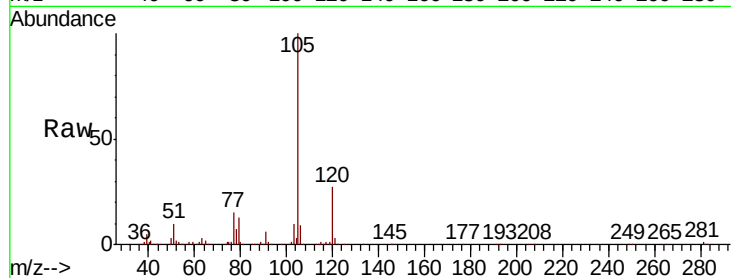
#73
Isopropylbenzene
Concen: 44.296 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6

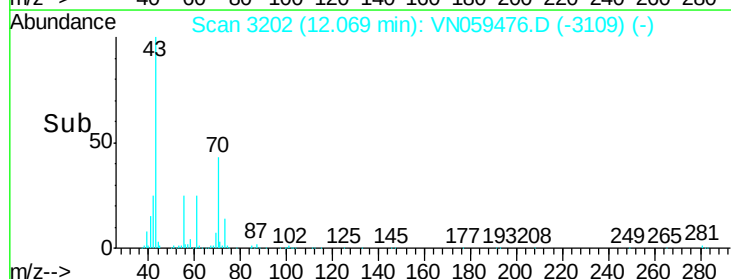
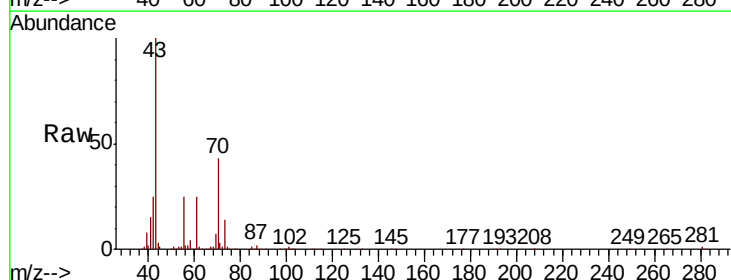
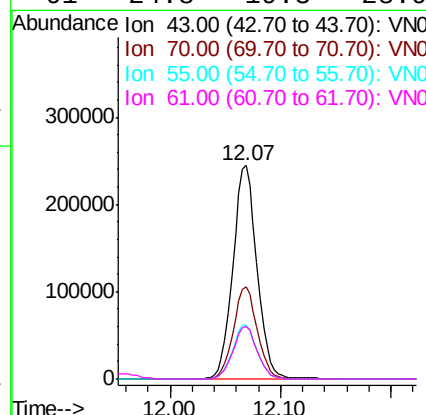
Manual Integrations
APPROVED

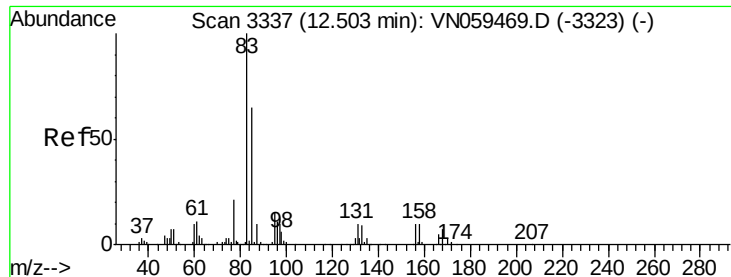
apatel
12/5/2019 11:18:59 AM



#74
N-ethyl acetate
Concen: 44.841 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.9	34.2	51.2
55	25.7	20.6	31.0
61	24.8	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 43.717 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

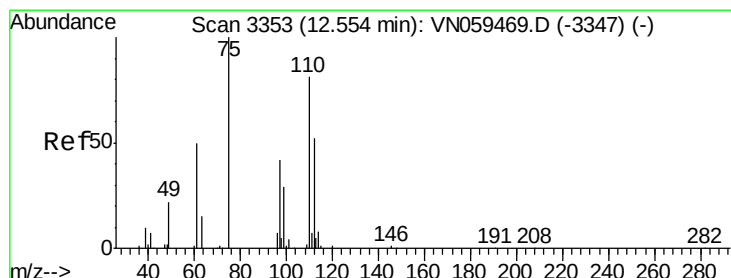
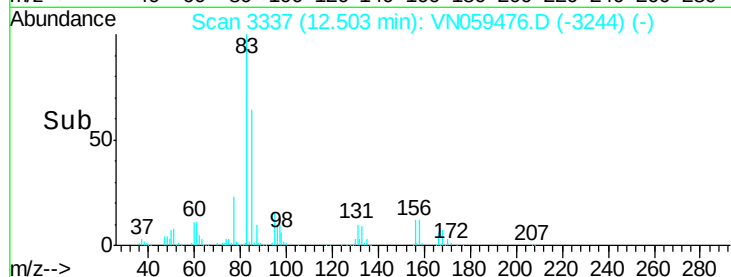
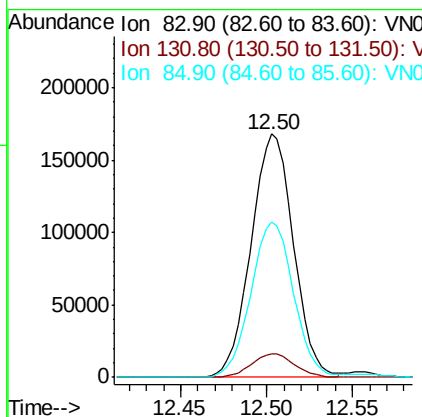
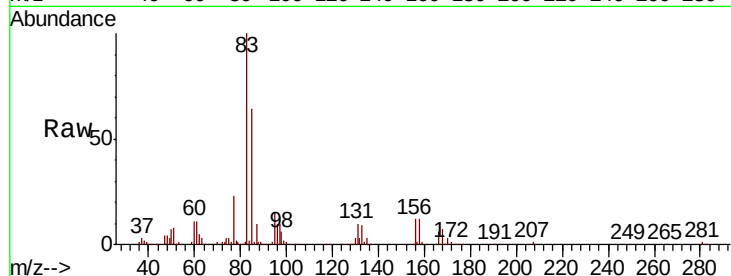
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	286877
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	64.2	32.2	96.6

Manual Integrations
APPROVED

apatel
12/5/2019 11:18:59 AM



#76

1,2,3-Trichloropropane

Concen: 42.580 ug/l m

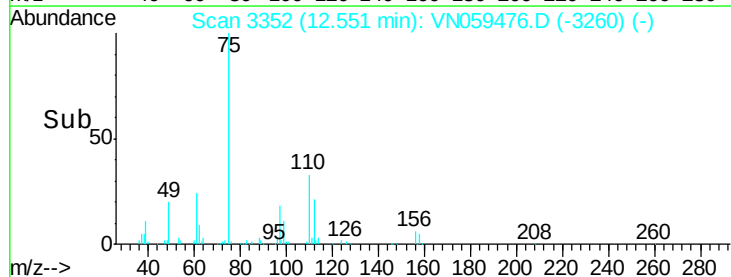
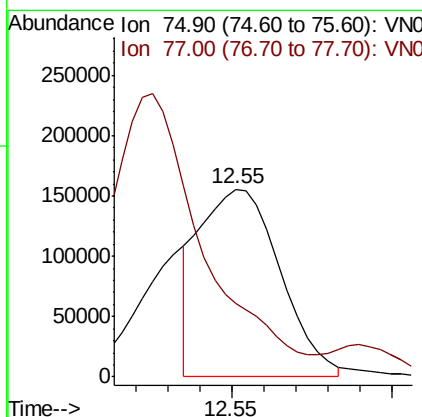
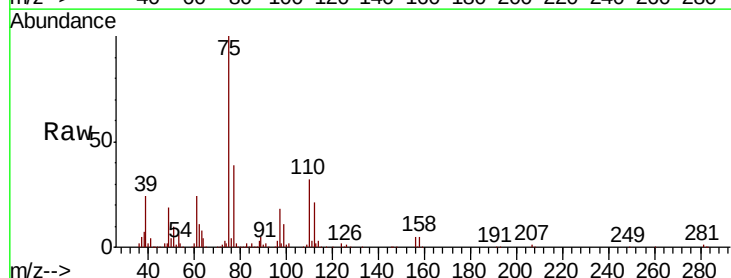
RT: 12.55 min Scan# 3352

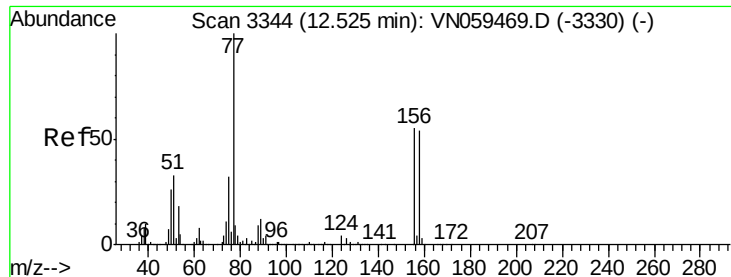
Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Tgt Ion:	75	Resp:	270074
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 42.396 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

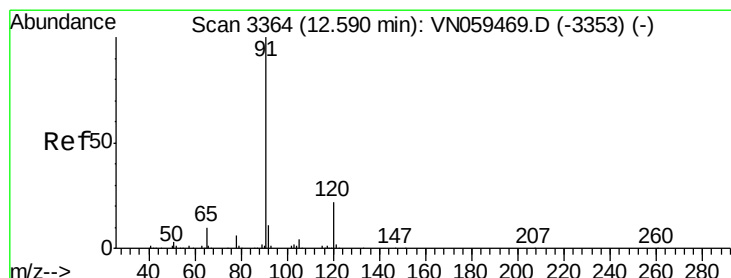
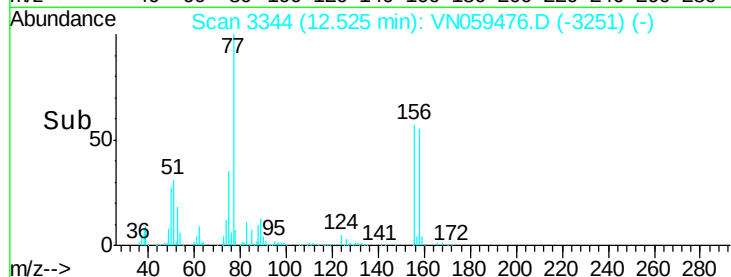
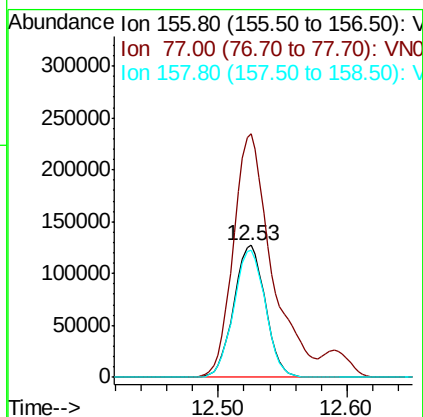
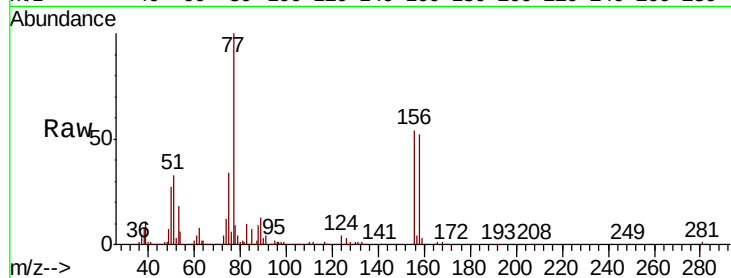
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	223.5	110.3	331.0
158	96.5	48.5	145.5

Manual Integrations
APPROVED

apatel
12/5/2019 11:18:59 AM



#78

n-propylbenzene

Concen: 45.045 ug/l

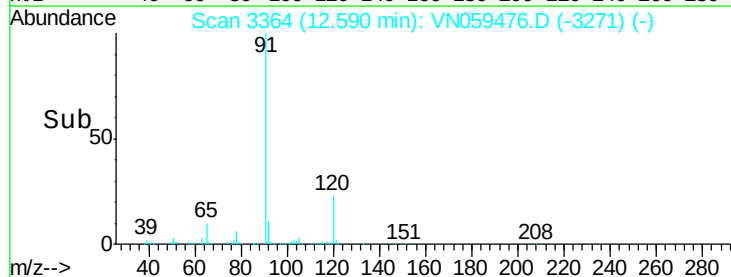
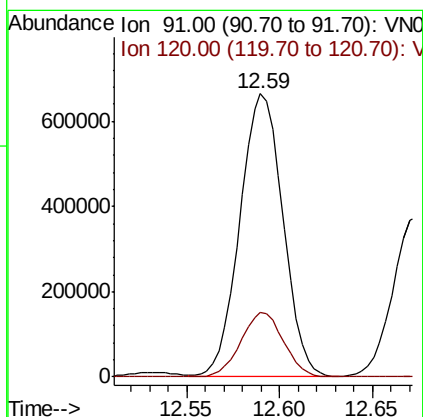
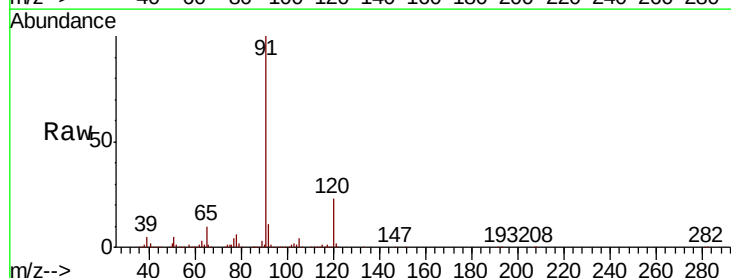
RT: 12.59 min Scan# 3364

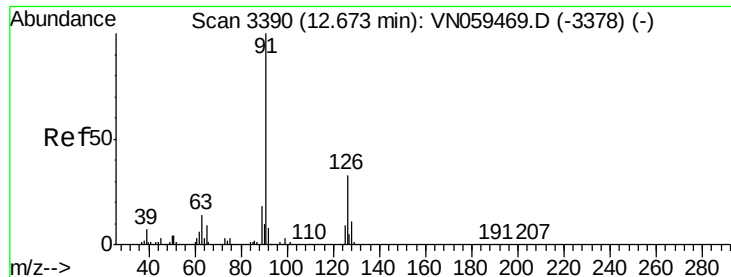
Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.9





#79

2-Chlorotoluene

Concen: 43.656 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 626528

Ion Ratio Lower Upper

91 100

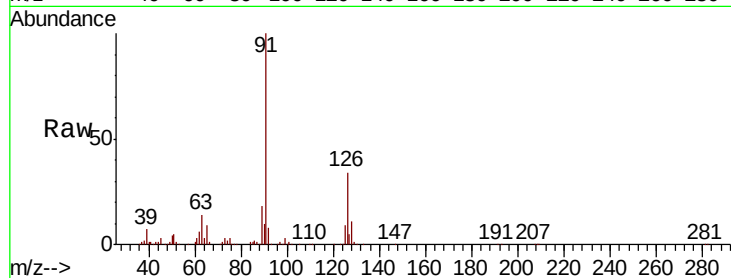
126 33.2 16.6 49.8

Manual Integrations

APPROVED

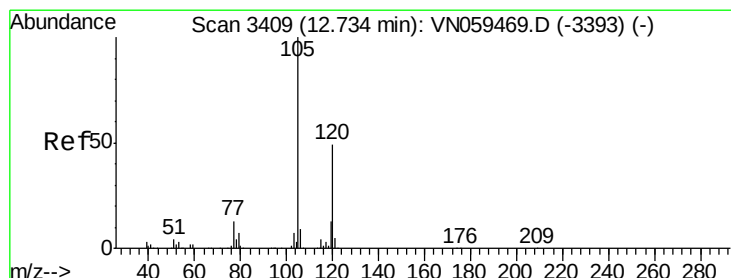
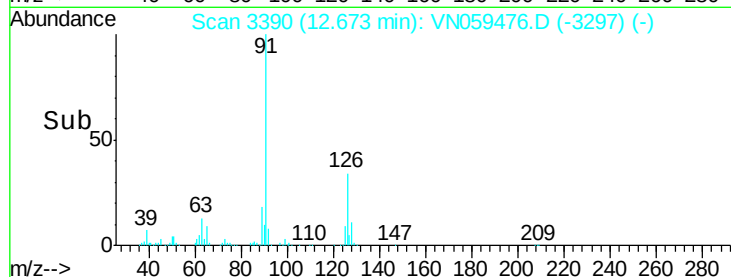
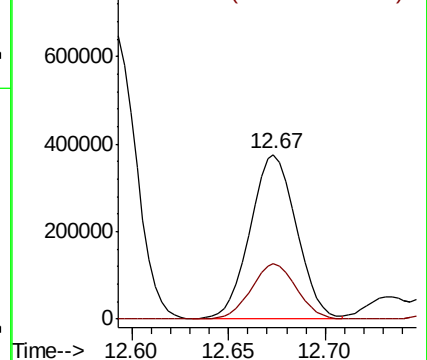
apatel

12/5/2019 11:18:59 AM



Abundance Ion 91.00 (90.70 to 91.70): VN059476.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN059476.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.087 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059476.D

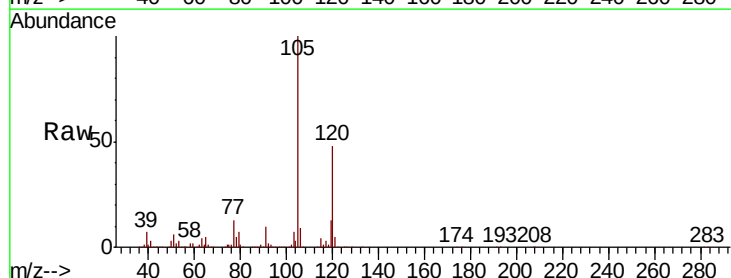
Acq: 4 Dec 2019 9:53

Tgt Ion: 105 Resp: 770820

Ion Ratio Lower Upper

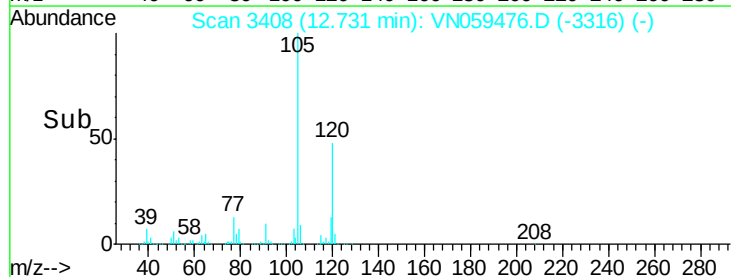
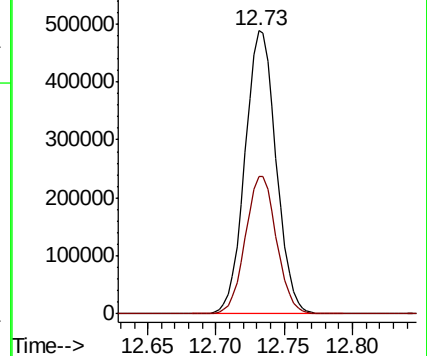
105 100

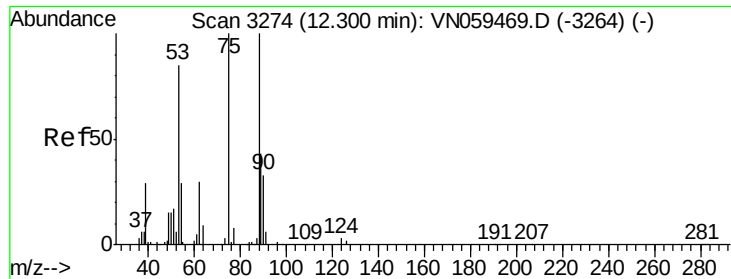
120 48.6 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN059476.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059476.D (-3316) (-)





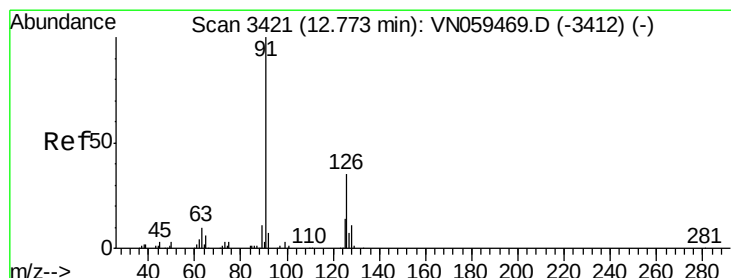
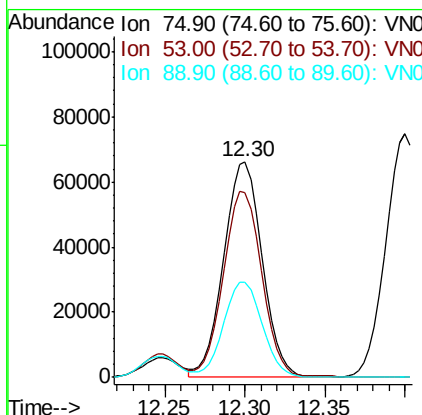
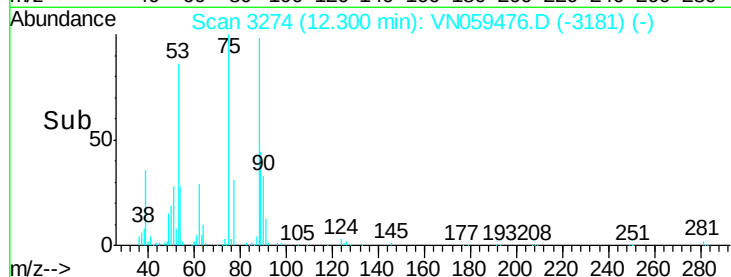
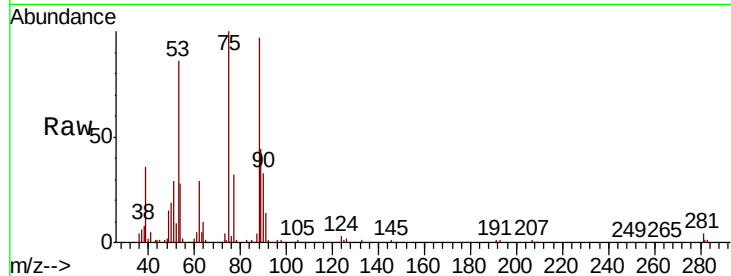
#81
trans-1,4-Dichloro-2-butene
Concen: 44.529 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.3	69.8	104.6
89	44.8	35.2	52.8

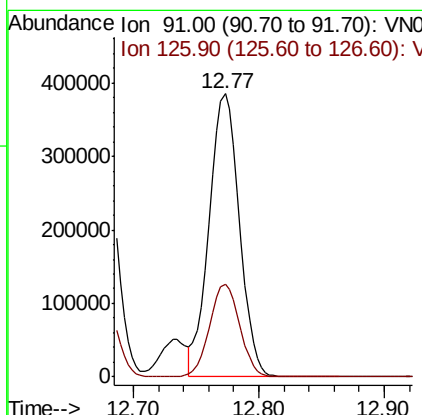
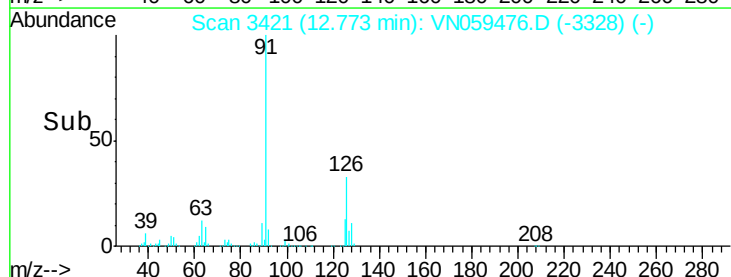
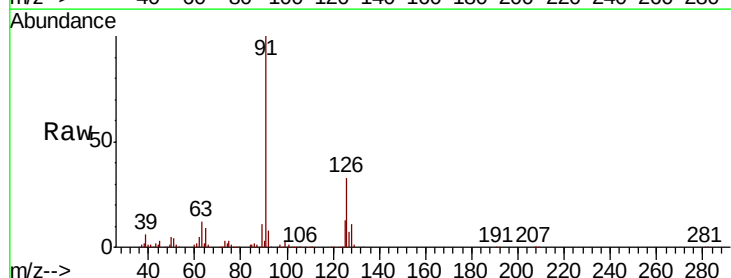
Manual Integrations
APPROVED

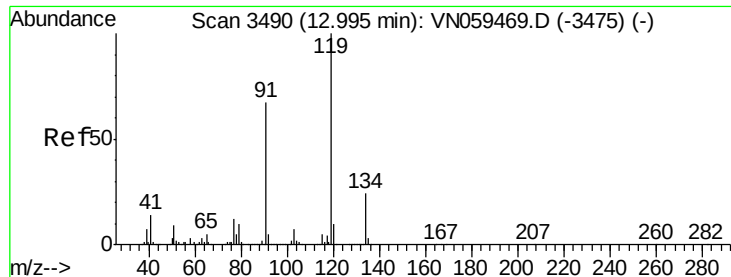
apatel
12/5/2019 11:18:59 AM



#82
4-Chlorotoluene
Concen: 43.485 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.2





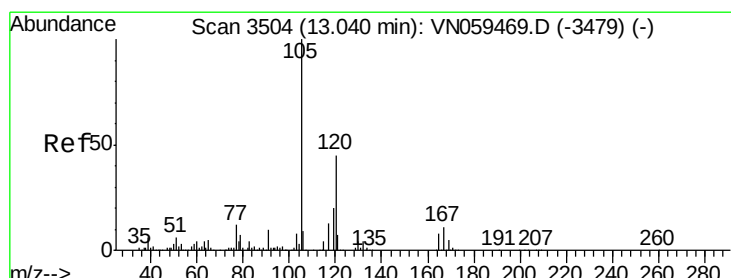
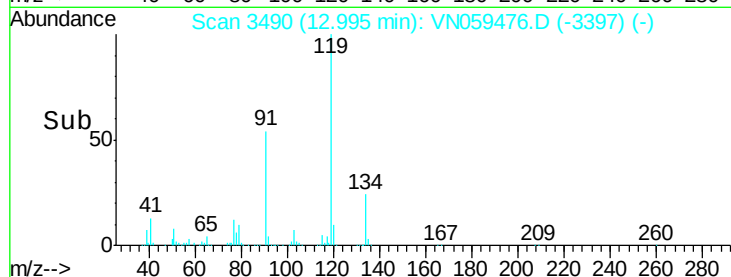
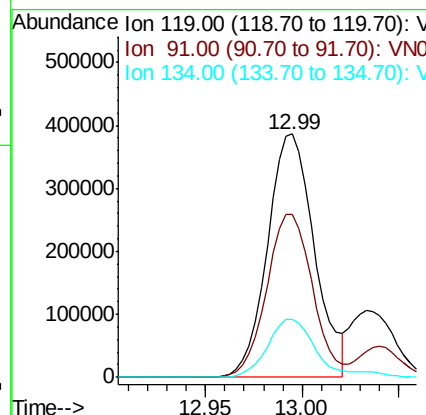
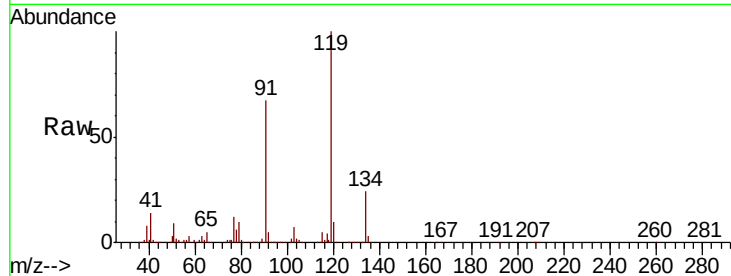
#83
 tert-Butylbenzene
 Concen: 43.867 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.6	97.7
134	25.3	12.6	37.6

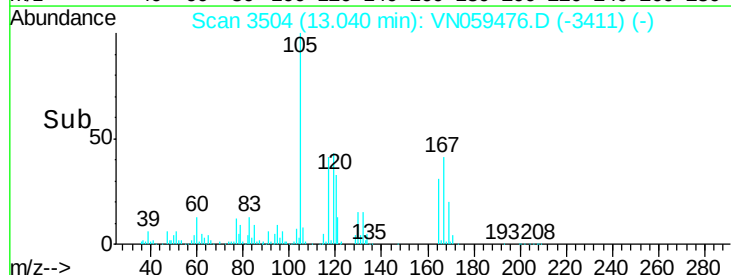
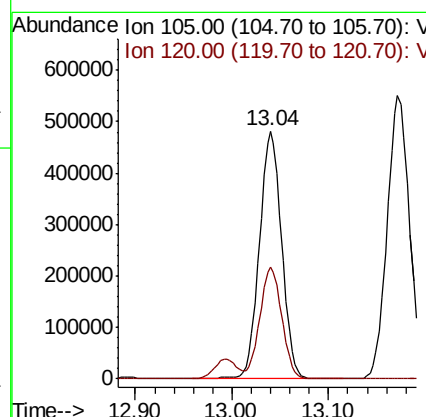
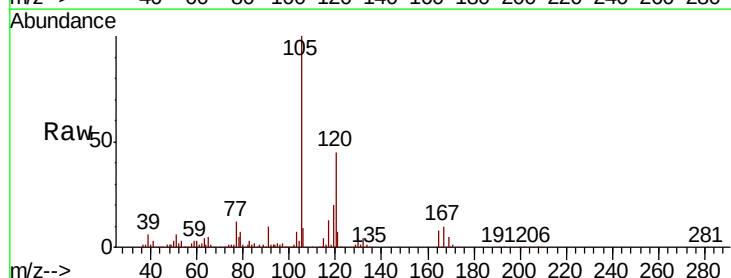
Manual Integrations
 APPROVED

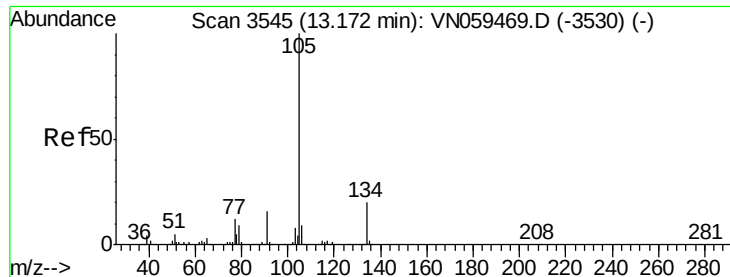
apatel
 12/5/2019 11:18:59 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 45.990 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.6	67.8





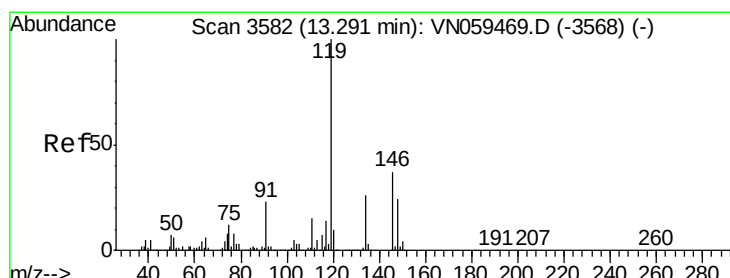
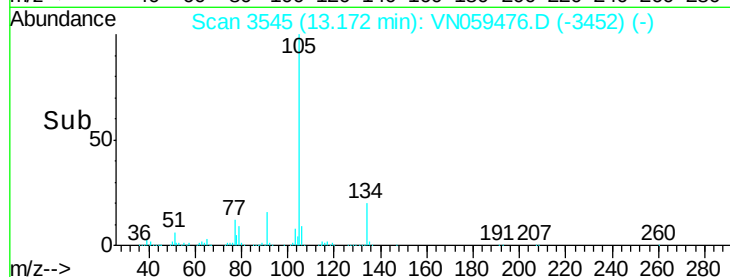
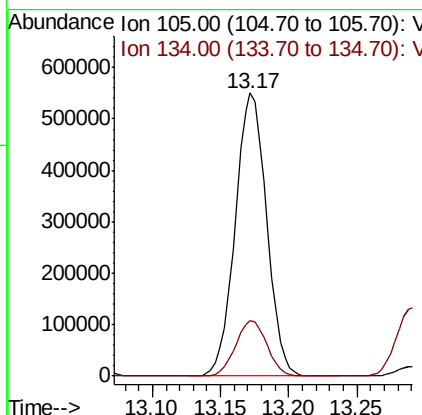
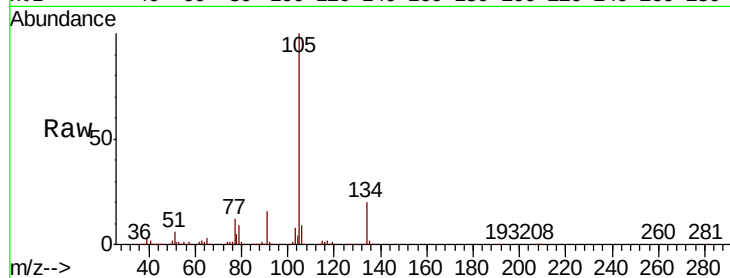
#85
 sec-Butylbenzene
 Concen: 44.507 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

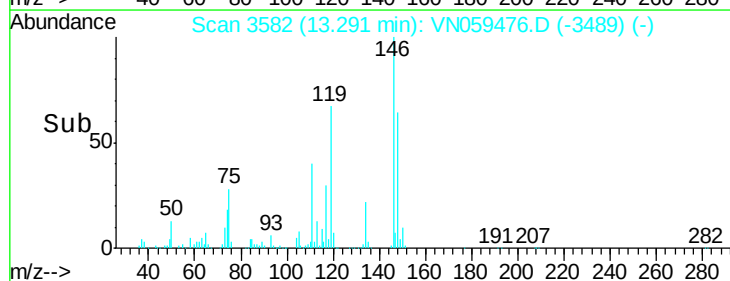
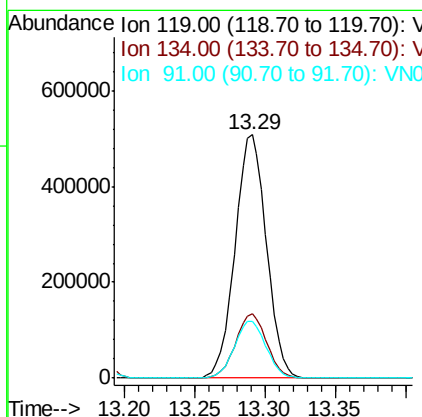
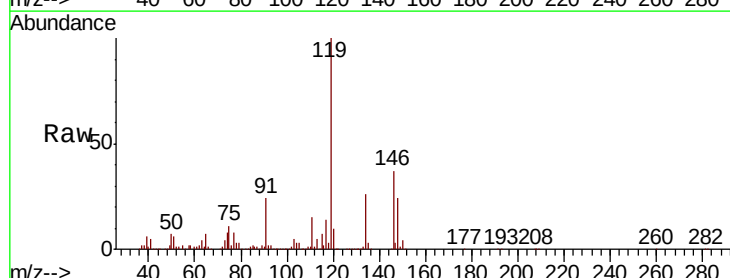
Manual Integrations
 APPROVED

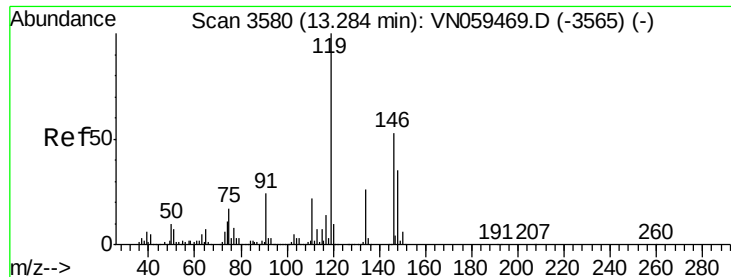
apatel
 12/5/2019 11:18:59 AM



#86
 p-Isopropyltoluene
 Concen: 44.749 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.3
91	23.6	11.7	35.1





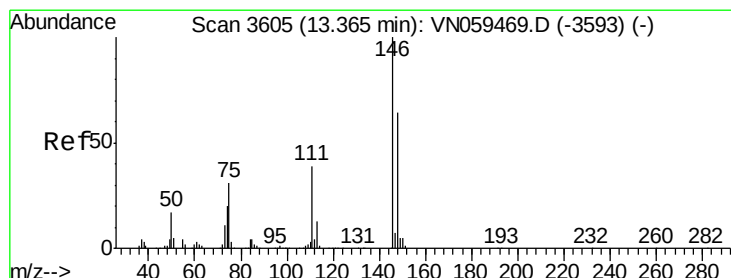
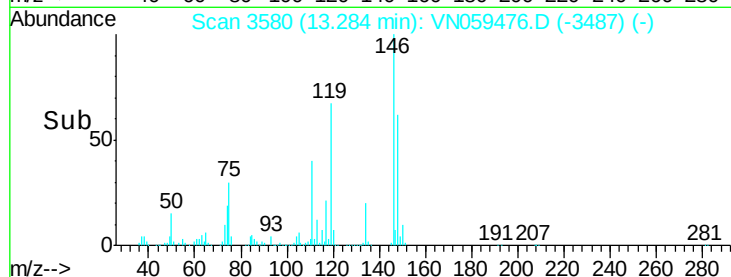
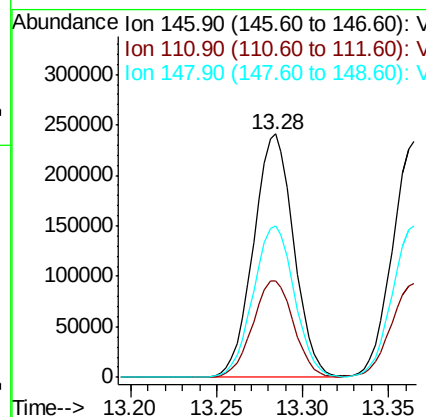
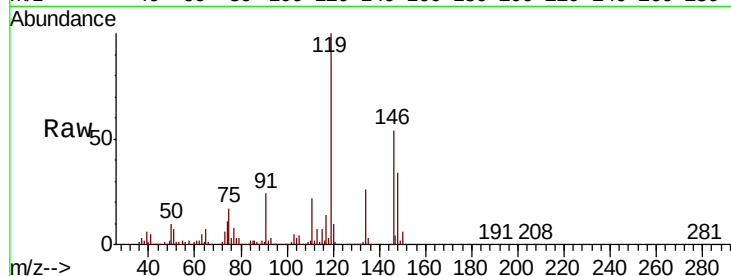
#87
 1,3-Dichlorobenzene
 Concen: 43.407 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	63.6	32.1	96.5

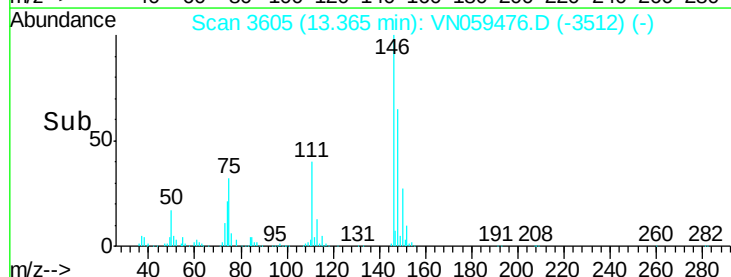
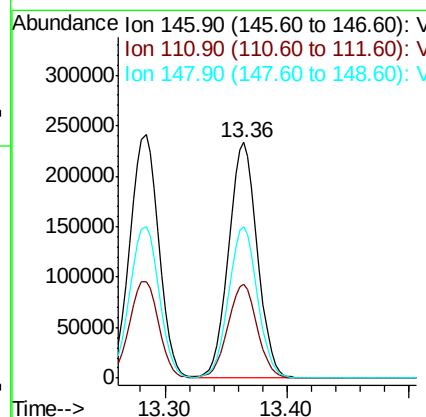
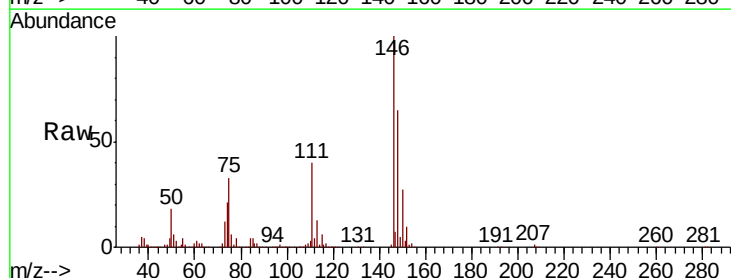
Manual Integrations
 APPROVED

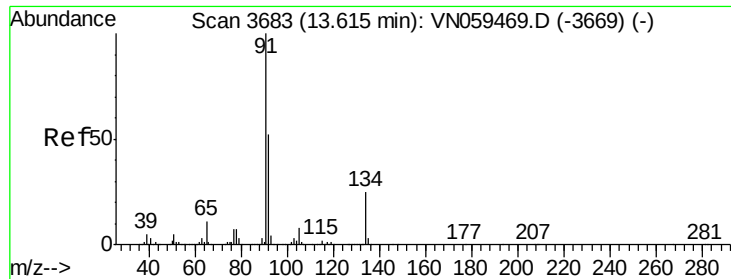
apatel
 12/5/2019 11:18:59 AM



#88
 1,4-Dichlorobenzene
 Concen: 42.340 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.8	59.3
148	64.6	32.0	96.0





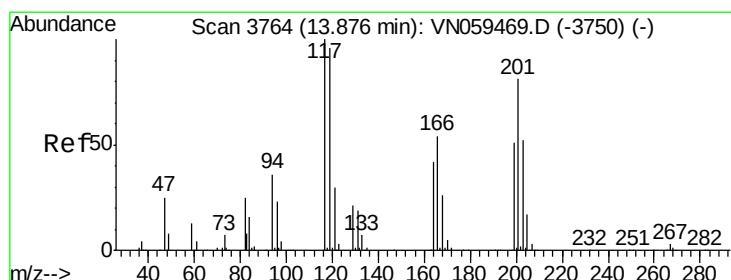
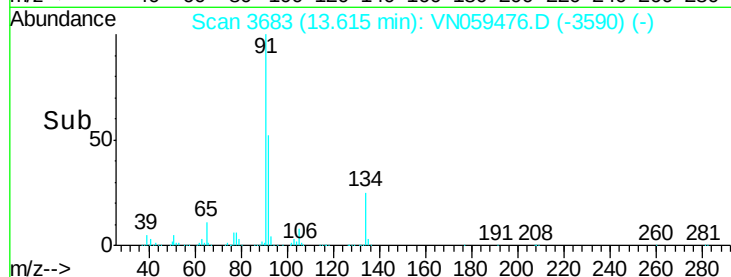
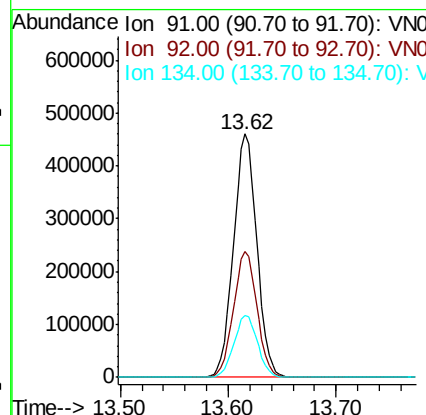
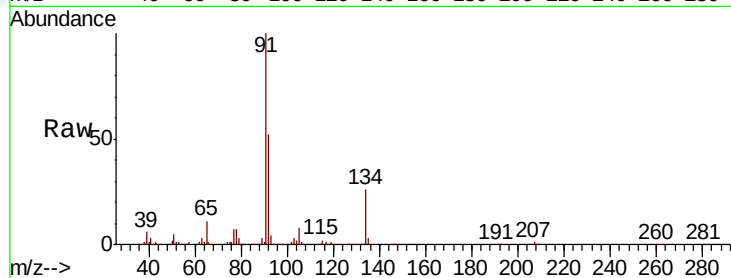
#89
n-Butylbenzene
Concen: 44.126 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.8
134	25.6	12.6	37.6

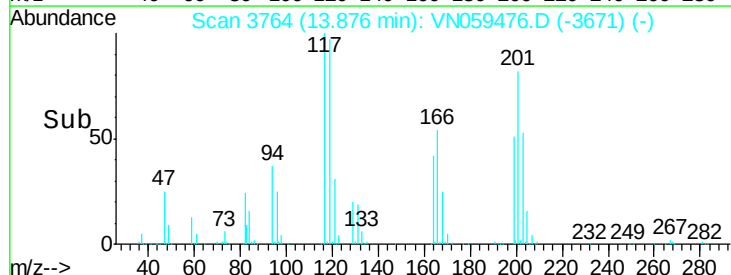
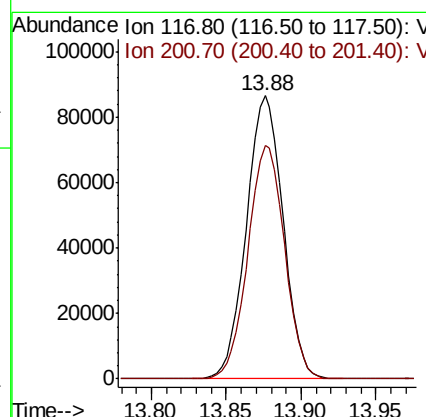
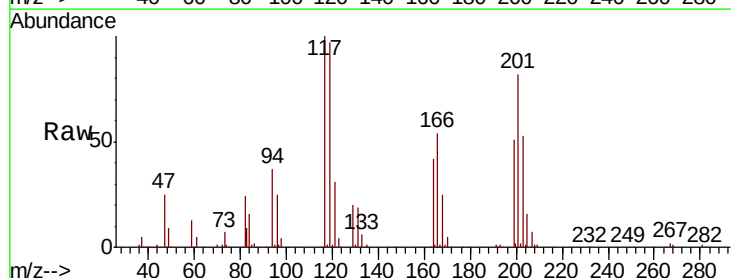
Manual Integrations
APPROVED

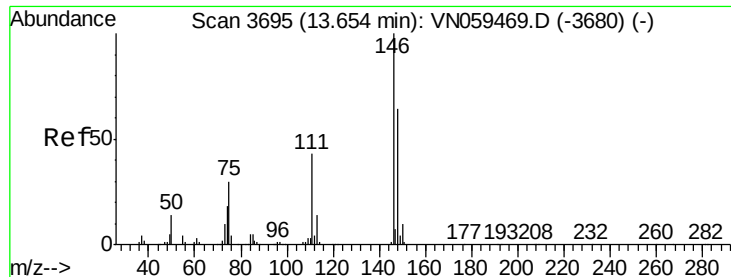
apatel
12/5/2019 11:18:59 AM



#90
Hexachloroethane
Concen: 43.404 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.5	40.6	122.0





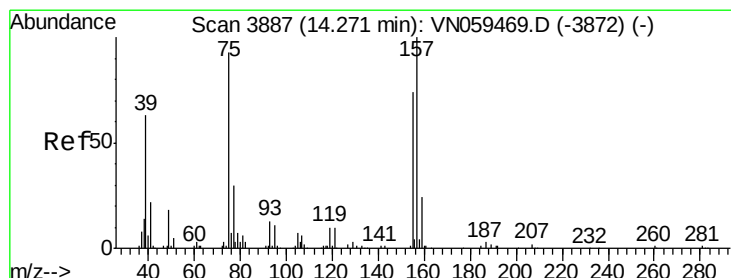
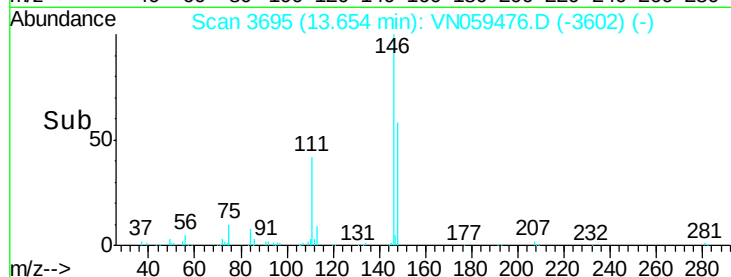
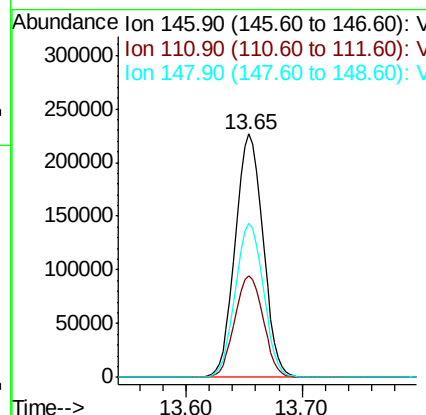
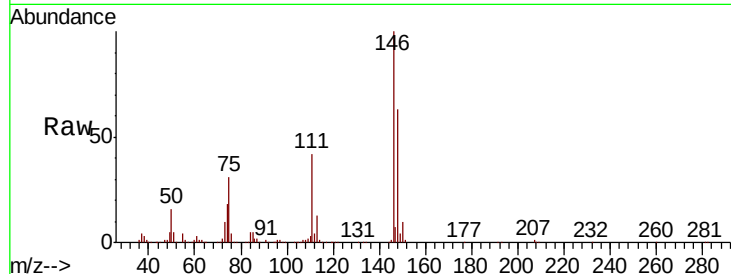
#91
 1,2-Dichlorobenzene
 Concen: 43.587 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.7
148	64.0	32.2	96.6

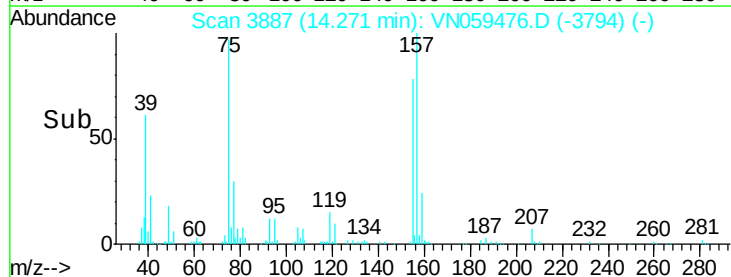
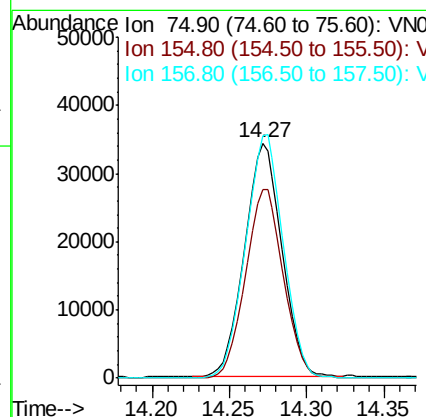
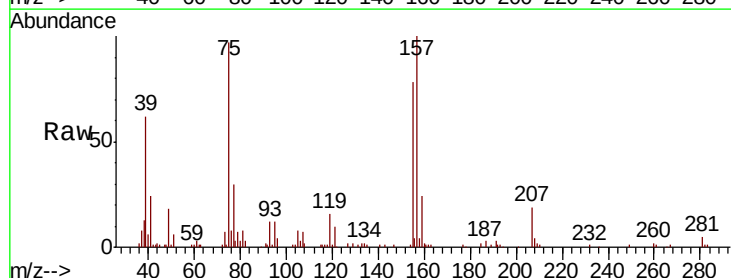
Manual Integrations
 APPROVED

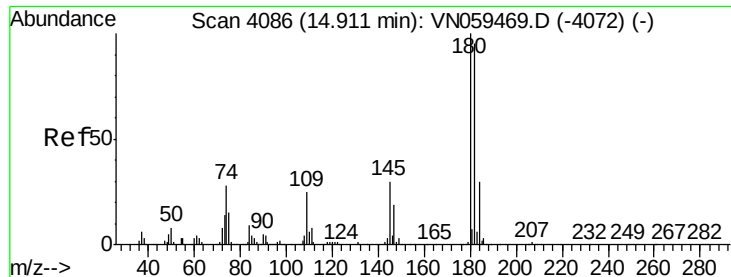
apatel
 12/5/2019 11:18:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.611 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	40.6	122.0
157	105.0	52.9	158.7





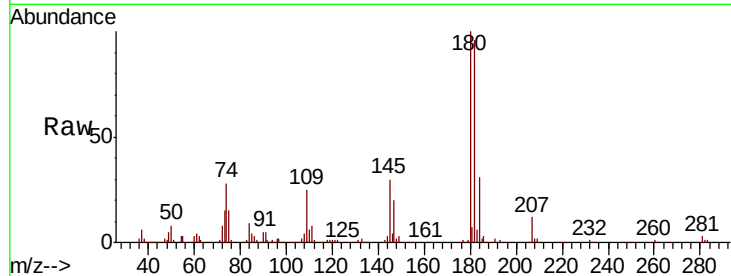
#93
 1,2,4-Trichlorobenzene
 Concen: 42.691 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

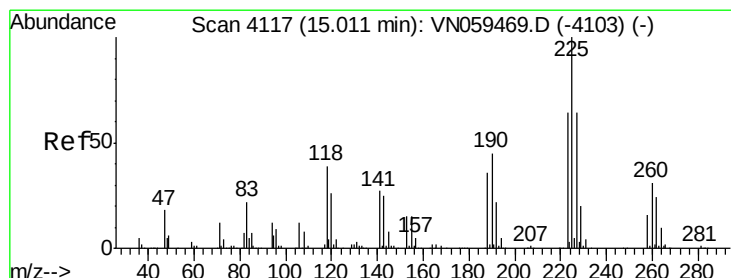
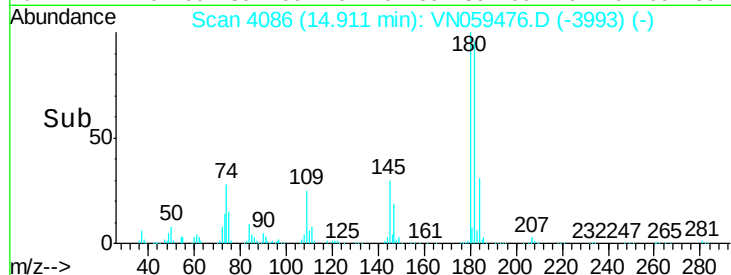
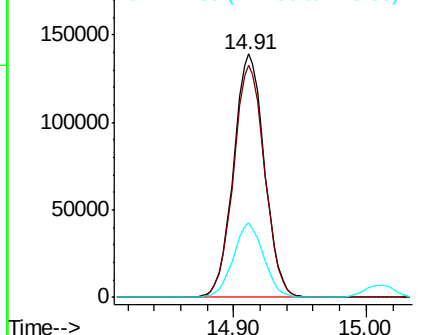
Tot Ion	Ratio	Resp	Lower	Upper
180	100	225199		
182	95.5	48.0	144.2	
145	29.9	15.2	45.6	

Manual Integrations
 APPROVED

apatel
 12/5/2019 11:18:59 AM

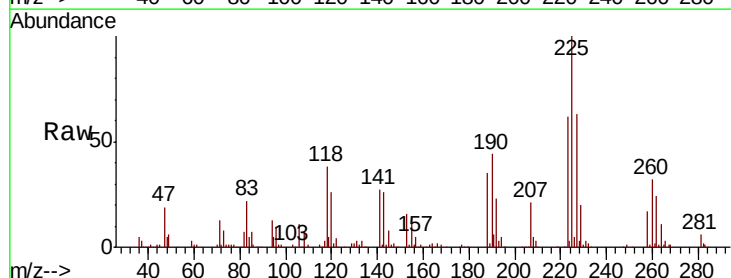


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

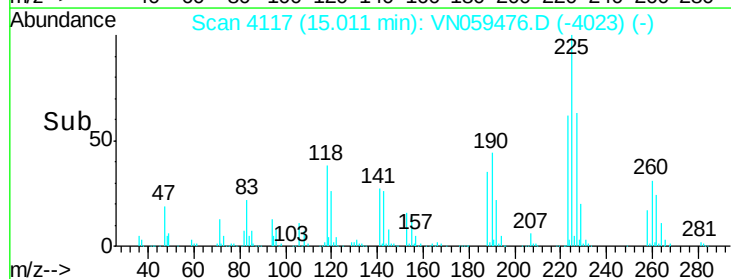
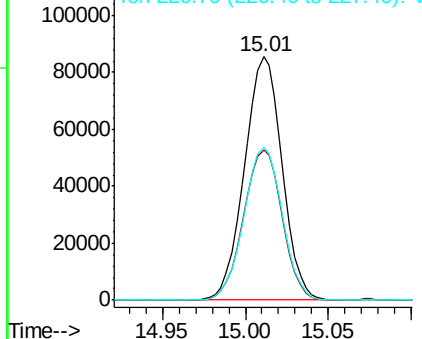


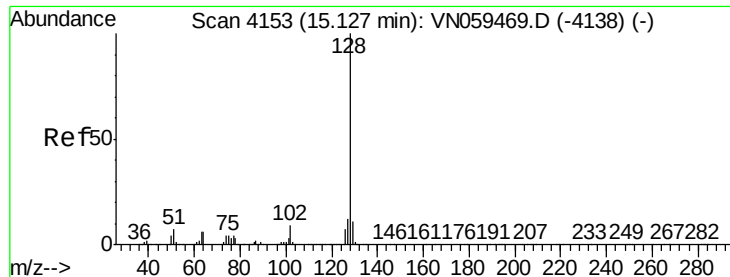
#94
 Hexachlorobutadiene
 Concen: 45.088 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	134942		
223	63.4	31.9	95.5	
227	64.0	32.0	96.2	



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





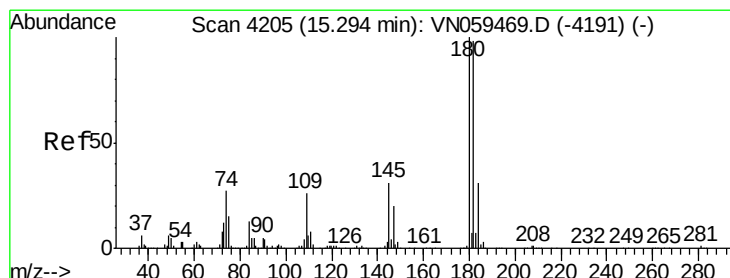
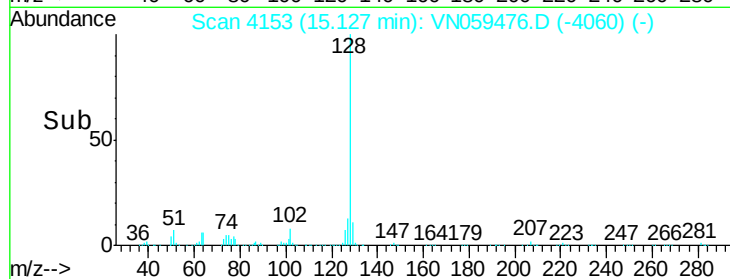
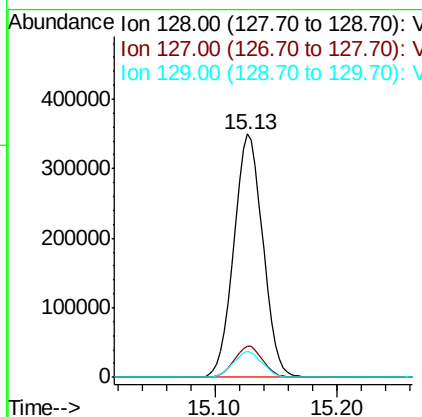
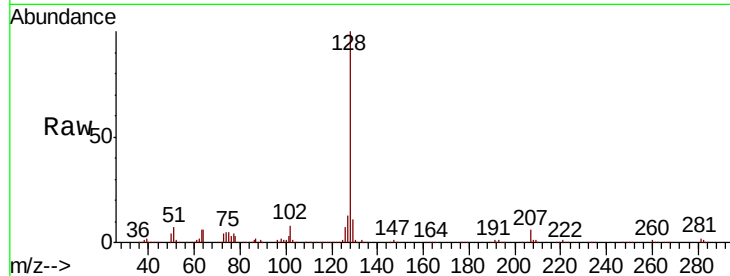
#95
Naphthalene
Concen: 40.173 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.7	8.8	13.2

Manual Integrations
APPROVED

apatel
12/5/2019 11:18:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 42.572 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.5	145.5
145	32.1	16.1	48.2

